

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041323\  
 Data File : VN077339.D  
 Acq On : 13 Apr 2023 19:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 07:26:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N040523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 06 08:27:03 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	443707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	881279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	799210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	349427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	305962	50.453	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.900%
35) Dibromofluoromethane	8.178	113	278228	49.316	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.640%
50) Toluene-d8	10.572	98	1080263	47.564	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.120%
62) 4-Bromofluorobenzene	12.854	95	373942	49.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.020%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	275276	48.607	ug/l	100
3) Chloromethane	2.372	50	315238	44.918	ug/l	96
4) Vinyl Chloride	2.519	62	457845	48.116	ug/l	100
5) Bromomethane	2.937	94	319956	46.382	ug/l	100
6) Chloroethane	3.113	64	302584	44.558	ug/l	98
7) Trichlorofluoromethane	3.496	101	435173	52.744	ug/l	95
8) Diethyl Ether	3.972	74	177643	51.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	261414	51.771	ug/l	98
10) Methyl Iodide	4.596	142	327545	53.338	ug/l	95
11) Tert butyl alcohol	5.537	59	302943	244.817	ug/l	100
12) 1,1-Dichloroethene	4.343	96	255161	49.091	ug/l	94
13) Acrolein	4.190	56	244875	208.944	ug/l	100
14) Allyl chloride	5.037	41	333608	42.496	ug/l	93
15) Acrylonitrile	5.737	53	704309	257.456	ug/l	99
16) Acetone	4.443	43	485568	217.166	ug/l	98
17) Carbon Disulfide	4.719	76	645723	46.070	ug/l	98
18) Methyl Acetate	5.043	43	431778	50.704	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	962136	52.168	ug/l	99
20) Methylene Chloride	5.290	84	302678	47.933	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	289677	50.901	ug/l	98
22) Diisopropyl ether	6.684	45	800570	50.867	ug/l	98
23) Vinyl Acetate	6.613	43	3064292m	287.955	ug/l	
24) 1,1-Dichloroethane	6.578	63	511187	50.298	ug/l	99
25) 2-Butanone	7.489	43	895853	246.870	ug/l	99
26) 2,2-Dichloropropane	7.495	77	415219	44.555	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	360174	51.826	ug/l	95
28) Bromochloromethane	7.819	49	188741	46.168	ug/l	95
29) Tetrahydrofuran	7.842	42	591589	253.605	ug/l	97
30) Chloroform	7.972	83	568050	52.413	ug/l	98
31) Cyclohexane	8.266	56	420346	44.608	ug/l	95
32) 1,1,1-Trichloroethane	8.178	97	523175	53.078	ug/l	98
36) 1,1-Dichloropropene	8.378	75	410066	49.144	ug/l	99
37) Ethyl Acetate	7.566	43	377040	50.504	ug/l	99
38) Carbon Tetrachloride	8.366	117	442823	51.800	ug/l	94
39) Methylcyclohexane	9.607	83	547125	48.628	ug/l	94
40) Benzene	8.613	78	1286021	49.412	ug/l	99

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	189570	47.240	ug/l	92
42) 1,2-Dichloroethane	8.678	62	420811	52.535	ug/l	99
43) Isopropyl Acetate	8.695	43	701923	50.954	ug/l	99
44) Trichloroethene	9.360	130	314442	50.494	ug/l	98
45) 1,2-Dichloropropane	9.625	63	315407	51.027	ug/l	93
46) Dibromomethane	9.713	93	240834	51.714	ug/l	100
47) Bromodichloromethane	9.889	83	469231	50.410	ug/l	99
48) Methyl methacrylate	9.689	41	294488	50.112	ug/l	98
49) 1,4-Dioxane	9.701	88	146724	1029.828	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	2037360	255.865	ug/l	99
52) Toluene	10.636	92	863104	50.666	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	516923	51.141	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	544383	50.562	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	342730	51.253	ug/l	99
56) Ethyl methacrylate	10.877	69	544066	52.235	ug/l	98
57) 1,3-Dichloropropane	11.166	76	580623	52.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	816566	263.362	ug/l	97
59) 2-Hexanone	11.201	43	1494632	251.954	ug/l	99
60) Dibromochloromethane	11.366	129	375391	54.506	ug/l	98
61) 1,2-Dibromoethane	11.477	107	357098	53.501	ug/l	100
64) Tetrachloroethene	11.107	164	250232	50.683	ug/l	98
65) Chlorobenzene	11.895	112	913862	51.937	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	339363	50.973	ug/l	98
67) Ethyl Benzene	11.966	91	1694610	52.191	ug/l	97
68) m/p-Xylenes	12.077	106	1316367	103.181	ug/l	100
69) o-Xylene	12.401	106	660926	52.513	ug/l	100
70) Styrene	12.419	104	1069669	52.813	ug/l	98
71) Bromoform	12.583	173	250700	53.494	ug/l #	99
73) Isopropylbenzene	12.701	105	1692727	49.875	ug/l	99
74) N-amyl acetate	12.495	43	608396	47.302	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	538282	50.538	ug/l	99
76) 1,2,3-Trichloropropane	13.001	75	483503m	58.108	ug/l	
77) Bromobenzene	12.983	156	353084	51.164	ug/l	96
78) n-propylbenzene	13.042	91	1916545	51.107	ug/l	100
79) 2-Chlorotoluene	13.130	91	1117835	49.505	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1410645	52.038	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	171265	46.318	ug/l	94
82) 4-Chlorotoluene	13.224	91	1080036	50.731	ug/l	99
83) tert-Butylbenzene	13.442	119	1247013	51.682	ug/l	97
84) 1,2,4-Trimethylbenzene	13.489	105	1410629	52.673	ug/l	99
85) sec-Butylbenzene	13.624	105	1776670	52.835	ug/l	99
86) p-Isopropyltoluene	13.736	119	1459136	55.212	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	663223	51.947	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	650408	51.659	ug/l	99
89) n-Butylbenzene	14.060	91	1198895	54.646	ug/l	100
90) Hexachloroethane	14.342	117	296193	51.259	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	662048	51.835	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	107133	53.074	ug/l	97
93) 1,2,4-Trichlorobenzene	15.371	180	280626	60.865	ug/l	96
94) Hexachlorobutadiene	15.471	225	128905	48.299	ug/l	98
95) Naphthalene	15.589	128	1148234	66.295	ug/l	99
96) 1,2,3-Trichlorobenzene	15.760	180	275422	62.453	ug/l	97

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 VSTDCCC050EC

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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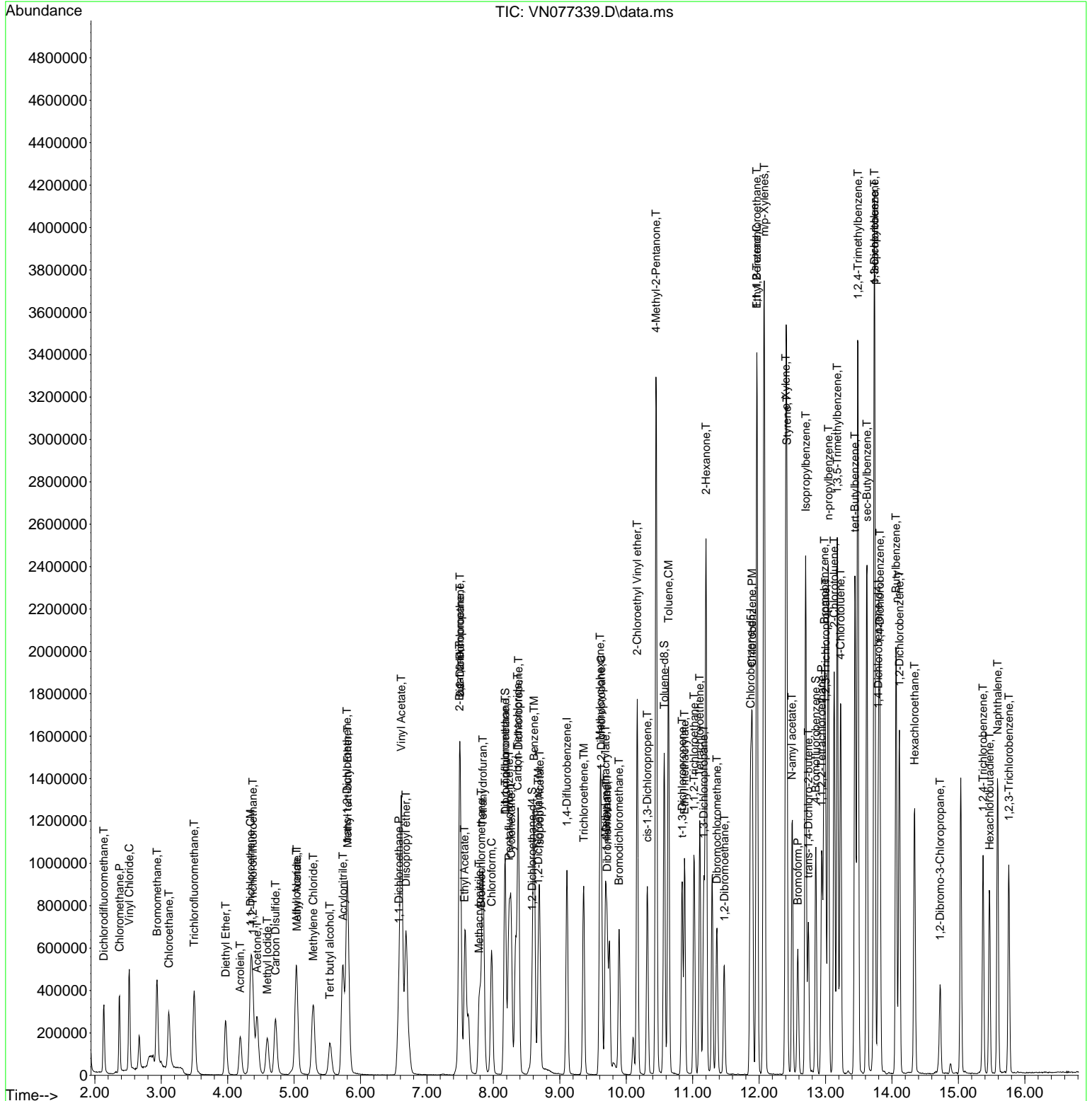
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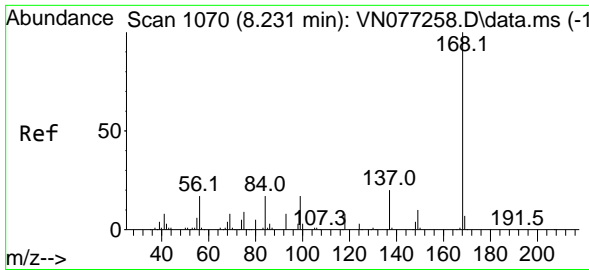
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**Manual Integrations**  
**APPROVED**  
 Reviewed By : John Carlone 04/14/2023  
 Supervised By : Mahesh Dadoda 04/14/2023





#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.236 min Scan# 1070  
 Delta R.T. 0.005 min  
 Lab File: VN077339.D  
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MSVOA\_N

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VSTDCCC050EC

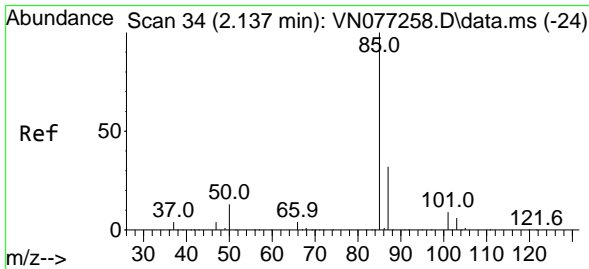
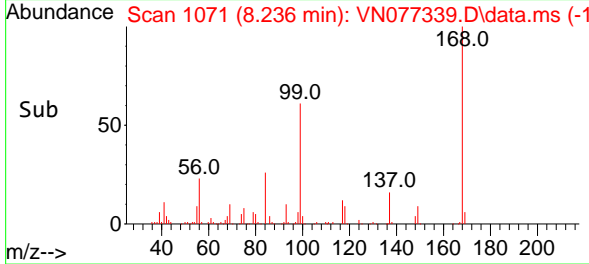
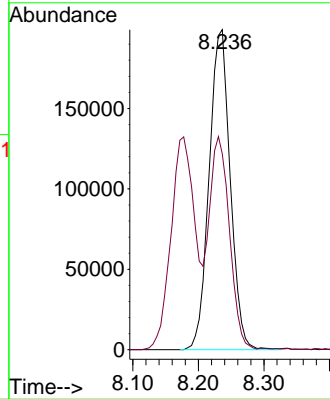
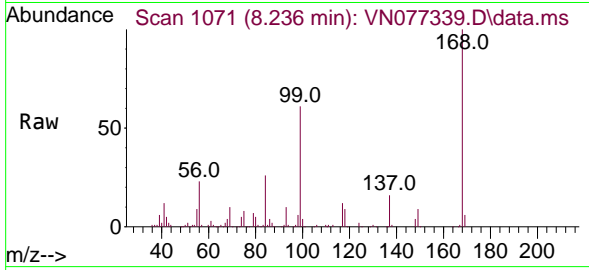
Tgt Ion:168 Resp: 44370  
 Ion Ratio Lower Upper  
 168 100  
 99 60.9 50.6 75.8

Manual Integrations

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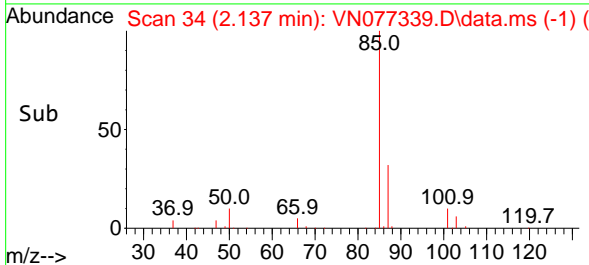
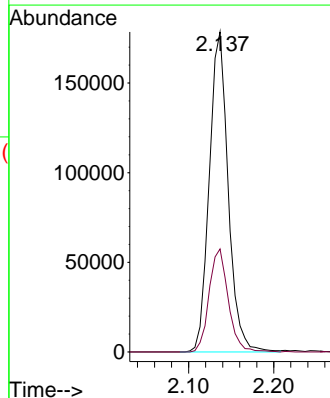
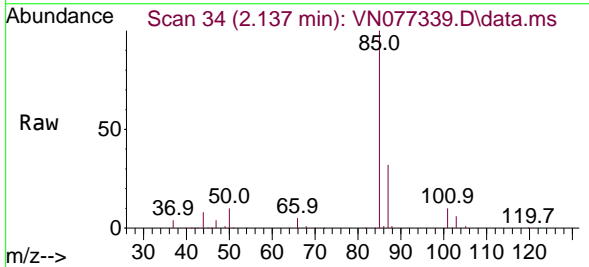
Reviewed By :John Carlone 04/14/2023

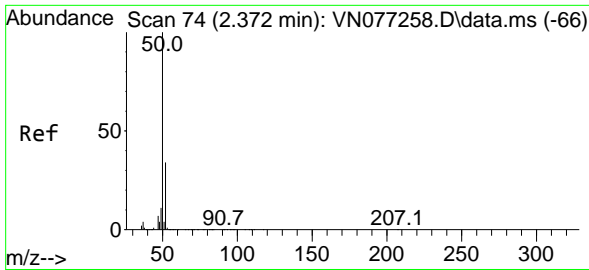
Supervised By :Mahesh Dadoda 04/14/2023



#2  
 Dichlorodifluoromethane  
 Concen: 48.607 ug/l  
 RT: 2.137 min Scan# 34  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

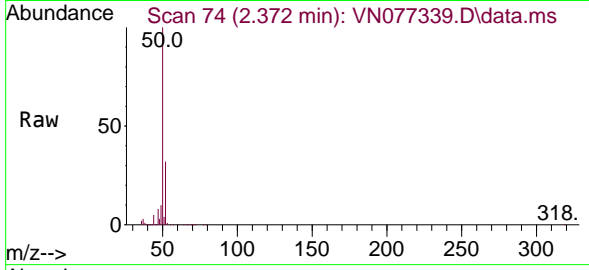
Tgt Ion: 85 Resp: 275276  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 16.1 48.2





#3  
 Chloromethane  
 Concen: 44.918 ug/l  
 RT: 2.372 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

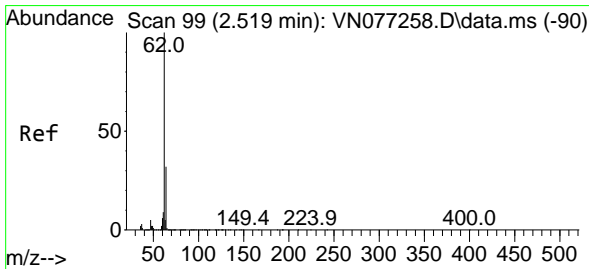
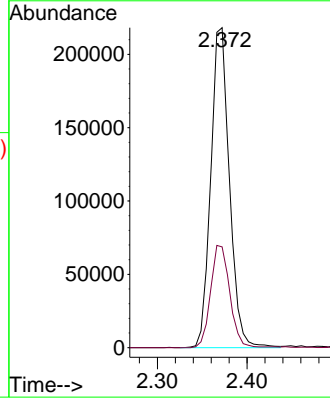
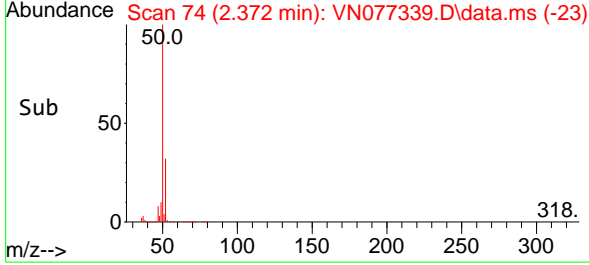
Instrument : MSVOA\_N  
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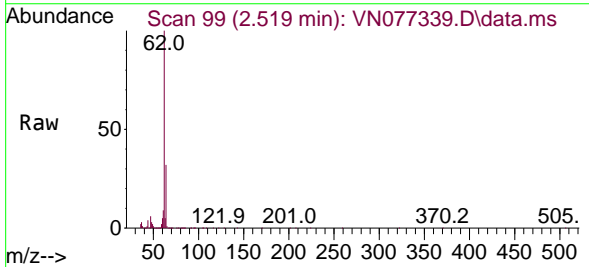
Tgt Ion: 50 Resp: 315238  
 Ion Ratio Lower Upper  
 50 100  
 52 31.5 27.3 40.9

Manual Integrations  
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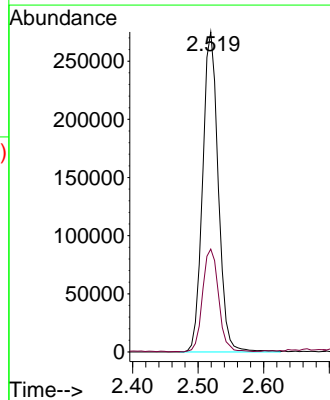
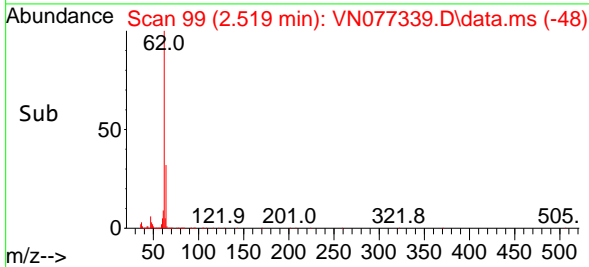
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 Supervised By :Mahesh Dadoda 04/14/2023

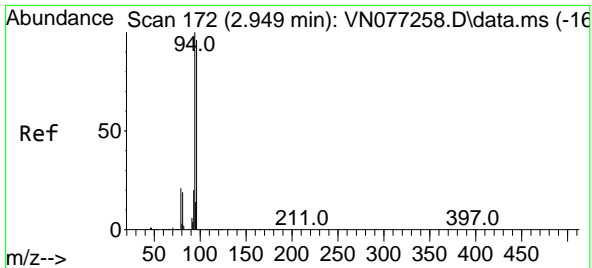


#4  
 Vinyl Chloride  
 Concen: 48.116 ug/l  
 RT: 2.519 min Scan# 99  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



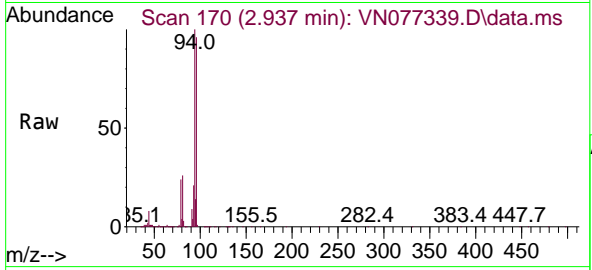
Tgt Ion: 62 Resp: 457845  
 Ion Ratio Lower Upper  
 62 100  
 64 32.0 25.8 38.8





#5  
 Bromomethane  
 Concen: 46.382 ug/l  
 RT: 2.937 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

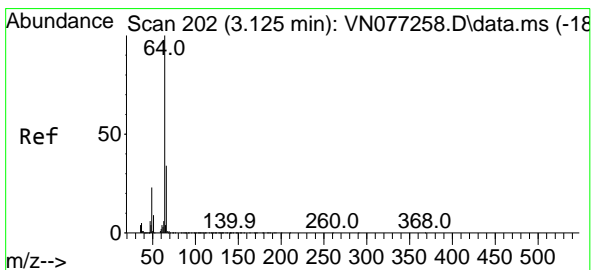
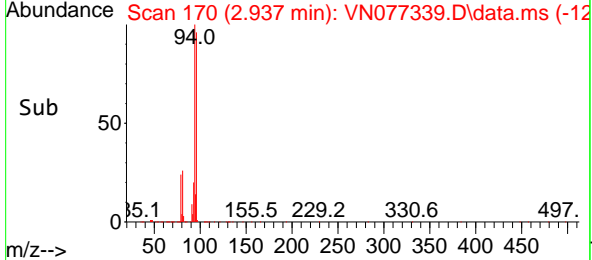
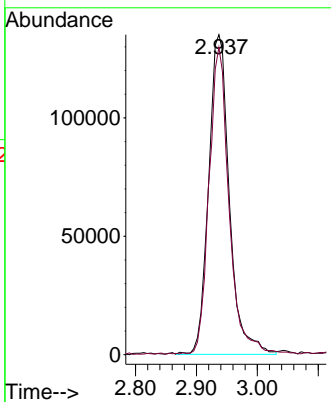
Instrument : MSVOA\_N  
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Tgt Ion: 94 Resp: 319950  
 Ion Ratio Lower Upper  
 94 100  
 96 95.8 77.0 115.4

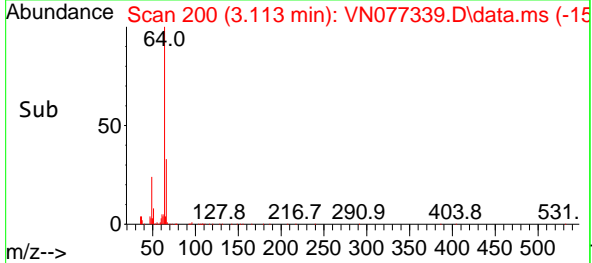
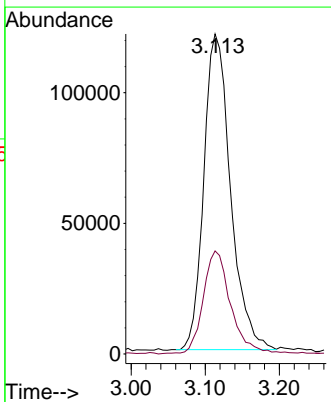
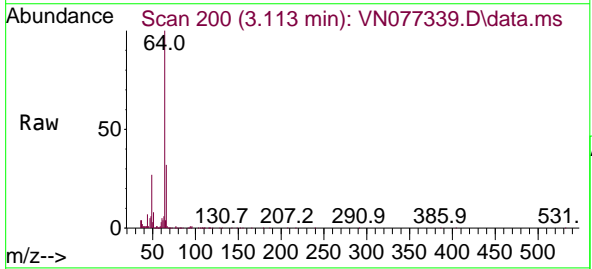
Manual Integrations  
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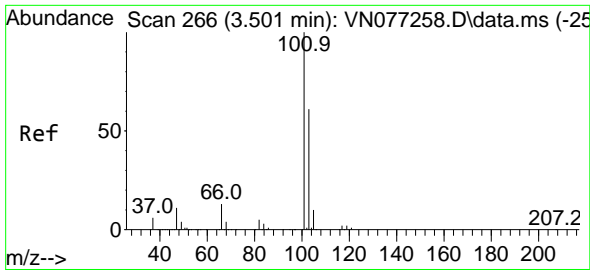
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023



#6  
 Chloroethane  
 Concen: 44.558 ug/l  
 RT: 3.113 min Scan# 200  
 Delta R.T. -0.012 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

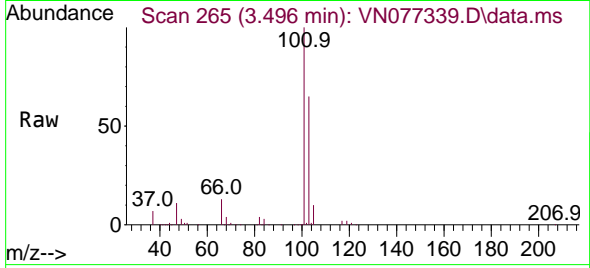
Tgt Ion: 64 Resp: 302584  
 Ion Ratio Lower Upper  
 64 100  
 66 32.3 26.9 40.3





#7  
 Trichlorofluoromethane  
 Concen: 52.744 ug/l  
 RT: 3.496 min Scan# 265  
 Delta R.T. -0.005 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

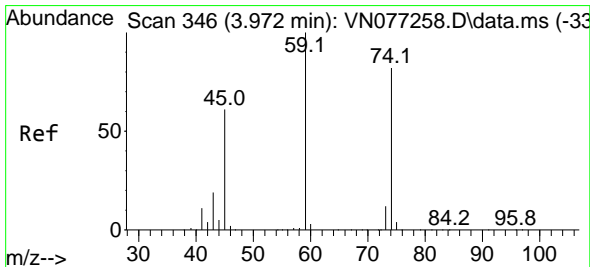
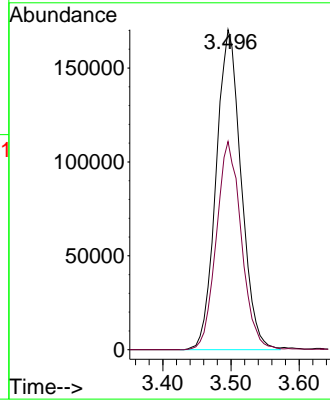
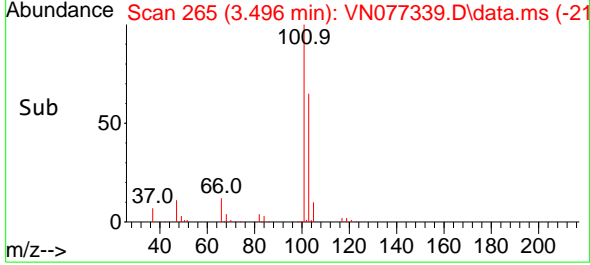
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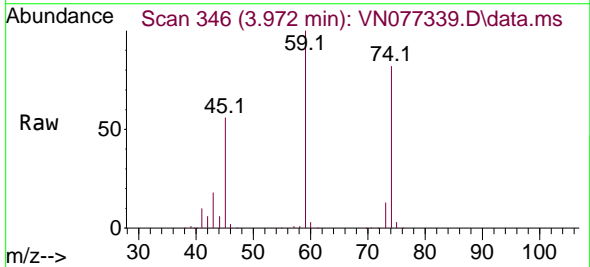
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 Ion Ratio Lower Upper  
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Manual Integrations  
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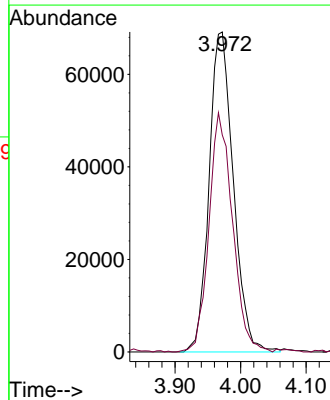
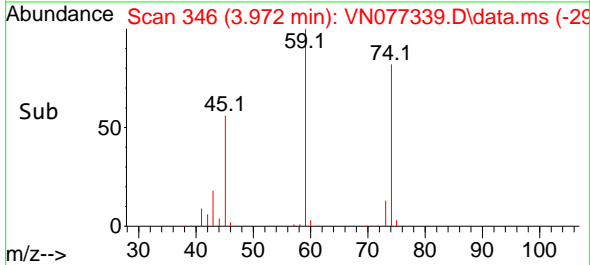
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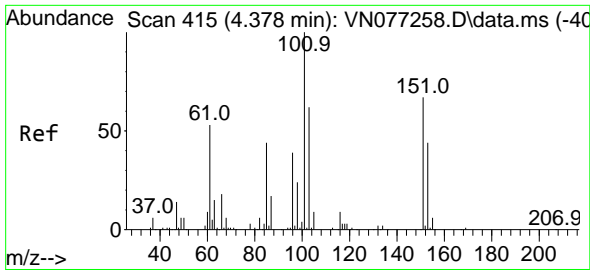
#8  
 Diethyl Ether  
 Concen: 51.380 ug/l  
 RT: 3.972 min Scan# 346  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 74 Resp: 177643  
 Ion Ratio Lower Upper  
 74 100  
 45 72.6 37.8 113.4

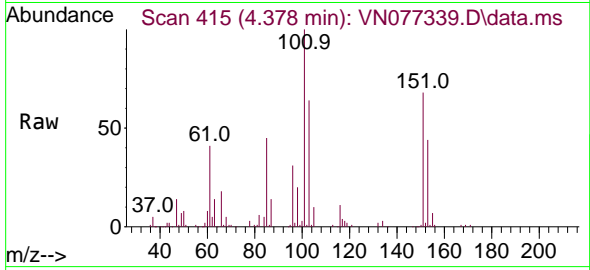






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 51.771 ug/l  
 RT: 4.378 min Scan# 411  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

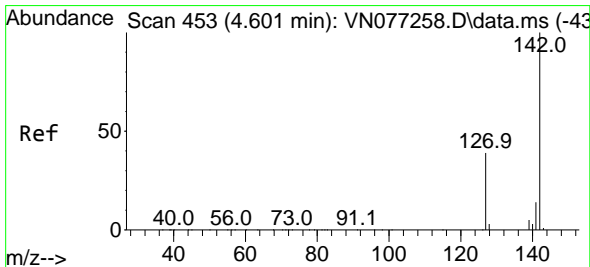
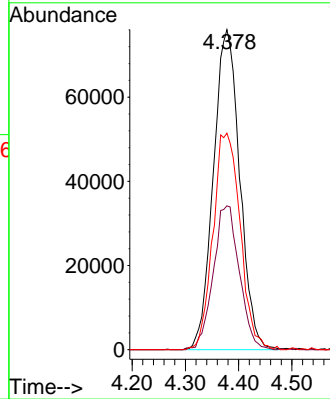
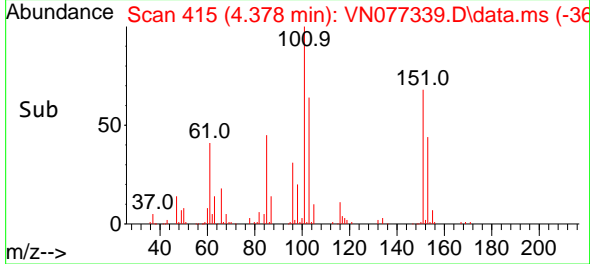
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



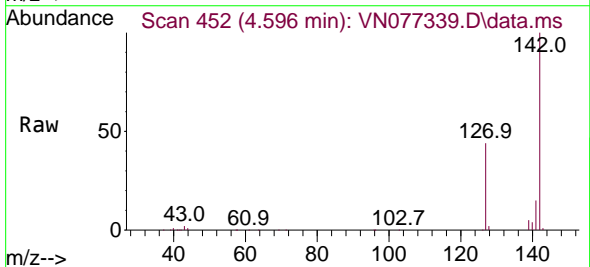
Tgt Ion:101 Resp: 261414  
 Ion Ratio Lower Upper  
 101 100  
 85 44.5 37.3 55.9  
 151 69.9 56.3 84.5

Manual Integrations  
**APPROVED**

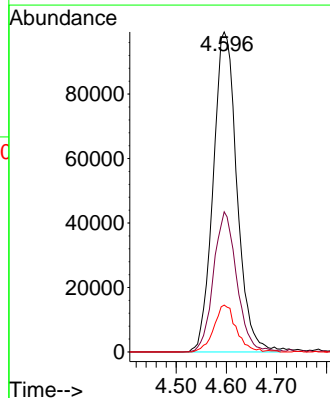
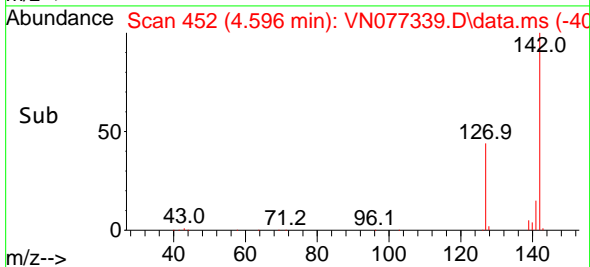
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

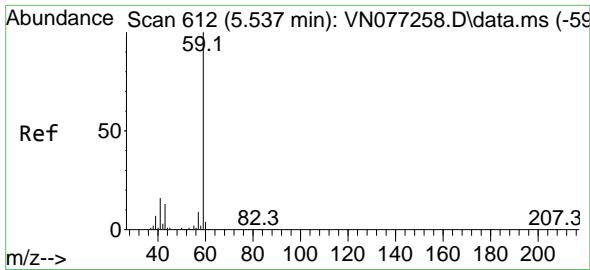


#10  
 Methyl Iodide  
 Concen: 53.338 ug/l  
 RT: 4.596 min Scan# 452  
 Delta R.T. -0.005 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



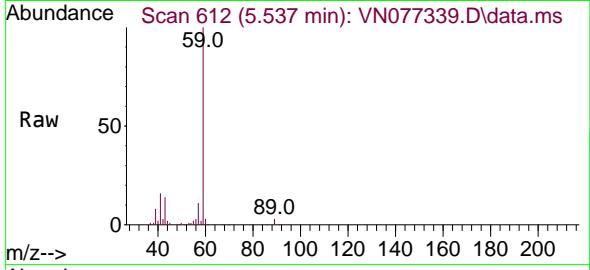
Tgt Ion:142 Resp: 327545  
 Ion Ratio Lower Upper  
 142 100  
 127 43.8 31.5 47.3  
 141 14.7 11.4 17.2





#11  
 Tert butyl alcohol  
 Concen: 244.817 ug/l  
 RT: 5.537 min Scan# 612  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

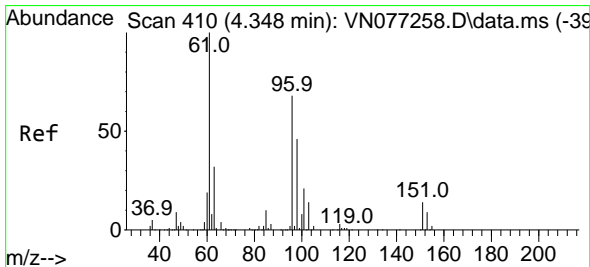
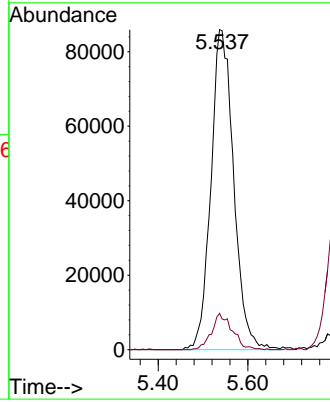
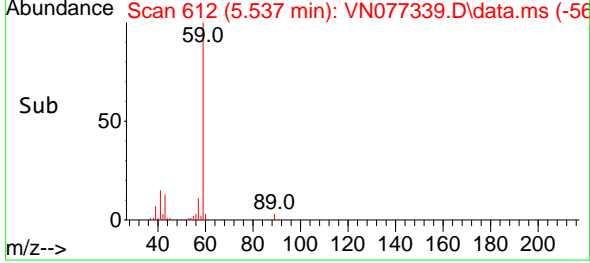
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



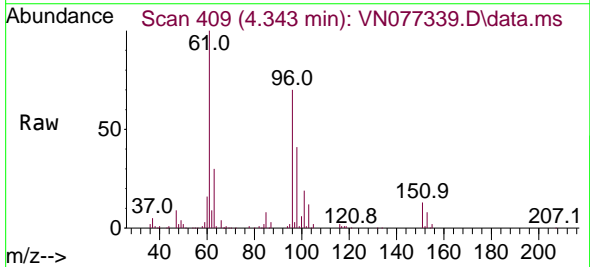
Tgt Ion: 59 Resp: 30294  
 Ion Ratio Lower Upper  
 59 100  
 57 10.3 8.3 12.5

Manual Integrations  
 APPROVED

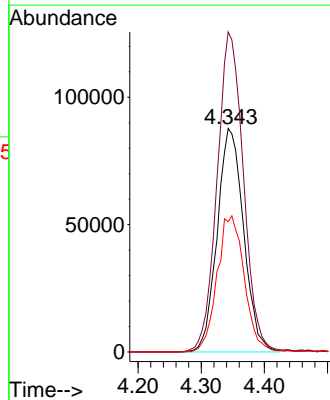
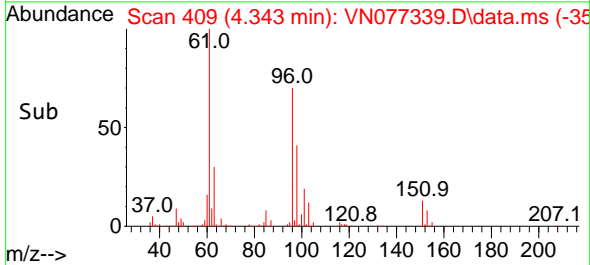
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

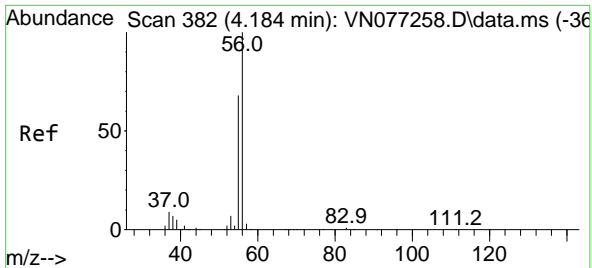


#12  
 1,1-Dichloroethene  
 Concen: 49.091 ug/l  
 RT: 4.343 min Scan# 409  
 Delta R.T. -0.005 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



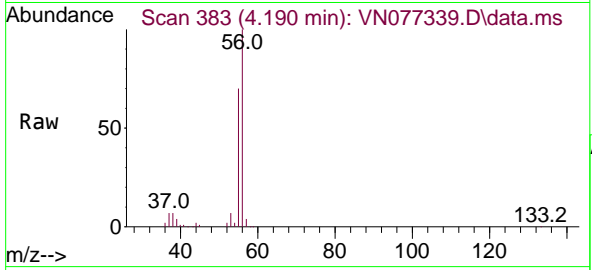
Tgt Ion: 96 Resp: 255161  
 Ion Ratio Lower Upper  
 96 100  
 61 143.2 118.3 177.5  
 98 58.3 54.5 81.7





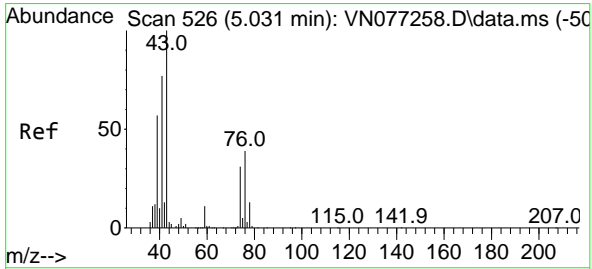
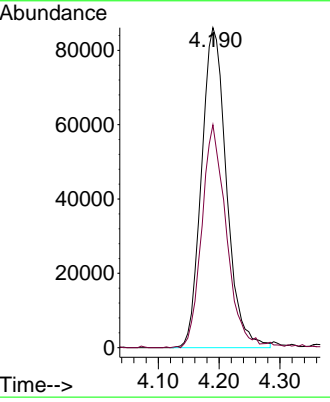
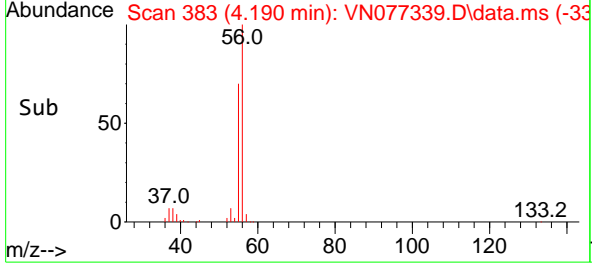
#13  
 Acrolein  
 Concen: 208.944 ug/l  
 RT: 4.190 min Scan# 382  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC

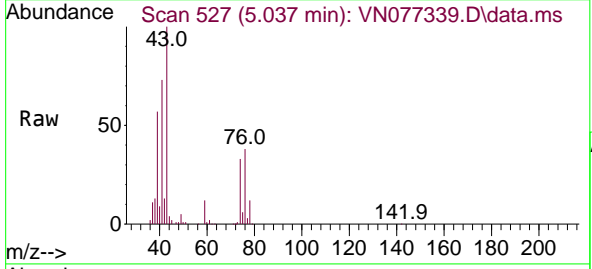


Tgt Ion: 56 Resp: 24487  
 Ion Ratio Lower Upper  
 56 100  
 55 68.0 54.2 81.2

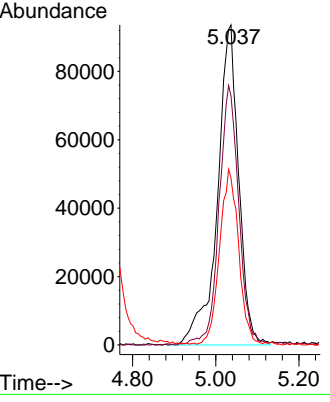
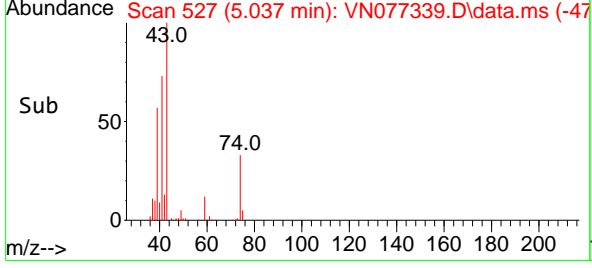
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

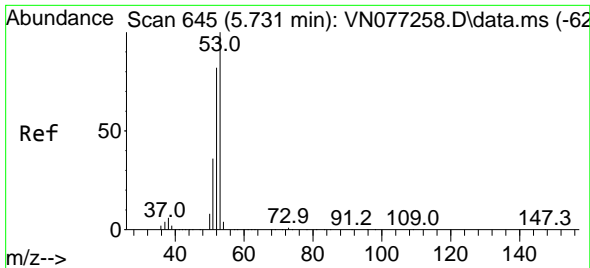


#14  
 Allyl chloride  
 Concen: 42.496 ug/l  
 RT: 5.037 min Scan# 527  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 41 Resp: 333608  
 Ion Ratio Lower Upper  
 41 100  
 39 74.6 55.0 82.4  
 76 48.2 35.4 53.2





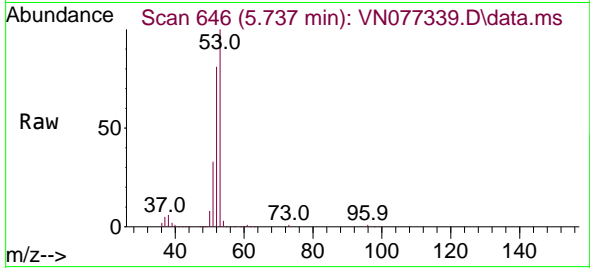
#15  
 Acrylonitrile  
 Concen: 257.456 ug/l  
 RT: 5.737 min Scan# 645  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



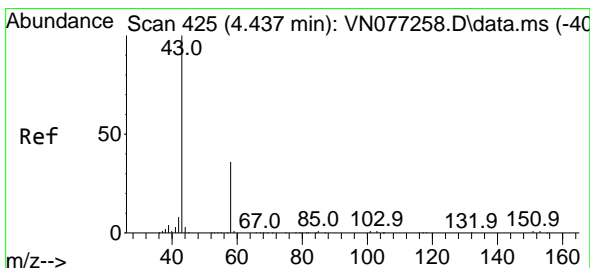
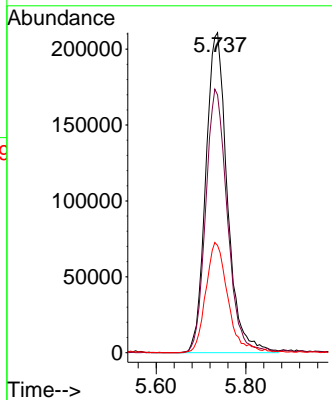
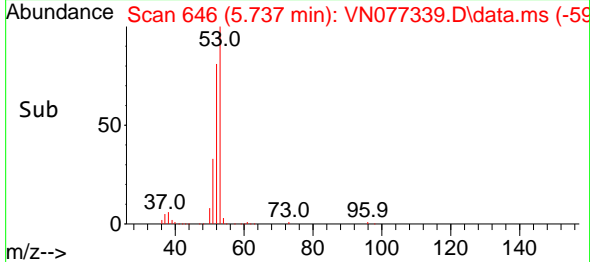
Tgt Ion: 53 Resp: 704309  
 Ion Ratio Lower Upper  
 53 100  
 52 82.7 65.2 97.8  
 51 35.5 28.1 42.1

Manual Integrations

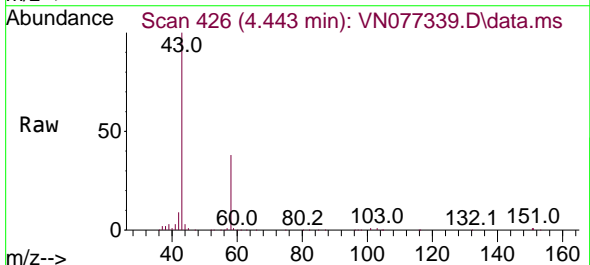
APPROVED

Reviewed By :John Carlone 04/14/2023

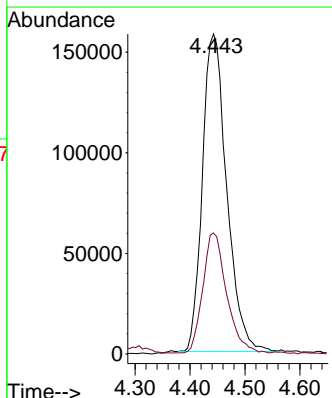
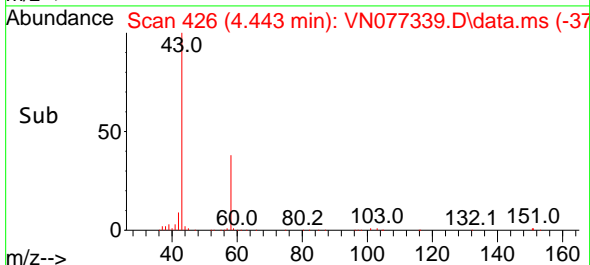
Supervised By :Mahesh Dadoda 04/14/2023

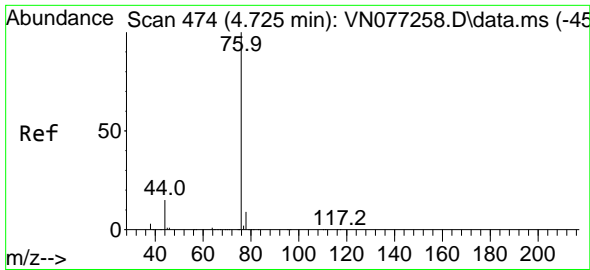


#16  
 Acetone  
 Concen: 217.166 ug/l  
 RT: 4.443 min Scan# 426  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



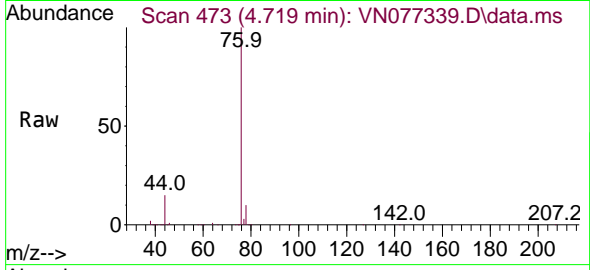
Tgt Ion: 43 Resp: 485568  
 Ion Ratio Lower Upper  
 43 100  
 58 37.7 29.0 43.6





#17  
 Carbon Disulfide  
 Concen: 46.070 ug/l  
 RT: 4.719 min Scan# 473  
 Delta R.T. -0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

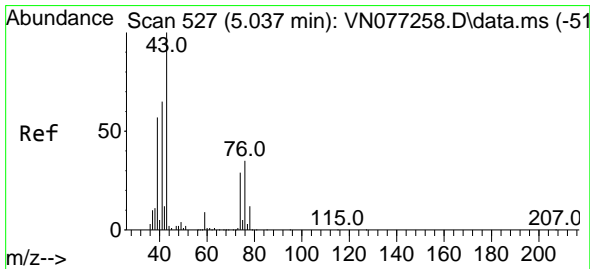
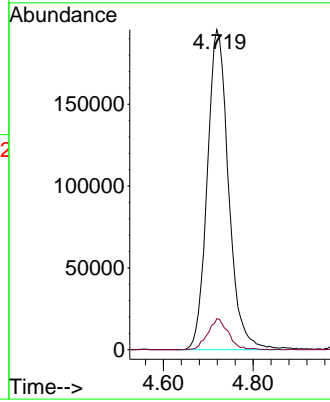
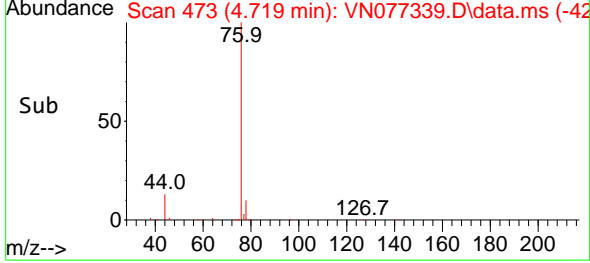
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



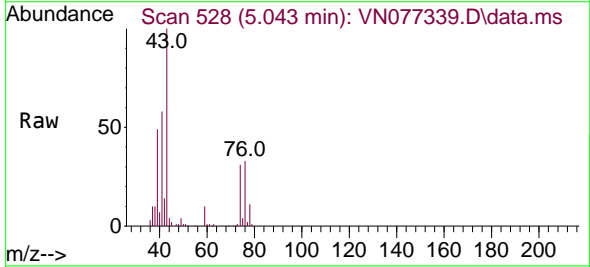
Tgt Ion: 76 Resp: 64572  
 Ion Ratio Lower Upper  
 76 100  
 78 9.7 7.3 10.9

Manual Integrations  
 APPROVED

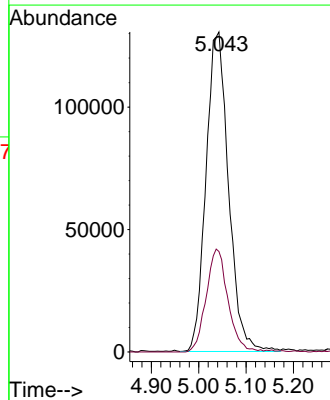
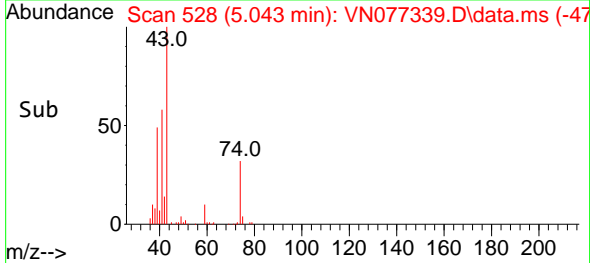
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

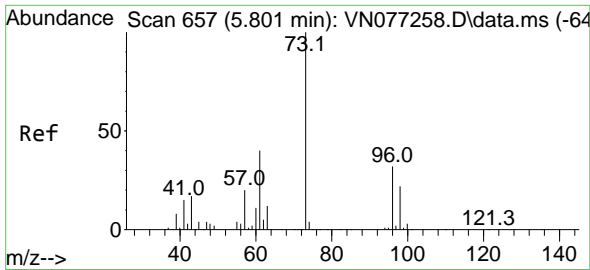


#18  
 Methyl Acetate  
 Concen: 50.704 ug/l  
 RT: 5.043 min Scan# 528  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



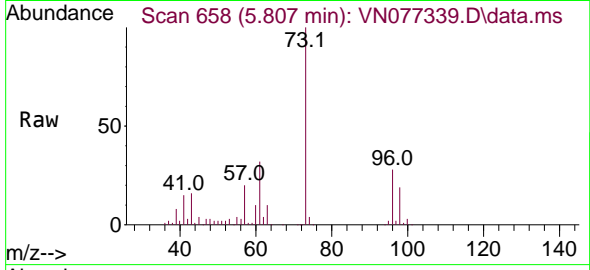
Tgt Ion: 43 Resp: 431778  
 Ion Ratio Lower Upper  
 43 100  
 74 31.0 23.4 35.2





#19  
 Methyl tert-butyl Ether  
 Concen: 52.168 ug/l  
 RT: 5.807 min Scan# 657  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

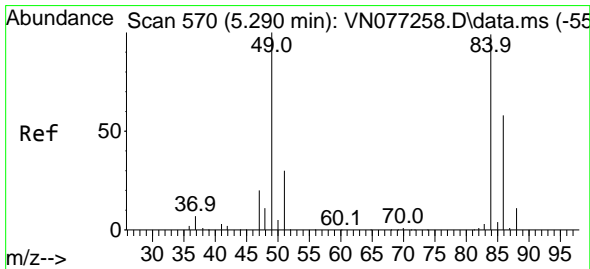
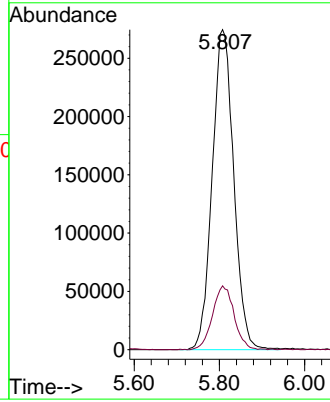
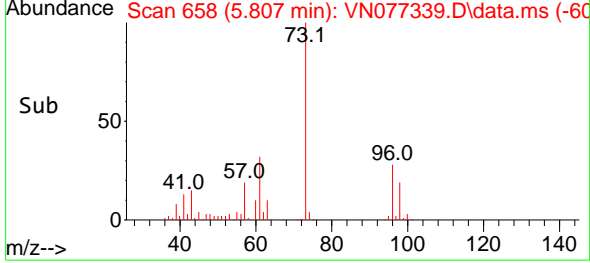
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



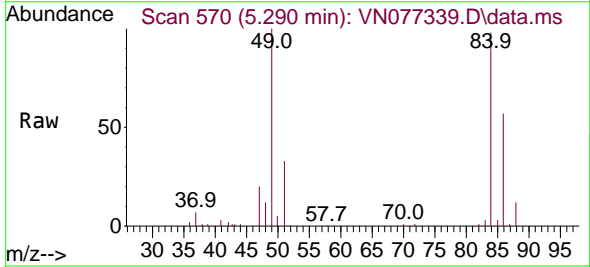
Tgt Ion: 73 Resp: 962136  
 Ion Ratio Lower Upper  
 73 100  
 57 19.9 16.2 24.4

Manual Integrations  
**APPROVED**

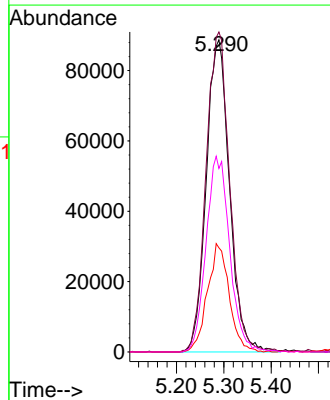
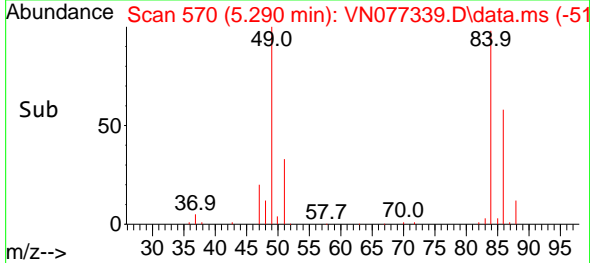
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

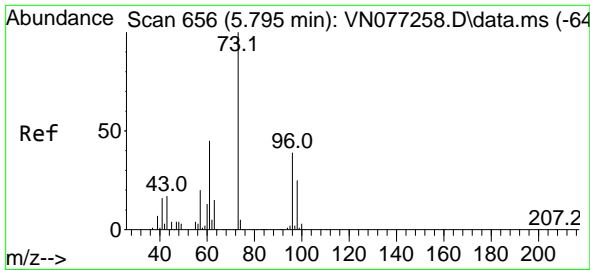


#20  
 Methylene Chloride  
 Concen: 47.933 ug/l  
 RT: 5.290 min Scan# 570  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



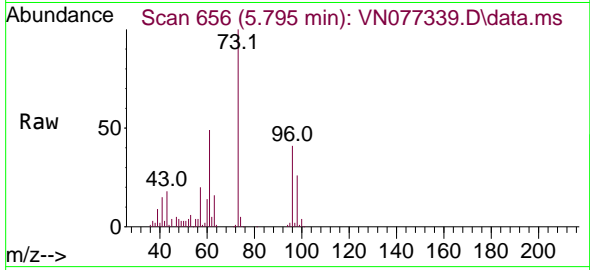
Tgt Ion: 84 Resp: 302678  
 Ion Ratio Lower Upper  
 84 100  
 49 102.5 80.6 121.0  
 51 33.4 24.4 36.6  
 86 58.8 47.0 70.6





#21  
 trans-1,2-Dichloroethene  
 Concen: 50.901 ug/l  
 RT: 5.795 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

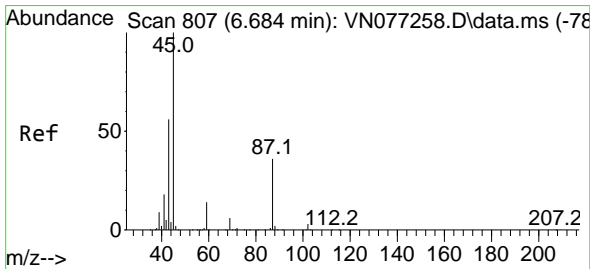
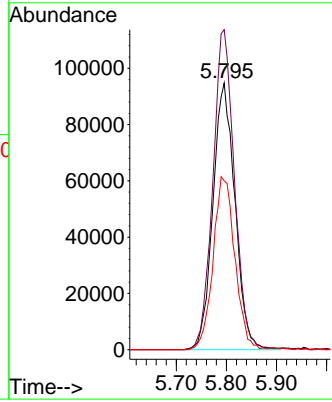
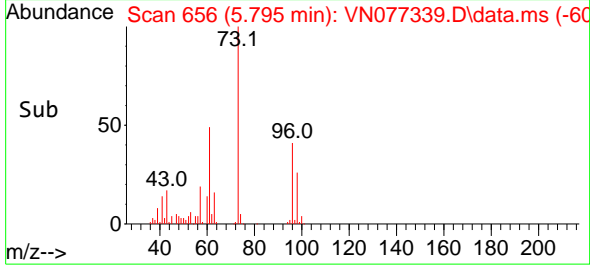
Instrument : MSVOA\_N  
 ClientSampleId : VSTDC050EC



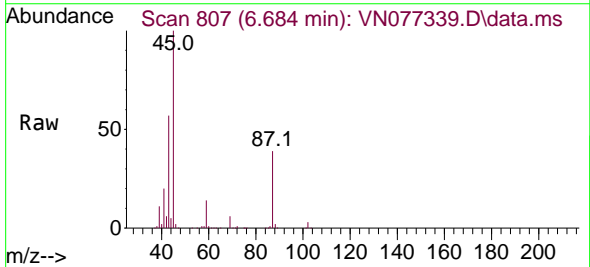
Tgt Ion: 96 Resp: 28967  
 Ion Ratio Lower Upper  
 96 100  
 61 120.0 93.8 140.6  
 98 63.3 50.9 76.3

Manual Integrations  
 APPROVED

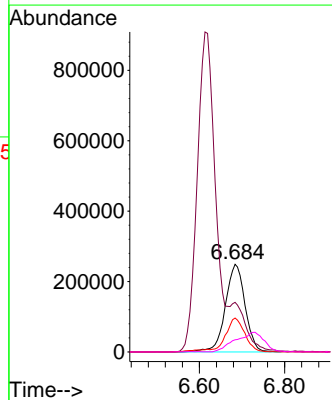
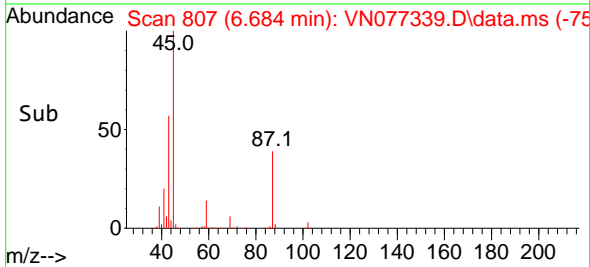
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

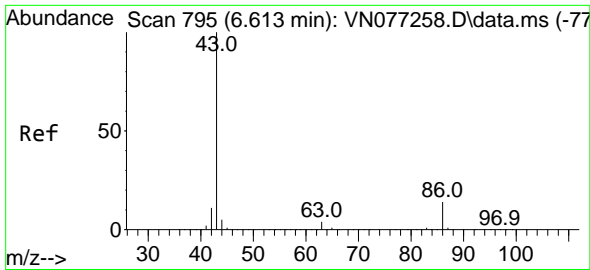


#22  
 Diisopropyl ether  
 Concen: 50.867 ug/l  
 RT: 6.684 min Scan# 807  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 45 Resp: 800570  
 Ion Ratio Lower Upper  
 45 100  
 43 55.7 44.6 66.8  
 87 38.5 28.4 42.6  
 59 13.6 11.1 16.7





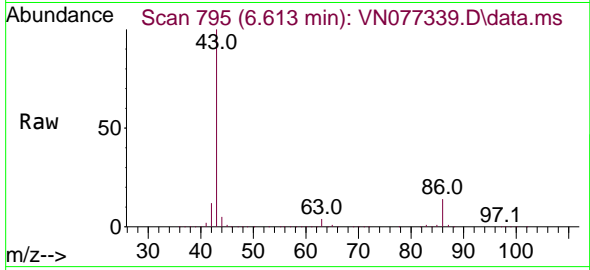
#23  
 Vinyl Acetate  
 Concen: 287.955 ug/l m  
 RT: 6.613 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

Client Sample Id :

VSTDC050EC



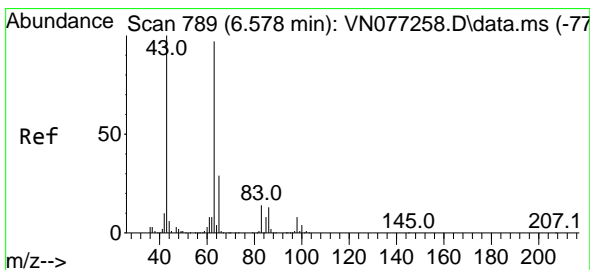
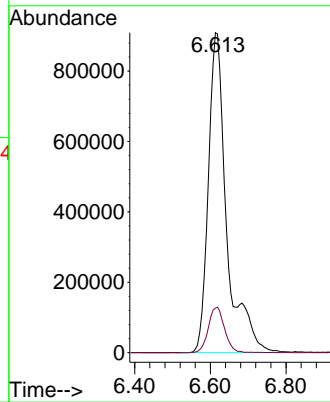
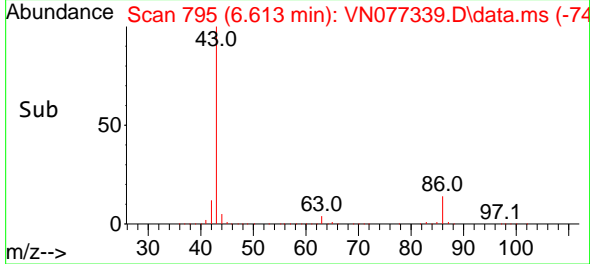
Tgt Ion: 43 Resp: 306429  
 Ion Ratio Lower Upper  
 43 100  
 86 13.9 11.2 16.8

Manual Integrations

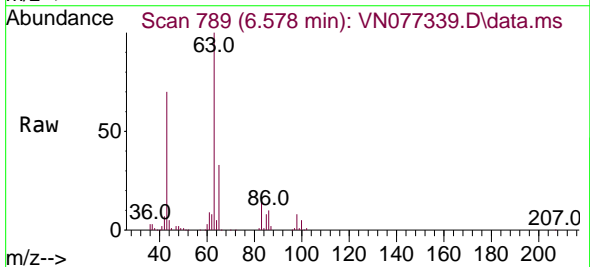
APPROVED

Reviewed By :John Carlone 04/14/2023

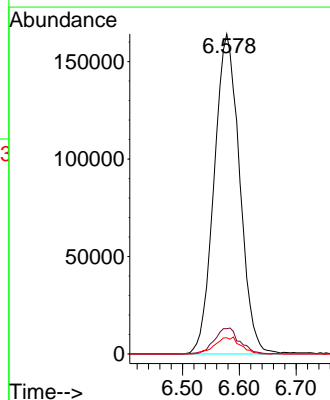
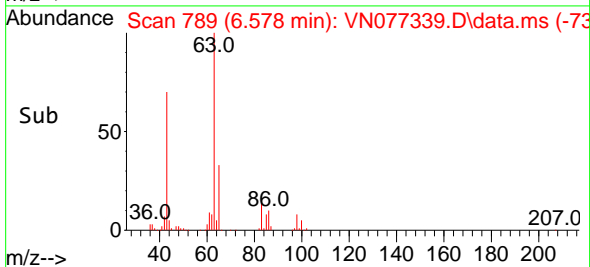
Supervised By :Mahesh Dadoda 04/14/2023



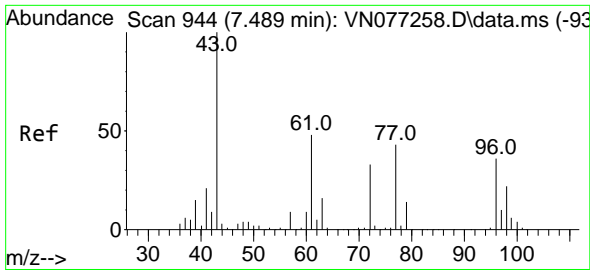
#24  
 1,1-Dichloroethane  
 Concen: 50.298 ug/l  
 RT: 6.578 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 63 Resp: 511187  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 4.0 12.0  
 100 5.1 2.3 6.9







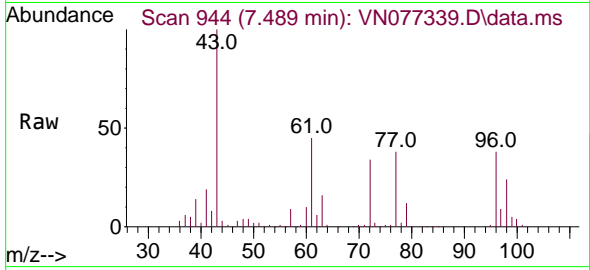
#25  
 2-Butanone  
 Concen: 246.870 ug/l  
 RT: 7.489 min Scan# 944  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



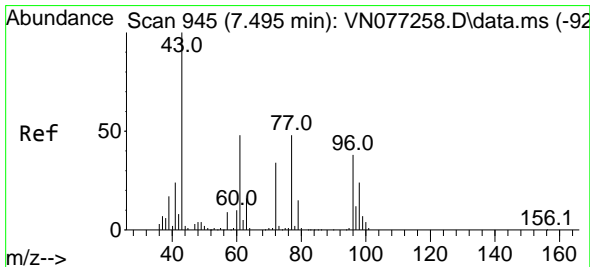
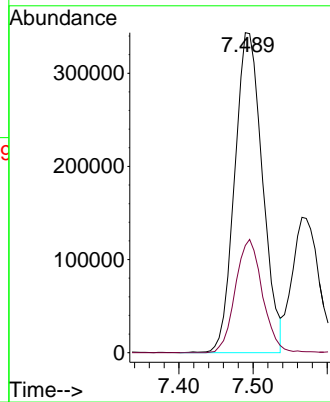
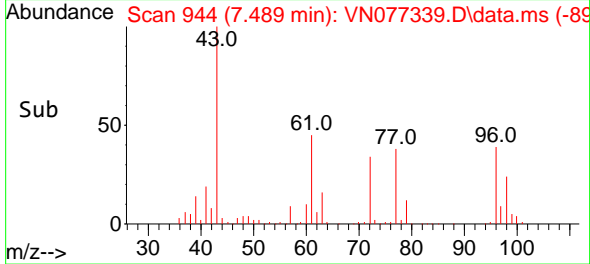
Tgt Ion: 43 Resp: 89585  
 Ion Ratio Lower Upper  
 43 100  
 72 33.5 26.6 39.8

Manual Integrations

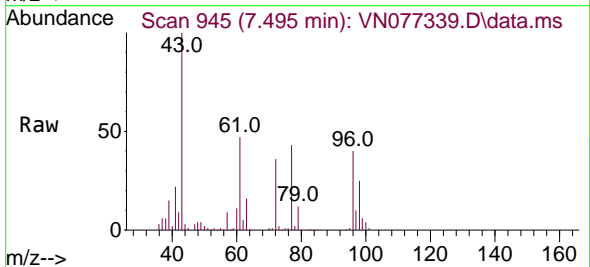
APPROVED

Reviewed By :John Carlone 04/14/2023

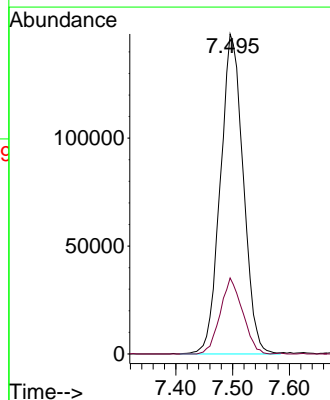
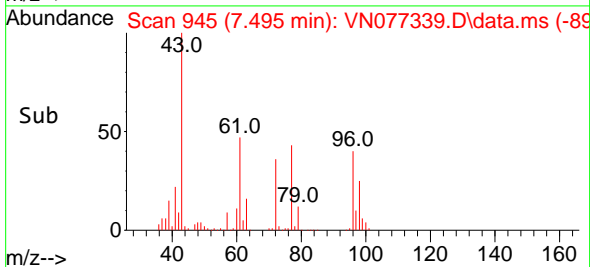
Supervised By :Mahesh Dadoda 04/14/2023

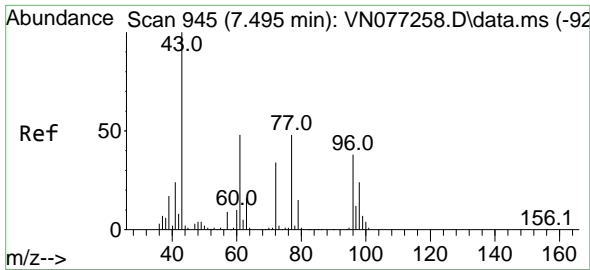


#26  
 2,2-Dichloropropane  
 Concen: 44.555 ug/l  
 RT: 7.495 min Scan# 945  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 77 Resp: 415219  
 Ion Ratio Lower Upper  
 77 100  
 97 23.2 12.0 36.1





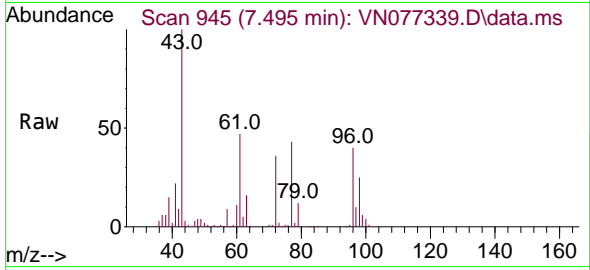
#27  
 cis-1,2-Dichloroethene  
 Concen: 51.826 ug/l  
 RT: 7.495 min Scan# 945  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



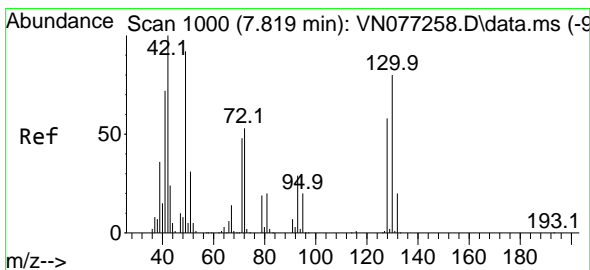
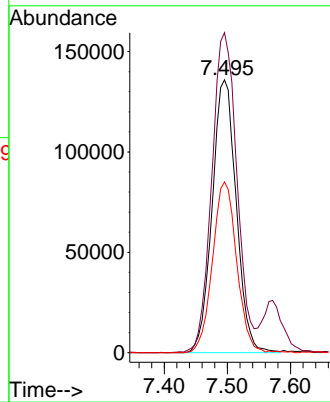
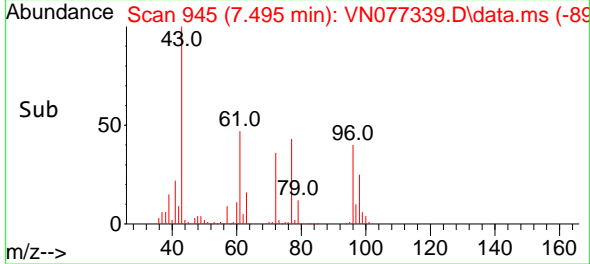
Tgt Ion: 96 Resp: 360174  
 Ion Ratio Lower Upper  
 96 100  
 61 122.3 0.0 261.0  
 98 63.0 0.0 128.0

Manual Integrations

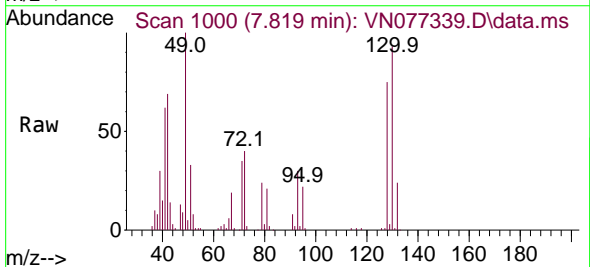
APPROVED

Reviewed By :John Carlone 04/14/2023

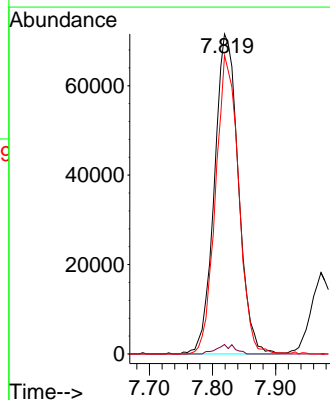
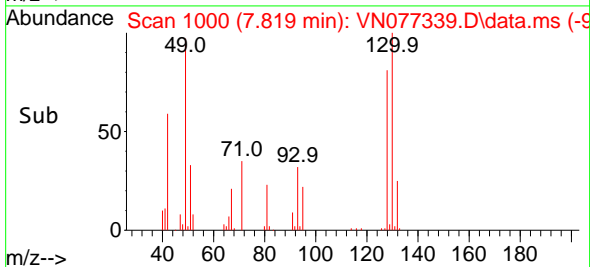
Supervised By :Mahesh Dadoda 04/14/2023

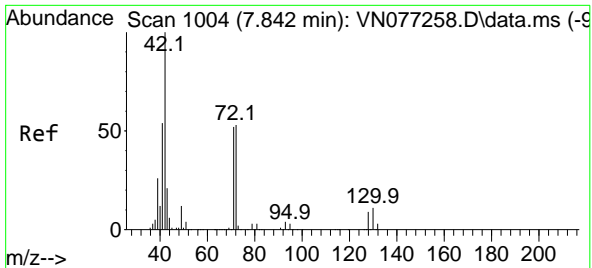


#28  
 Bromochloromethane  
 Concen: 46.168 ug/l  
 RT: 7.819 min Scan# 1000  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



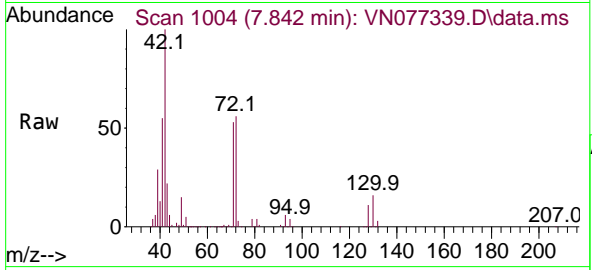
Tgt Ion: 49 Resp: 188741  
 Ion Ratio Lower Upper  
 49 100  
 129 2.3 0.0 4.4  
 130 89.7 68.4 102.6





#29  
 Tetrahydrofuran  
 Concen: 253.605 ug/l  
 RT: 7.842 min Scan# 1004  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

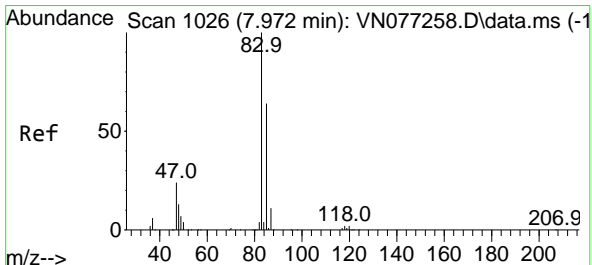
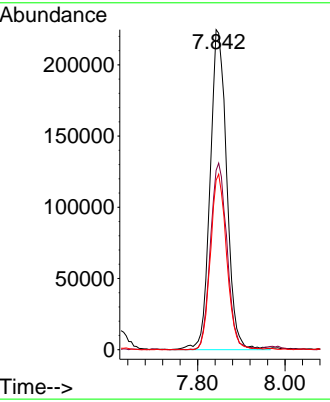
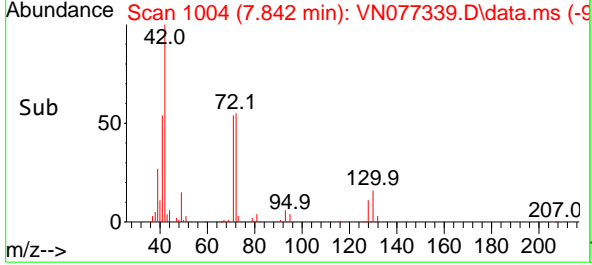
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



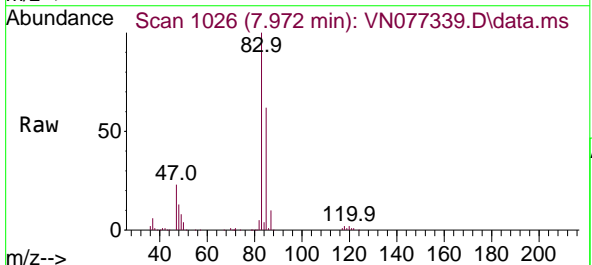
Tgt Ion: 42 Resp: 591589

Ion	Ratio	Lower	Upper
42	100		
72	58.2	44.6	66.8
71	53.4	41.3	61.9

Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

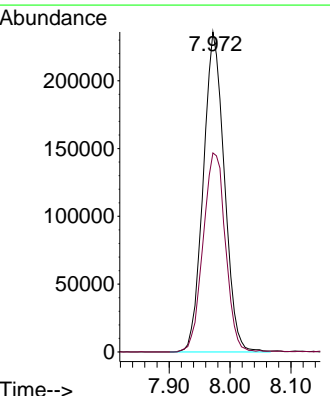
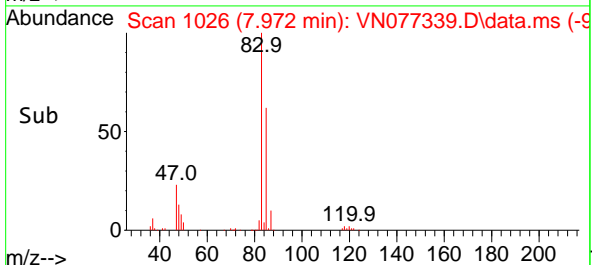


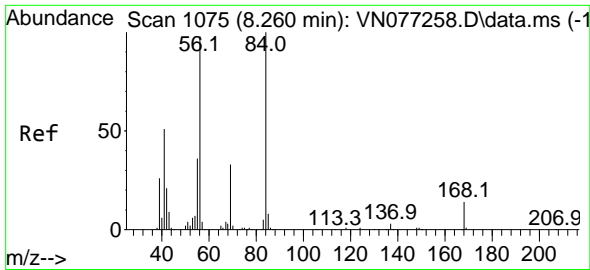
#30  
 Chloroform  
 Concen: 52.413 ug/l  
 RT: 7.972 min Scan# 1026  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 83 Resp: 568050

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.9	76.3





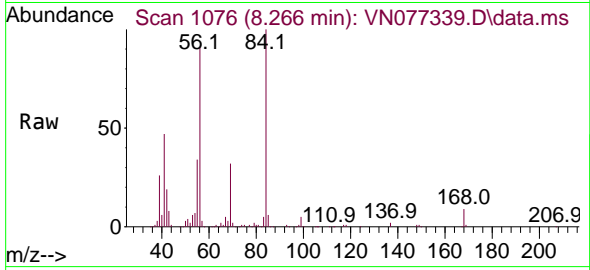
#31  
 Cyclohexane  
 Concen: 44.608 ug/l  
 RT: 8.266 min Scan# 1076  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

Client Sample Id :

VSTDCCC050EC



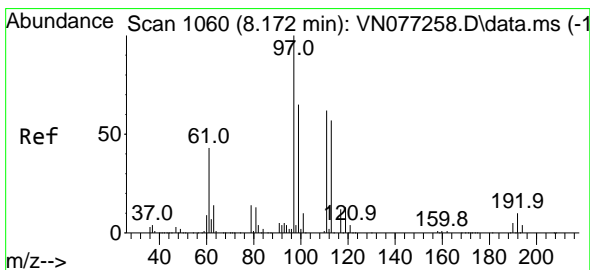
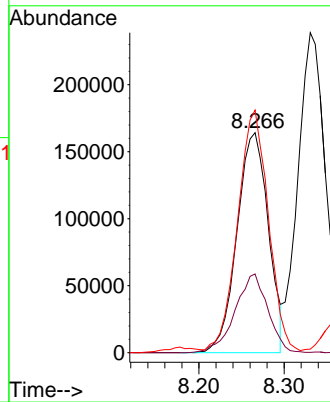
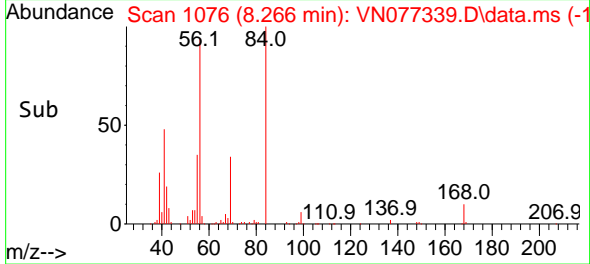
Tgt Ion: 56 Resp: 420340  
 Ion Ratio Lower Upper  
 56 100  
 69 35.8 26.6 40.0  
 84 107.7 81.8 122.8

Manual Integrations

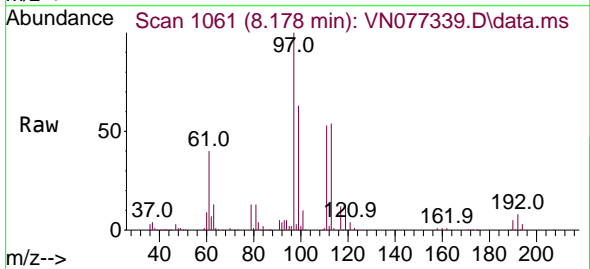
APPROVED

Reviewed By :John Carlone 04/14/2023

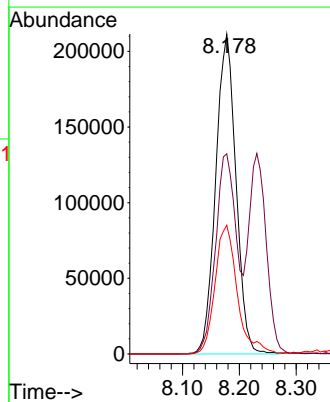
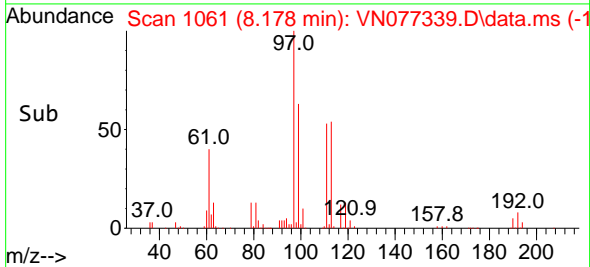
Supervised By :Mahesh Dadoda 04/14/2023

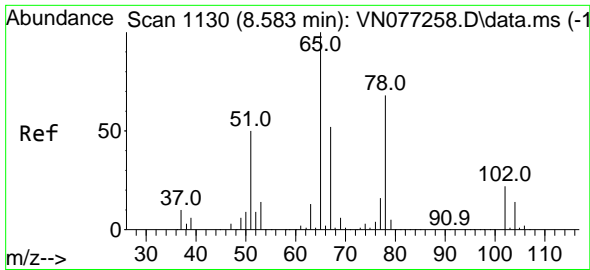


#32  
 1,1,1-Trichloroethane  
 Concen: 53.078 ug/l  
 RT: 8.178 min Scan# 1061  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



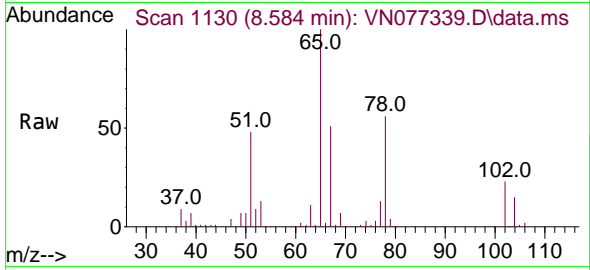
Tgt Ion: 97 Resp: 523175  
 Ion Ratio Lower Upper  
 97 100  
 99 65.5 54.2 81.4  
 61 44.4 35.8 53.6





#33  
 1,2-Dichloroethane-d4  
 Concen: 50.453 ug/l  
 RT: 8.584 min Scan# 1130  
 Delta R.T. 0.001 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

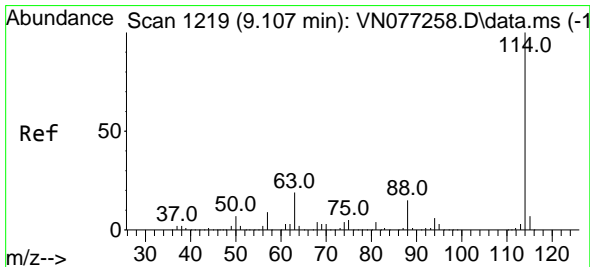
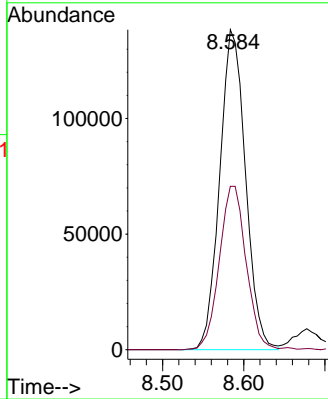
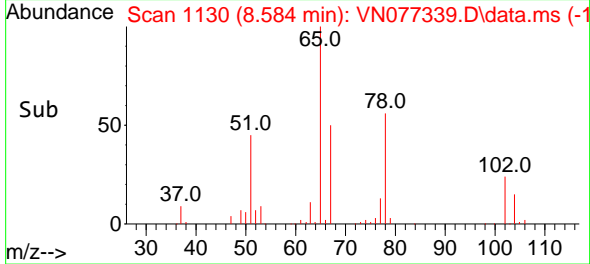
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



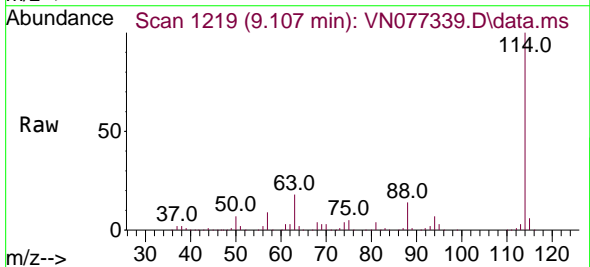
Tgt Ion: 65 Resp: 30596  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 108.8

Manual Integrations  
**APPROVED**

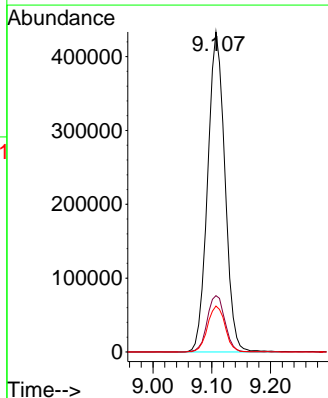
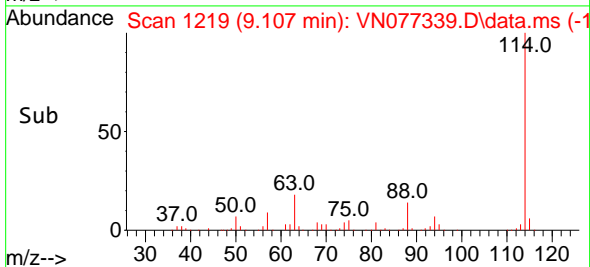
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

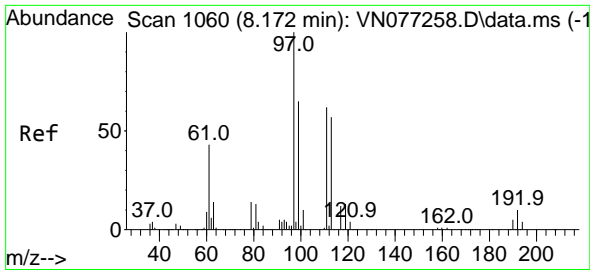


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.107 min Scan# 1219  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:114 Resp: 881279  
 Ion Ratio Lower Upper  
 114 100  
 63 17.6 0.0 37.8  
 88 14.3 0.0 29.4





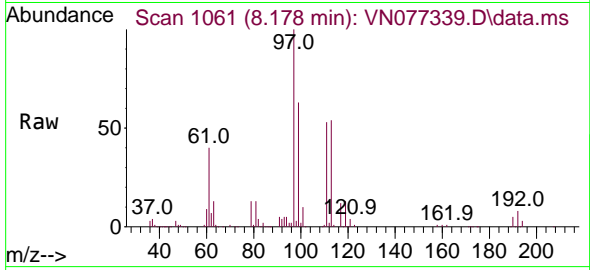
#35  
 Dibromofluoromethane  
 Concen: 49.316 ug/l  
 RT: 8.178 min Scan# 1060  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



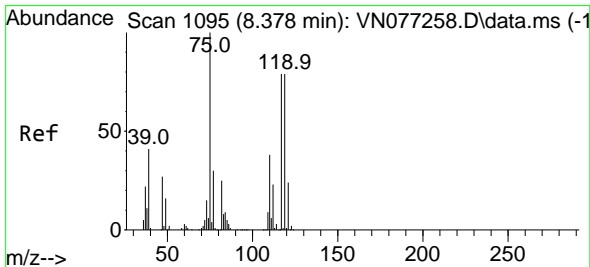
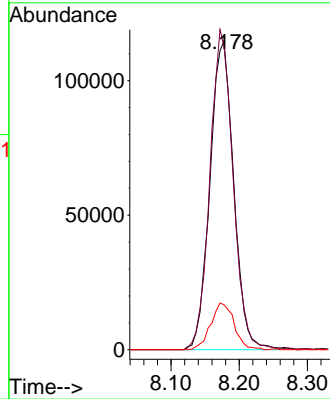
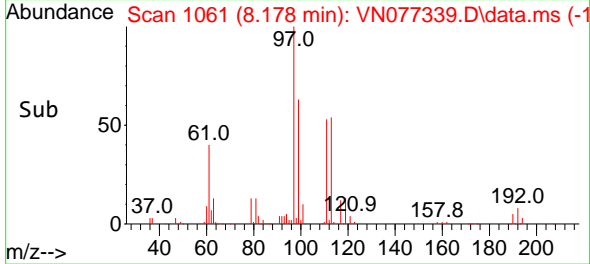
Tgt Ion:113 Resp: 278228  
 Ion Ratio Lower Upper  
 113 100  
 111 101.1 83.4 125.0  
 192 14.9 13.5 20.3

Manual Integrations

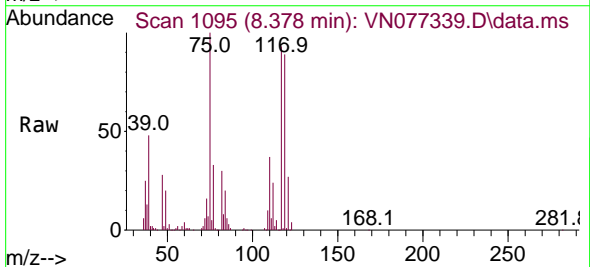
APPROVED

Reviewed By :John Carlone 04/14/2023

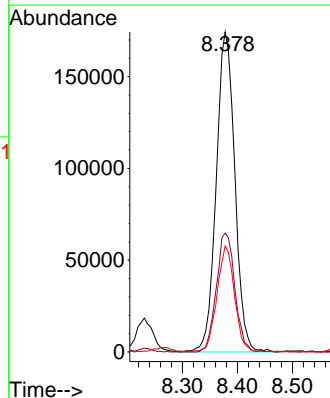
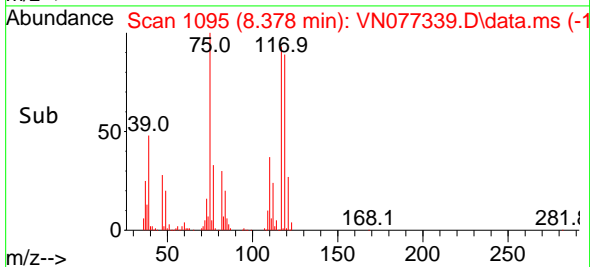
Supervised By :Mahesh Dadoda 04/14/2023

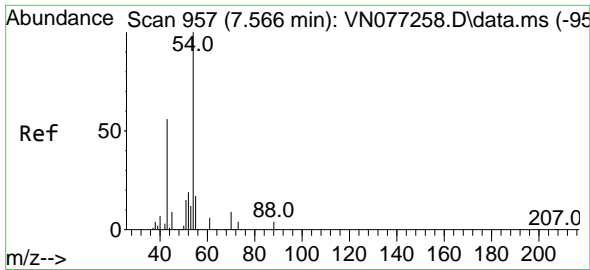


#36  
 1,1-Dichloropropene  
 Concen: 49.144 ug/l  
 RT: 8.378 min Scan# 1095  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



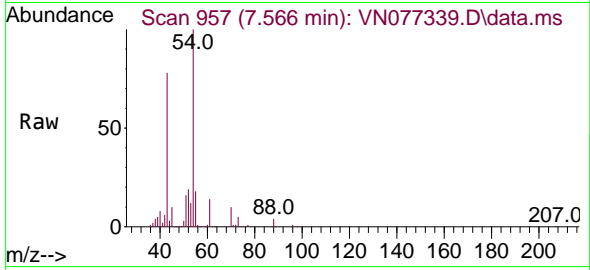
Tgt Ion: 75 Resp: 410066  
 Ion Ratio Lower Upper  
 75 100  
 110 36.9 17.8 53.5  
 77 31.3 25.0 37.4





#37  
 Ethyl Acetate  
 Concen: 50.504 ug/l  
 RT: 7.566 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

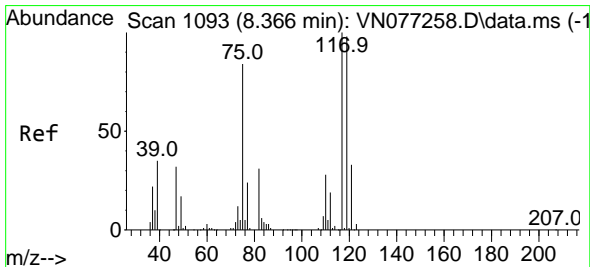
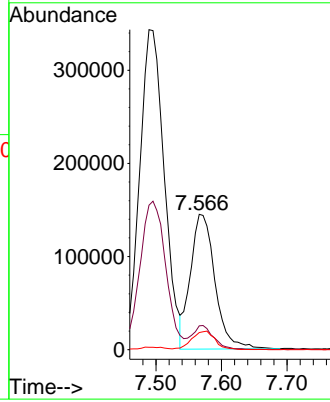
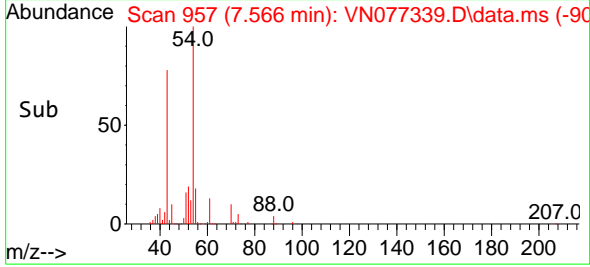
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



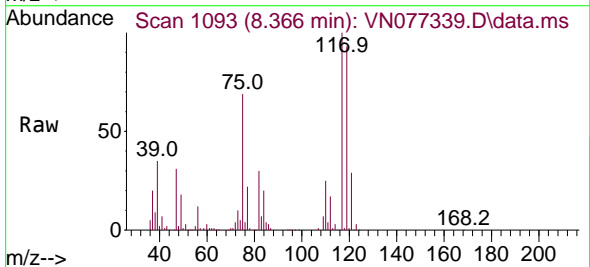
Tgt Ion: 43 Resp: 377040  
 Ion Ratio Lower Upper  
 43 100  
 61 14.8 12.2 18.2  
 70 12.8 10.0 15.0

Manual Integrations  
**APPROVED**

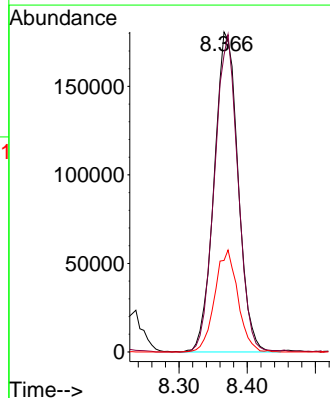
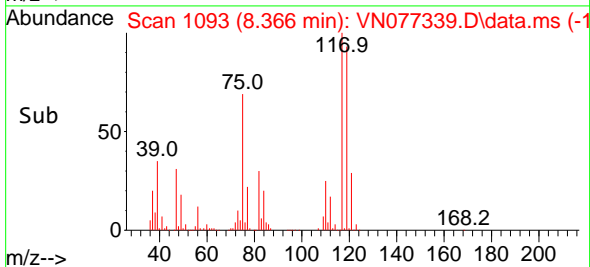
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

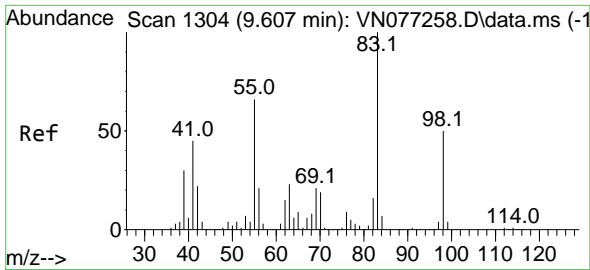


#38  
 Carbon Tetrachloride  
 Concen: 51.800 ug/l  
 RT: 8.366 min Scan# 1093  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:117 Resp: 442823  
 Ion Ratio Lower Upper  
 117 100  
 119 92.8 78.5 117.7  
 121 28.6 26.6 40.0





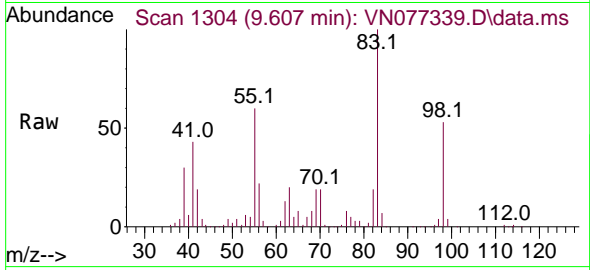
#39  
 Methylcyclohexane  
 Concen: 48.628 ug/l  
 RT: 9.607 min Scan# 1135  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



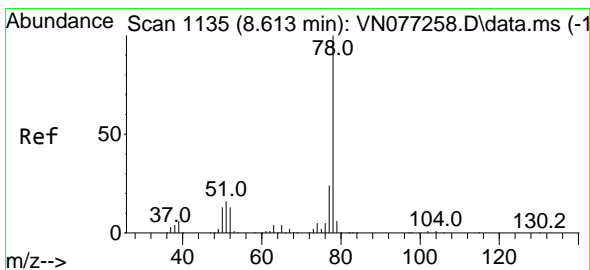
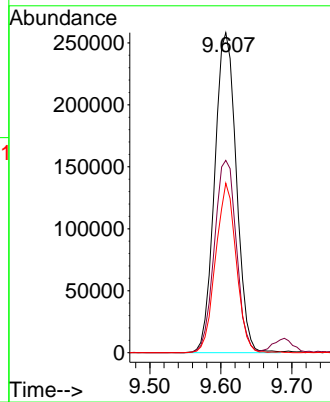
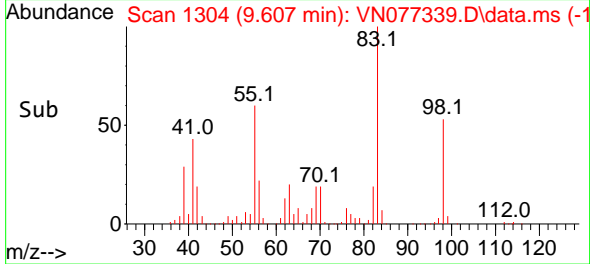
Tgt Ion: 83 Resp: 547124  
 Ion Ratio Lower Upper  
 83 100  
 55 60.1 52.4 78.6  
 98 53.0 39.8 59.6

Manual Integrations

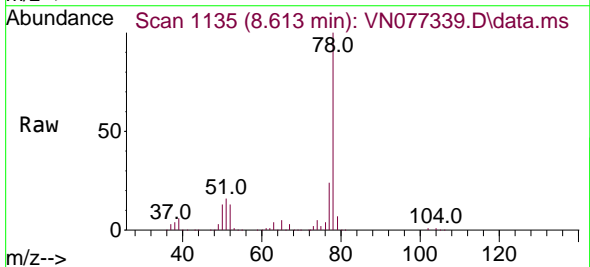
APPROVED

Reviewed By :John Carlone 04/14/2023

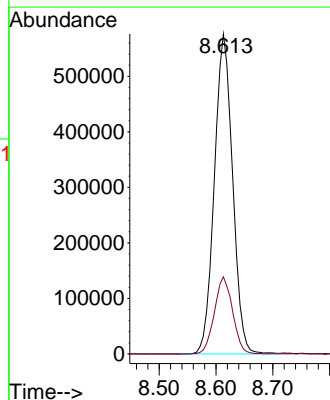
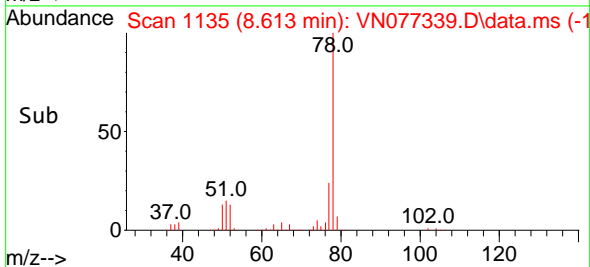
Supervised By :Mahesh Dadoda 04/14/2023



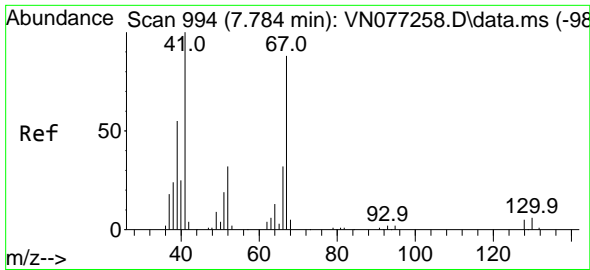
#40  
 Benzene  
 Concen: 49.412 ug/l  
 RT: 8.613 min Scan# 1135  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 78 Resp: 1286021  
 Ion Ratio Lower Upper  
 78 100  
 77 24.1 19.5 29.3

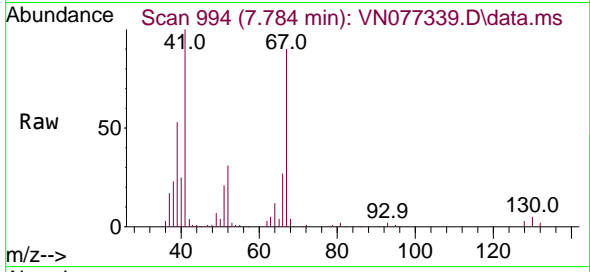






#41  
 Methacrylonitrile  
 Concen: 47.240 ug/l  
 RT: 7.784 min Scan# 994  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

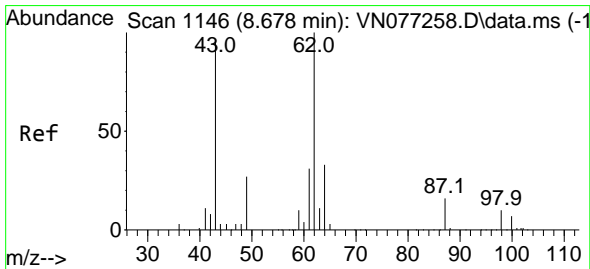
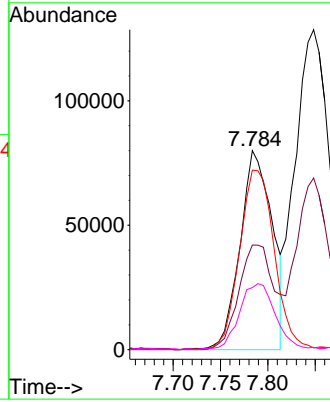
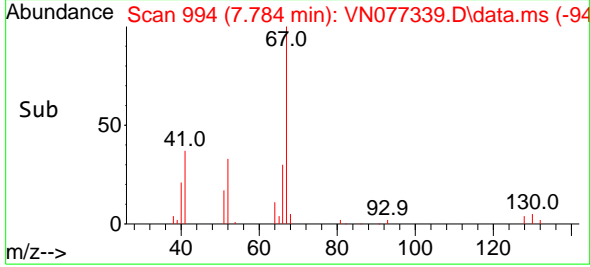
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



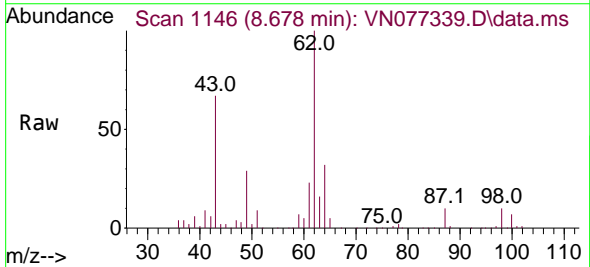
Tgt Ion: 41 Resp: 189570  
 Ion Ratio Lower Upper  
 41 100  
 39 59.8 44.1 66.1  
 67 97.9 71.4 107.2  
 52 37.2 27.5 41.3

Manual Integrations  
 APPROVED

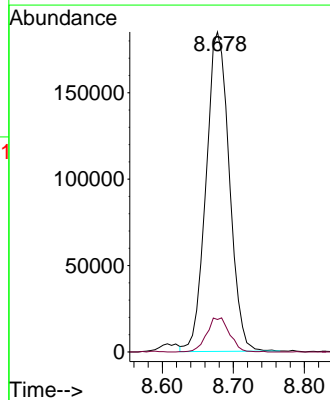
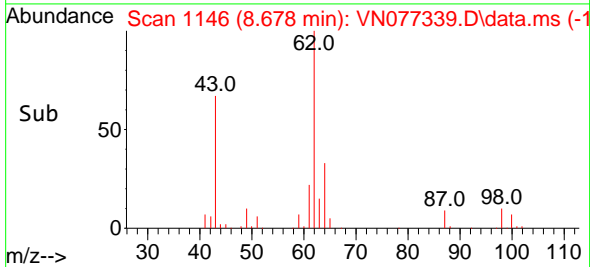
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

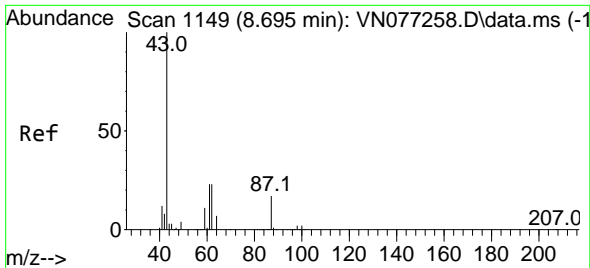


#42  
 1,2-Dichloroethane  
 Concen: 52.535 ug/l  
 RT: 8.678 min Scan# 1146  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 62 Resp: 420811  
 Ion Ratio Lower Upper  
 62 100  
 98 10.5 0.0 20.2





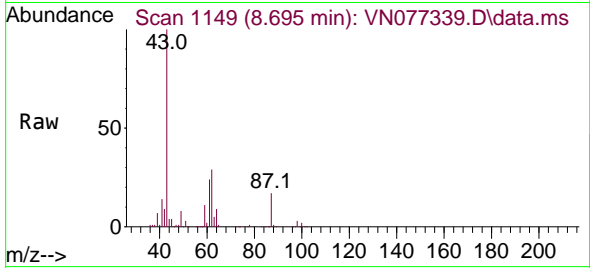
#43  
 Isopropyl Acetate  
 Concen: 50.954 ug/l  
 RT: 8.695 min Scan# 1149  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



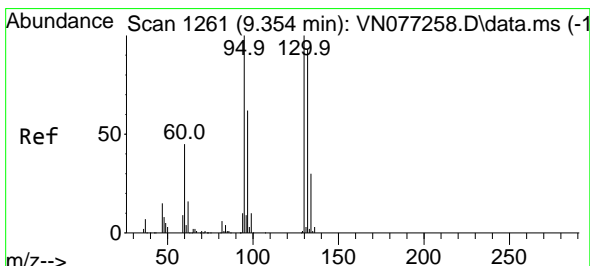
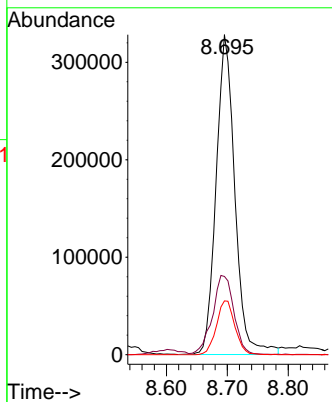
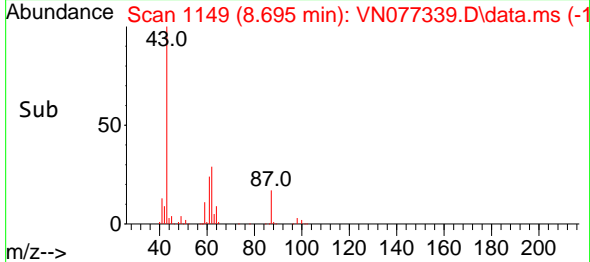
Tgt Ion: 43 Resp: 70192  
 Ion Ratio Lower Upper  
 43 100  
 61 28.1 22.7 34.1  
 87 16.6 13.6 20.4

Manual Integrations

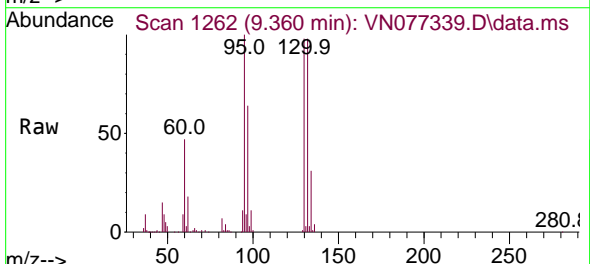
APPROVED

Reviewed By :John Carlone 04/14/2023

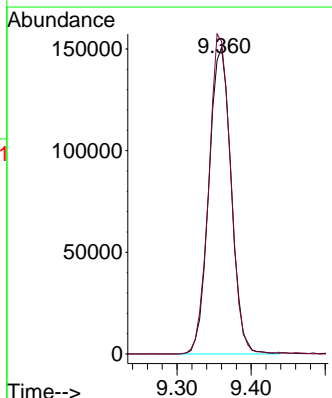
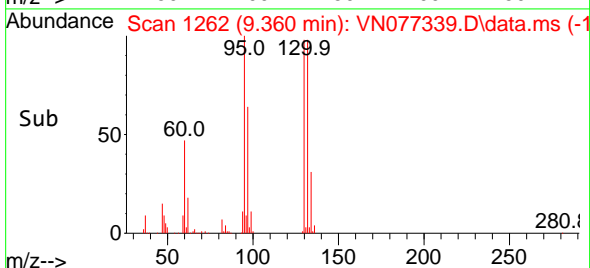
Supervised By :Mahesh Dadoda 04/14/2023

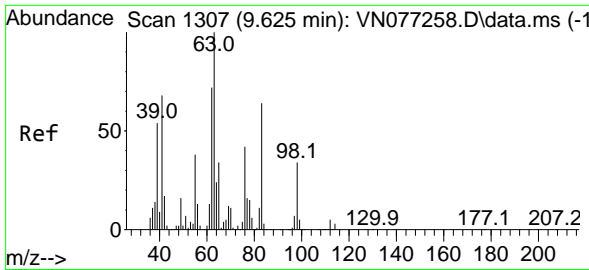


#44  
 Trichloroethene  
 Concen: 50.494 ug/l  
 RT: 9.360 min Scan# 1262  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:130 Resp: 314442  
 Ion Ratio Lower Upper  
 130 100  
 95 102.0 0.0 200.2





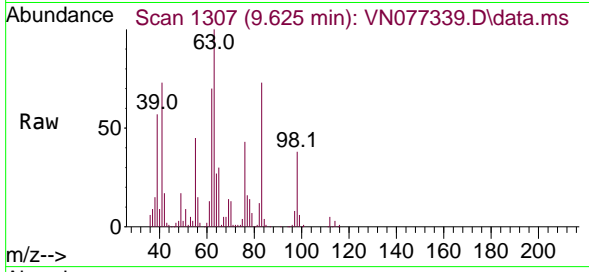
#45  
 1,2-Dichloropropane  
 Concen: 51.027 ug/l  
 RT: 9.625 min Scan# 1307  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



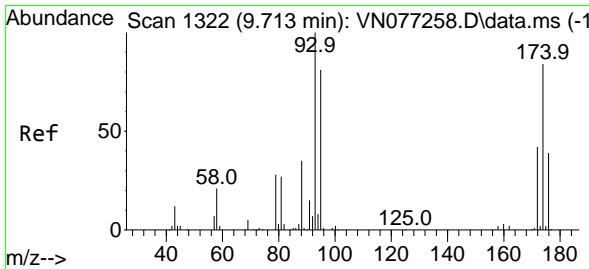
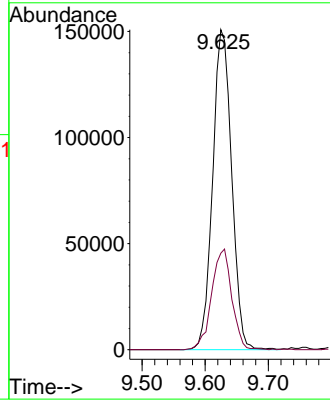
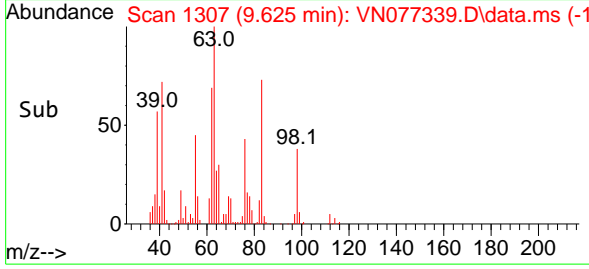
Tgt Ion: 63 Resp: 31540  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 27.1 40.7

Manual Integrations

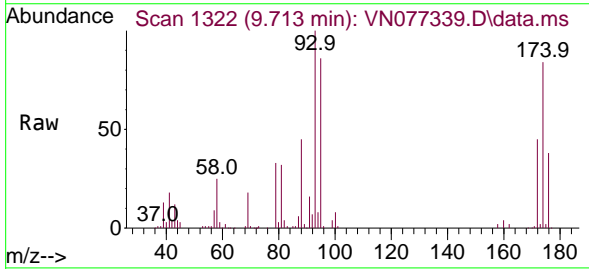
APPROVED

Reviewed By :John Carlone 04/14/2023

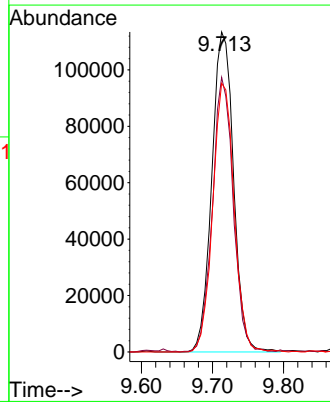
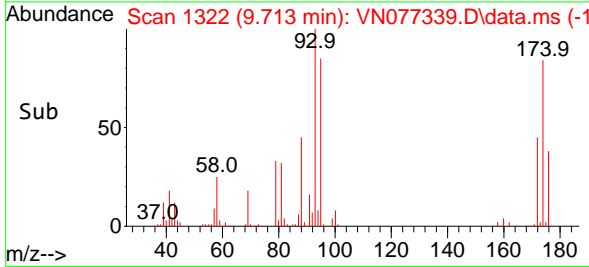
Supervised By :Mahesh Dadoda 04/14/2023

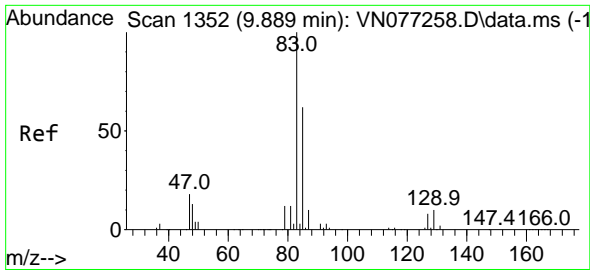


#46  
 Dibromomethane  
 Concen: 51.714 ug/l  
 RT: 9.713 min Scan# 1322  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 93 Resp: 240834  
 Ion Ratio Lower Upper  
 93 100  
 95 82.4 65.8 98.6  
 174 82.8 66.0 99.0





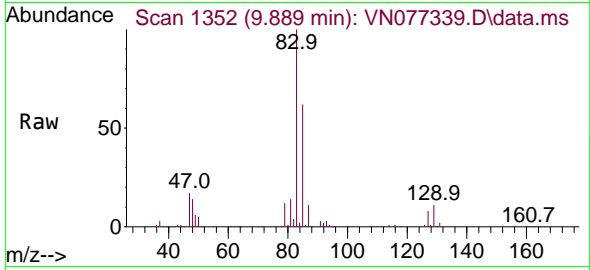
#47  
 Bromodichloromethane  
 Concen: 50.410 ug/l  
 RT: 9.889 min Scan# 1352  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



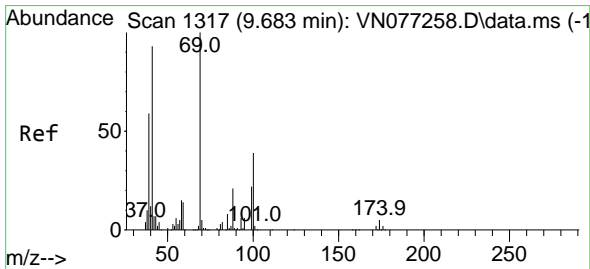
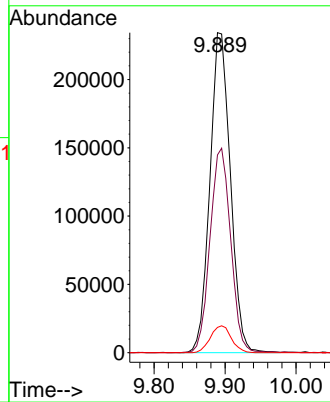
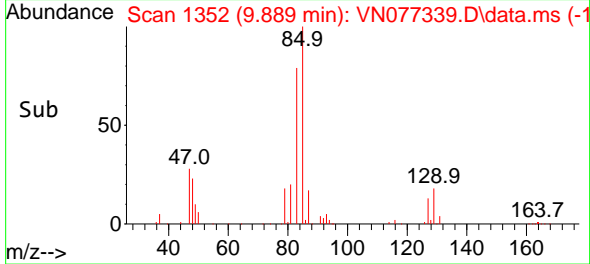
Tgt Ion: 83 Resp: 46923  
 Ion Ratio Lower Upper  
 83 100  
 85 61.8 49.8 74.8  
 127 7.9 6.2 9.2

Manual Integrations

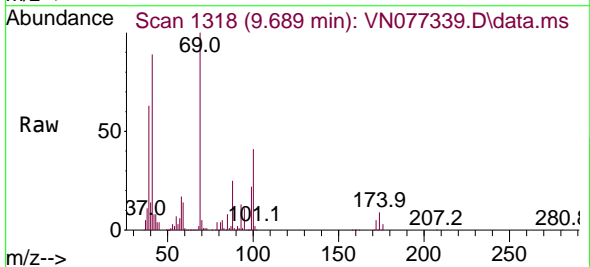
APPROVED

Reviewed By :John Carlone 04/14/2023

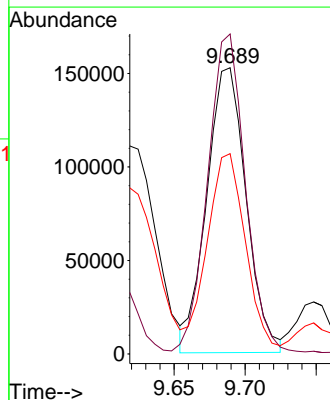
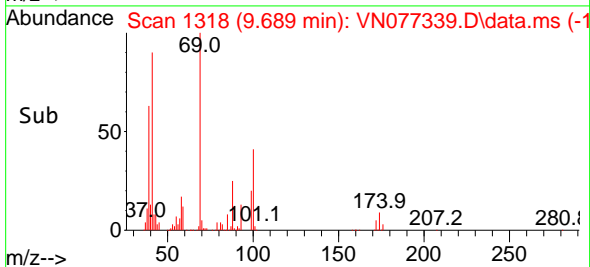
Supervised By :Mahesh Dadoda 04/14/2023

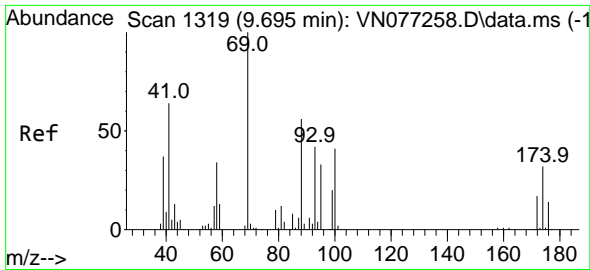


#48  
 Methyl methacrylate  
 Concen: 50.112 ug/l  
 RT: 9.689 min Scan# 1318  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



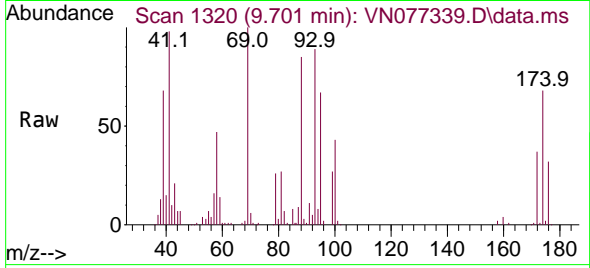
Tgt Ion: 41 Resp: 294488  
 Ion Ratio Lower Upper  
 41 100  
 69 108.1 85.0 127.6  
 39 69.2 53.5 80.3





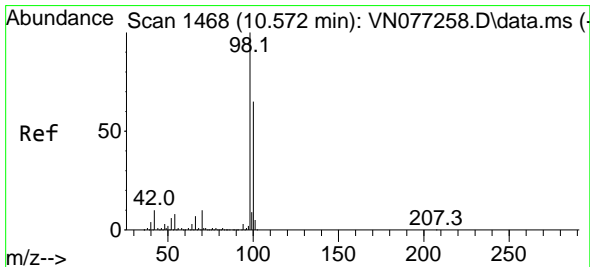
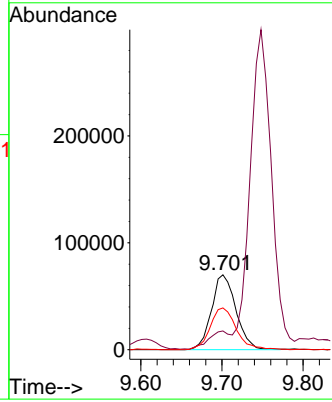
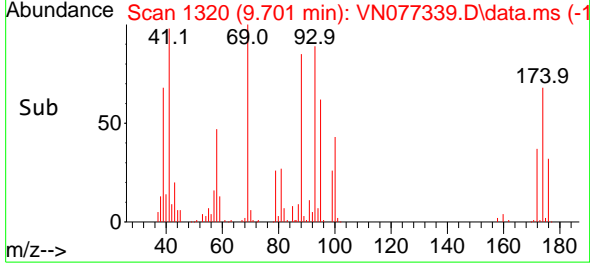
#49  
 1,4-Dioxane  
 Concen: 1029.828 ug/l  
 RT: 9.701 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC

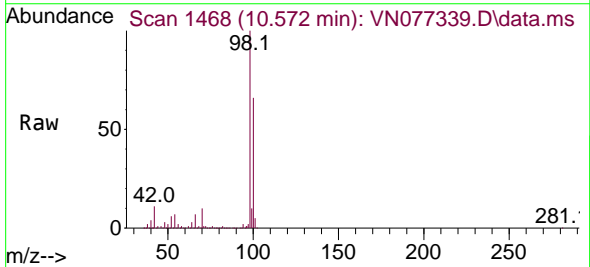


Tgt Ion: 88 Resp: 146724  
 Ion Ratio Lower Upper  
 88 100  
 43 22.7 17.0 25.6  
 58 59.5 49.8 74.6

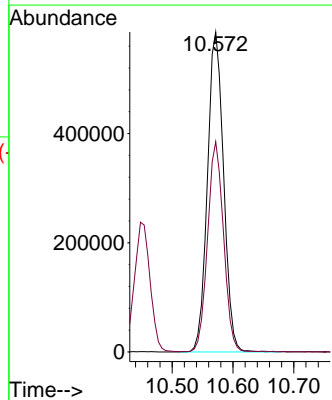
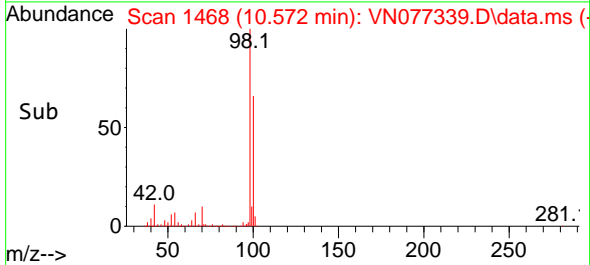
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

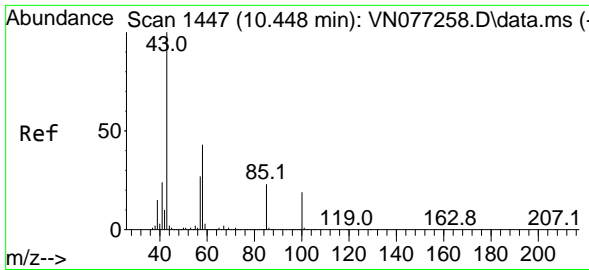


#50  
 Toluene-d8  
 Concen: 47.564 ug/l  
 RT: 10.572 min Scan# 1468  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 98 Resp: 1080263  
 Ion Ratio Lower Upper  
 98 100  
 100 65.2 51.3 76.9





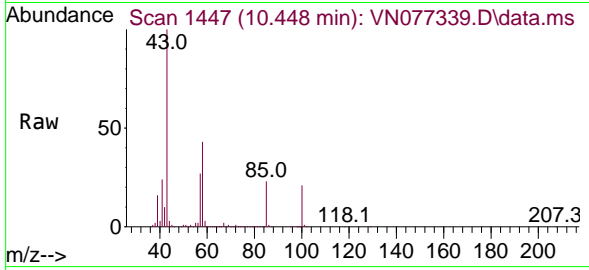
#51  
 4-Methyl-2-Pentanone  
 Concen: 255.865 ug/l  
 RT: 10.448 min Scan# 1447  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



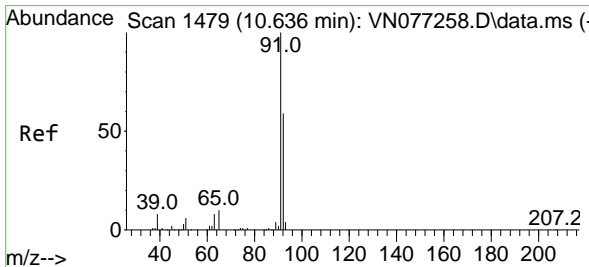
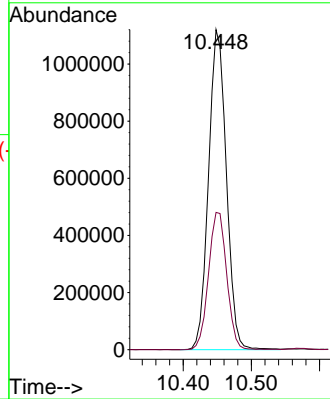
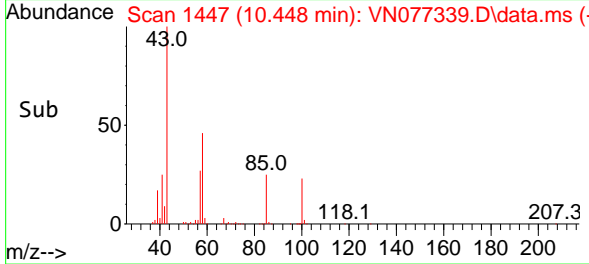
Tgt Ion: 43 Resp: 2037360  
 Ion Ratio Lower Upper  
 43 100  
 58 43.9 34.6 52.0

Manual Integrations

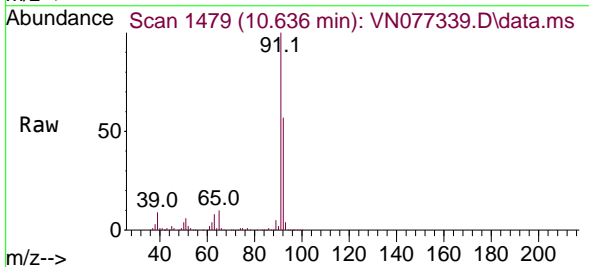
APPROVED

Reviewed By :John Carlone 04/14/2023

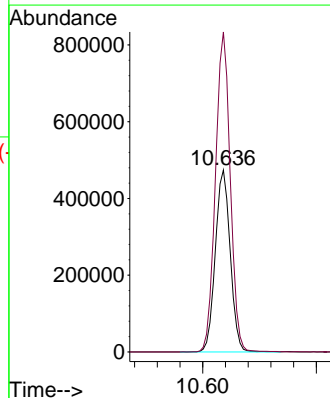
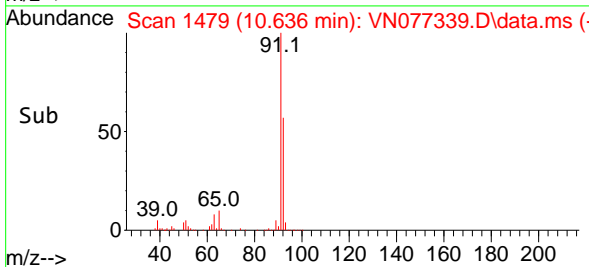
Supervised By :Mahesh Dadoda 04/14/2023

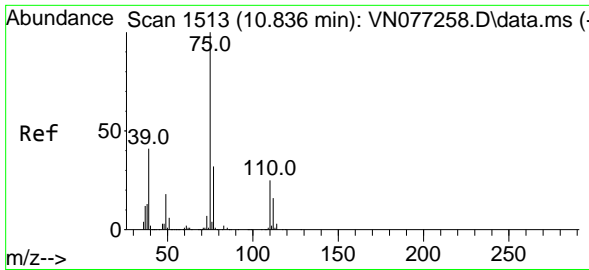


#52  
 Toluene  
 Concen: 50.666 ug/l  
 RT: 10.636 min Scan# 1479  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 92 Resp: 863104  
 Ion Ratio Lower Upper  
 92 100  
 91 175.1 138.0 207.0





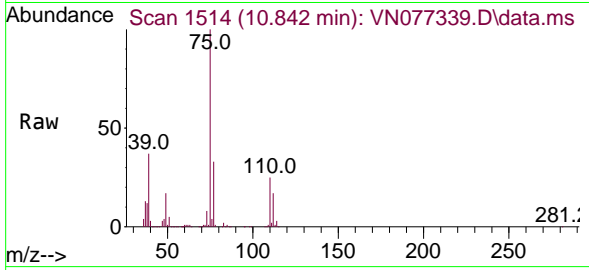
#53  
 t-1,3-Dichloropropene  
 Concen: 51.141 ug/l  
 RT: 10.842 min Scan# 1514  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

Client Sample Id :

VSTDCCC050EC



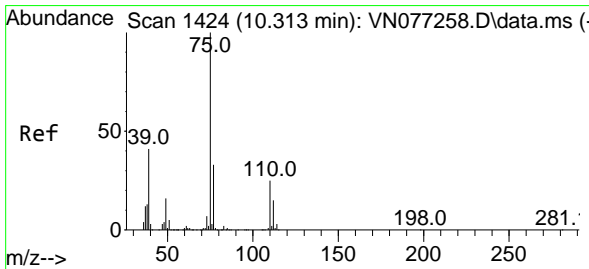
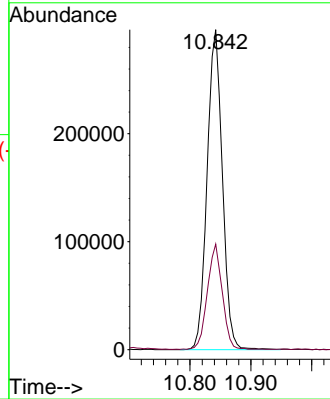
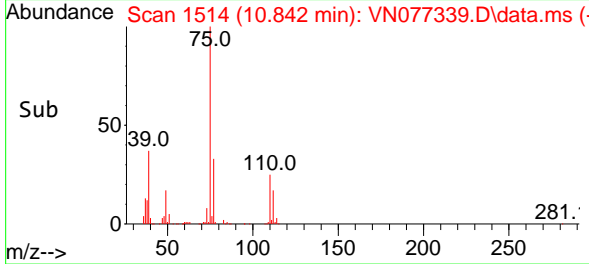
Tgt Ion: 75 Resp: 51692  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 25.4 38.0

Manual Integrations

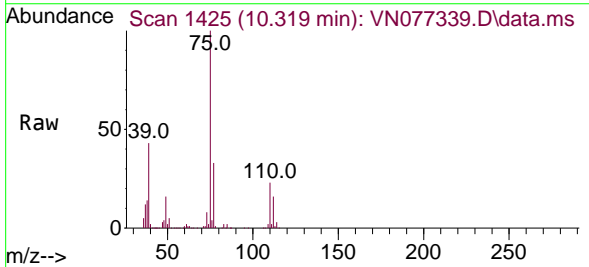
APPROVED

Reviewed By :John Carlone 04/14/2023

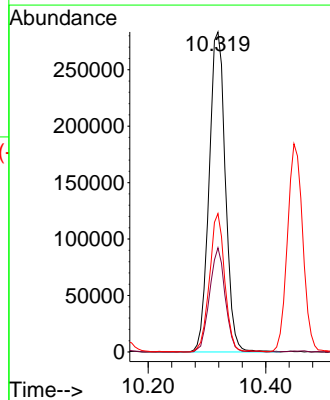
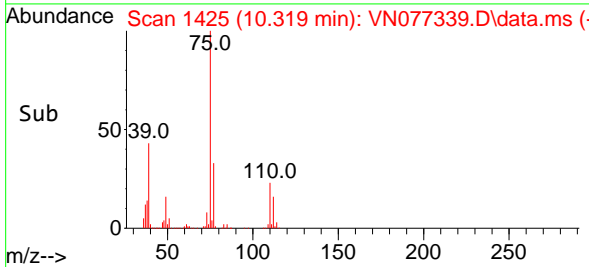
Supervised By :Mahesh Dadoda 04/14/2023

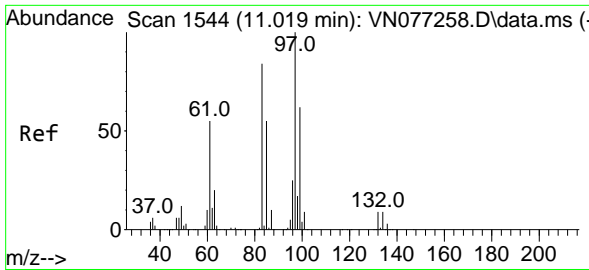


#54  
 cis-1,3-Dichloropropene  
 Concen: 50.562 ug/l  
 RT: 10.319 min Scan# 1425  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 75 Resp: 544383  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 26.7 40.1  
 39 43.1 32.8 49.2





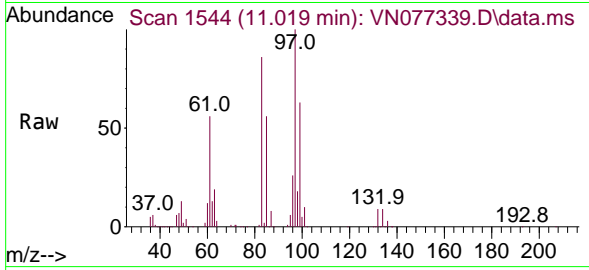
#55  
 1,1,2-Trichloroethane  
 Concen: 51.253 ug/l  
 RT: 11.019 min Scan# 1544  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



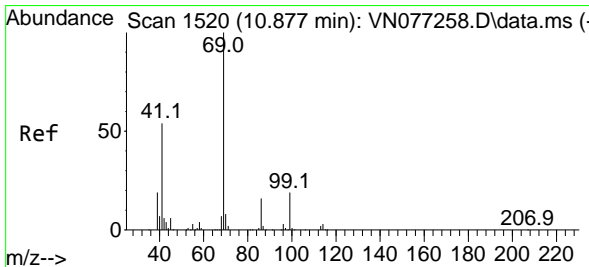
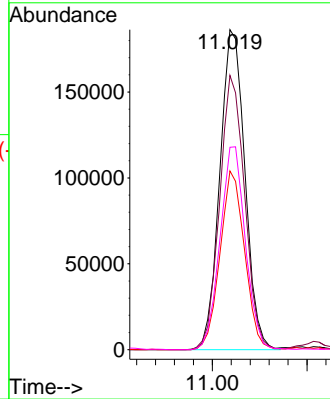
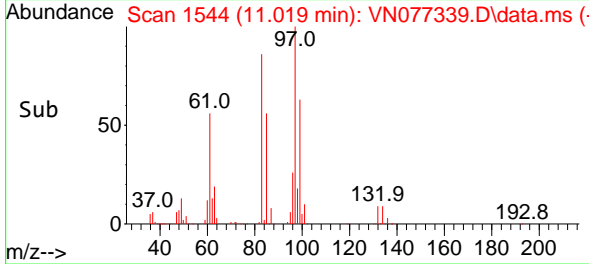
Tgt Ion: 97 Resp: 342730  
 Ion Ratio Lower Upper  
 97 100  
 83 85.7 67.4 101.2  
 85 55.9 44.1 66.1  
 99 63.2 49.8 74.6

Manual Integrations

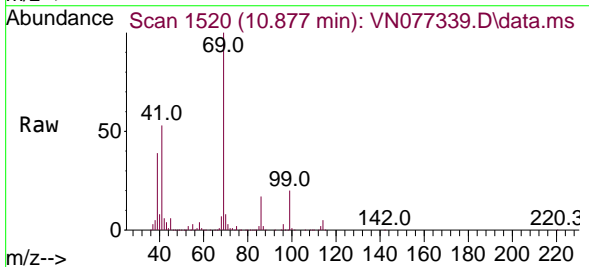
APPROVED

Reviewed By :John Carlone 04/14/2023

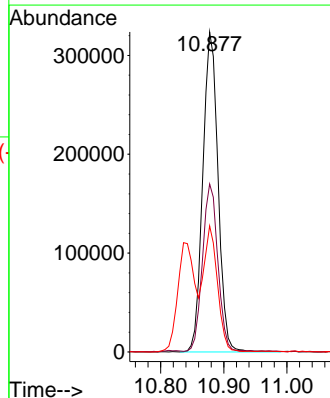
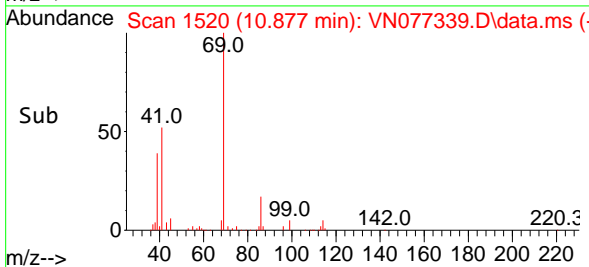
Supervised By :Mahesh Dadoda 04/14/2023



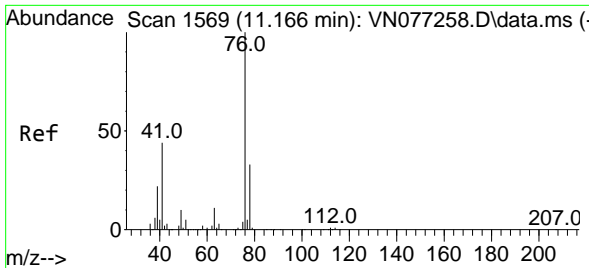
#56  
 Ethyl methacrylate  
 Concen: 52.235 ug/l  
 RT: 10.877 min Scan# 1520  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 69 Resp: 544066  
 Ion Ratio Lower Upper  
 69 100  
 41 52.6 42.8 64.2  
 39 35.5 27.0 40.4

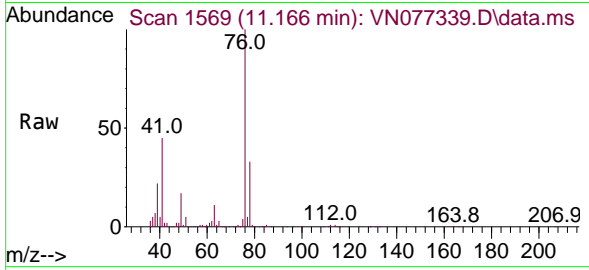






#57  
 1,3-Dichloropropane  
 Concen: 52.555 ug/l  
 RT: 11.166 min Scan# 1569  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

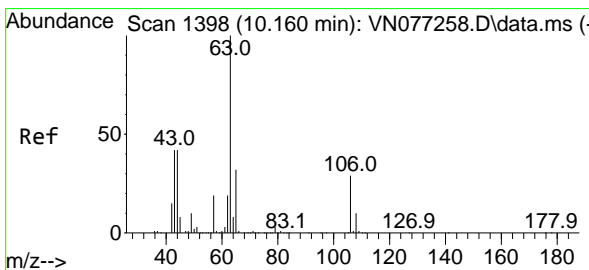
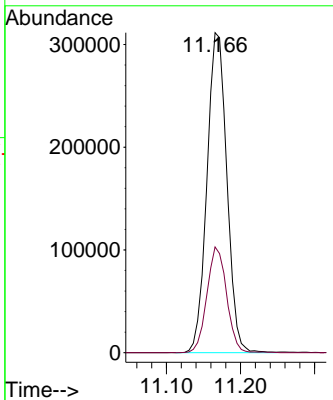
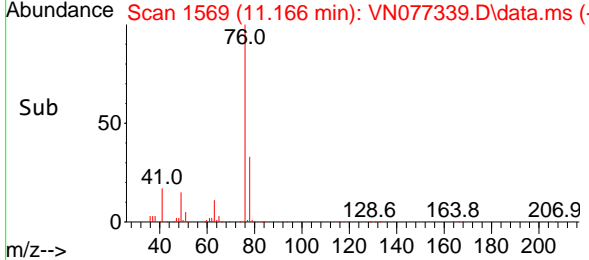
**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC050EC



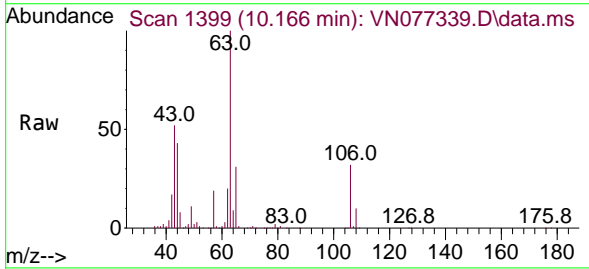
Tgt Ion: 76 Resp: 58062  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 26.2 39.4

**Manual Integrations**  
**APPROVED**

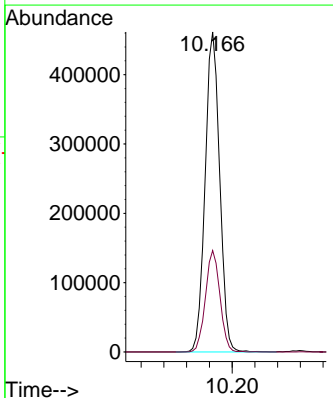
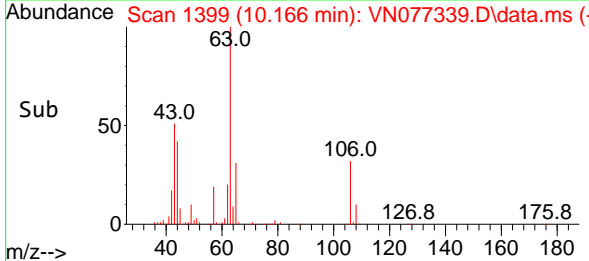
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

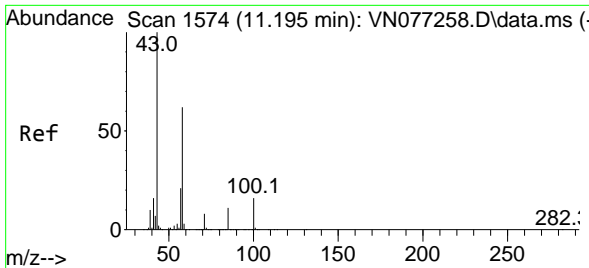


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 263.362 ug/l  
 RT: 10.166 min Scan# 1399  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



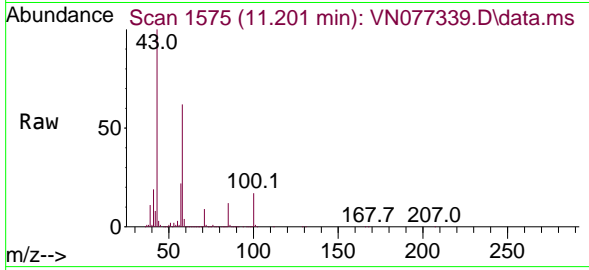
Tgt Ion: 63 Resp: 816566  
 Ion Ratio Lower Upper  
 63 100  
 106 31.6 24.1 36.1





#59  
 2-Hexanone  
 Concen: 251.954 ug/l  
 RT: 11.201 min Scan# 111  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

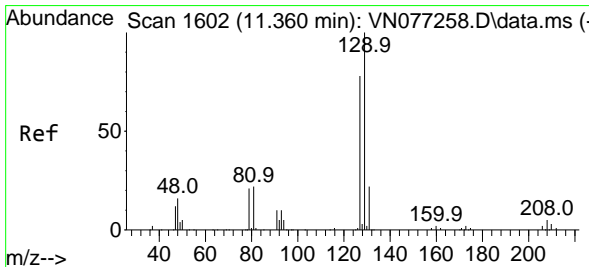
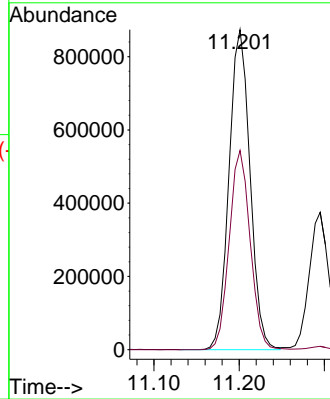
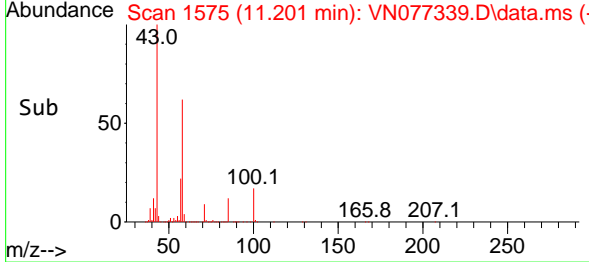
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



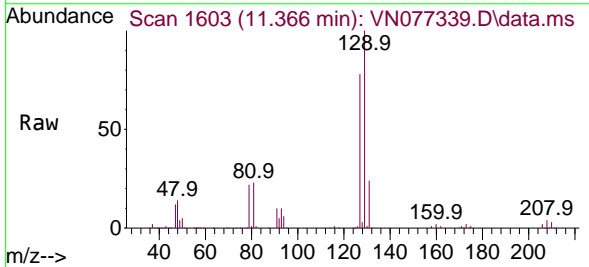
Tgt Ion: 43 Resp: 149463  
 Ion Ratio Lower Upper  
 43 100  
 58 62.1 30.9 92.5

Manual Integrations  
**APPROVED**

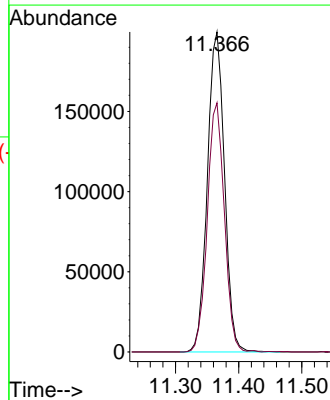
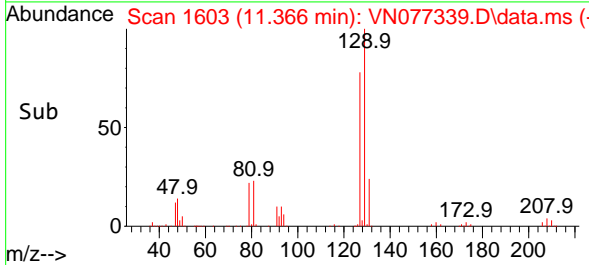
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

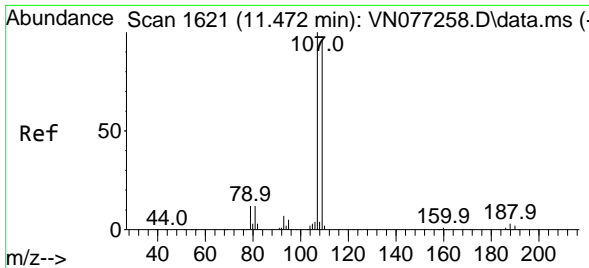


#60  
 Dibromochloromethane  
 Concen: 54.506 ug/l  
 RT: 11.366 min Scan# 1603  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



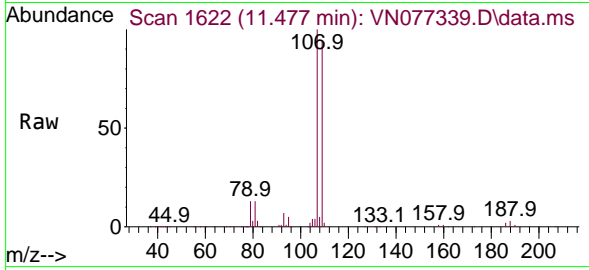
Tgt Ion:129 Resp: 375391  
 Ion Ratio Lower Upper  
 129 100  
 127 77.7 38.1 114.5





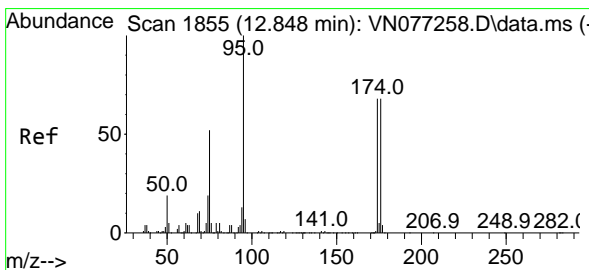
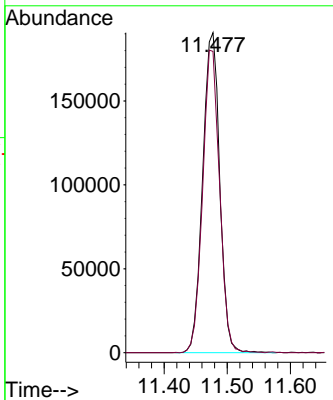
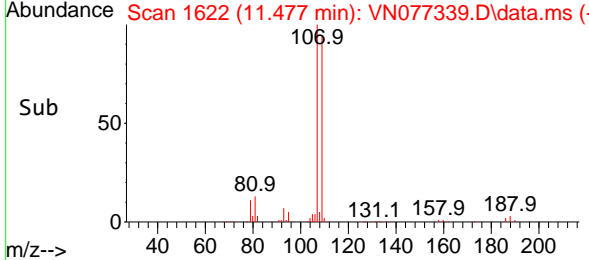
#61  
 1,2-Dibromoethane  
 Concen: 53.501 ug/l  
 RT: 11.477 min Scan# 107  
 Delta R.T. 0.005 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

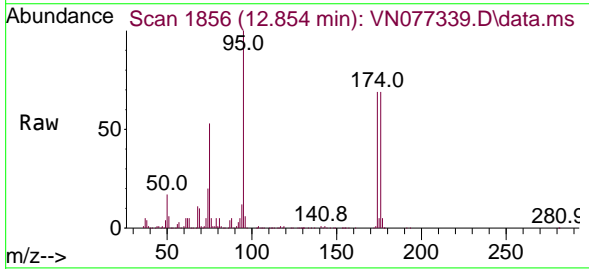


Tgt Ion: 107 Resp: 357098  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 75.2 112.8

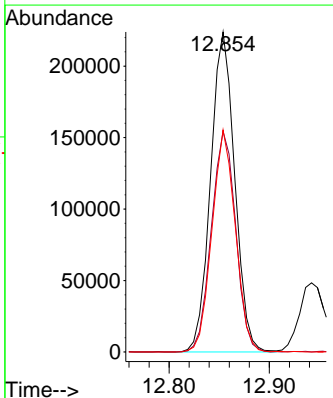
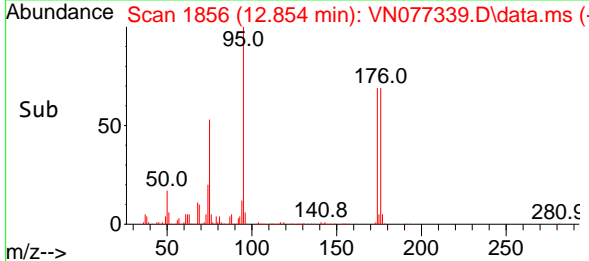
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 04/14/2023  
 Supervised By : Mahesh Dadoda 04/14/2023

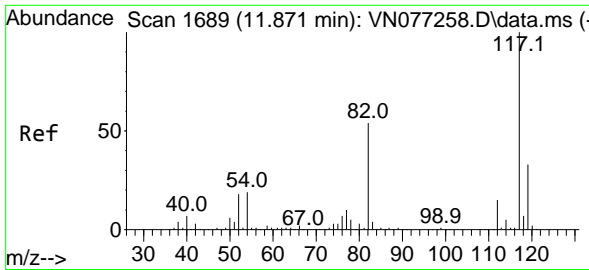


#62  
 4-Bromofluorobenzene  
 Concen: 49.505 ug/l  
 RT: 12.854 min Scan# 1856  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



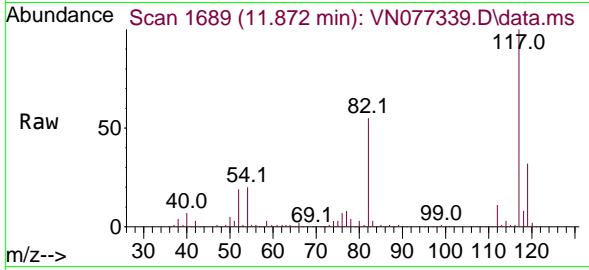
Tgt Ion: 95 Resp: 373942  
 Ion Ratio Lower Upper  
 95 100  
 174 69.5 0.0 146.8  
 176 67.4 0.0 139.6





#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.872 min Scan# 10  
 Delta R.T. 0.001 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

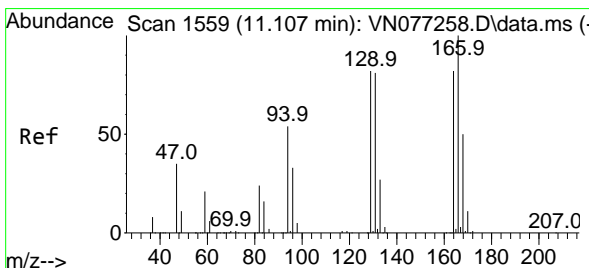
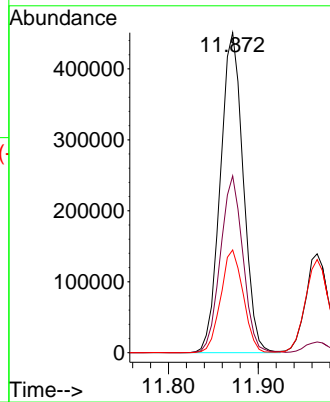
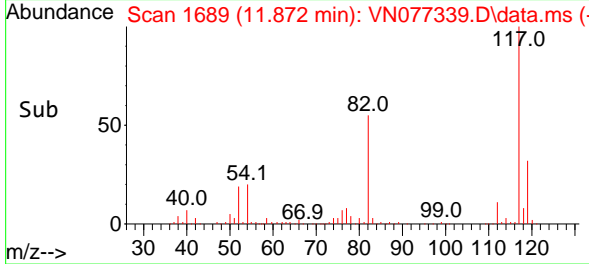
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



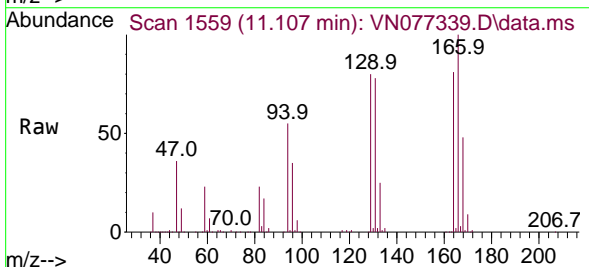
Tgt Ion:117 Resp: 799210  
 Ion Ratio Lower Upper  
 117 100  
 82 55.3 42.9 64.3  
 119 32.1 26.2 39.4

Manual Integrations  
 APPROVED

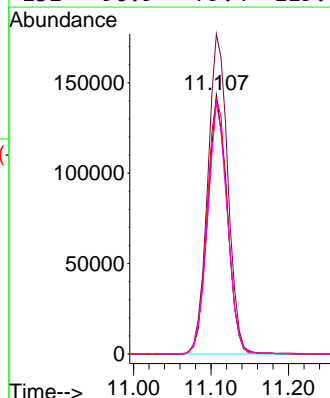
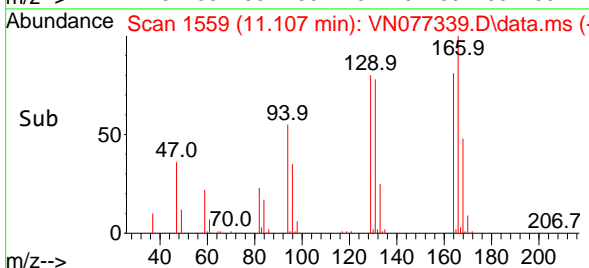
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

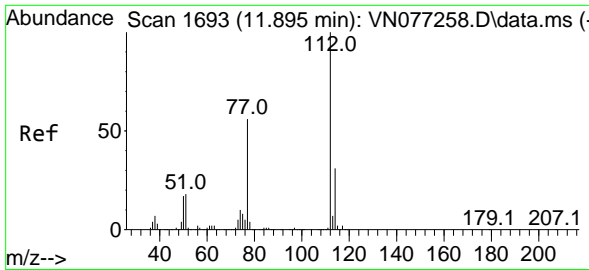


#64  
 Tetrachloroethene  
 Concen: 50.683 ug/l  
 RT: 11.107 min Scan# 1559  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:164 Resp: 250232  
 Ion Ratio Lower Upper  
 164 100  
 166 123.6 97.8 146.6  
 129 98.8 80.1 120.1  
 131 96.9 79.4 119.0





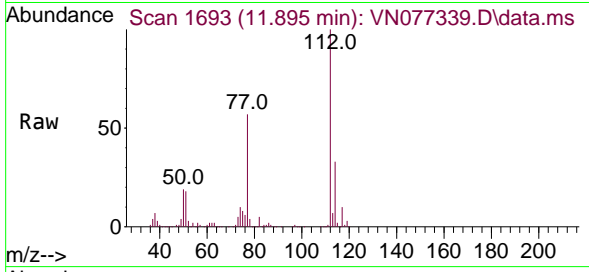
#65  
 Chlorobenzene  
 Concen: 51.937 ug/l  
 RT: 11.895 min Scan# 1693  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



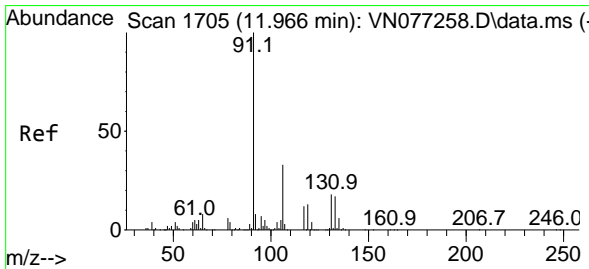
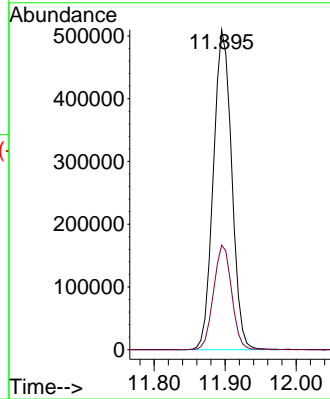
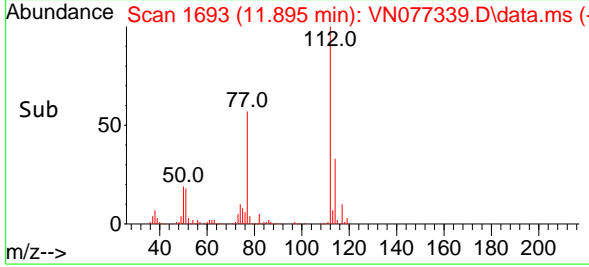
Tgt Ion:112 Resp: 91386  
 Ion Ratio Lower Upper  
 112 100  
 114 32.7 24.6 36.8

Manual Integrations

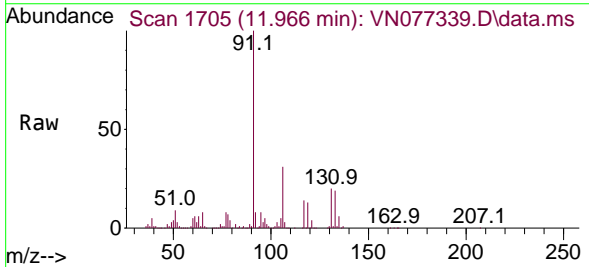
APPROVED

Reviewed By :John Carlone 04/14/2023

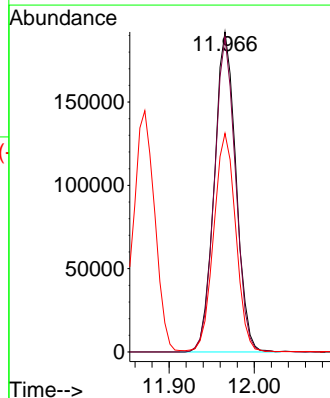
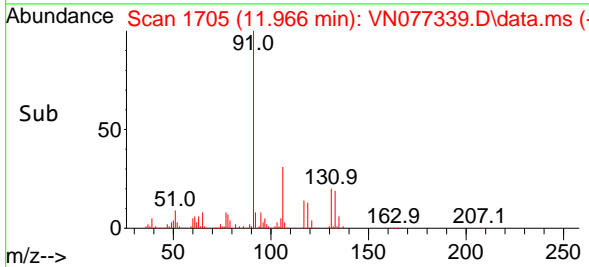
Supervised By :Mahesh Dadoda 04/14/2023

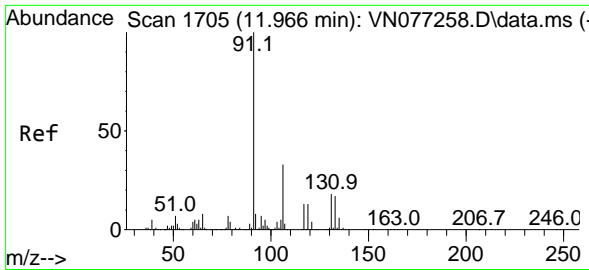


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 50.973 ug/l  
 RT: 11.966 min Scan# 1705  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



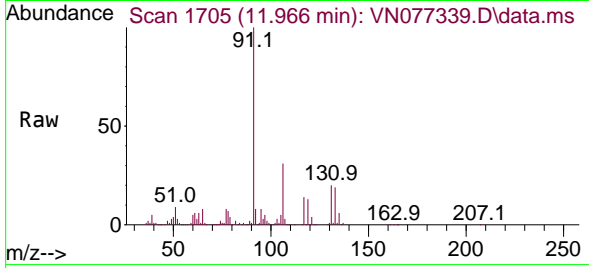
Tgt Ion:131 Resp: 339363  
 Ion Ratio Lower Upper  
 131 100  
 133 96.2 46.9 140.6  
 119 69.3 34.0 102.0





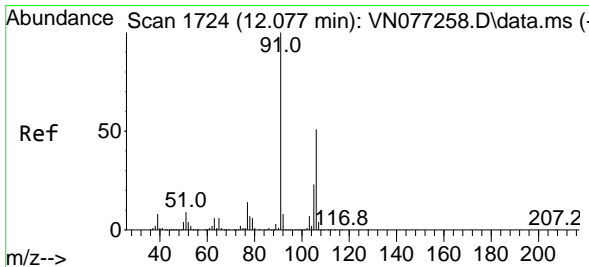
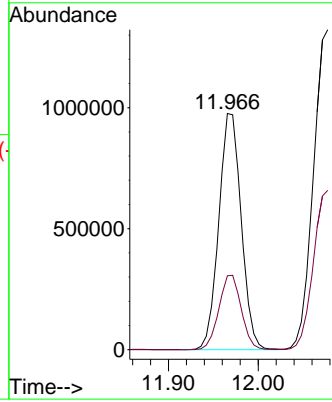
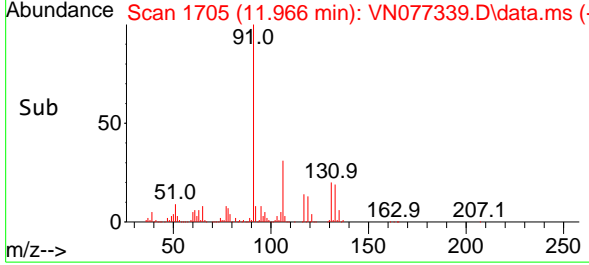
#67  
 Ethyl Benzene  
 Concen: 52.191 ug/l  
 RT: 11.966 min Scan# 1705  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC

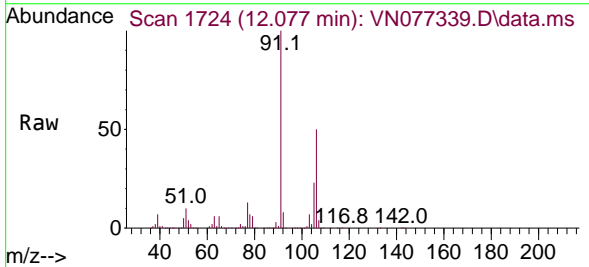


Tgt Ion: 91 Resp: 1694610  
 Ion Ratio Lower Upper  
 91 100  
 106 31.3 26.2 39.2

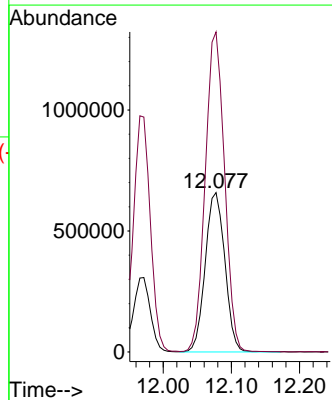
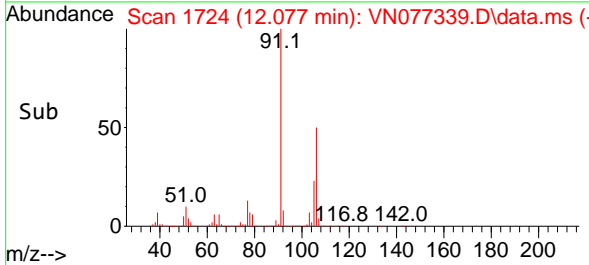
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

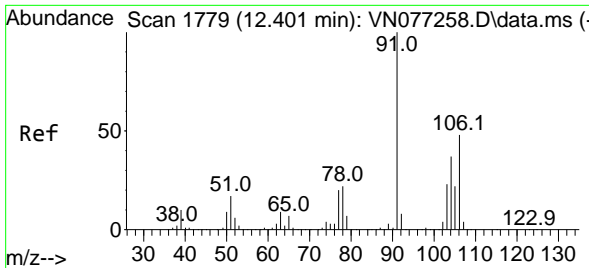


#68  
 m/p-Xylenes  
 Concen: 103.181 ug/l  
 RT: 12.077 min Scan# 1724  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



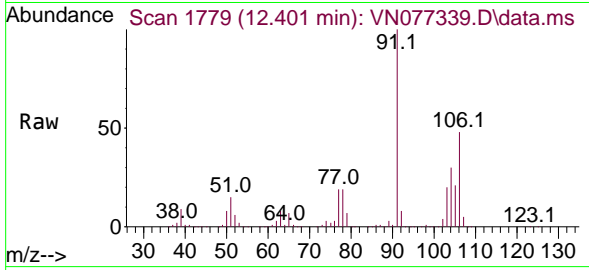
Tgt Ion:106 Resp: 1316367  
 Ion Ratio Lower Upper  
 106 100  
 91 198.0 158.7 238.1





#69  
 o-Xylene  
 Concen: 52.513 ug/l  
 RT: 12.401 min Scan# 1779  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

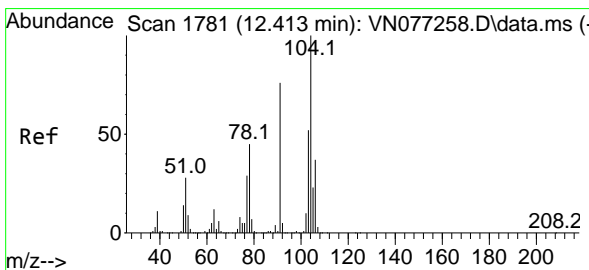
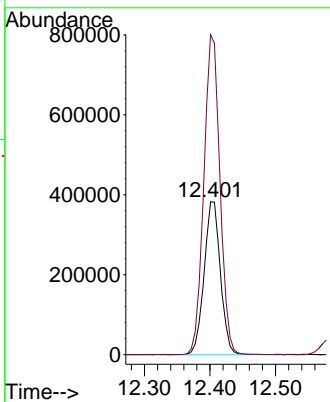
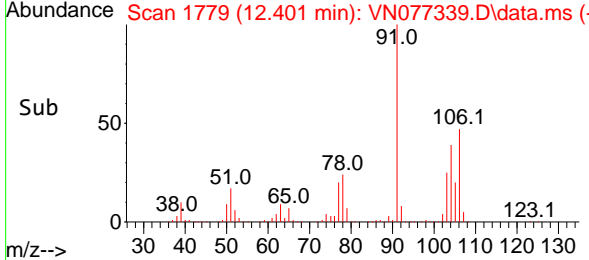
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



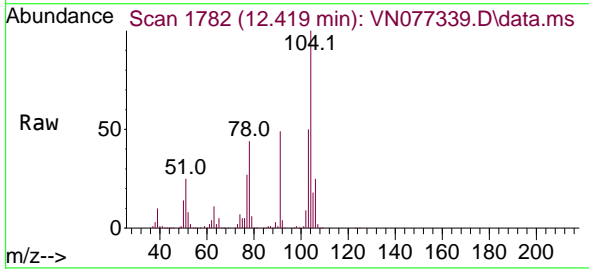
Tgt Ion:106 Resp: 660920  
 Ion Ratio Lower Upper  
 106 100  
 91 207.6 104.0 312.0

Manual Integrations  
 APPROVED

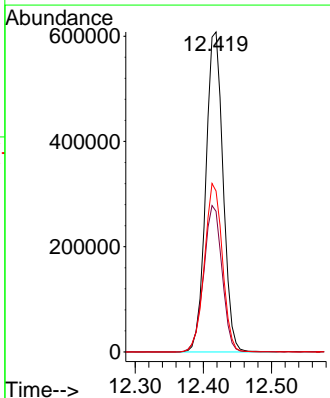
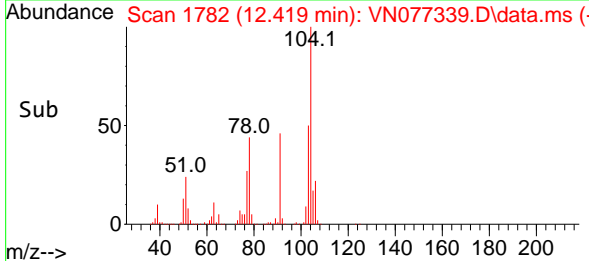
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

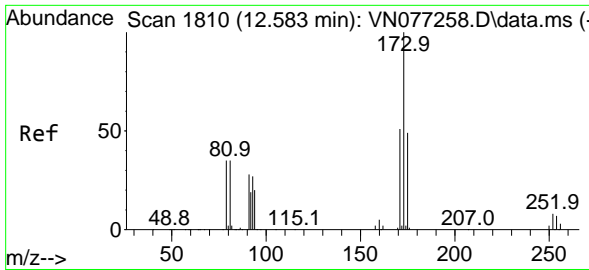


#70  
 Styrene  
 Concen: 52.813 ug/l  
 RT: 12.419 min Scan# 1782  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



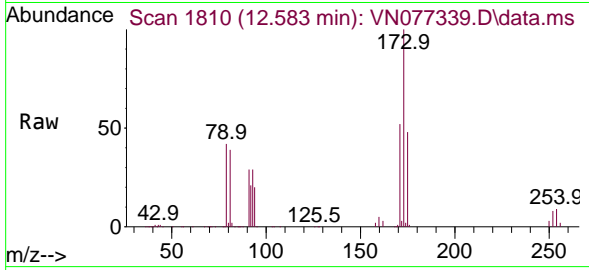
Tgt Ion:104 Resp: 1069669  
 Ion Ratio Lower Upper  
 104 100  
 78 48.7 38.0 57.0  
 103 54.9 43.1 64.7





#71  
 Bromoform  
 Concen: 53.494 ug/l  
 RT: 12.583 min Scan# 1810  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

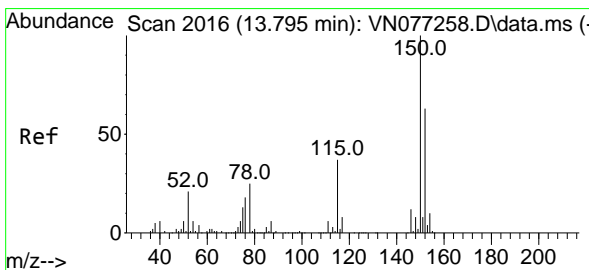
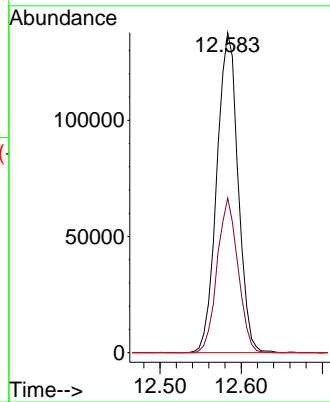
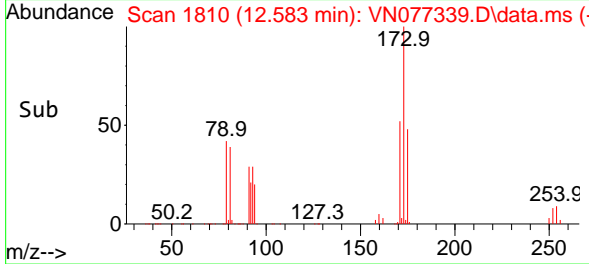
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



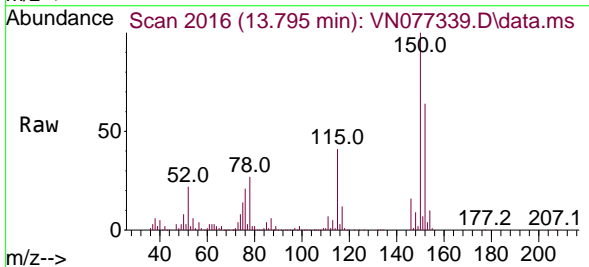
Tgt Ion:173 Resp: 250700  
 Ion Ratio Lower Upper  
 173 100  
 175 47.3 24.1 72.4  
 254 0.0 0.1 0.1

Manual Integrations  
 APPROVED

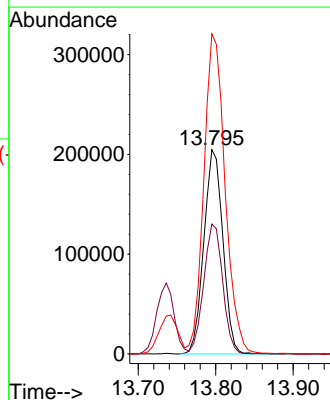
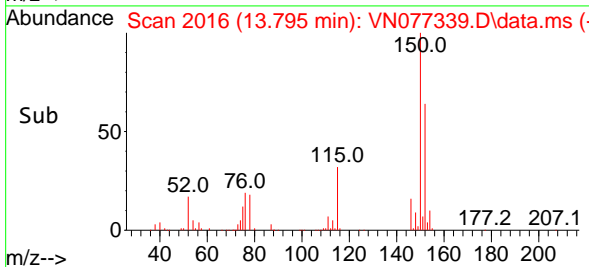
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023



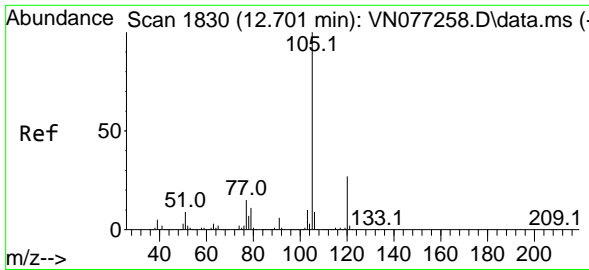
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.795 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:152 Resp: 349427  
 Ion Ratio Lower Upper  
 152 100  
 115 62.9 32.1 96.3  
 150 174.5 0.0 354.8

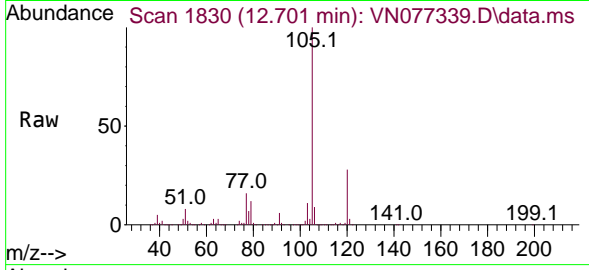






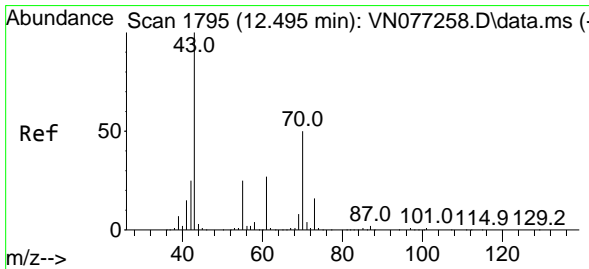
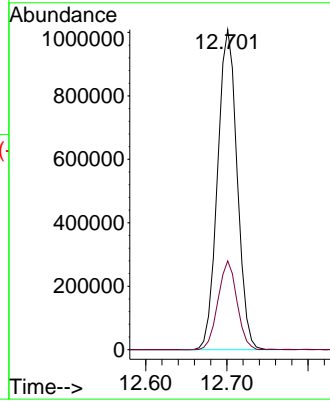
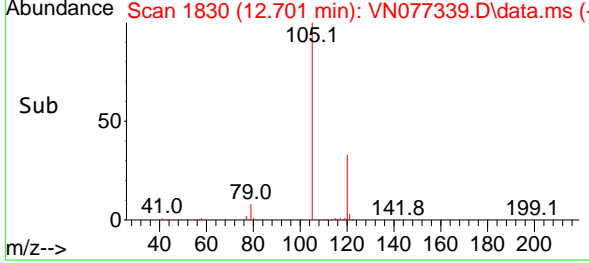
#73  
 Isopropylbenzene  
 Concen: 49.875 ug/l  
 RT: 12.701 min Scan# 1830  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

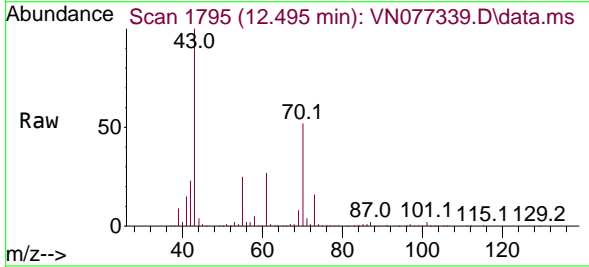


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 Ion Ratio Lower Upper  
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 120 26.9 13.2 39.6

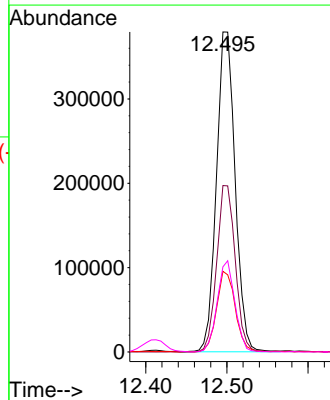
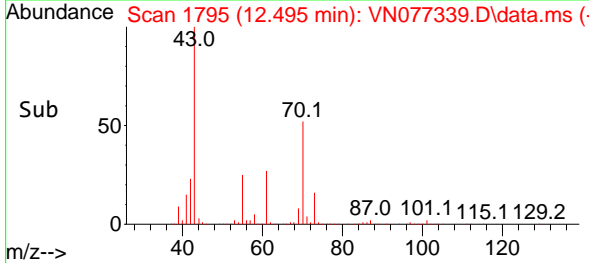
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 04/14/2023  
 Supervised By : Mahesh Dadoda 04/14/2023

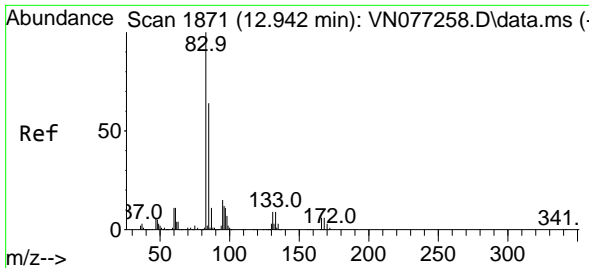


#74  
 N-amy1 acetate  
 Concen: 47.302 ug/l  
 RT: 12.495 min Scan# 1795  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



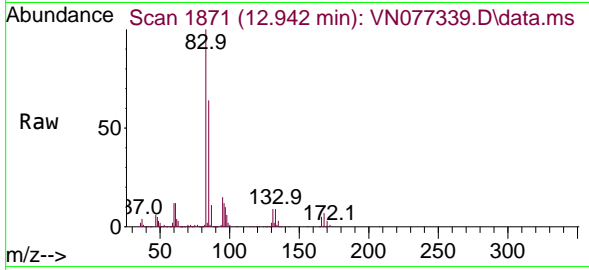
Tgt Ion: 43 Resp: 608396  
 Ion Ratio Lower Upper  
 43 100  
 70 51.6 41.0 61.6  
 55 25.3 19.3 28.9  
 61 27.1 22.0 33.0





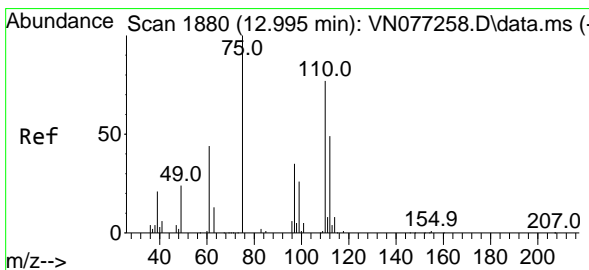
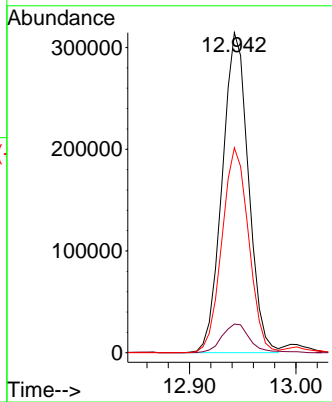
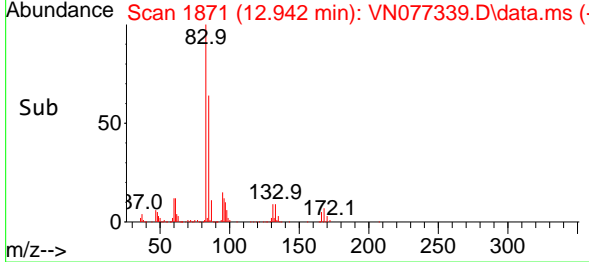
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 50.538 ug/l  
 RT: 12.942 min Scan# 1871  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VSTDCCC050EC

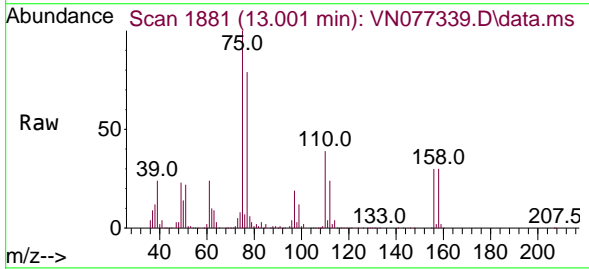


Tgt Ion: 83 Resp: 53828  
 Ion Ratio Lower Upper  
 83 100  
 131 9.6 4.9 14.6  
 85 65.1 32.1 96.3

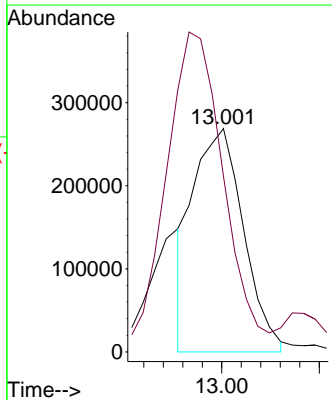
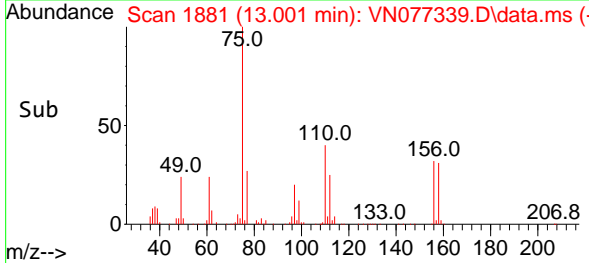
**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

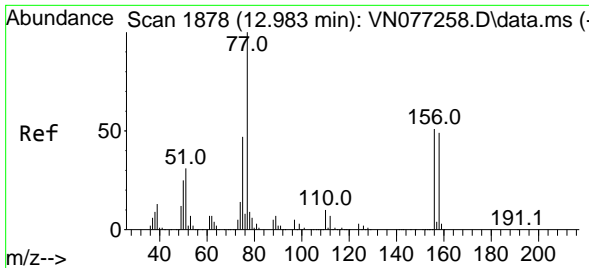


#76  
 1,2,3-Trichloropropane  
 Concen: 58.108 ug/l m  
 RT: 13.001 min Scan# 1881  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



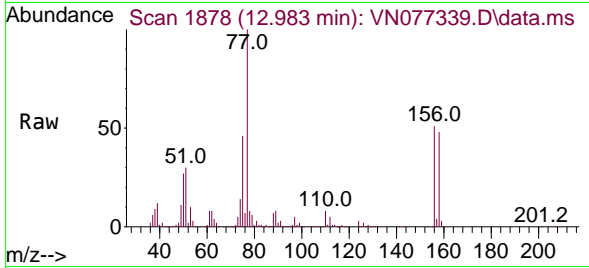
Tgt Ion: 75 Resp: 483503  
 Ion Ratio Lower Upper  
 75 100  
 77 163.7 88.3 264.9





#77  
 Bromobenzene  
 Concen: 51.164 ug/l  
 RT: 12.983 min Scan# 1878  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

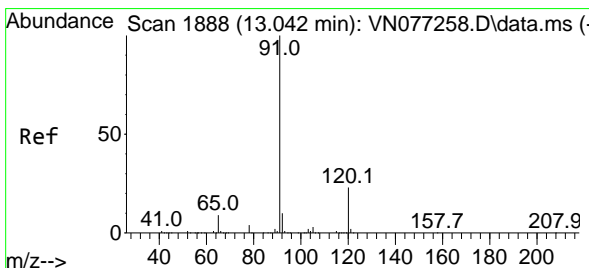
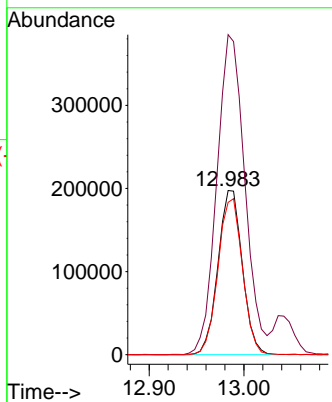
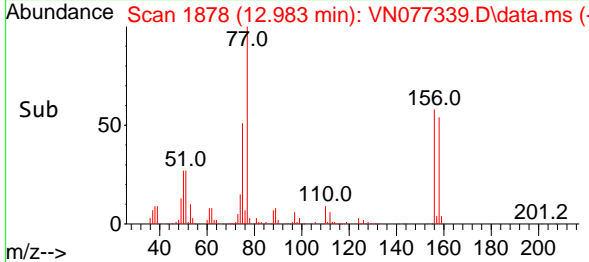
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC



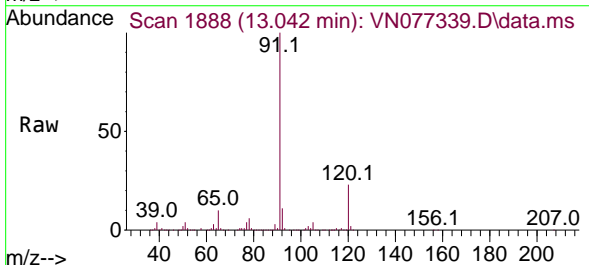
Tgt Ion:156 Resp: 353084  
 Ion Ratio Lower Upper  
 156 100  
 77 224.2 115.3 345.8  
 158 95.5 49.3 147.8

Manual Integrations  
 APPROVED

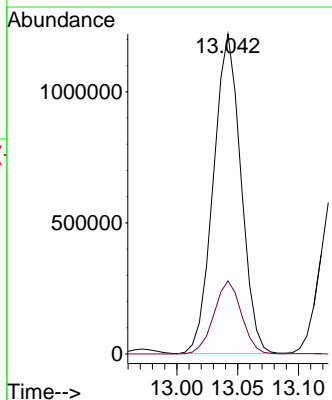
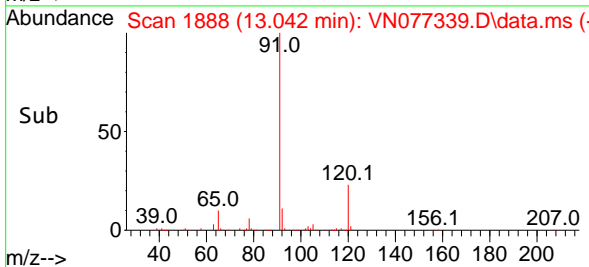
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

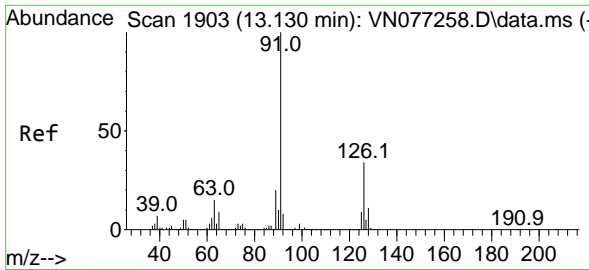


#78  
 n-propylbenzene  
 Concen: 51.107 ug/l  
 RT: 13.042 min Scan# 1888  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 91 Resp: 1916545  
 Ion Ratio Lower Upper  
 91 100  
 120 22.9 11.5 34.5





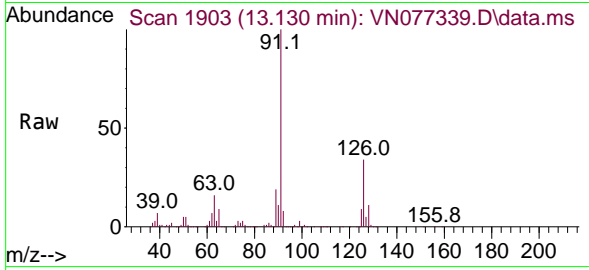
#79  
 2-Chlorotoluene  
 Concen: 49.505 ug/l  
 RT: 13.130 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



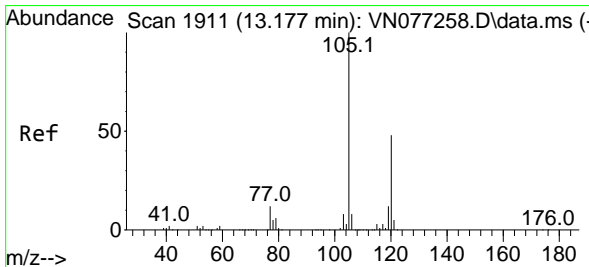
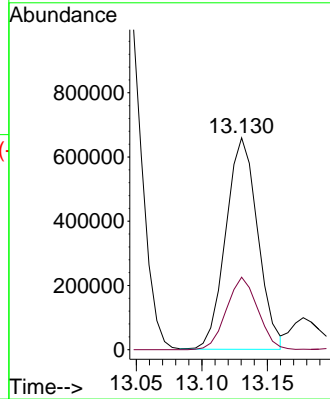
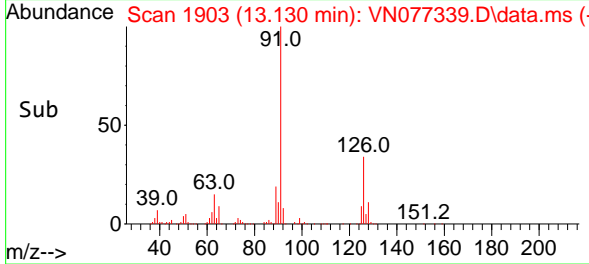
Tgt Ion: 91 Resp: 111783  
 Ion Ratio Lower Upper  
 91 100  
 126 33.6 16.8 50.4

Manual Integrations

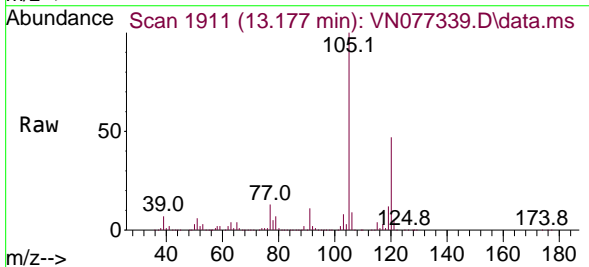
APPROVED

Reviewed By :John Carlone 04/14/2023

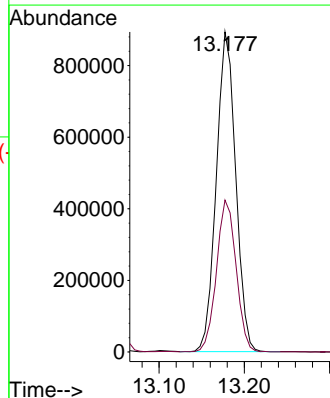
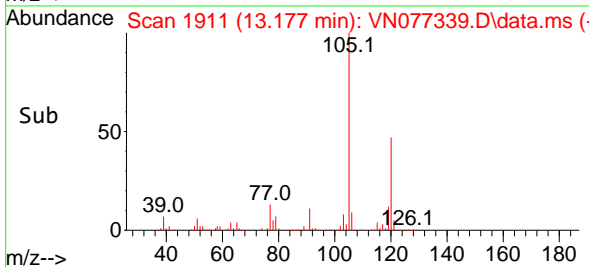
Supervised By :Mahesh Dadoda 04/14/2023

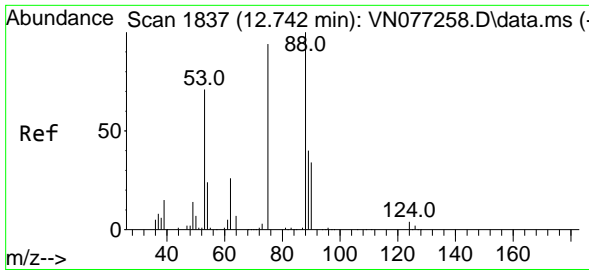


#80  
 1,3,5-Trimethylbenzene  
 Concen: 52.038 ug/l  
 RT: 13.177 min Scan# 1911  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



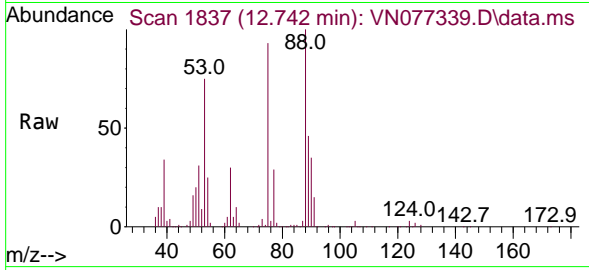
Tgt Ion:105 Resp: 1410645  
 Ion Ratio Lower Upper  
 105 100  
 120 48.0 24.3 73.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 46.318 ug/l  
 RT: 12.742 min Scan# 1837  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

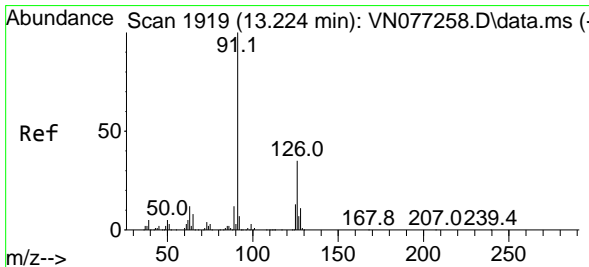
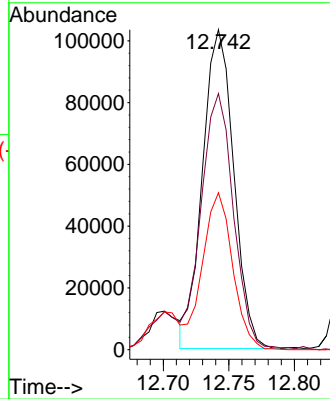
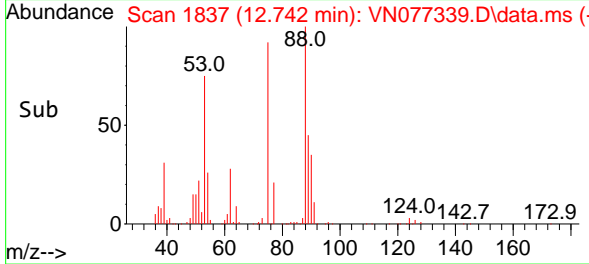
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



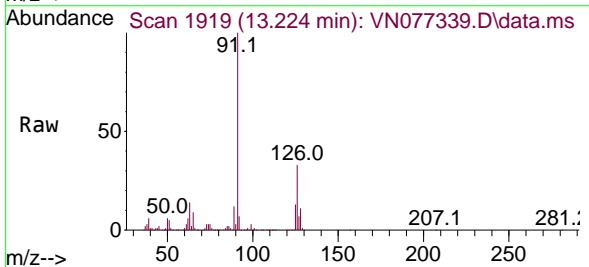
Tgt Ion: 75 Resp: 17126  
 Ion Ratio Lower Upper  
 75 100  
 53 82.8 72.8 109.2  
 89 48.0 37.4 56.2

Manual Integrations  
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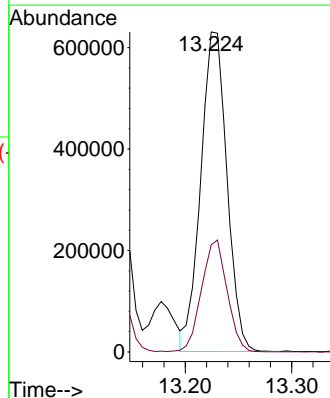
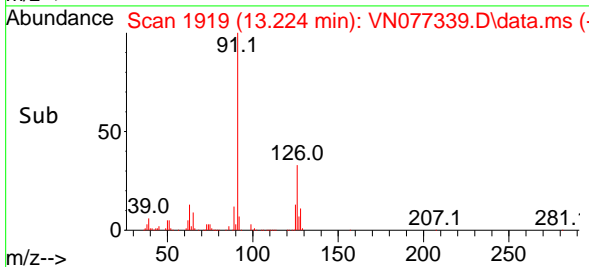
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

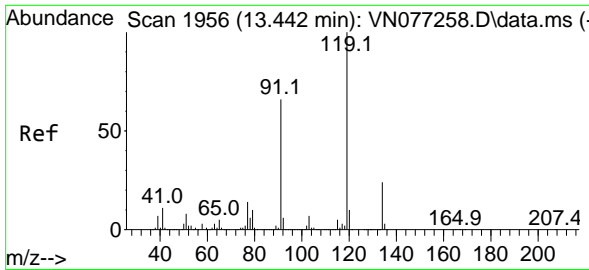


#82  
 4-Chlorotoluene  
 Concen: 50.731 ug/l  
 RT: 13.224 min Scan# 1919  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion: 91 Resp: 1080036  
 Ion Ratio Lower Upper  
 91 100  
 126 34.1 16.9 50.7





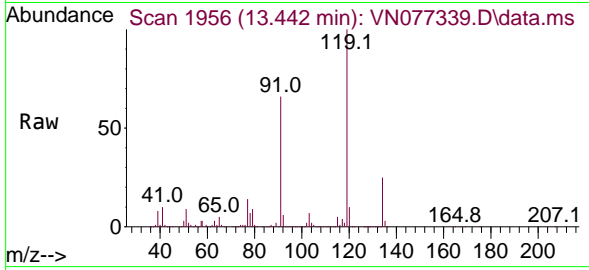
#83  
 tert-Butylbenzene  
 Concen: 51.682 ug/l  
 RT: 13.442 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



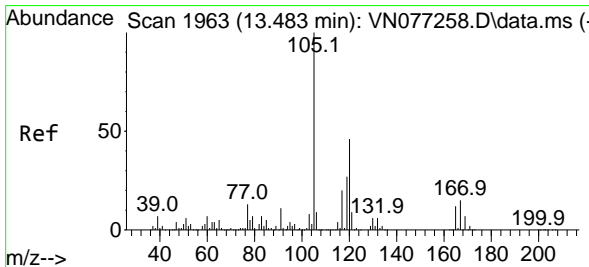
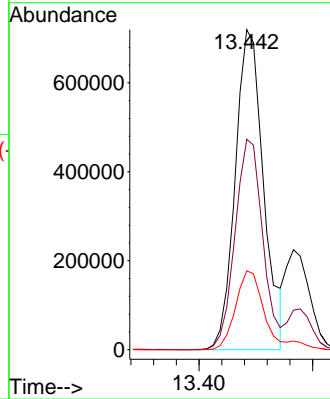
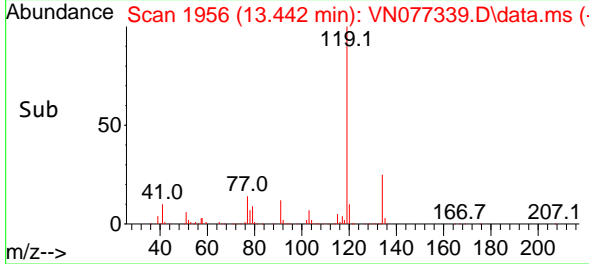
Tgt Ion:119 Resp: 124701  
 Ion Ratio Lower Upper  
 119 100  
 91 64.5 33.5 100.4  
 134 25.7 13.3 39.9

Manual Integrations

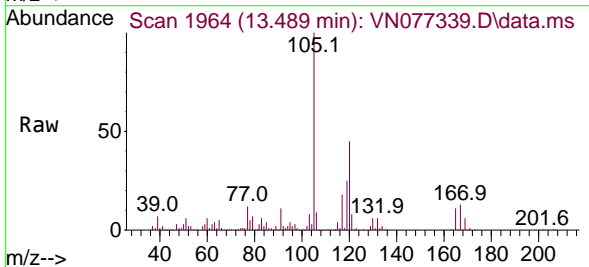
APPROVED

Reviewed By :John Carlone 04/14/2023

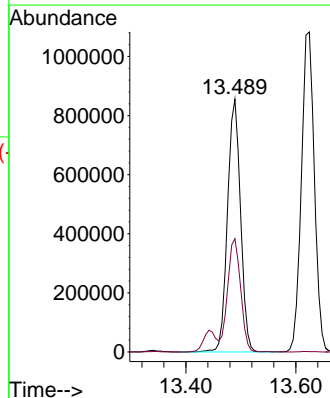
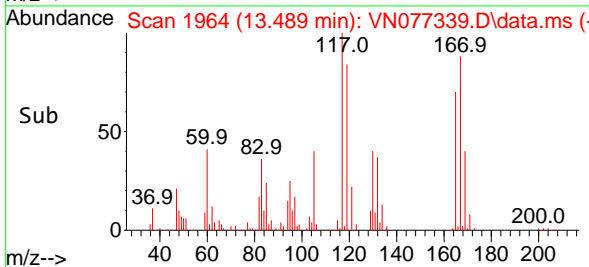
Supervised By :Mahesh Dadoda 04/14/2023

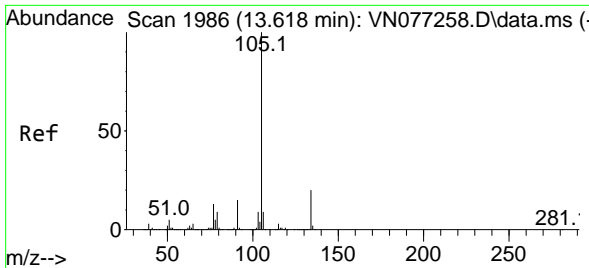


#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.673 ug/l  
 RT: 13.489 min Scan# 1964  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



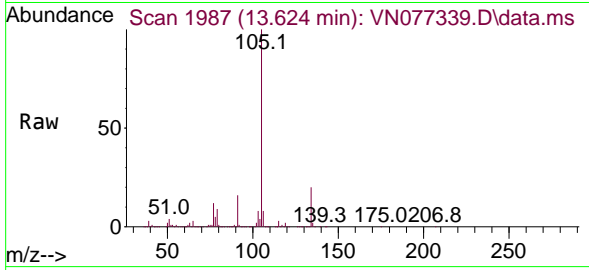
Tgt Ion:105 Resp: 1410629  
 Ion Ratio Lower Upper  
 105 100  
 120 44.7 22.5 67.5





#85  
 sec-Butylbenzene  
 Concen: 52.835 ug/l  
 RT: 13.624 min Scan# 1987  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

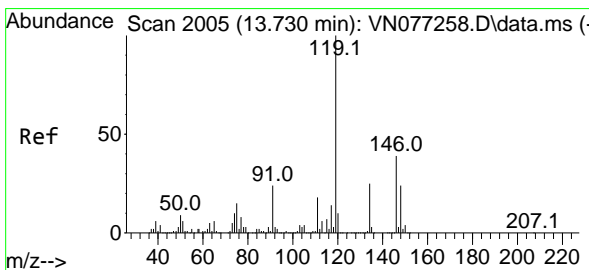
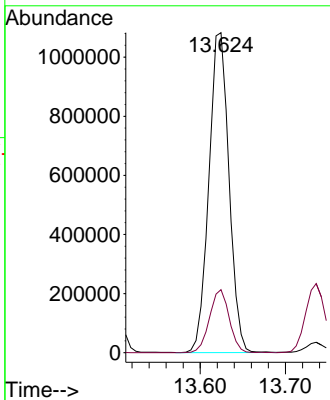
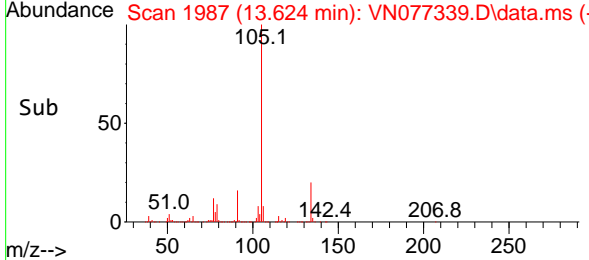
Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC050EC



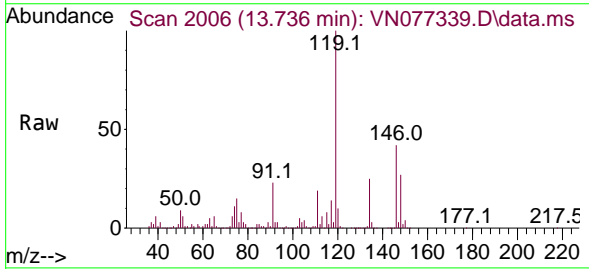
Tgt Ion:105 Resp: 1776670  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.8 29.4

Manual Integrations  
 APPROVED

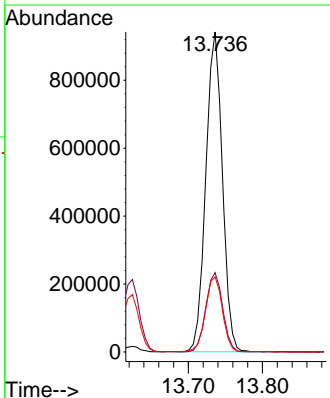
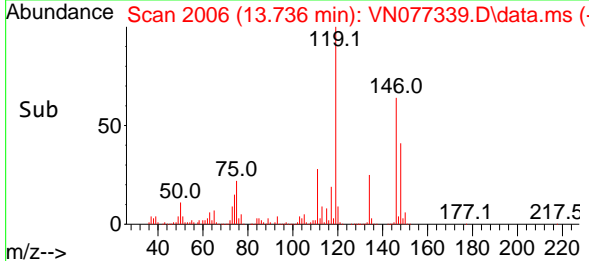
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

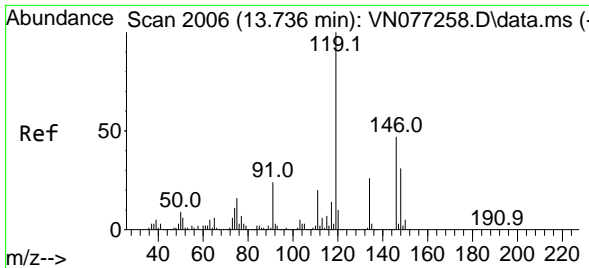


#86  
 p-Isopropyltoluene  
 Concen: 55.212 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:119 Resp: 1459136  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.9 38.6  
 91 23.9 12.3 36.8





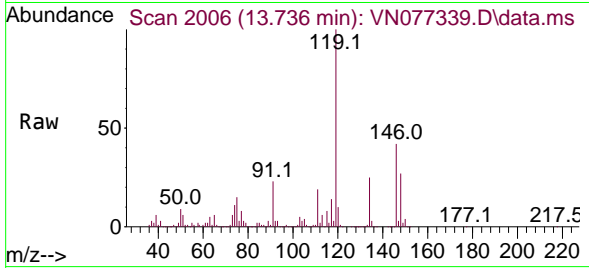
#87  
 1,3-Dichlorobenzene  
 Concen: 51.947 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



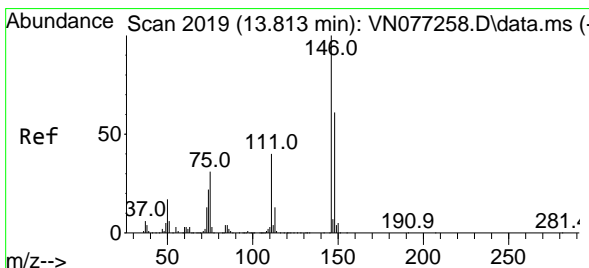
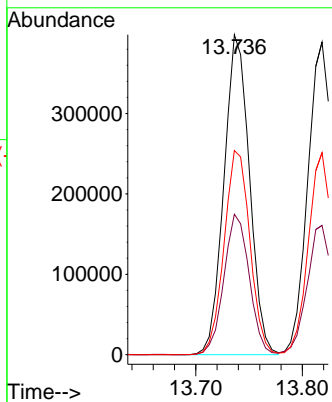
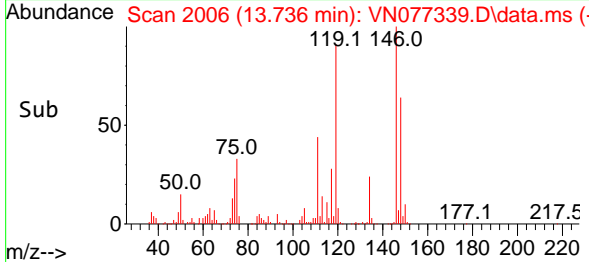
Tgt Ion:146 Resp: 66322  
 Ion Ratio Lower Upper  
 146 100  
 111 43.6 21.8 65.4  
 148 64.6 31.7 95.1

Manual Integrations

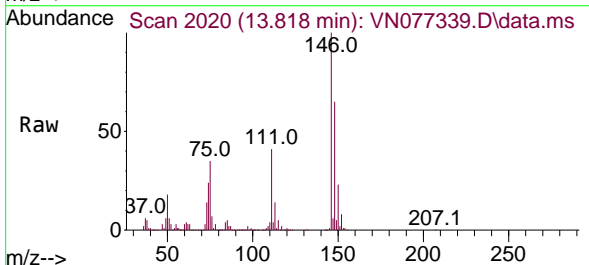
APPROVED

Reviewed By :John Carlone 04/14/2023

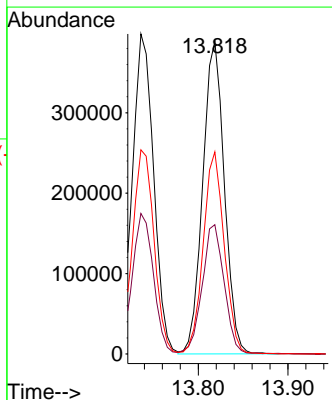
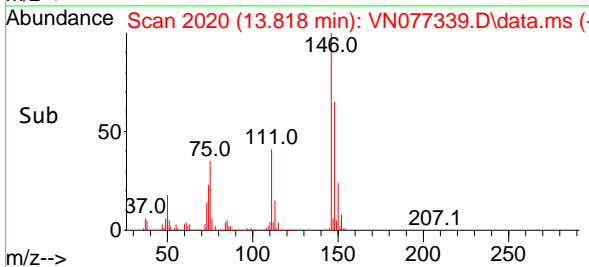
Supervised By :Mahesh Dadoda 04/14/2023



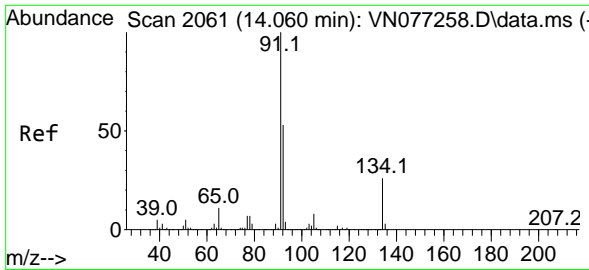
#88  
 1,4-Dichlorobenzene  
 Concen: 51.659 ug/l  
 RT: 13.818 min Scan# 2020  
 Delta R.T. 0.005 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:146 Resp: 650408  
 Ion Ratio Lower Upper  
 146 100  
 111 42.3 20.4 61.2  
 148 62.9 31.6 95.0







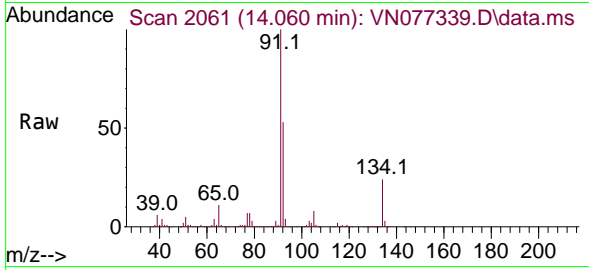
#89  
 n-Butylbenzene  
 Concen: 54.646 ug/l  
 RT: 14.060 min Scan# 2061  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC



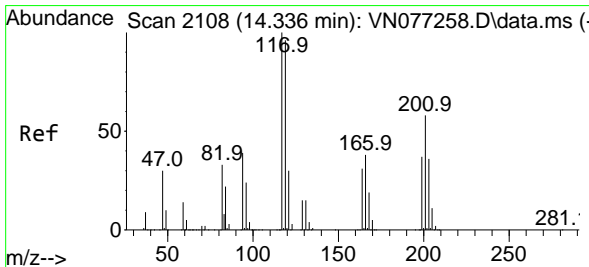
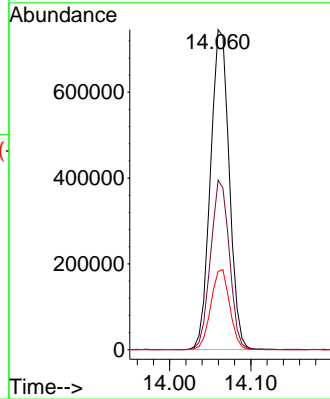
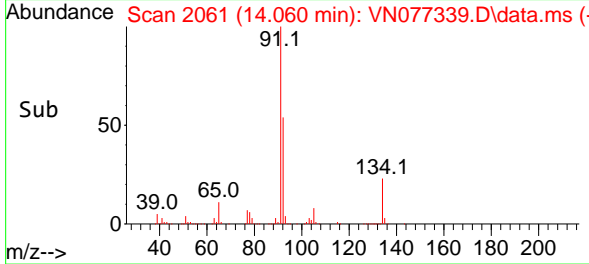
Tgt Ion: 91 Resp: 119889  
 Ion Ratio Lower Upper  
 91 100  
 92 53.0 26.7 80.0  
 134 25.1 12.8 38.3

Manual Integrations

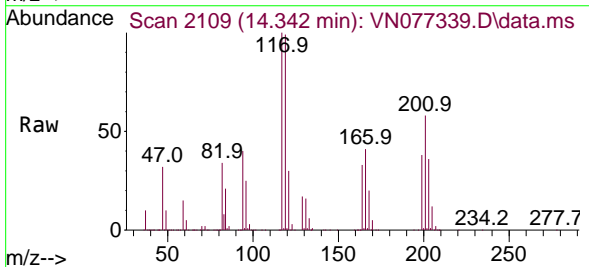
APPROVED

Reviewed By :John Carlone 04/14/2023

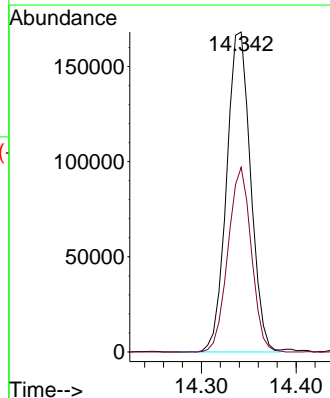
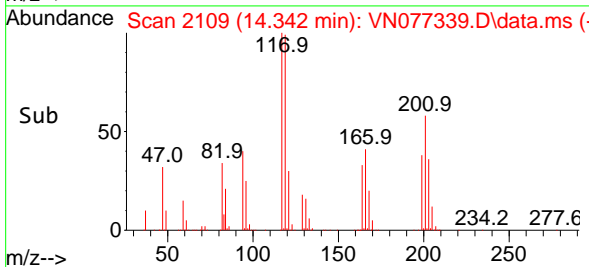
Supervised By :Mahesh Dadoda 04/14/2023

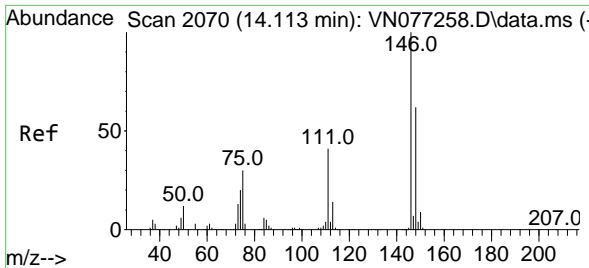


#90  
 Hexachloroethane  
 Concen: 51.259 ug/l  
 RT: 14.342 min Scan# 2109  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:117 Resp: 296193  
 Ion Ratio Lower Upper  
 117 100  
 201 55.9 29.8 89.5





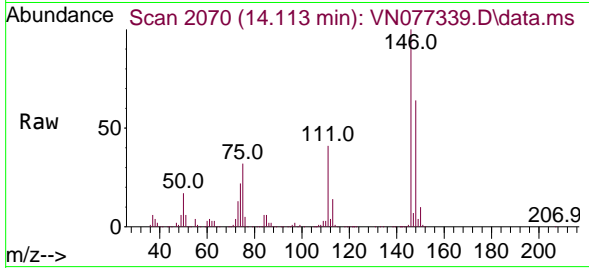
#91  
 1,2-Dichlorobenzene  
 Concen: 51.835 ug/l  
 RT: 14.113 min Scan# 2070  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDC050EC



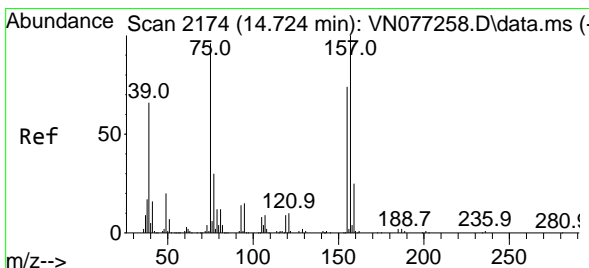
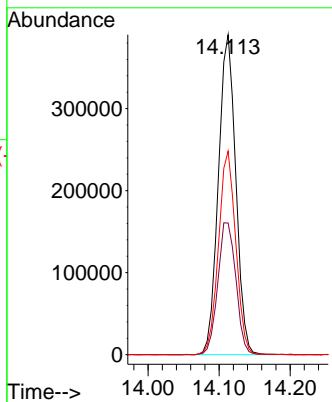
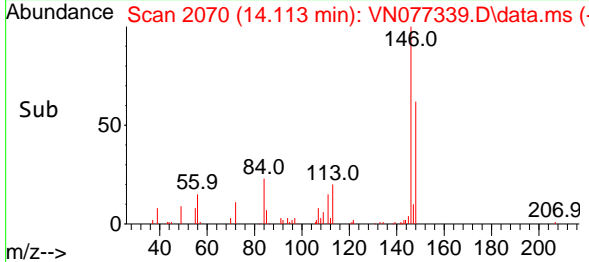
Tgt Ion:146 Resp: 66204  
 Ion Ratio Lower Upper  
 146 100  
 111 42.9 21.9 65.5  
 148 63.0 31.9 95.5

Manual Integrations

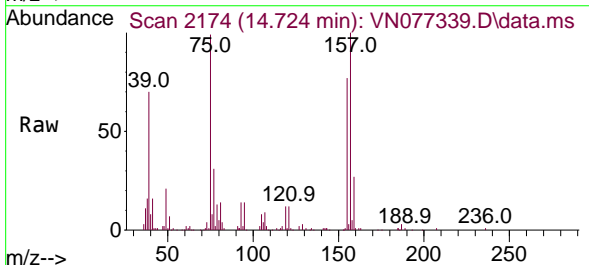
APPROVED

Reviewed By :John Carlone 04/14/2023

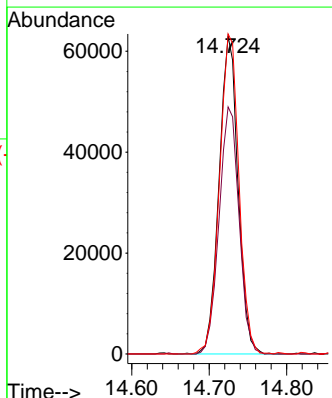
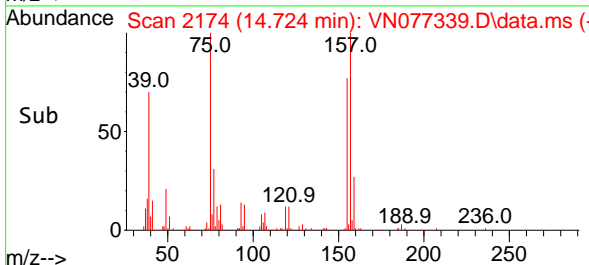
Supervised By :Mahesh Dadoda 04/14/2023

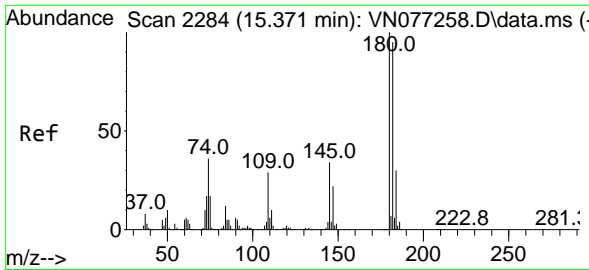


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.074 ug/l  
 RT: 14.724 min Scan# 2174  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



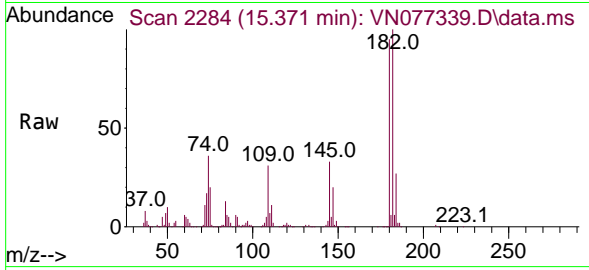
Tgt Ion: 75 Resp: 107133  
 Ion Ratio Lower Upper  
 75 100  
 155 81.6 41.0 123.2  
 157 103.3 54.0 162.0





#93  
 1,2,4-Trichlorobenzene  
 Concen: 60.865 ug/l  
 RT: 15.371 min Scan# 2101  
 Delta R.T. 0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

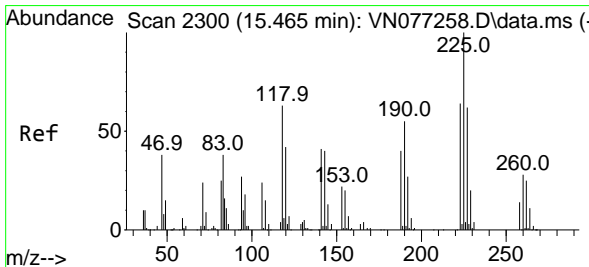
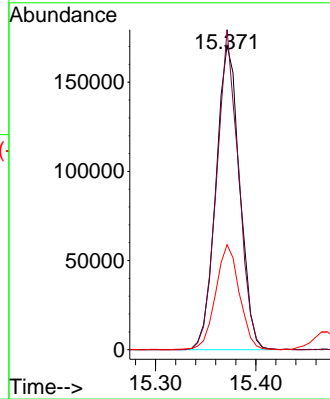
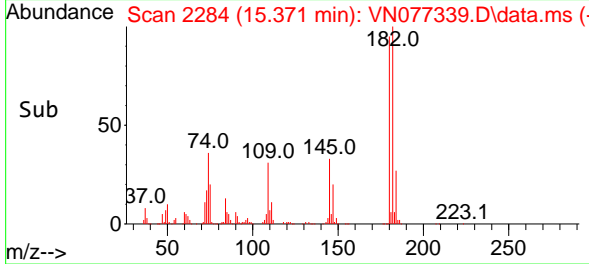
Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC



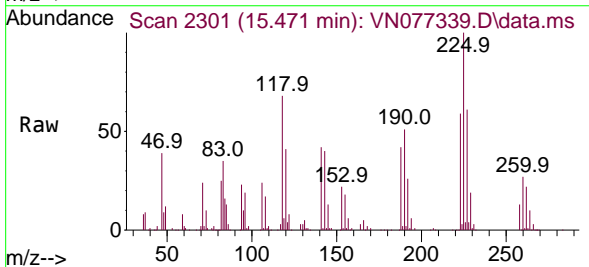
Tgt Ion:180 Resp: 280620  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 46.7 140.0  
 145 34.5 16.6 49.8

Manual Integrations  
**APPROVED**

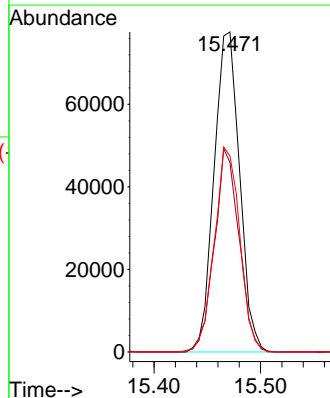
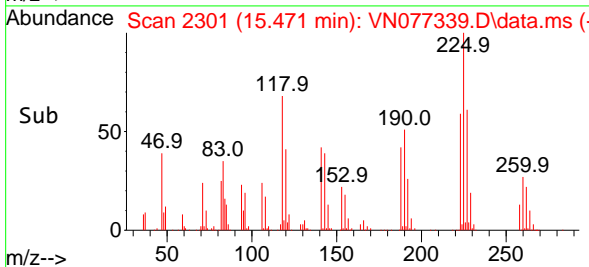
Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023

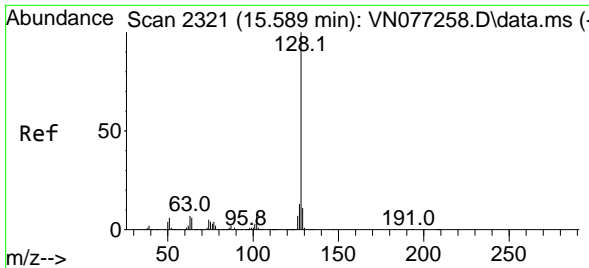


#94  
 Hexachlorobutadiene  
 Concen: 48.299 ug/l  
 RT: 15.471 min Scan# 2301  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



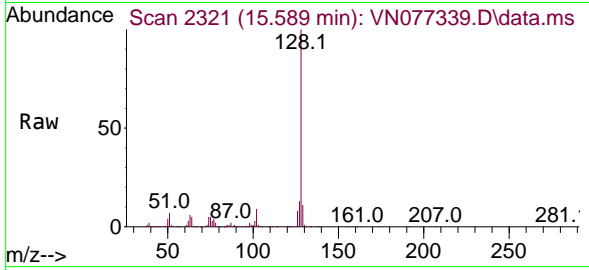
Tgt Ion:225 Resp: 128905  
 Ion Ratio Lower Upper  
 225 100  
 223 61.6 31.7 95.1  
 227 63.8 31.2 93.6





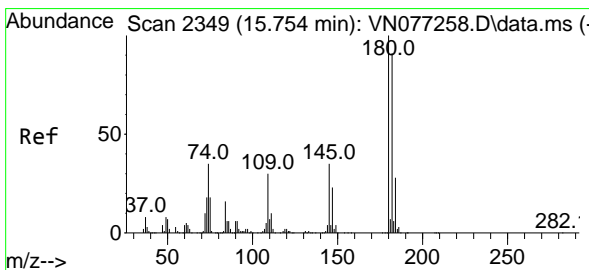
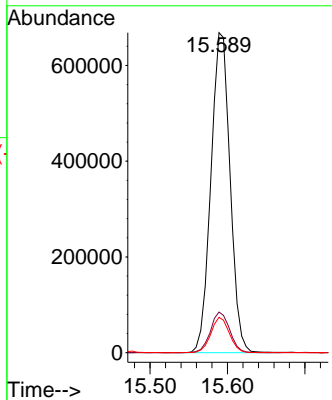
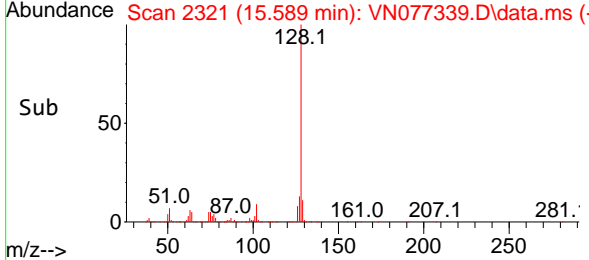
#95  
 Naphthalene  
 Concen: 66.295 ug/l  
 RT: 15.589 min Scan# 2111  
 Delta R.T. -0.000 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31

Instrument : MSVOA\_N  
 Client Sample Id : VSTDCCC050EC

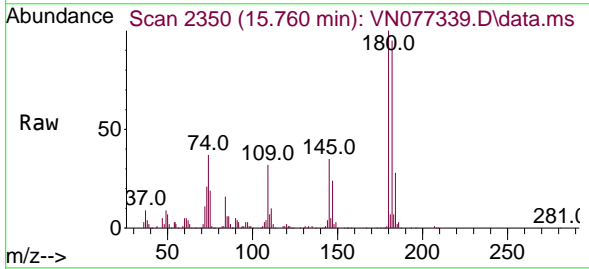


Tgt Ion:128 Resp: 1148234  
 Ion Ratio Lower Upper  
 128 100  
 127 12.7 10.2 15.4  
 129 10.6 8.9 13.3

Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 04/14/2023  
 Supervised By :Mahesh Dadoda 04/14/2023



#96  
 1,2,3-Trichlorobenzene  
 Concen: 62.453 ug/l  
 RT: 15.760 min Scan# 2350  
 Delta R.T. 0.006 min  
 Lab File: VN077339.D  
 Acq: 13 Apr 2023 19:31



Tgt Ion:180 Resp: 275422  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 46.9 140.8  
 145 37.0 17.6 52.8

