

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022423\  
 Data File : VN076811.D  
 Acq On : 24 Feb 2023 15:50  
 Operator : JC\MD  
 Sample : VN0224MBSD01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224MBSD01

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

Quant Time: Feb 25 01:46:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	245660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	476342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	442499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	203544	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	221835	65.396	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	130.800%#	
35) Dibromofluoromethane	8.172	113	157692	50.551	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.100%	
50) Toluene-d8	10.566	98	618438	53.086	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	106.180%	
62) 4-Bromofluorobenzene	12.854	95	203826	52.826	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	105.660%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	46639	17.880	ug/l	99
3) Chloromethane	2.372	50	63125	18.548	ug/l	99
4) Vinyl Chloride	2.525	62	61160	18.260	ug/l	94
5) Bromomethane	2.960	94	45865	22.599	ug/l	84
6) Chloroethane	3.131	64	44831	21.179	ug/l #	88
7) Trichlorofluoromethane	3.507	101	78417	17.207	ug/l	99
8) Diethyl Ether	3.966	74	39692	22.603	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.390	101	48574	18.140	ug/l	98
10) Methyl Iodide	4.601	142	67755	20.489	ug/l	96
11) Tert butyl alcohol	5.525	59	55773	124.560	ug/l	99
12) 1,1-Dichloroethene	4.360	96	43614	17.200	ug/l	99
13) Acrolein	4.184	56	70388	104.709	ug/l	98
14) Allyl chloride	5.031	41	81813	18.621	ug/l	95
15) Acrylonitrile	5.737	53	182719	114.985	ug/l	97
16) Acetone	4.443	43	160517	105.934	ug/l	97
17) Carbon Disulfide	4.719	76	99804	14.908	ug/l	97
18) Methyl Acetate	5.043	43	123302	24.929	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	202199	23.652	ug/l	98
20) Methylene Chloride	5.290	84	66057	20.801	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	51160	17.924	ug/l #	91
22) Diisopropyl ether	6.678	45	243802	23.659	ug/l	97
23) Vinyl Acetate	6.613	43	769302	126.176	ug/l	97
24) 1,1-Dichloroethane	6.578	63	116906	20.700	ug/l #	95
25) 2-Butanone	7.489	43	257672	115.283	ug/l	96
26) 2,2-Dichloropropane	7.501	77	77224	18.957	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	67012	19.794	ug/l	93
28) Bromochloromethane	7.819	49	68027	25.308	ug/l	92
29) Tetrahydrofuran	7.848	42	174891	119.762	ug/l	98
30) Chloroform	7.966	83	117873	20.889	ug/l	94
31) Cyclohexane	8.260	56	96215	18.082	ug/l	96
32) 1,1,1-Trichloroethane	8.172	97	90386	19.051	ug/l	94
36) 1,1-Dichloropropene	8.378	75	74547	16.540	ug/l	98
37) Ethyl Acetate	7.566	43	105381	22.222	ug/l	97
38) Carbon Tetrachloride	8.366	117	72428	15.930	ug/l	94
39) Methylcyclohexane	9.601	83	85748	16.737	ug/l	97
40) Benzene	8.613	78	262710	18.980	ug/l	100

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 Quant Title : SW846 8260  
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	58078	21.141	ug/l	94
42) 1,2-Dichloroethane	8.672	62	98565	20.418	ug/l	98
43) Isopropyl Acetate	8.695	43	192543	24.952	ug/l	94
44) Trichloroethene	9.360	130	54017	16.515	ug/l	96
45) 1,2-Dichloropropane	9.625	63	72534	19.797	ug/l	99
46) Dibromomethane	9.707	93	44845	19.145	ug/l	96
47) Bromodichloromethane	9.895	83	93459	19.901	ug/l #	95
48) Methyl methacrylate	9.683	41	79882	21.816	ug/l	97
49) 1,4-Dioxane	9.695	88	28855	455.558	ug/l	92
51) 4-Methyl-2-Pentanone	10.448	43	556768	113.404	ug/l	98
52) Toluene	10.630	92	164337	19.666	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	93435	20.613	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	101298	19.374	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	70017	20.605	ug/l	94
56) Ethyl methacrylate	10.872	69	102080	21.343	ug/l	93
57) 1,3-Dichloropropane	11.166	76	117787	20.176	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	233289	106.502	ug/l	96
59) 2-Hexanone	11.201	43	400629	113.172	ug/l	100
60) Dibromochloromethane	11.360	129	66684	18.620	ug/l	99
61) 1,2-Dibromoethane	11.472	107	68500	20.140	ug/l	94
64) Tetrachloroethene	11.107	164	44665	16.017	ug/l	94
65) Chlorobenzene	11.895	112	170822	18.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	61259	17.984	ug/l	98
67) Ethyl Benzene	11.966	91	296098	18.533	ug/l	100
68) m/p-Xylenes	12.072	106	228040	37.030	ug/l	97
69) o-Xylene	12.401	106	117092	19.496	ug/l	100
70) Styrene	12.413	104	190656	19.630	ug/l	99
71) Bromoform	12.583	173	44666	17.877	ug/l #	97
73) Isopropylbenzene	12.695	105	276666	18.545	ug/l	98
74) N-amyl acetate	12.495	43	144085	21.426	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	108900	20.165	ug/l	96
76) 1,2,3-Trichloropropane	12.995	75	93792m	22.792	ug/l	
77) Bromobenzene	12.983	156	69827	18.759	ug/l	93
78) n-propylbenzene	13.036	91	335164	19.132	ug/l	99
79) 2-Chlorotoluene	13.130	91	210785	19.651	ug/l	95
80) 1,3,5-Trimethylbenzene	13.177	105	241374	19.577	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	26315	18.625	ug/l	97
82) 4-Chlorotoluene	13.130	91	210785	19.651	ug/l	95
83) tert-Butylbenzene	13.442	119	210721	18.892	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	246479	20.059	ug/l	99
85) sec-Butylbenzene	13.618	105	301144	19.338	ug/l	97
86) p-Isopropyltoluene	13.730	119	240568	19.346	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	129743	18.439	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	129279	18.450	ug/l	98
89) n-Butylbenzene	14.060	91	192632	17.811	ug/l	98
90) Hexachloroethane	14.336	117	45141	17.337	ug/l	93
91) 1,2-Dichlorobenzene	14.107	146	134572	18.656	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	18833	18.000	ug/l	92
93) 1,2,4-Trichlorobenzene	15.395	180	57295	15.923	ug/l	99
94) Hexachlorobutadiene	15.501	225	27628	15.666	ug/l	96
95) Naphthalene	15.642	128	198433	18.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	61208	17.558	ug/l	98

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 ALS Vial : 14 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VN0224MBSD01

Quant Time: Feb 25 01:46:38 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

**Manual Integrations**  
**APPROVED**  
 Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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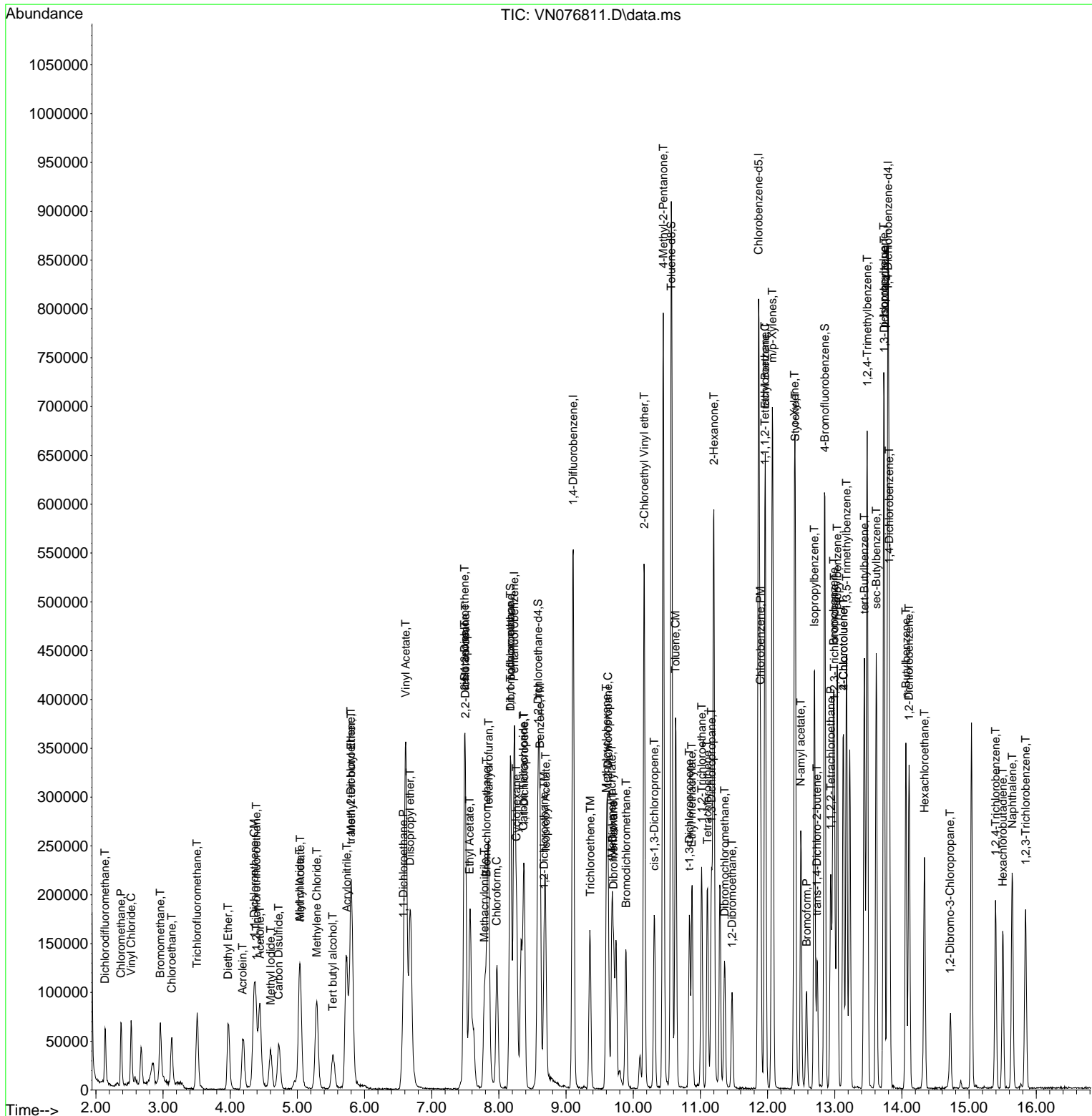
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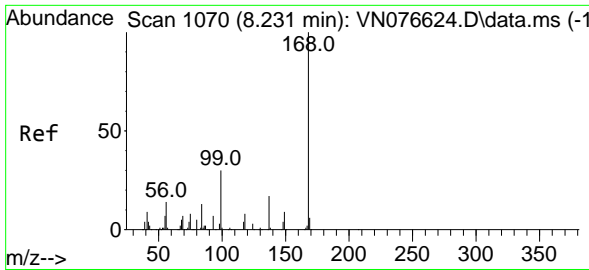
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022423\  
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**Instrument :**  
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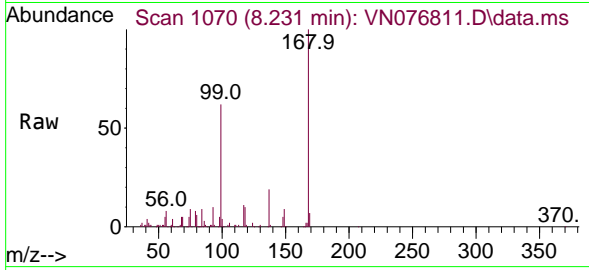
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.231 min Scan# 1070  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

Client Sample Id :

VN0224MBS01



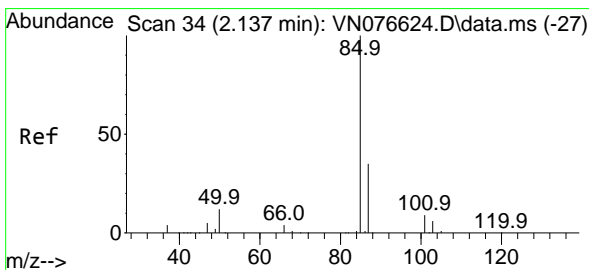
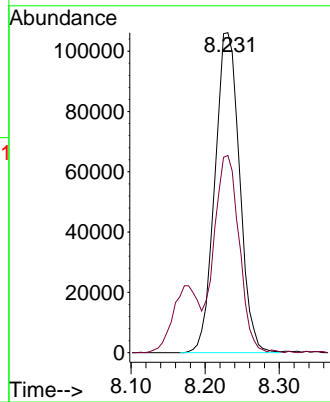
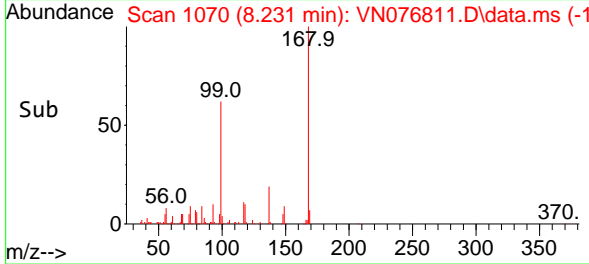
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 Ion Ratio Lower Upper  
 168 100  
 99 61.3 44.8 67.2

Manual Integrations

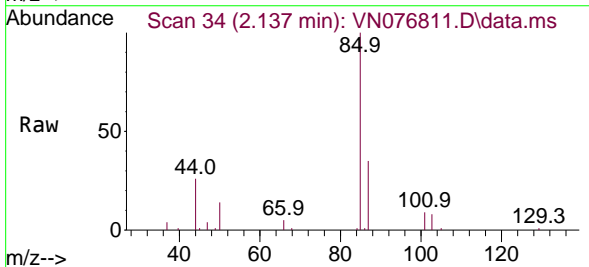
APPROVED

Reviewed By : John Carlone 02/27/2023

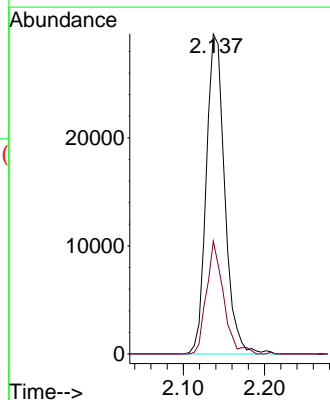
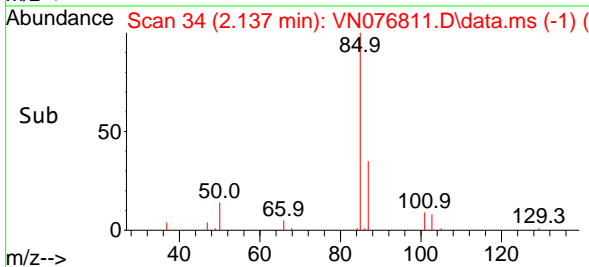
Supervised By : Mahesh Dadoda 02/27/2023

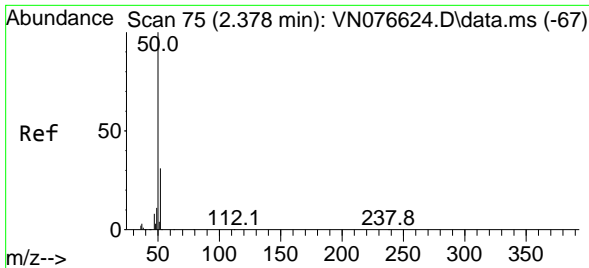


#2  
 Dichlorodifluoromethane  
 Concen: 17.880 ug/l  
 RT: 2.137 min Scan# 34  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



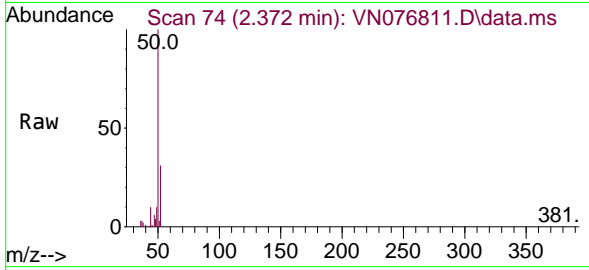
Tgt Ion: 85 Resp: 46639  
 Ion Ratio Lower Upper  
 85 100  
 87 35.3 17.4 52.2





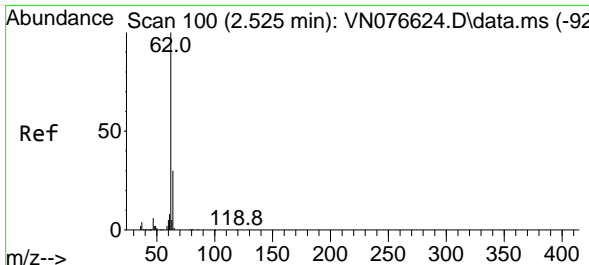
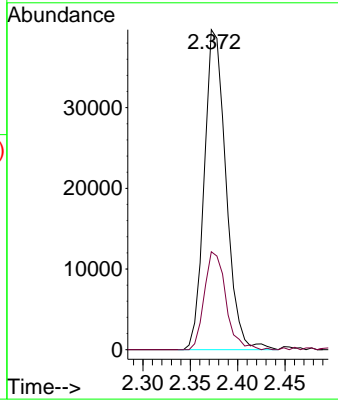
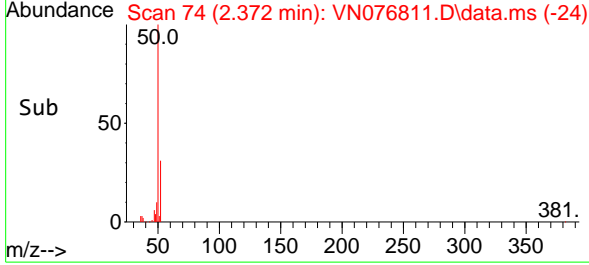
#3  
 Chloromethane  
 Concen: 18.548 ug/l  
 RT: 2.372 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
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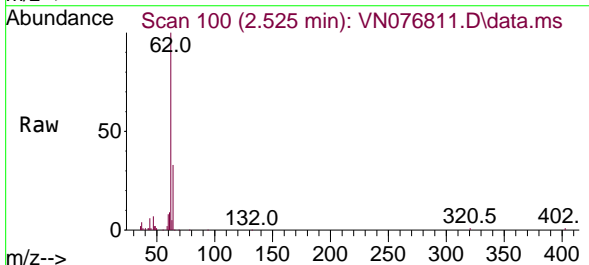


Tgt Ion: 50 Resp: 6312  
 Ion Ratio Lower Upper  
 50 100  
 52 30.6 24.7 37.1

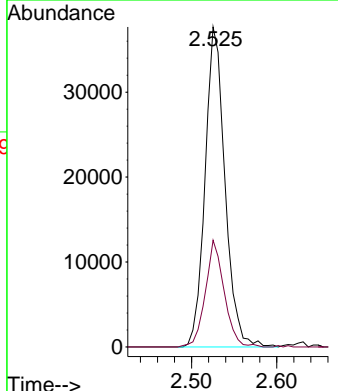
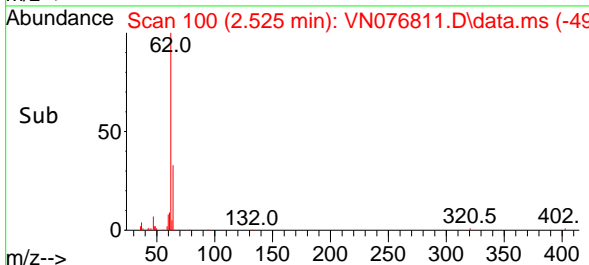
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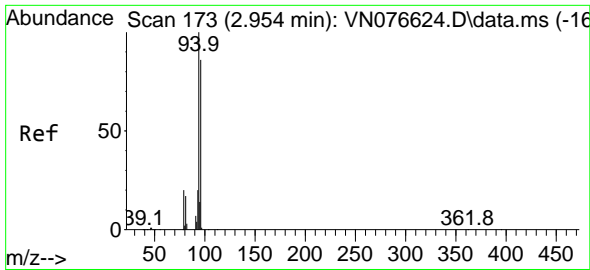


#4  
 Vinyl Chloride  
 Concen: 18.260 ug/l  
 RT: 2.525 min Scan# 100  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



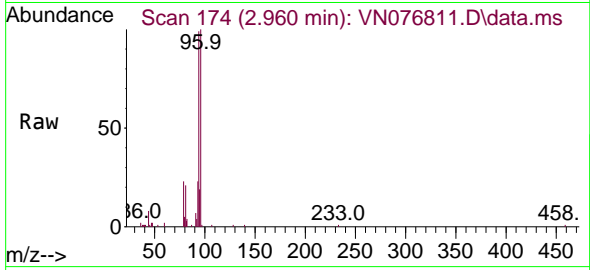
Tgt Ion: 62 Resp: 61160  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 23.9 35.9





#5  
 Bromomethane  
 Concen: 22.599 ug/l  
 RT: 2.960 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

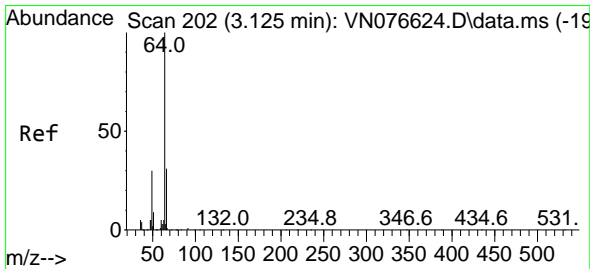
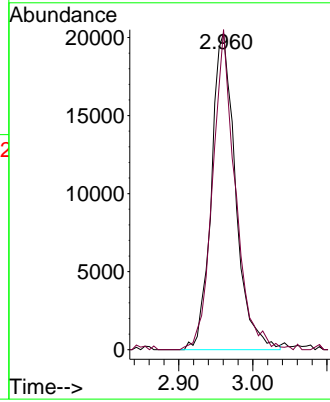
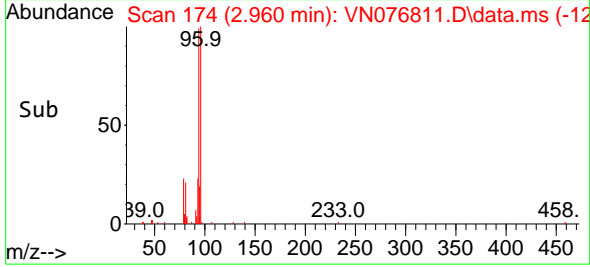
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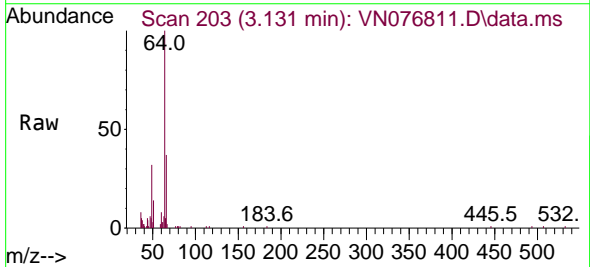
Tgt Ion: 94 Resp: 4586  
 Ion Ratio Lower Upper  
 94 100  
 96 101.0 69.0 103.4

Manual Integrations  
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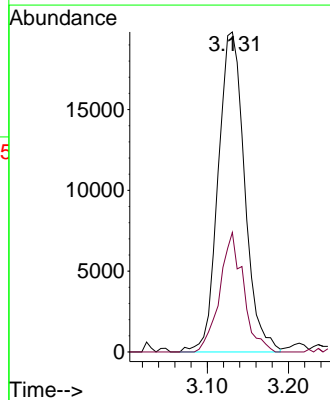
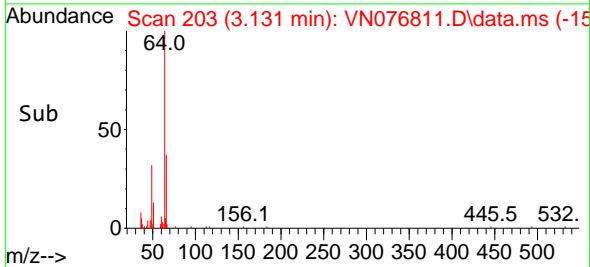
Reviewed By :John Carlone 02/27/2023  
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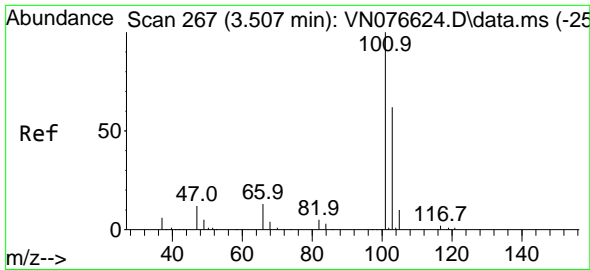


#6  
 Chloroethane  
 Concen: 21.179 ug/l  
 RT: 3.131 min Scan# 203  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 64 Resp: 44831  
 Ion Ratio Lower Upper  
 64 100  
 66 37.4 24.6 37.0#





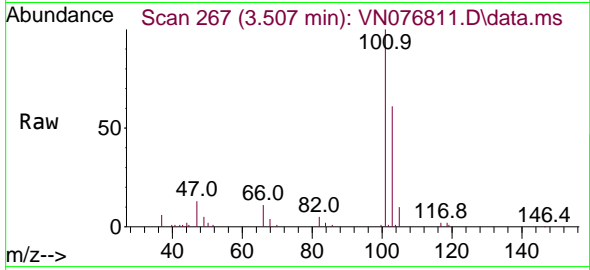
#7  
 Trichlorofluoromethane  
 Concen: 17.207 ug/l  
 RT: 3.507 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBS01



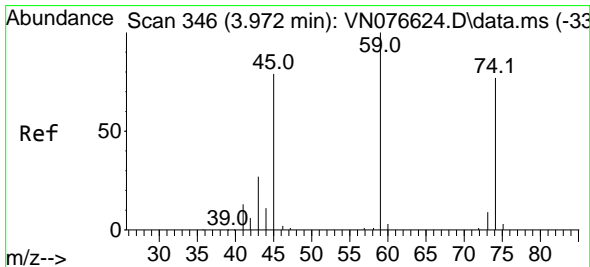
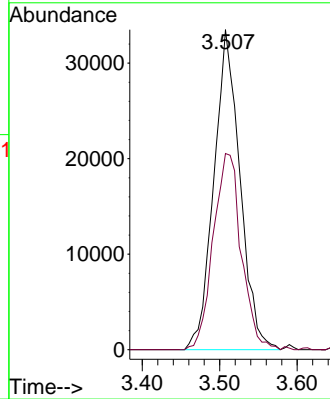
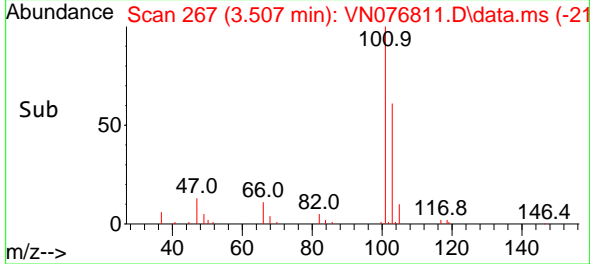
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 Ion Ratio Lower Upper  
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 103 61.3 49.4 74.2

Manual Integrations

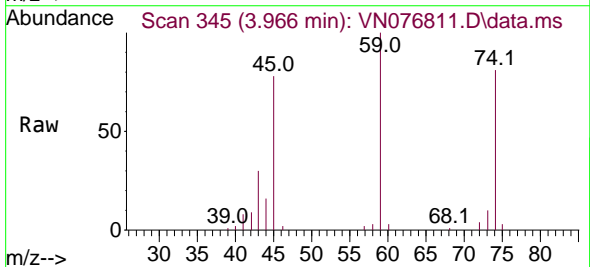
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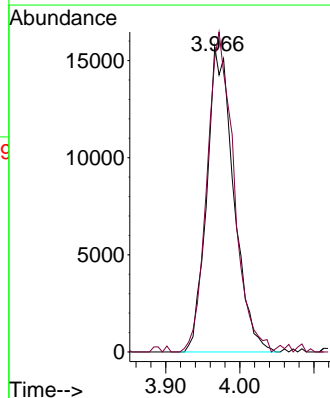
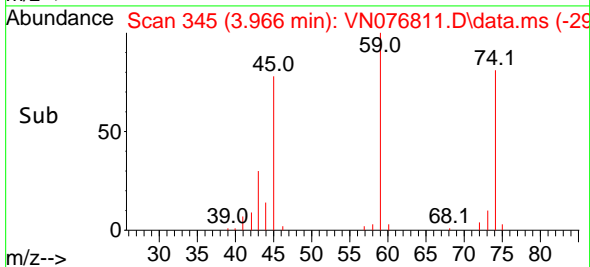
Supervised By :Mahesh Dadoda 02/27/2023



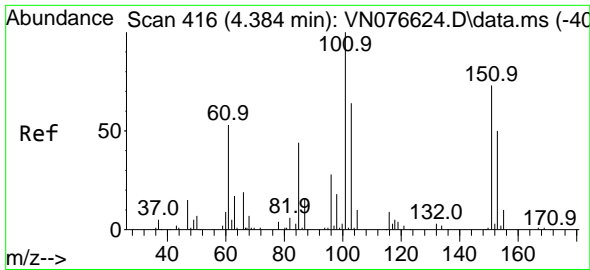
#8  
 Diethyl Ether  
 Concen: 22.603 ug/l  
 RT: 3.966 min Scan# 345  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 74 Resp: 39692  
 Ion Ratio Lower Upper  
 74 100  
 45 105.0 51.3 153.9

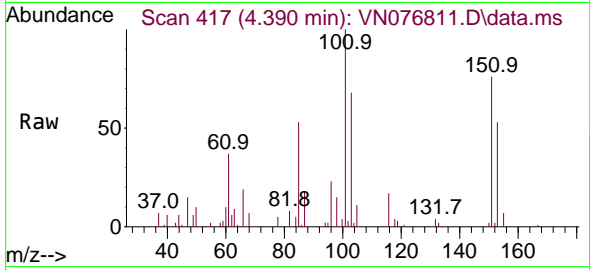






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.140 ug/l  
 RT: 4.390 min Scan# 417  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

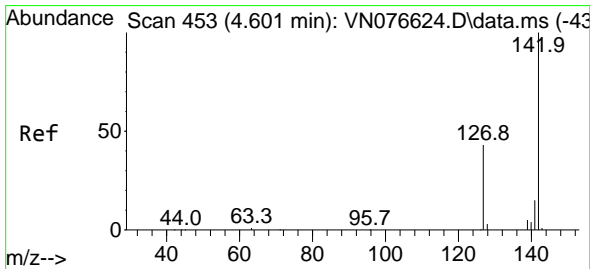
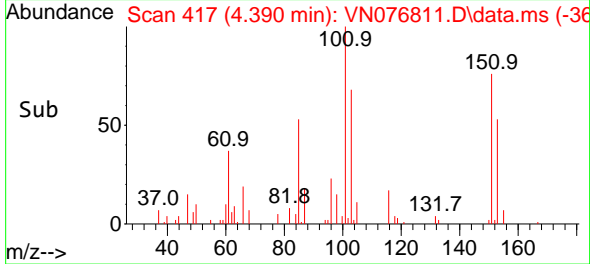
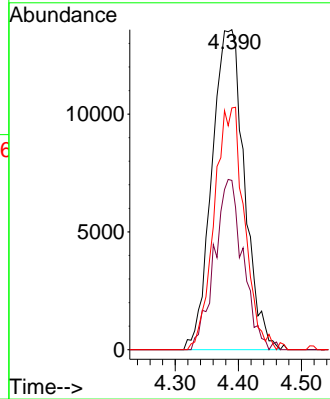
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



Tgt Ion:101 Resp: 48574  
 Ion Ratio Lower Upper  
 101 100  
 85 46.8 37.4 56.0  
 151 70.3 58.7 88.1

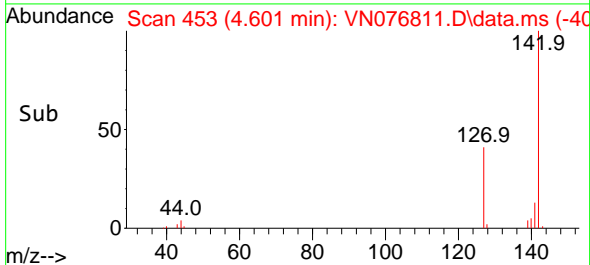
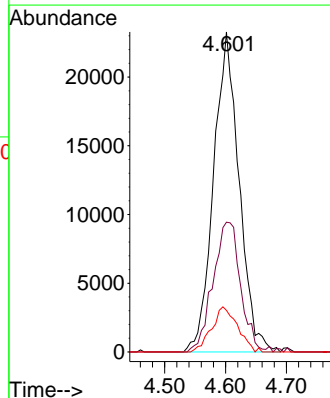
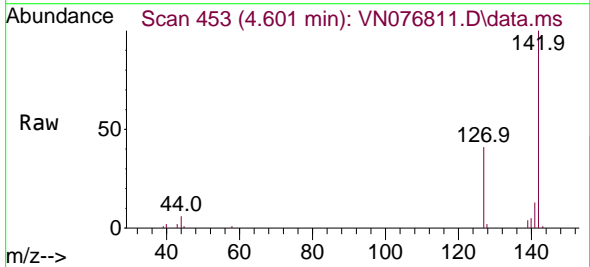
Manual Integrations  
**APPROVED**

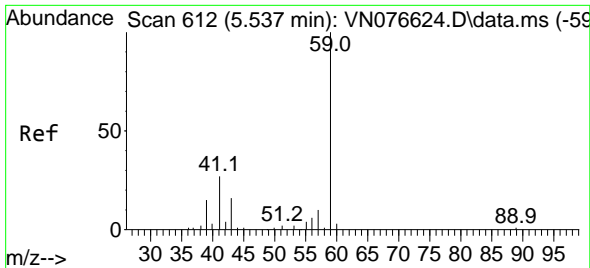
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023



#10  
 Methyl Iodide  
 Concen: 20.489 ug/l  
 RT: 4.601 min Scan# 453  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

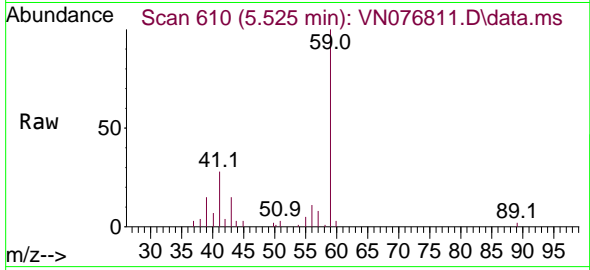
Tgt Ion:142 Resp: 67755  
 Ion Ratio Lower Upper  
 142 100  
 127 40.6 34.6 51.8  
 141 13.0 11.7 17.5





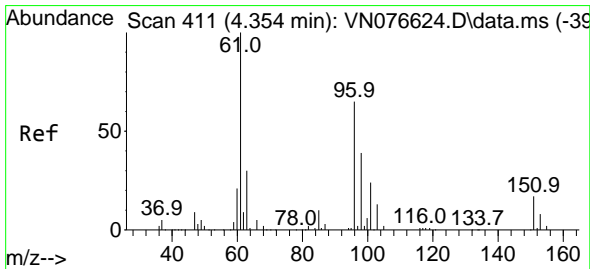
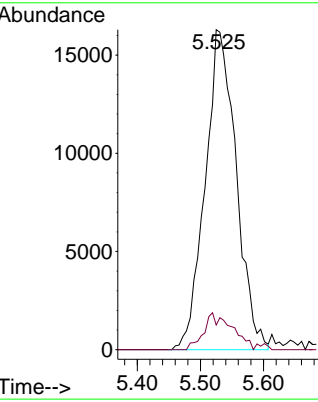
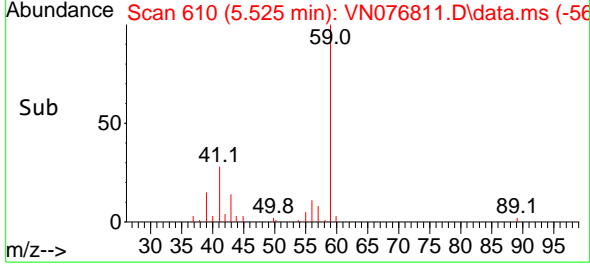
#11  
 Tert butyl alcohol  
 Concen: 124.560 ug/l  
 RT: 5.525 min Scan# 610  
 Delta R.T. -0.012 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01

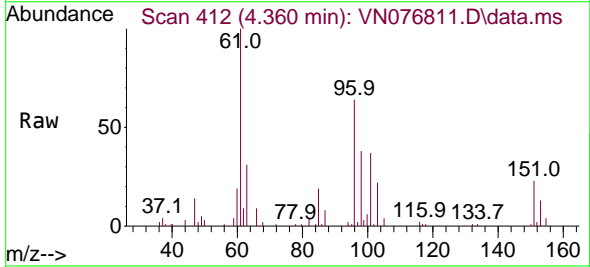


Tgt Ion: 59 Resp: 5577  
 Ion Ratio Lower Upper  
 59 100  
 57 10.5 8.7 13.1

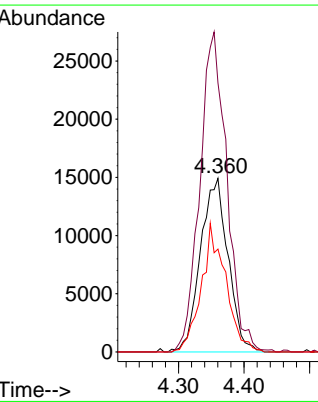
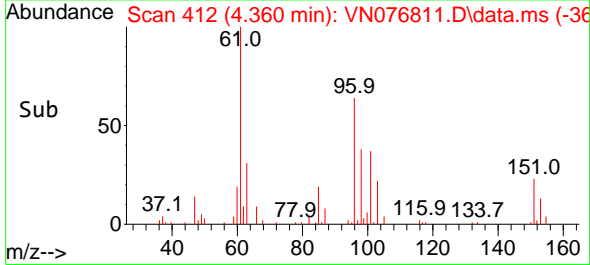
Manual Integrations  
**APPROVED**  
 Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

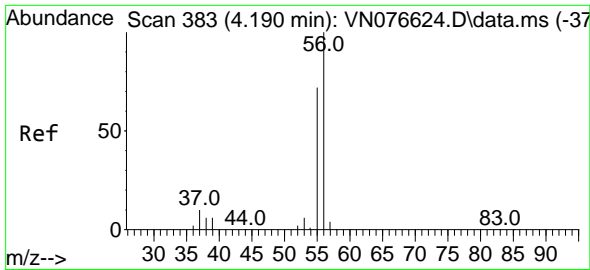


#12  
 1,1-Dichloroethene  
 Concen: 17.200 ug/l  
 RT: 4.360 min Scan# 412  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



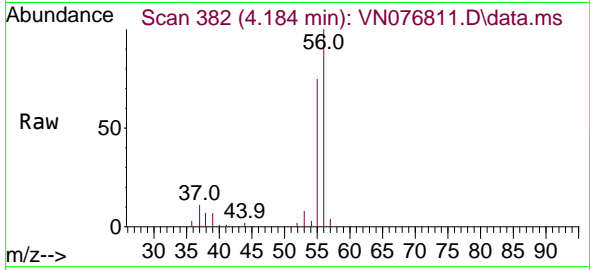
Tgt Ion: 96 Resp: 43614  
 Ion Ratio Lower Upper  
 96 100  
 61 155.0 123.8 185.6  
 98 59.3 48.4 72.6





#13  
 Acrolein  
 Concen: 104.709 ug/l  
 RT: 4.184 min Scan# 382  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

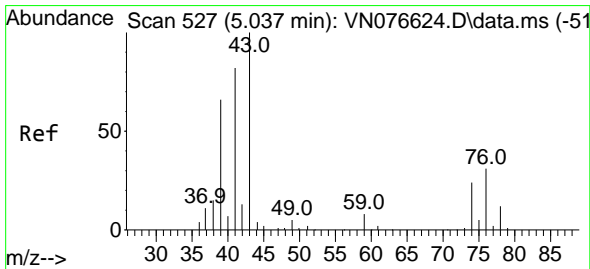
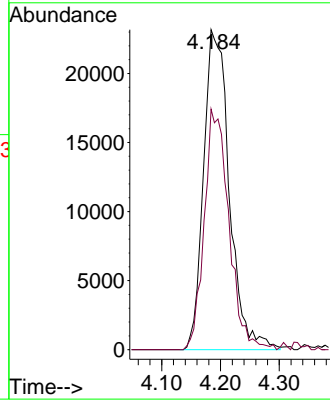
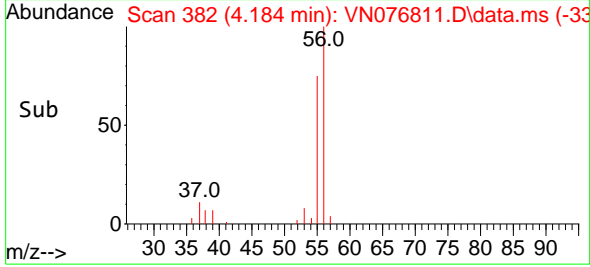
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



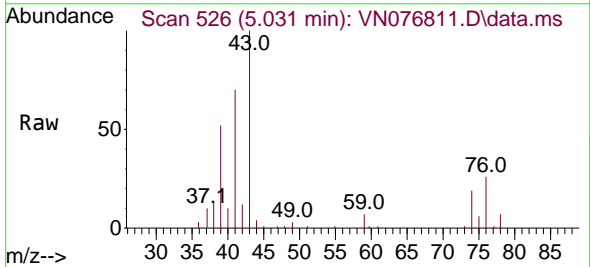
Tgt Ion: 56 Resp: 70388  
 Ion Ratio Lower Upper  
 56 100  
 55 71.9 56.3 84.5

Manual Integrations  
 APPROVED

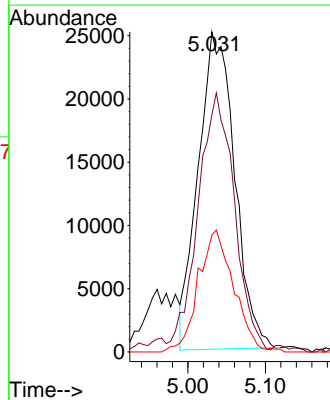
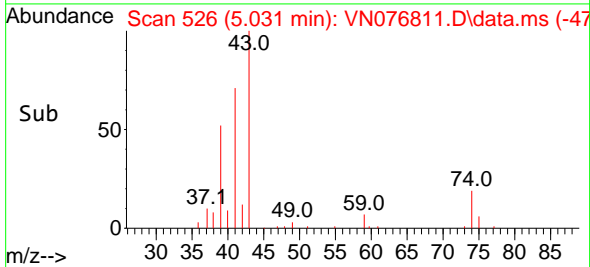
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

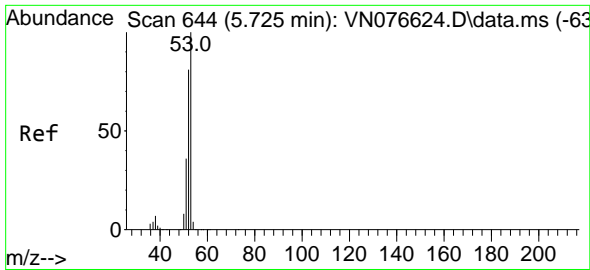


#14  
 Allyl chloride  
 Concen: 18.621 ug/l  
 RT: 5.031 min Scan# 526  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



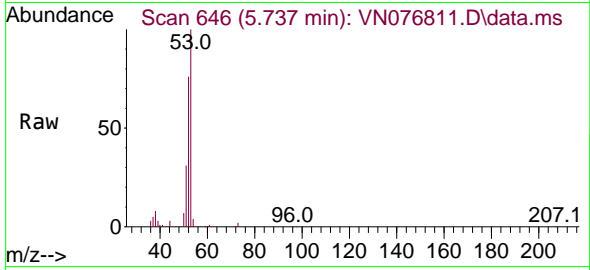
Tgt Ion: 41 Resp: 81813  
 Ion Ratio Lower Upper  
 41 100  
 39 82.0 62.3 93.5  
 76 37.1 27.0 40.6





#15  
 Acrylonitrile  
 Concen: 114.985 ug/l  
 RT: 5.737 min Scan# 646  
 Delta R.T. 0.012 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

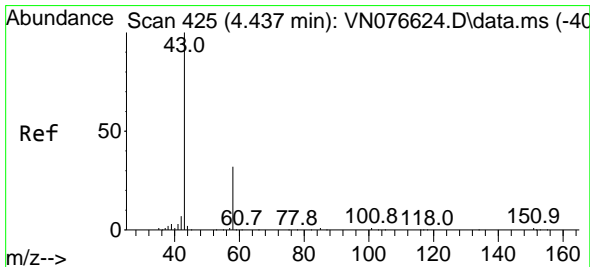
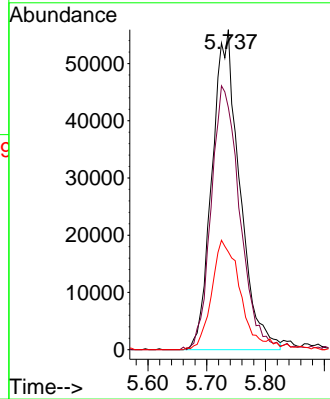
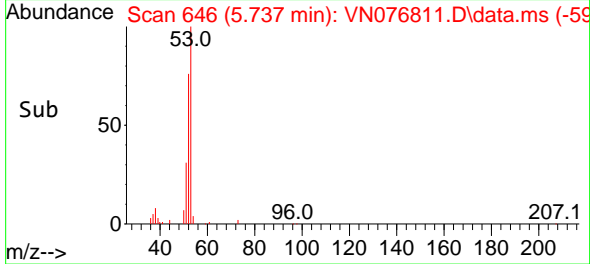
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBS01



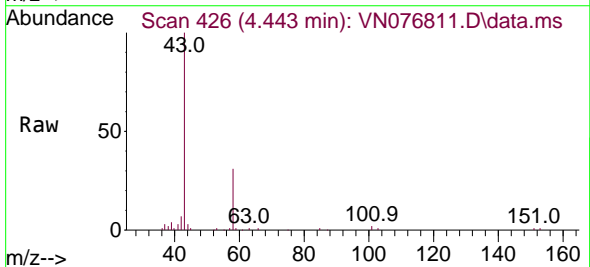
Tgt Ion: 53 Resp: 182719  
 Ion Ratio Lower Upper  
 53 100  
 52 85.0 65.3 97.9  
 51 36.2 29.2 43.8

Manual Integrations  
**APPROVED**

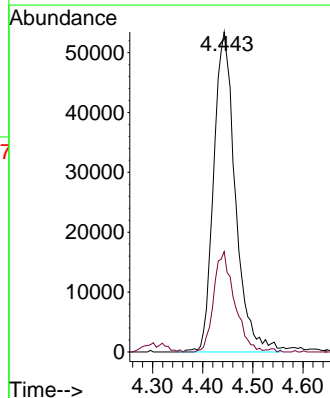
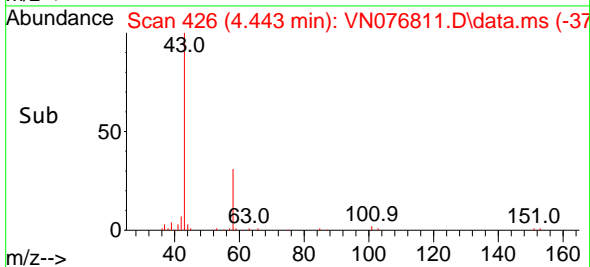
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

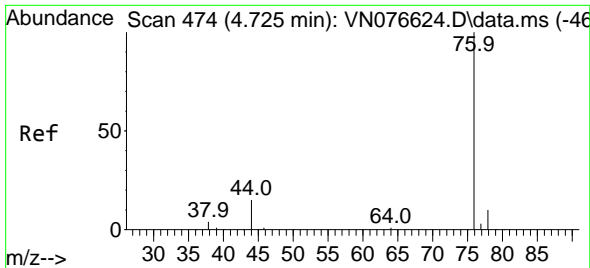


#16  
 Acetone  
 Concen: 105.934 ug/l  
 RT: 4.443 min Scan# 426  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



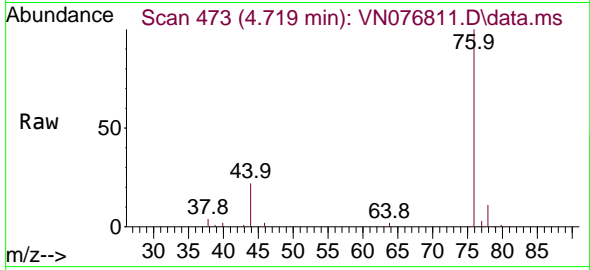
Tgt Ion: 43 Resp: 160517  
 Ion Ratio Lower Upper  
 43 100  
 58 30.9 25.9 38.9





#17  
 Carbon Disulfide  
 Concen: 14.908 ug/l  
 RT: 4.719 min Scan# 473  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

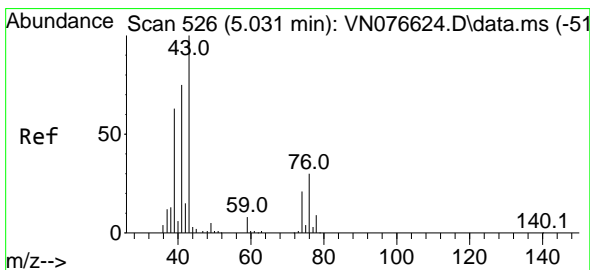
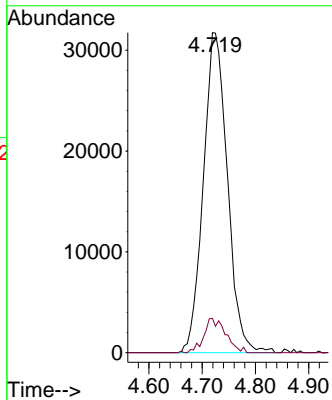
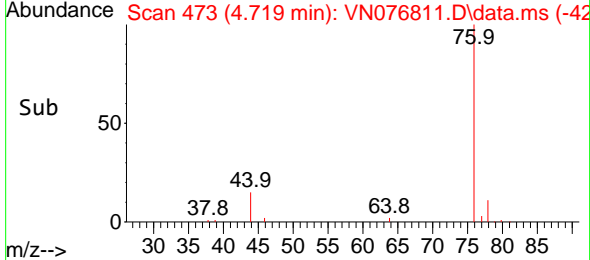
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



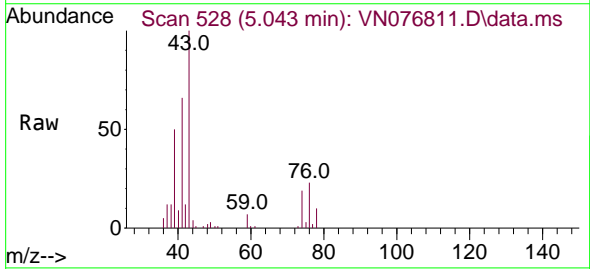
Tgt Ion: 76 Resp: 99804  
 Ion Ratio Lower Upper  
 76 100  
 78 10.8 7.8 11.8

Manual Integrations  
**APPROVED**

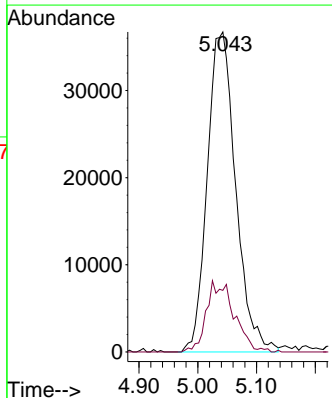
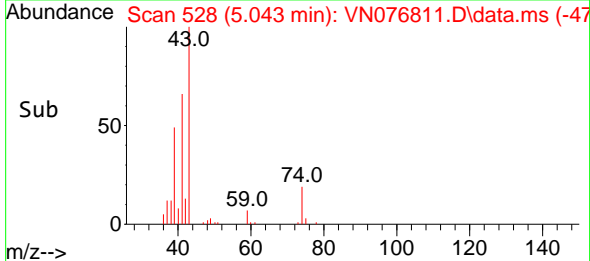
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

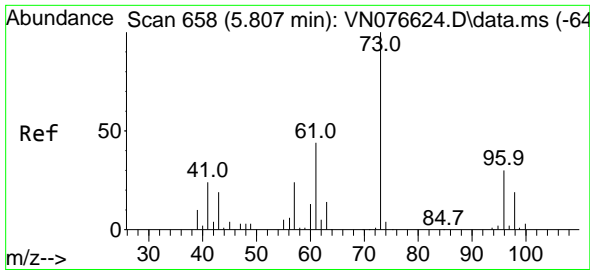


#18  
 Methyl Acetate  
 Concen: 24.929 ug/l  
 RT: 5.043 min Scan# 528  
 Delta R.T. 0.012 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



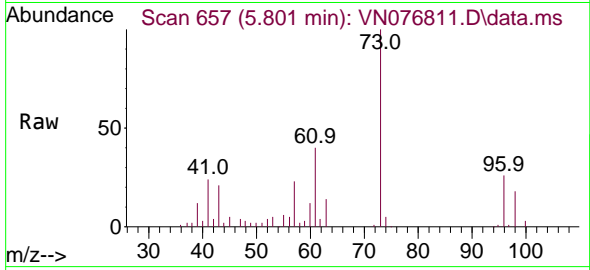
Tgt Ion: 43 Resp: 123302  
 Ion Ratio Lower Upper  
 43 100  
 74 21.3 17.7 26.5





#19  
 Methyl tert-butyl Ether  
 Concen: 23.652 ug/l  
 RT: 5.801 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

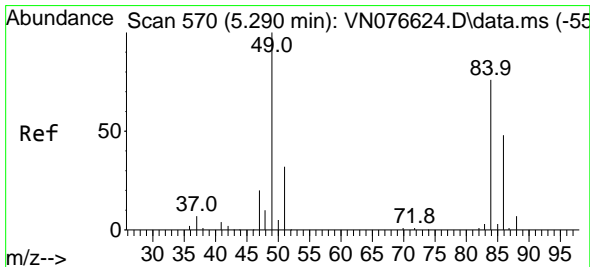
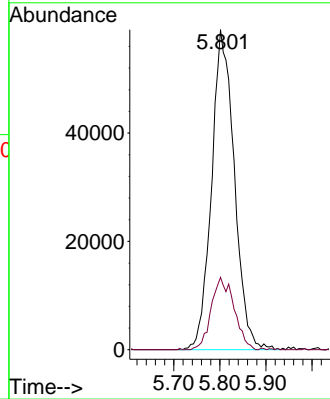
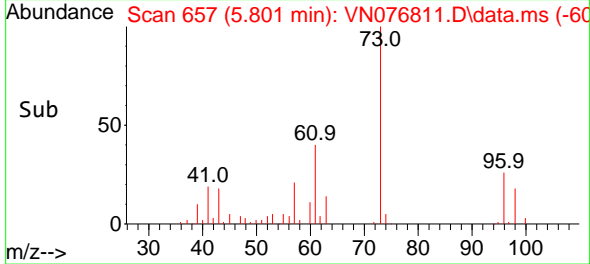
Instrument : MSVOA\_N  
 ClientSampleId : VN0224MBSD01



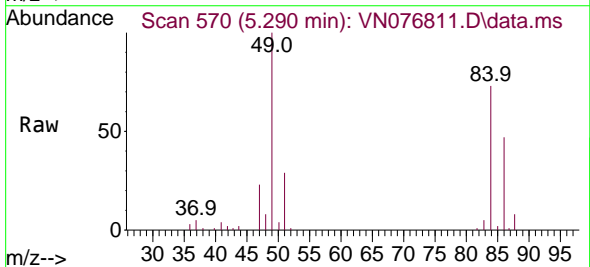
Tgt Ion: 73 Resp: 20219  
 Ion Ratio Lower Upper  
 73 100  
 57 22.6 19.0 28.4

Manual Integrations  
 APPROVED

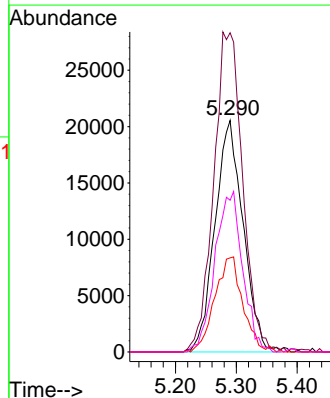
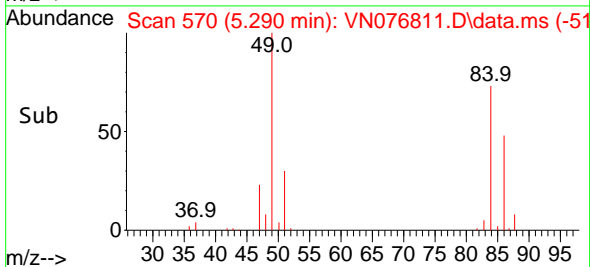
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

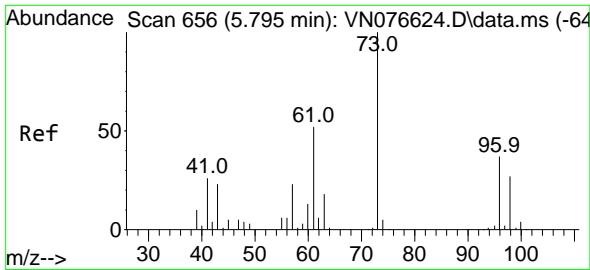


#20  
 Methylene Chloride  
 Concen: 20.801 ug/l  
 RT: 5.290 min Scan# 570  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



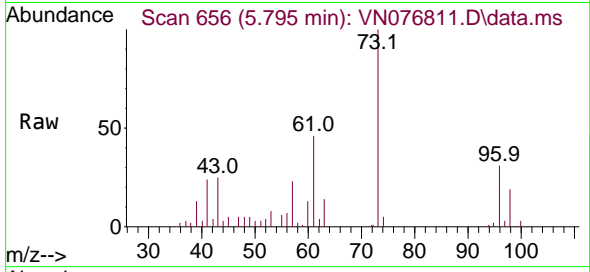
Tgt Ion: 84 Resp: 66057  
 Ion Ratio Lower Upper  
 84 100  
 49 137.9 104.9 157.3  
 51 40.6 33.8 50.8  
 86 65.5 50.0 75.0





#21  
 trans-1,2-Dichloroethene  
 Concen: 17.924 ug/l  
 RT: 5.795 min Scan# 611  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

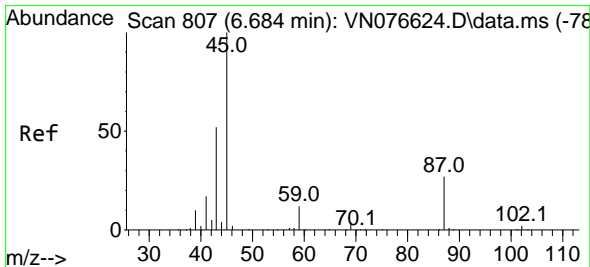
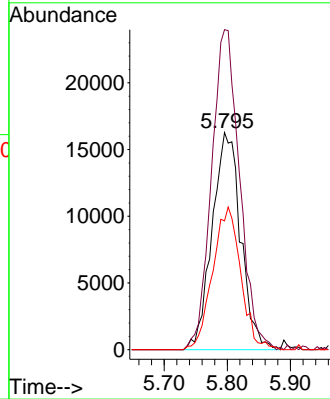
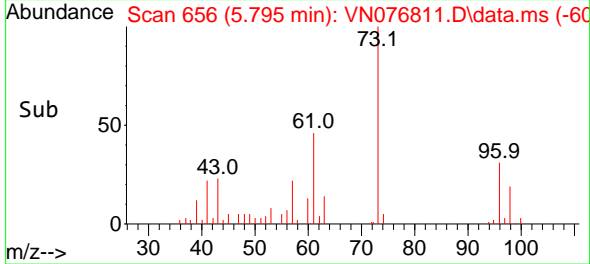
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224MBSD01



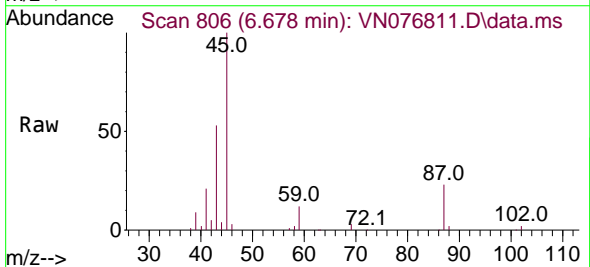
Tgt Ion: 96 Resp: 51160  
 Ion Ratio Lower Upper  
 96 100  
 61 147.4 113.9 170.9  
 98 59.3 59.4 89.0

Manual Integrations  
 APPROVED

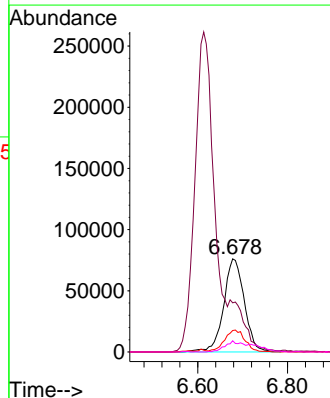
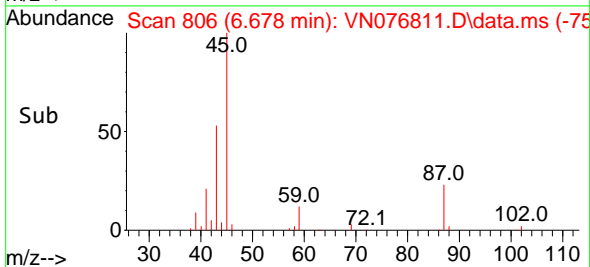
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

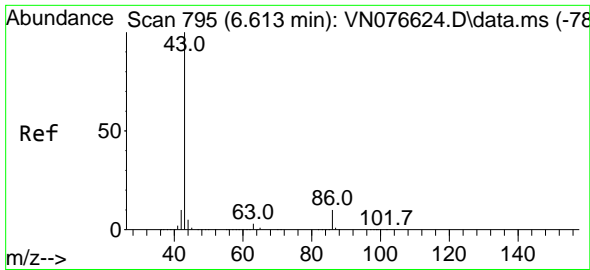


#22  
 Diisopropyl ether  
 Concen: 23.659 ug/l  
 RT: 6.678 min Scan# 806  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 45 Resp: 243802  
 Ion Ratio Lower Upper  
 45 100  
 43 51.4 41.8 62.6  
 87 23.1 21.8 32.8  
 59 12.0 9.3 13.9





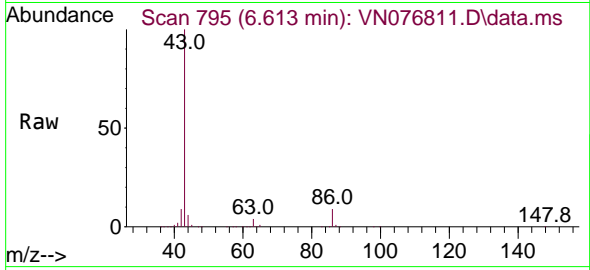
#23  
 Vinyl Acetate  
 Concen: 126.176 ug/l  
 RT: 6.613 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

Client Sample Id :

VN0224MBS01



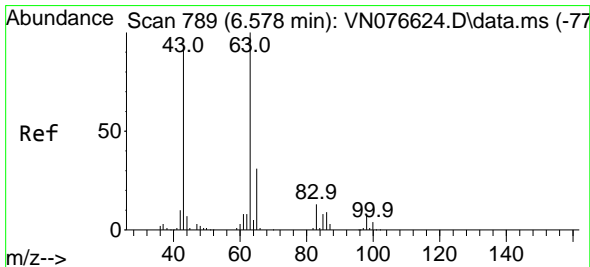
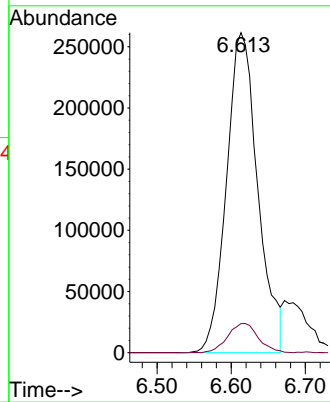
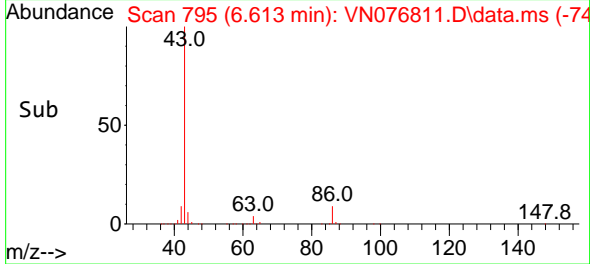
Tgt Ion: 43 Resp: 76930  
 Ion Ratio Lower Upper  
 43 100  
 86 9.1 8.2 12.2

Manual Integrations

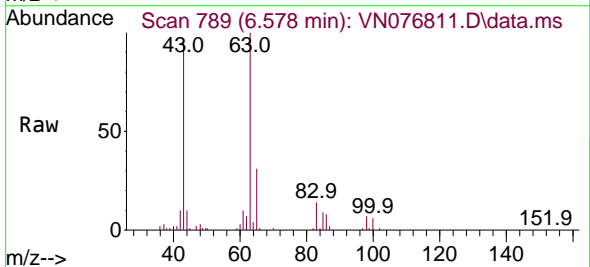
APPROVED

Reviewed By :John Carlone 02/27/2023

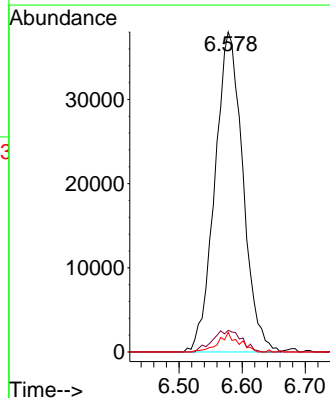
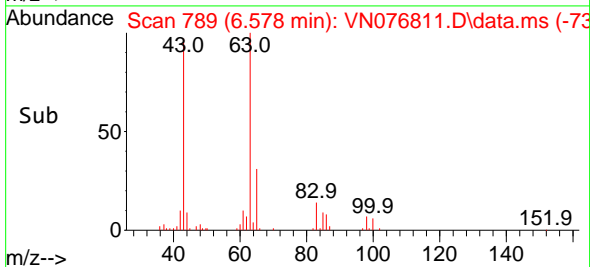
Supervised By :Mahesh Dadoda 02/27/2023



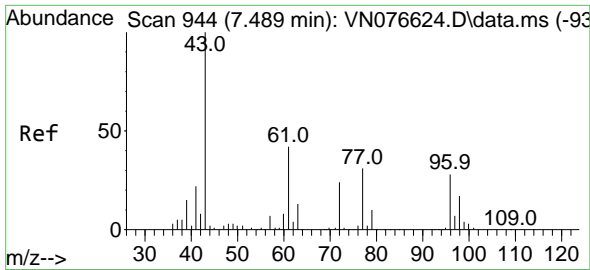
#24  
 1,1-Dichloroethane  
 Concen: 20.700 ug/l  
 RT: 6.578 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 63 Resp: 116906  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 4.1 12.3  
 100 6.1 2.0 5.8#

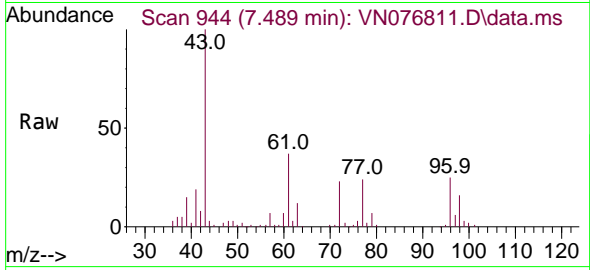






#25  
 2-Butanone  
 Concen: 115.283 ug/l  
 RT: 7.489 min Scan# 944  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

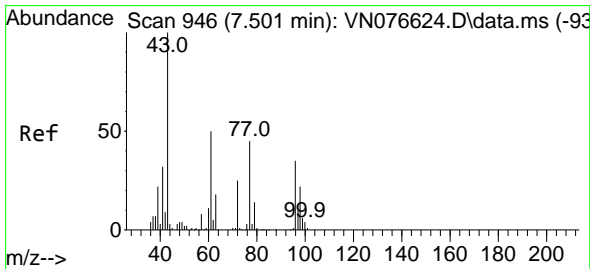
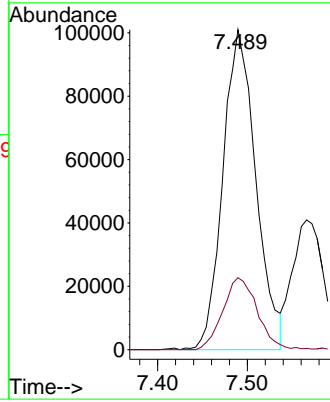
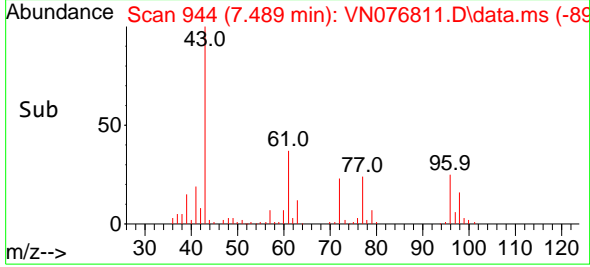
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224MBSD01



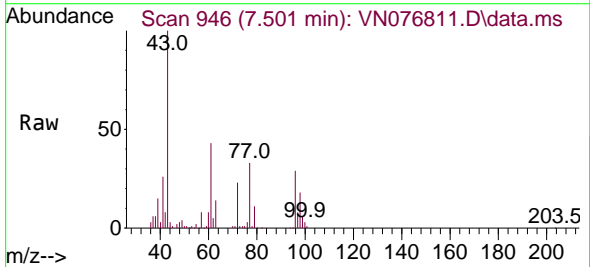
Tgt Ion: 43 Resp: 257672  
 Ion Ratio Lower Upper  
 43 100  
 72 22.5 19.4 29.2

Manual Integrations  
 APPROVED

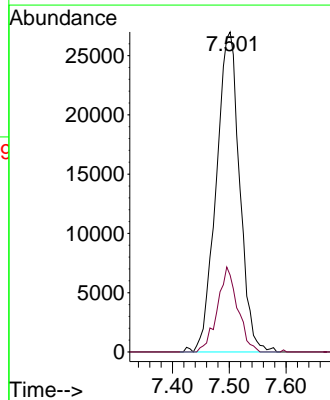
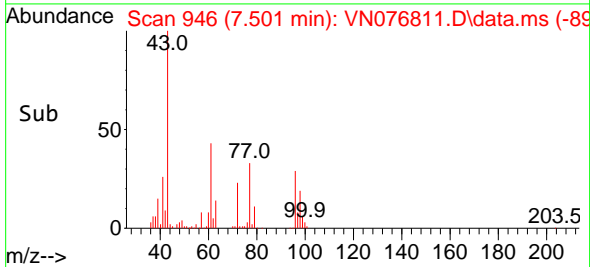
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

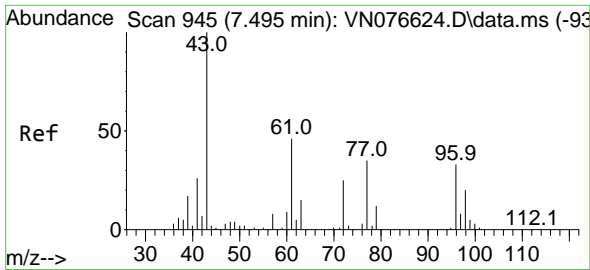


#26  
 2,2-Dichloropropane  
 Concen: 18.957 ug/l  
 RT: 7.501 min Scan# 946  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 77 Resp: 77224  
 Ion Ratio Lower Upper  
 77 100  
 97 23.0 11.9 35.7





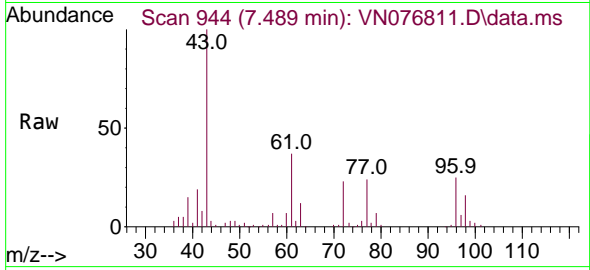
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.794 ug/l  
 RT: 7.489 min Scan# 944  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

Client Sample Id :

VN0224MBS01



Tgt Ion: 96 Resp: 6701

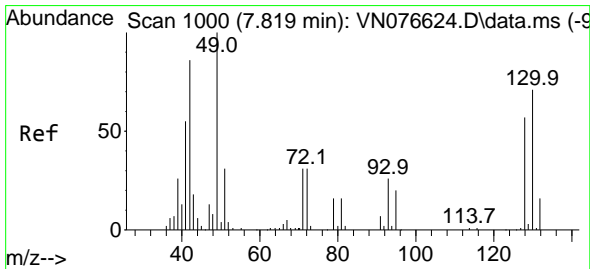
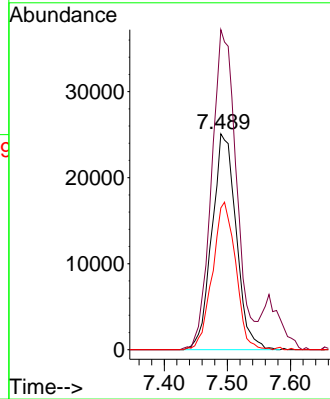
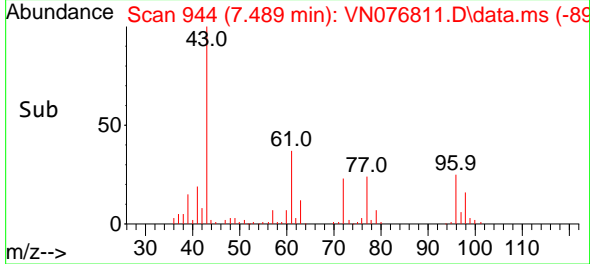
Ion	Ratio	Lower	Upper
96	100		
61	152.5	0.0	286.8
98	65.5	0.0	124.0

Manual Integrations

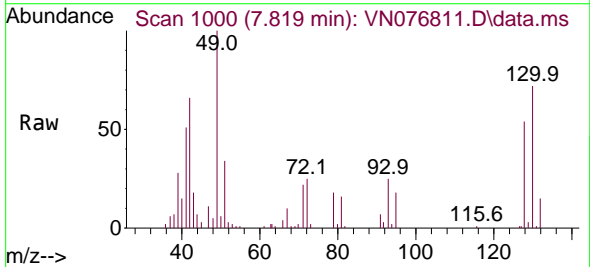
APPROVED

Reviewed By :John Carlone 02/27/2023

Supervised By :Mahesh Dadoda 02/27/2023

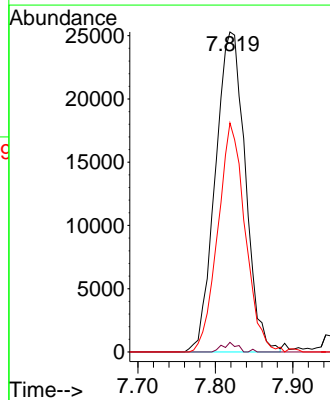
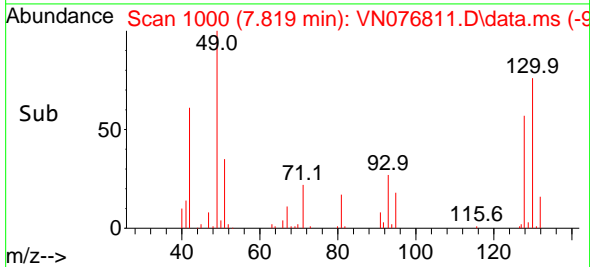


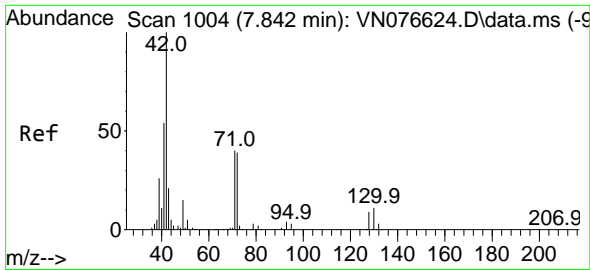
#28  
 Bromochloromethane  
 Concen: 25.308 ug/l  
 RT: 7.819 min Scan# 1000  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 49 Resp: 68027

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	65.3	57.8	86.8





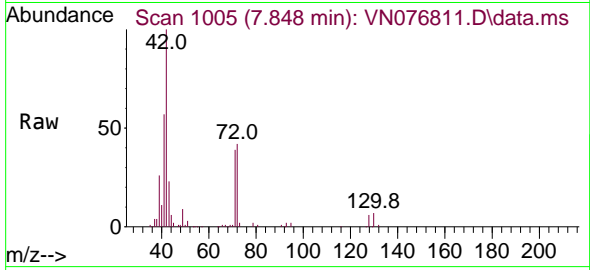
#29  
 Tetrahydrofuran  
 Concen: 119.762 ug/l  
 RT: 7.848 min Scan# 1005  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

Client Sample Id :

VN0224MBSD01



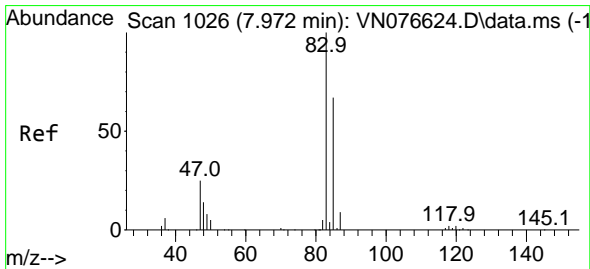
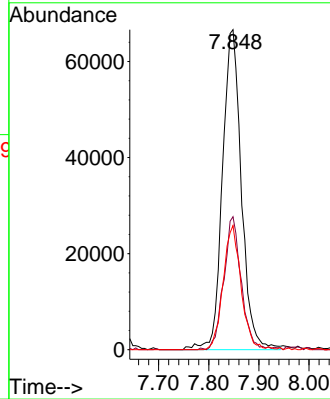
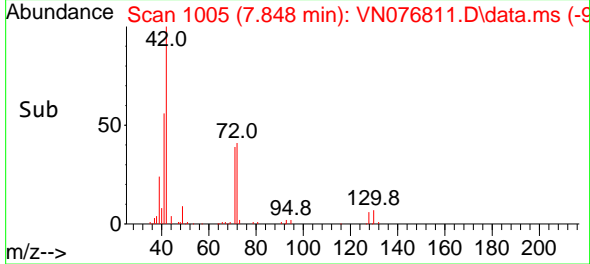
Tgt Ion: 42 Resp: 17489  
 Ion Ratio Lower Upper  
 42 100  
 72 38.3 31.5 47.3  
 71 36.6 29.8 44.8

Manual Integrations

APPROVED

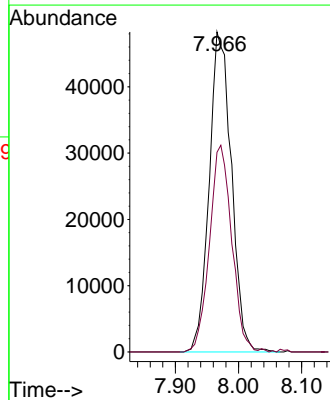
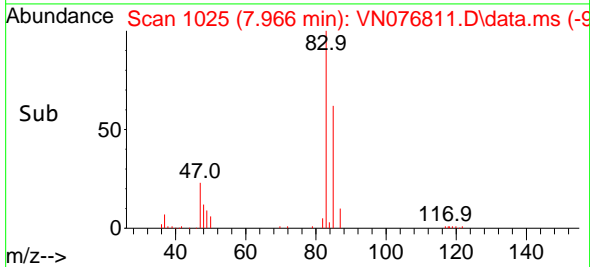
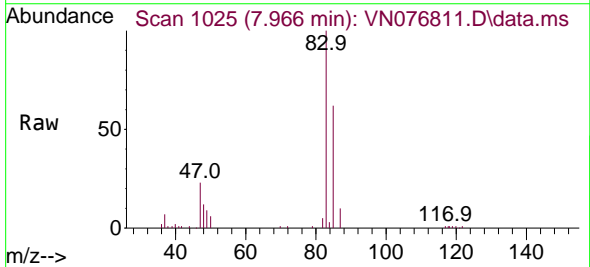
Reviewed By :John Carlone 02/27/2023

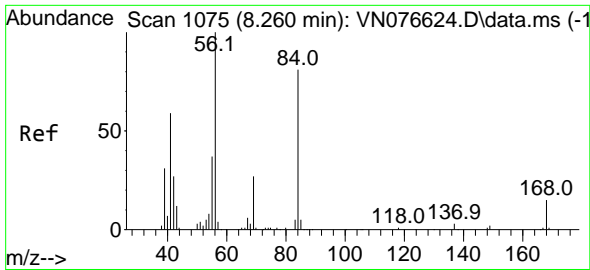
Supervised By :Mahesh Dadoda 02/27/2023



#30  
 Chloroform  
 Concen: 20.889 ug/l  
 RT: 7.966 min Scan# 1025  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

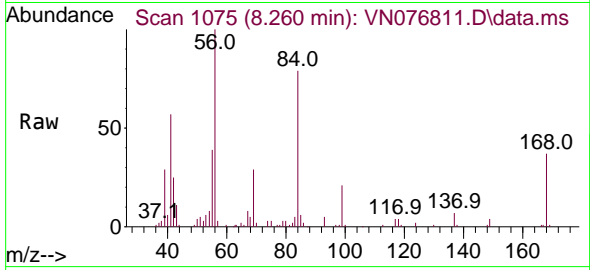
Tgt Ion: 83 Resp: 117873  
 Ion Ratio Lower Upper  
 83 100  
 85 62.4 53.5 80.3





#31  
 Cyclohexane  
 Concen: 18.082 ug/l  
 RT: 8.260 min Scan# 1075  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

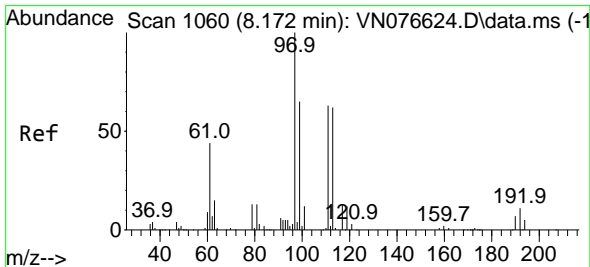
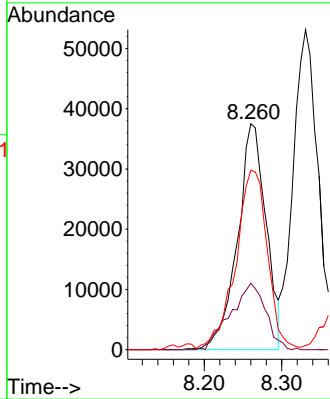
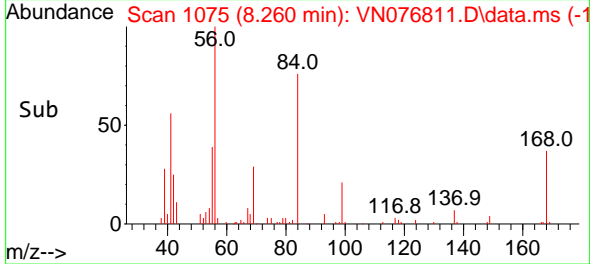
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



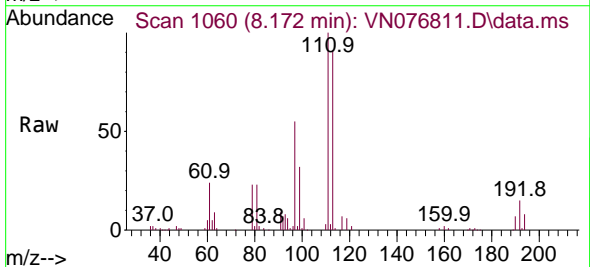
Tgt Ion: 56 Resp: 9621  
 Ion Ratio Lower Upper  
 56 100  
 69 29.4 21.6 32.4  
 84 78.3 65.1 97.7

Manual Integrations  
**APPROVED**

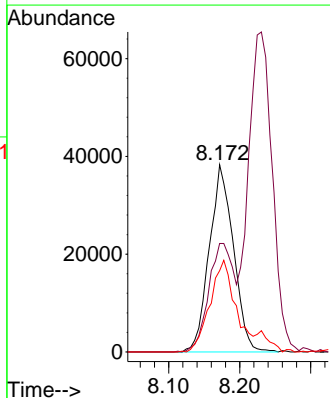
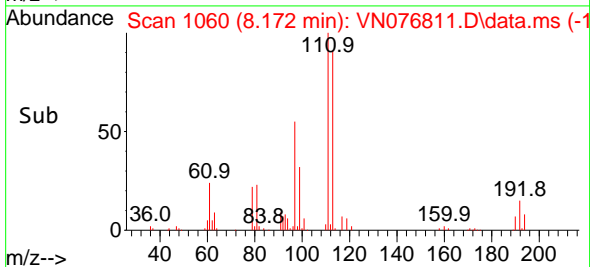
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

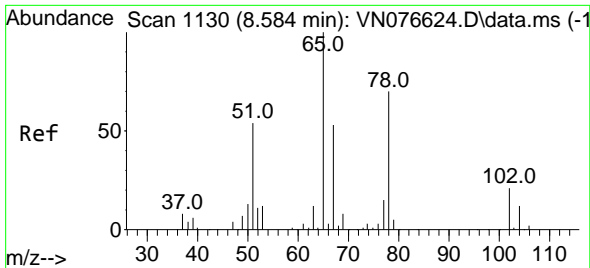


#32  
 1,1,1-Trichloroethane  
 Concen: 19.051 ug/l  
 RT: 8.172 min Scan# 1060  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



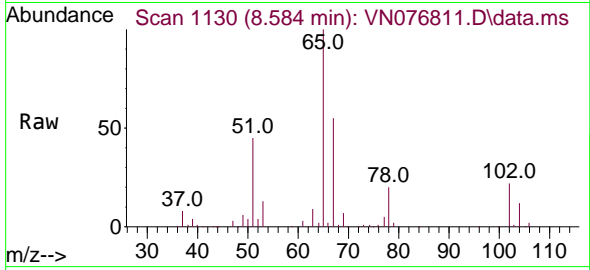
Tgt Ion: 97 Resp: 90386  
 Ion Ratio Lower Upper  
 97 100  
 99 60.1 51.2 76.8  
 61 51.9 38.2 57.2





#33  
 1,2-Dichloroethane-d4  
 Concen: 65.396 ug/l  
 RT: 8.584 min Scan# 1130  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

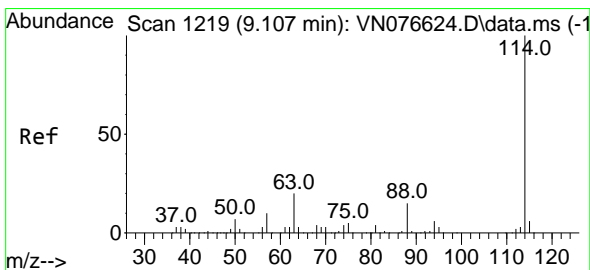
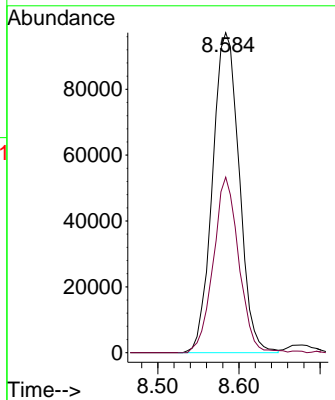
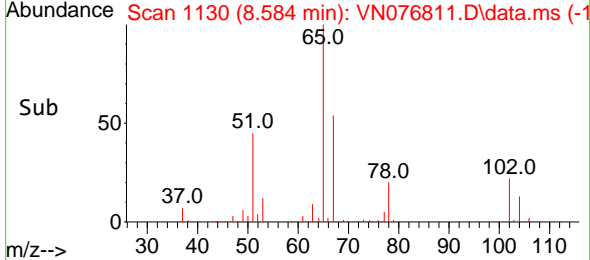
Instrument : MSVOA\_N  
 ClientSampleId : VN0224MBSD01



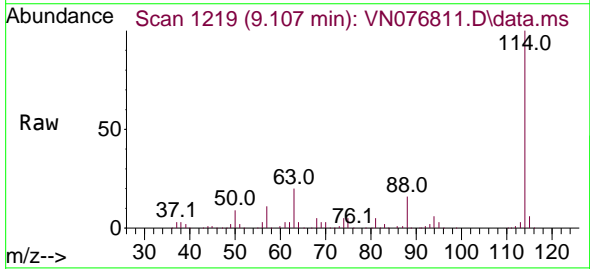
Tgt Ion: 65 Resp: 22183  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 105.6

Manual Integrations  
**APPROVED**

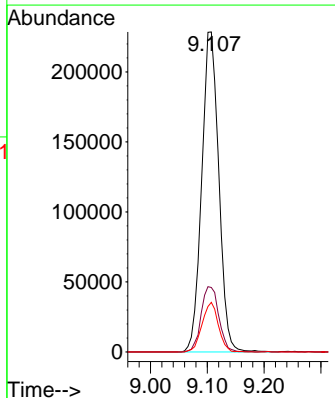
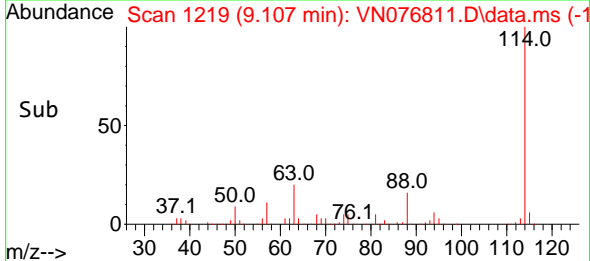
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

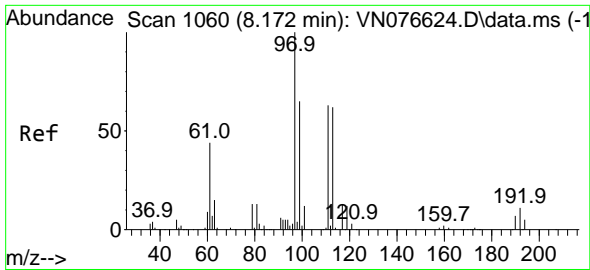


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 9.107 min Scan# 1219  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



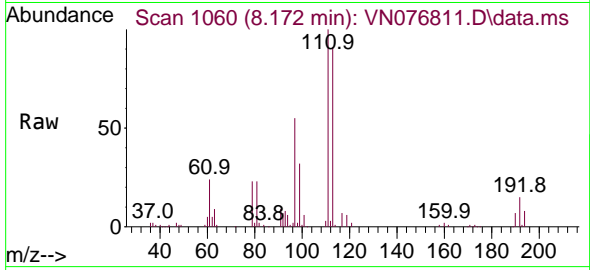
Tgt Ion:114 Resp: 476342  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 40.0  
 88 15.5 0.0 29.6





#35  
 Dibromofluoromethane  
 Concen: 50.551 ug/l  
 RT: 8.172 min Scan# 1060  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

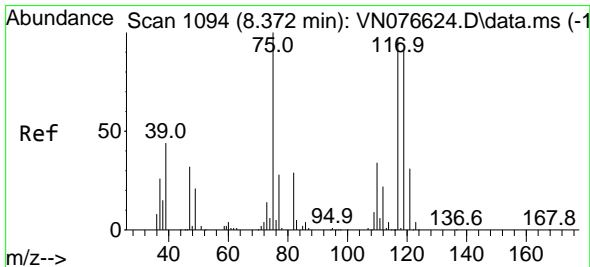
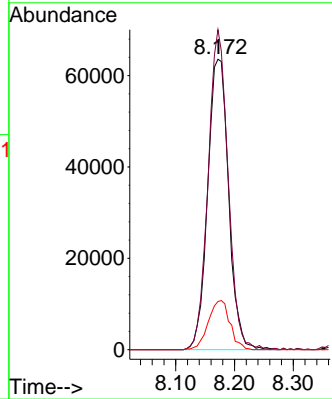
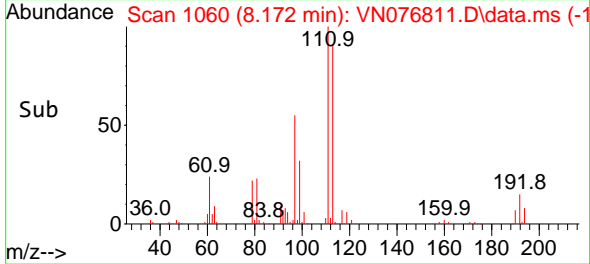
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



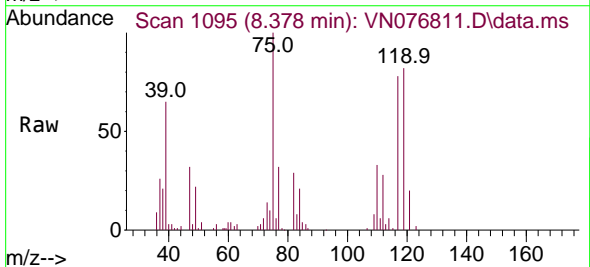
Tgt Ion: 113 Resp: 15769  
 Ion Ratio Lower Upper  
 113 100  
 111 105.0 83.1 124.7  
 192 17.5 15.6 23.4

Manual Integrations  
**APPROVED**

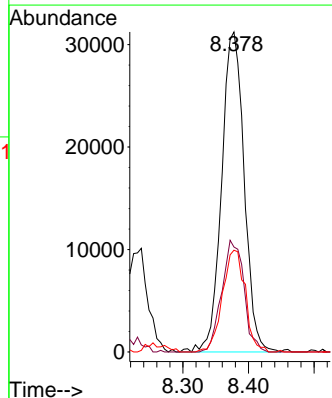
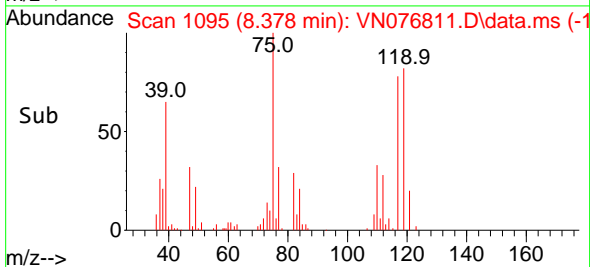
Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

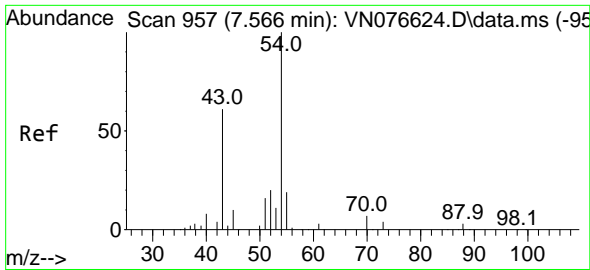


#36  
 1,1-Dichloropropene  
 Concen: 16.540 ug/l  
 RT: 8.378 min Scan# 1095  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 75 Resp: 74547  
 Ion Ratio Lower Upper  
 75 100  
 110 34.3 17.5 52.5  
 77 32.1 24.5 36.7





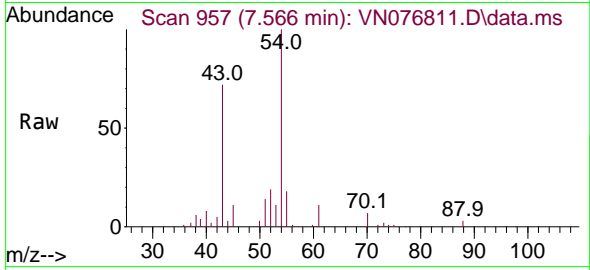
#37  
 Ethyl Acetate  
 Concen: 22.222 ug/l  
 RT: 7.566 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBS01



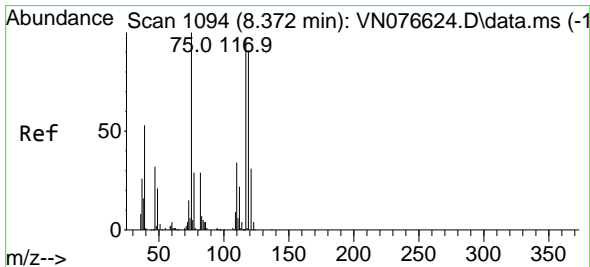
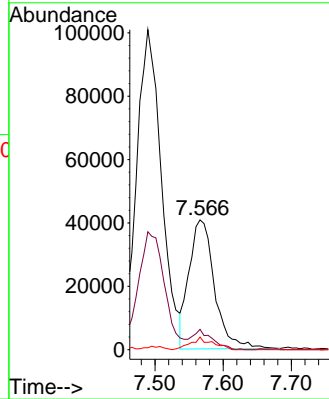
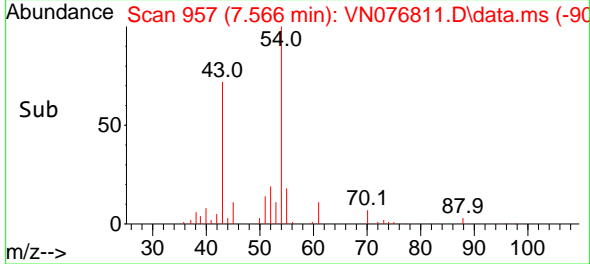
Tgt Ion: 43 Resp: 10538  
 Ion Ratio Lower Upper  
 43 100  
 61 11.8 9.9 14.9  
 70 8.2 7.8 11.6

Manual Integrations

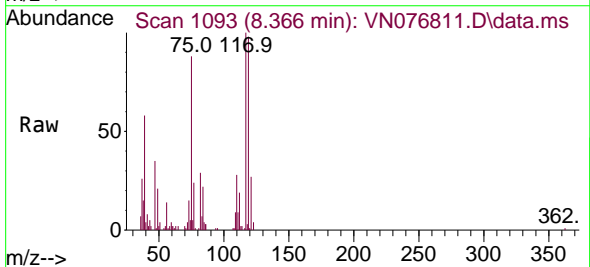
APPROVED

Reviewed By :John Carlone 02/27/2023

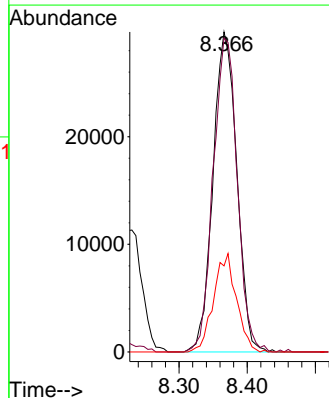
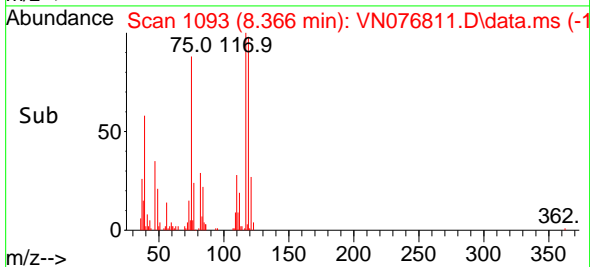
Supervised By :Mahesh Dadoda 02/27/2023

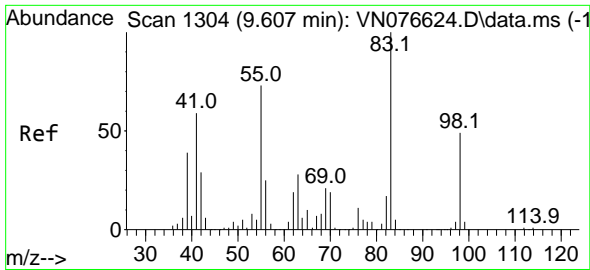


#38  
 Carbon Tetrachloride  
 Concen: 15.930 ug/l  
 RT: 8.366 min Scan# 1093  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



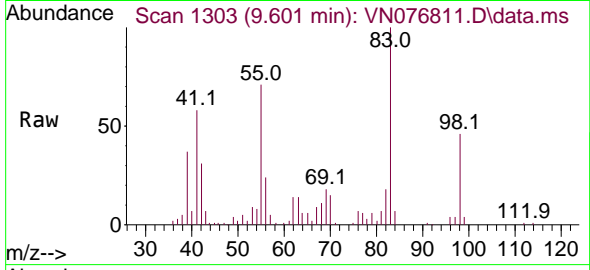
Tgt Ion:117 Resp: 72428  
 Ion Ratio Lower Upper  
 117 100  
 119 98.1 75.4 113.0  
 121 26.9 26.0 39.0





#39  
 Methylcyclohexane  
 Concen: 16.737 ug/l  
 RT: 9.601 min Scan# 11303  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

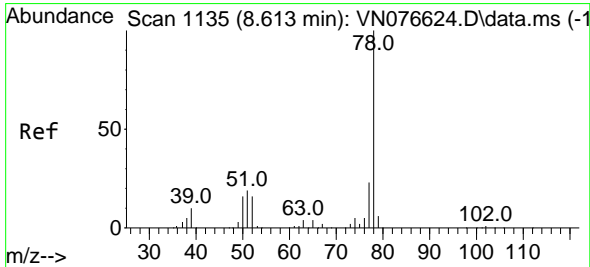
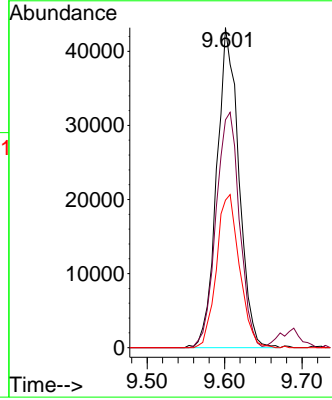
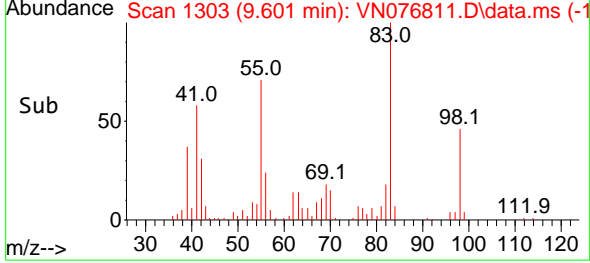
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



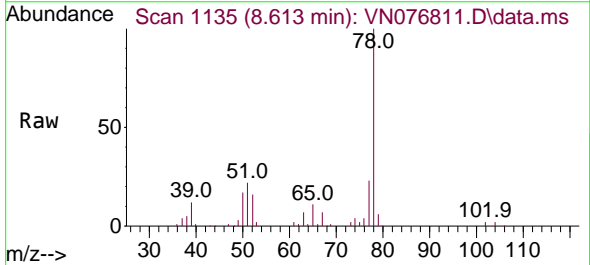
Tgt Ion: 83 Resp: 85748  
 Ion Ratio Lower Upper  
 83 100  
 55 71.2 58.6 88.0  
 98 46.1 39.4 59.2

Manual Integrations  
 APPROVED

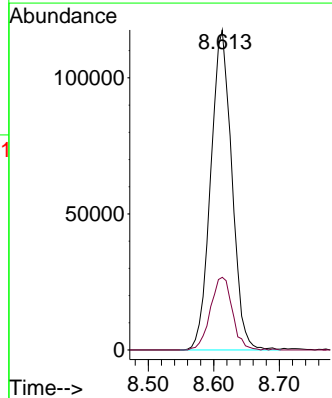
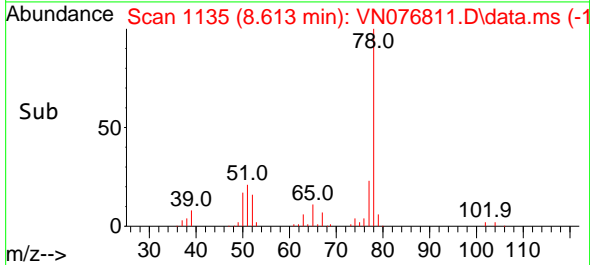
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023



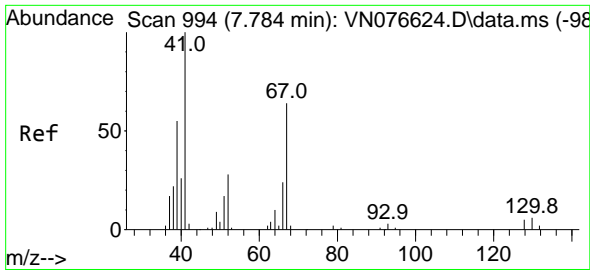
#40  
 Benzene  
 Concen: 18.980 ug/l  
 RT: 8.613 min Scan# 1135  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 78 Resp: 262710  
 Ion Ratio Lower Upper  
 78 100  
 77 22.7 18.2 27.4







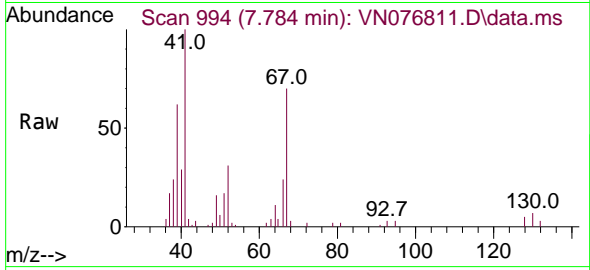
#41  
 Methacrylonitrile  
 Concen: 21.141 ug/l  
 RT: 7.784 min Scan# 994  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



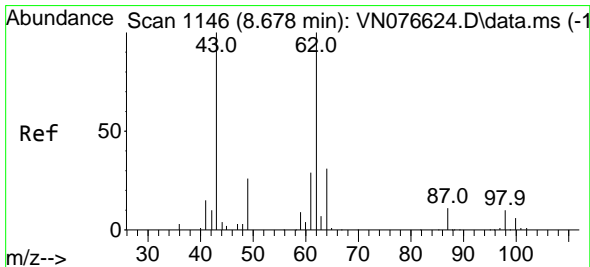
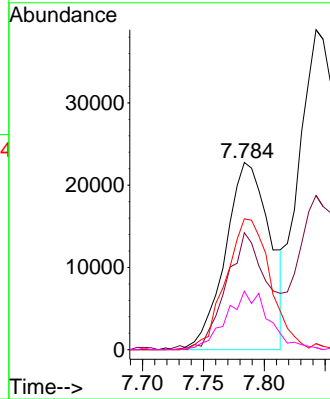
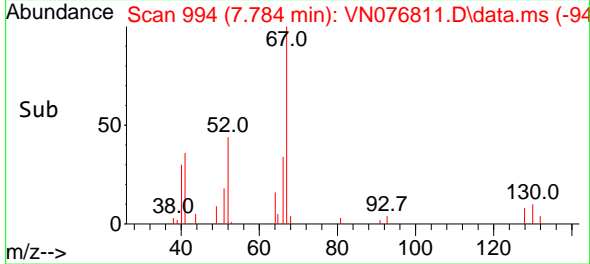
Tgt Ion: 41 Resp: 58078  
 Ion Ratio Lower Upper  
 41 100  
 39 57.9 42.6 63.8  
 67 69.3 51.4 77.0  
 52 30.2 22.5 33.7

Manual Integrations

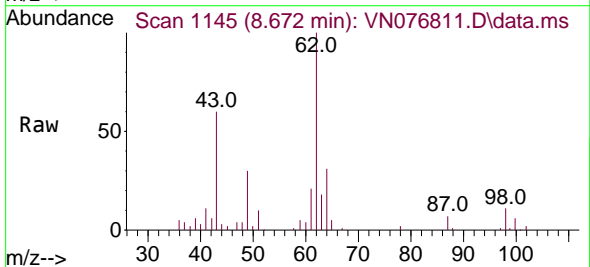
APPROVED

Reviewed By :John Carlone 02/27/2023

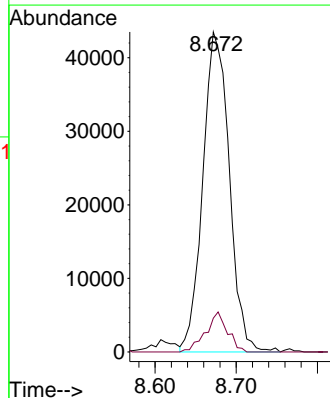
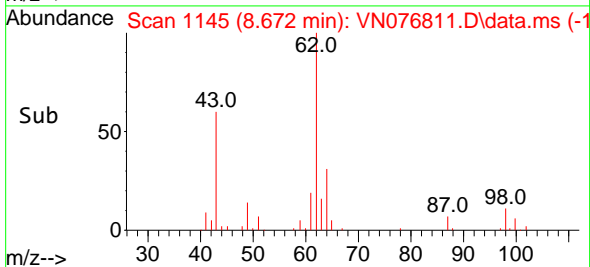
Supervised By :Mahesh Dadoda 02/27/2023

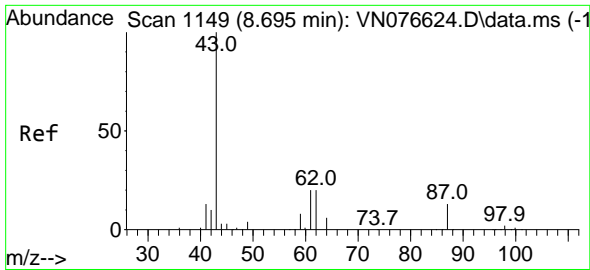


#42  
 1,2-Dichloroethane  
 Concen: 20.418 ug/l  
 RT: 8.672 min Scan# 1145  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



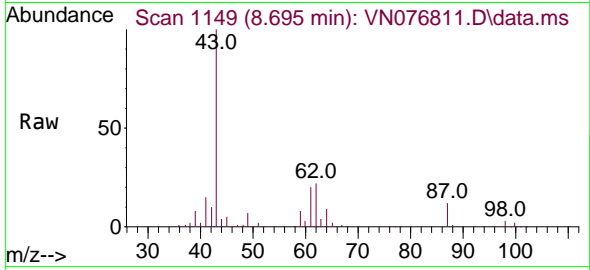
Tgt Ion: 62 Resp: 98565  
 Ion Ratio Lower Upper  
 62 100  
 98 10.2 0.0 19.2





#43  
 Isopropyl Acetate  
 Concen: 24.952 ug/l  
 RT: 8.695 min Scan# 1149  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

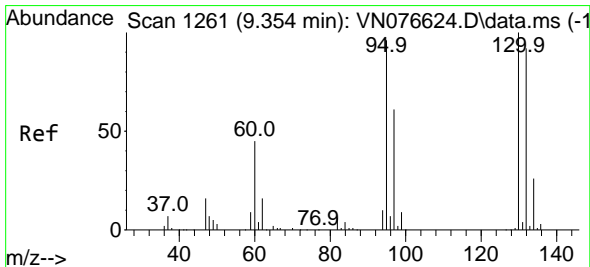
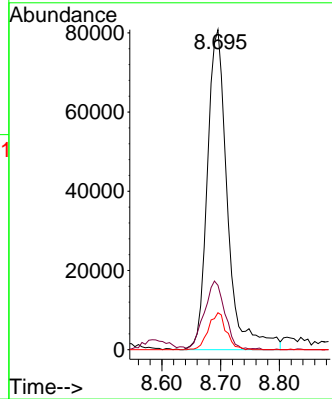
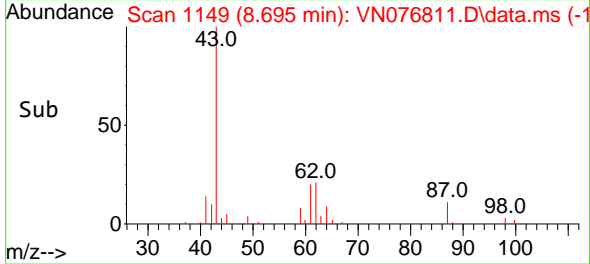
Instrument : MSVOA\_N  
 ClientSampleId : VN0224MBSD01



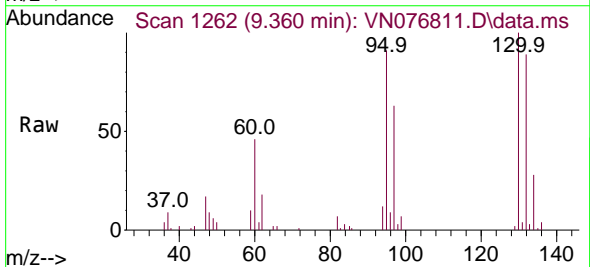
Tgt Ion: 43 Resp: 19254  
 Ion Ratio Lower Upper  
 43 100  
 61 21.5 20.0 30.0  
 87 10.3 9.9 14.9

Manual Integrations  
 APPROVED

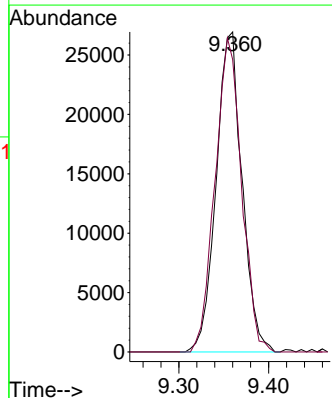
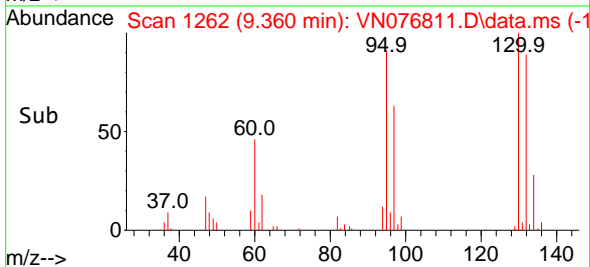
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

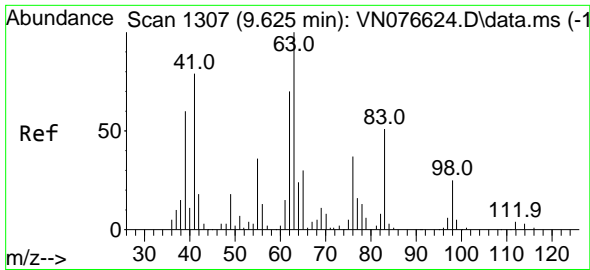


#44  
 Trichloroethene  
 Concen: 16.515 ug/l  
 RT: 9.360 min Scan# 1262  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



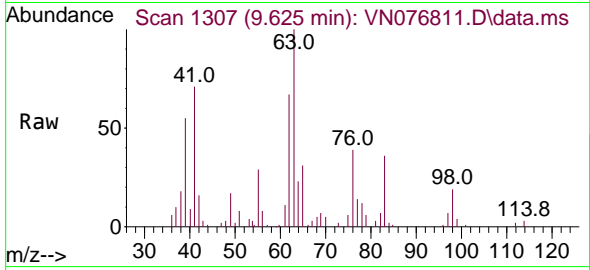
Tgt Ion:130 Resp: 54017  
 Ion Ratio Lower Upper  
 130 100  
 95 91.4 0.0 191.4





#45  
 1,2-Dichloropropane  
 Concen: 19.797 ug/l  
 RT: 9.625 min Scan# 1111  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

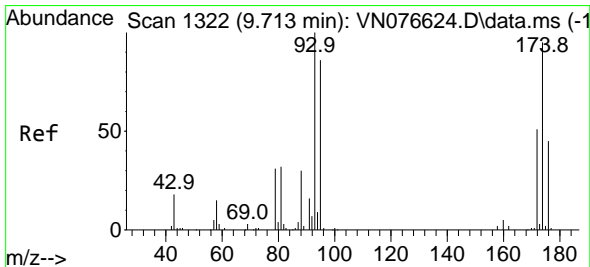
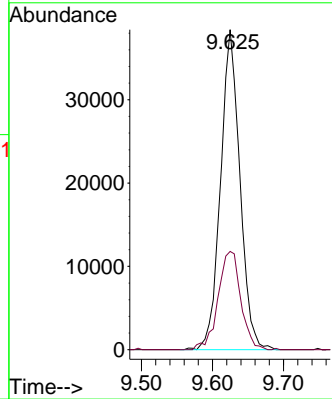
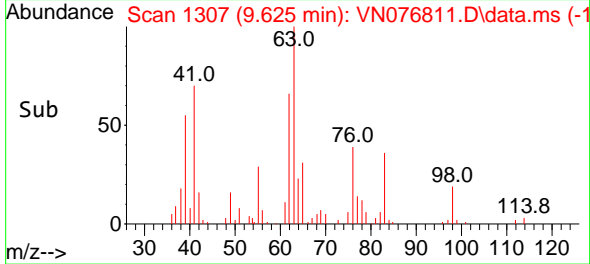
Instrument : MSVOA\_N  
 ClientSampleId : VN0224MBSD01



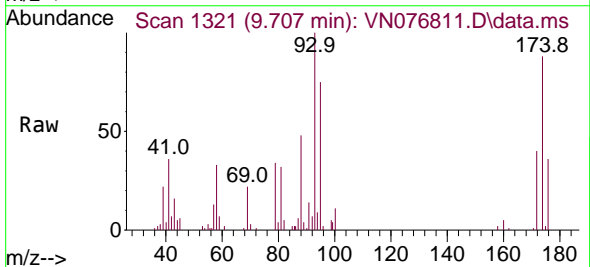
Tgt Ion: 63 Resp: 72534  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.2 36.2

Manual Integrations  
**APPROVED**

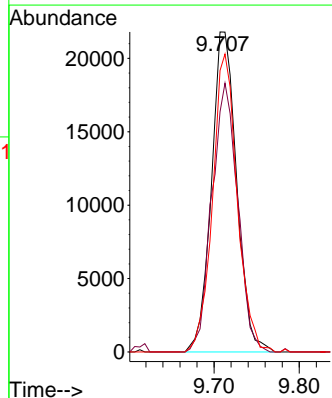
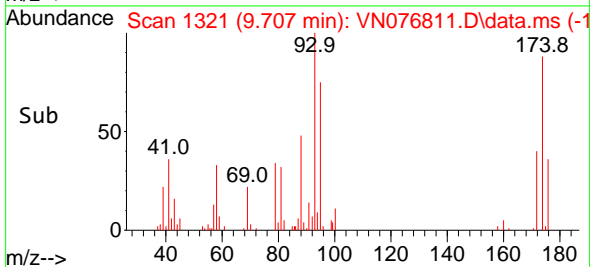
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

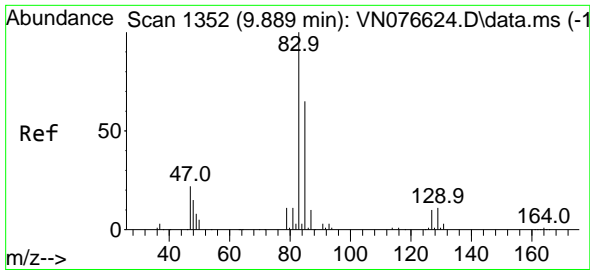


#46  
 Dibromomethane  
 Concen: 19.145 ug/l  
 RT: 9.707 min Scan# 1321  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



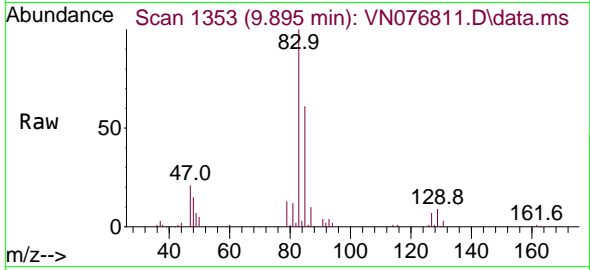
Tgt Ion: 93 Resp: 44845  
 Ion Ratio Lower Upper  
 93 100  
 95 85.9 66.0 99.0  
 174 90.8 75.8 113.8





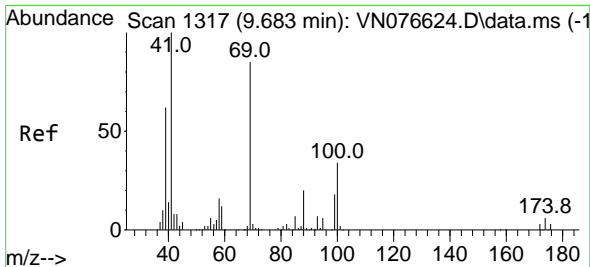
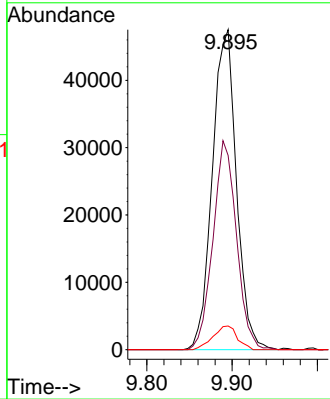
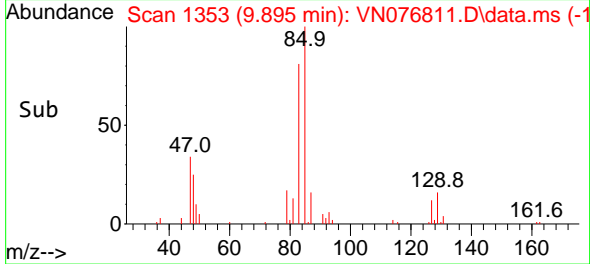
#47  
 Bromodichloromethane  
 Concen: 19.901 ug/l  
 RT: 9.895 min Scan# 1353  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 ClientSampleId : VN0224MBSD01

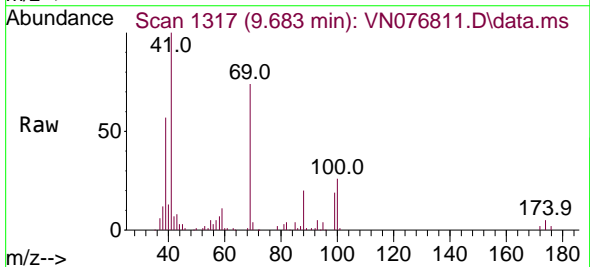


Tgt Ion: 83 Resp: 9345  
 Ion Ratio Lower Upper  
 83 100  
 85 60.7 51.8 77.6  
 127 7.4 7.9 11.9

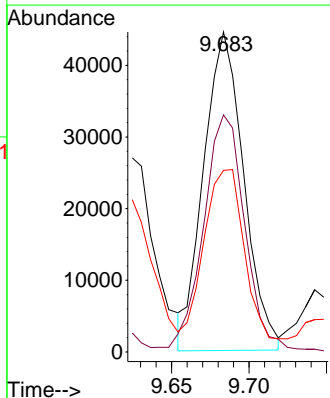
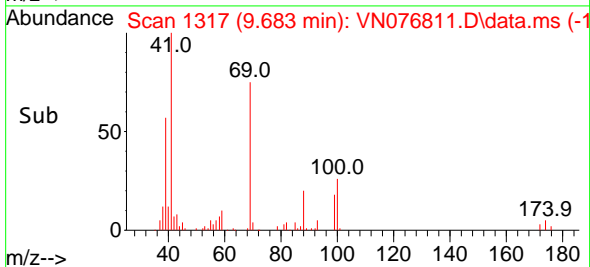
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

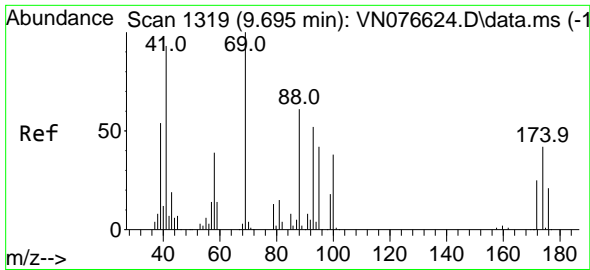


#48  
 Methyl methacrylate  
 Concen: 21.816 ug/l  
 RT: 9.683 min Scan# 1317  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



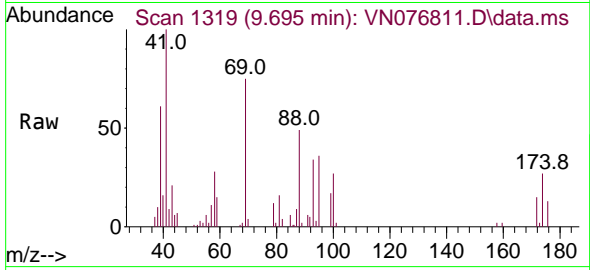
Tgt Ion: 41 Resp: 79882  
 Ion Ratio Lower Upper  
 41 100  
 69 76.9 65.4 98.0  
 39 61.0 49.3 73.9





#49  
 1,4-Dioxane  
 Concen: 455.558 ug/l  
 RT: 9.695 min Scan# 1319  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

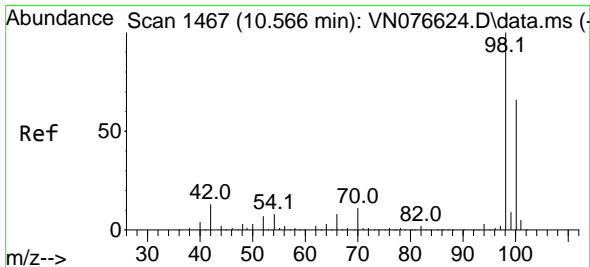
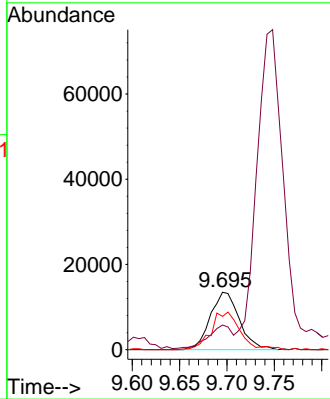
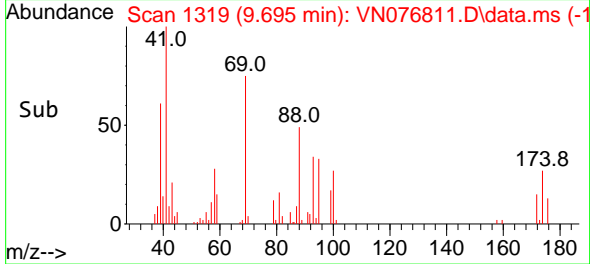
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



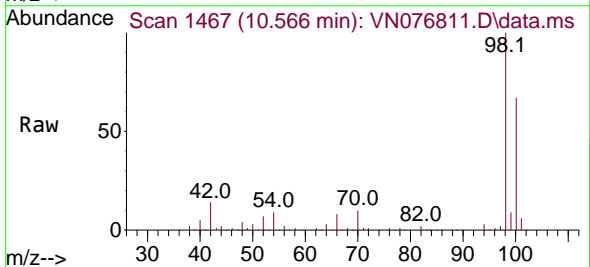
Tgt Ion: 88 Resp: 2885  
 Ion Ratio Lower Upper  
 88 100  
 43 33.3 22.6 33.8  
 58 65.5 57.6 86.4

Manual Integrations  
 APPROVED

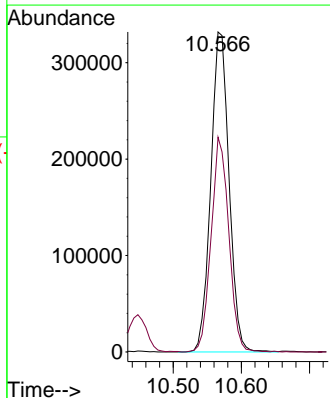
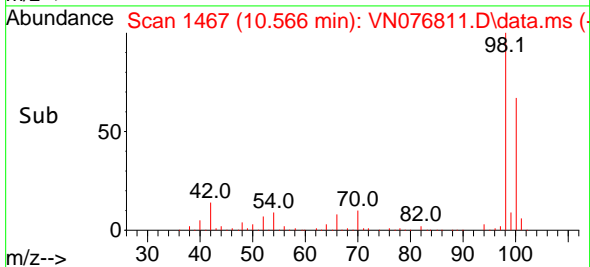
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

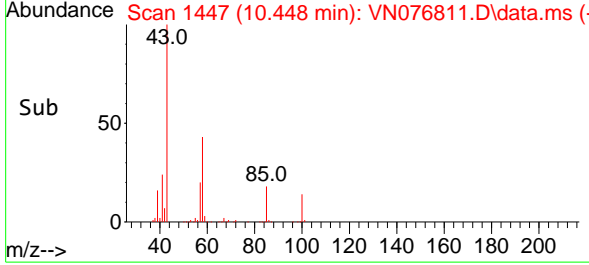
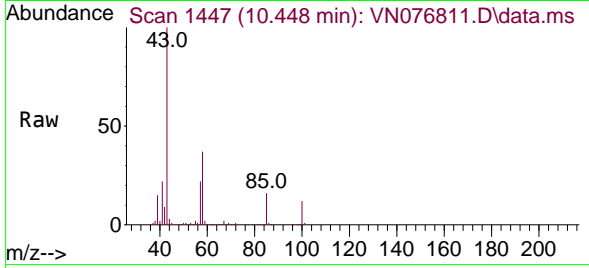
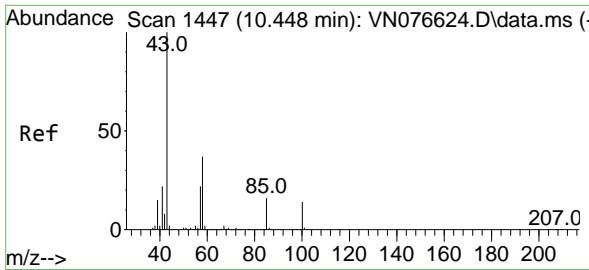


#50  
 Toluene-d8  
 Concen: 53.086 ug/l  
 RT: 10.566 min Scan# 1467  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 98 Resp: 618438  
 Ion Ratio Lower Upper  
 98 100  
 100 65.0 52.9 79.3





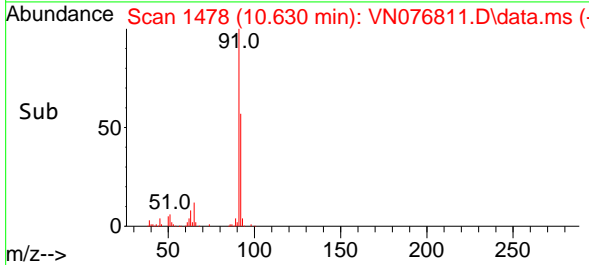
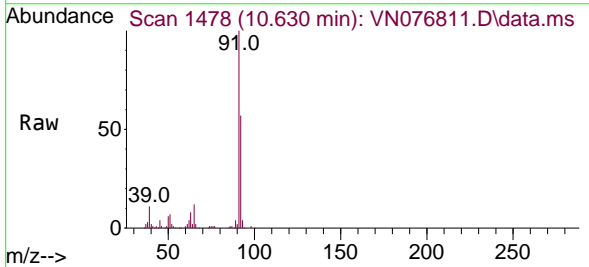
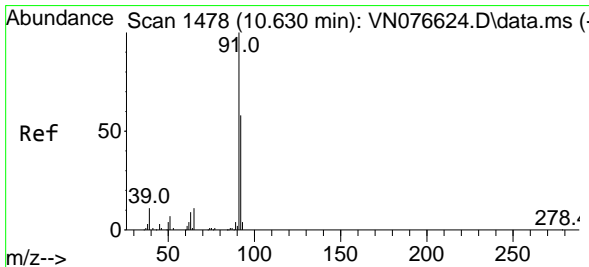
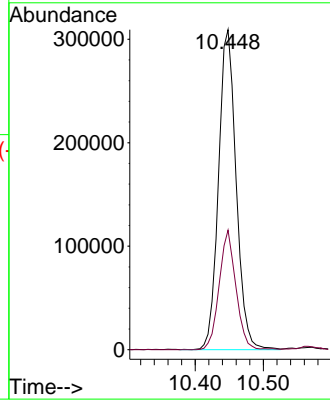
#51  
 4-Methyl-2-Pentanone  
 Concen: 113.404 ug/l  
 RT: 10.448 min Scan# 1447  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

**Instrument :**  
 MSVOA\_N  
**ClientSampleId :**  
 VN0224MBSD01

Tgt Ion: 43 Resp: 556768  
 Ion Ratio Lower Upper  
 43 100  
 58 35.5 29.5 44.3

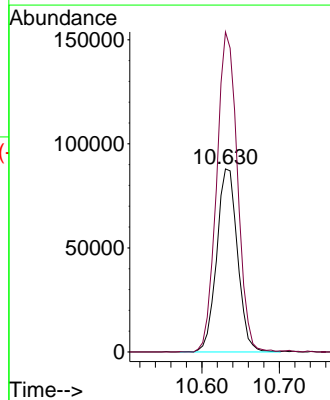
**Manual Integrations**  
**APPROVED**

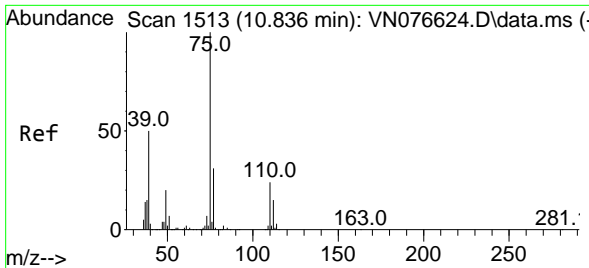
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023



#52  
 Toluene  
 Concen: 19.666 ug/l  
 RT: 10.630 min Scan# 1478  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Tgt Ion: 92 Resp: 164337  
 Ion Ratio Lower Upper  
 92 100  
 91 174.5 138.0 207.0





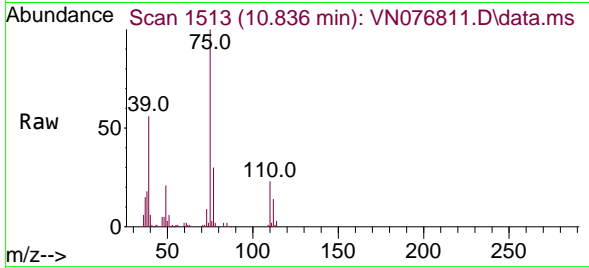
#53  
 t-1,3-Dichloropropene  
 Concen: 20.613 ug/l  
 RT: 10.836 min Scan# 1513  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



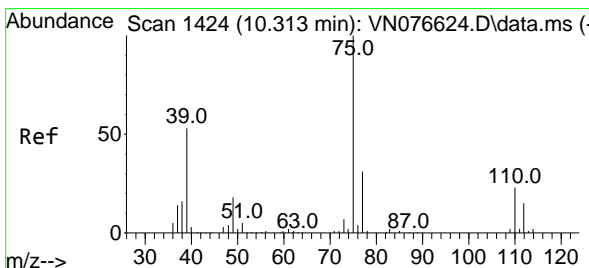
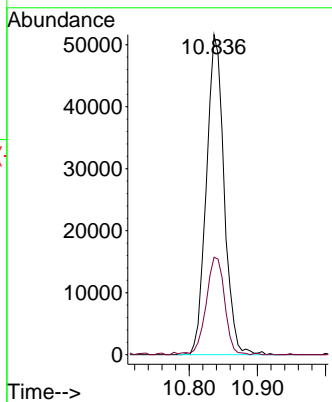
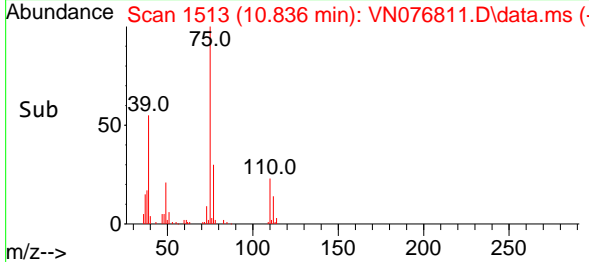
Tgt Ion: 75 Resp: 9343  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 24.6 37.0

Manual Integrations

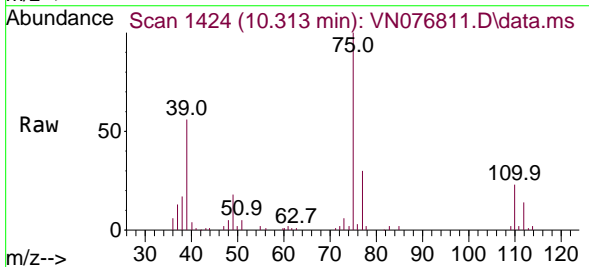
APPROVED

Reviewed By :John Carlone 02/27/2023

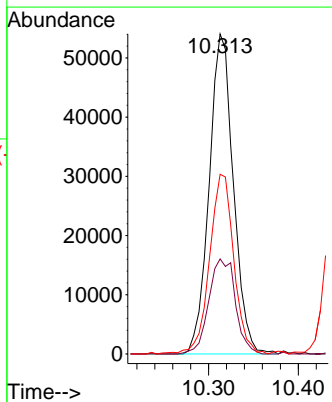
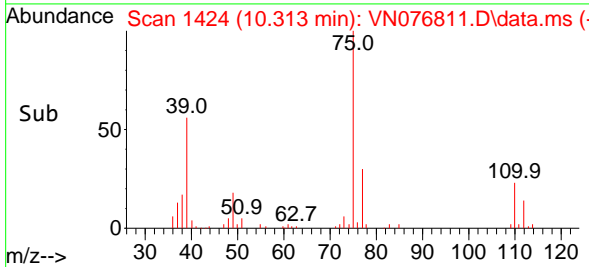
Supervised By :Mahesh Dadoda 02/27/2023

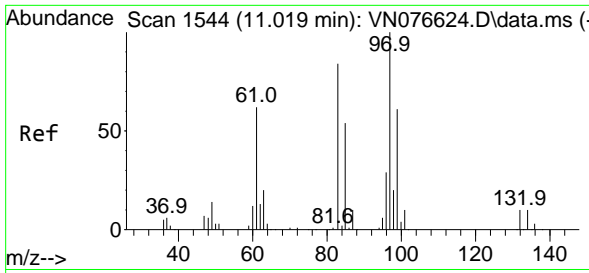


#54  
 cis-1,3-Dichloropropene  
 Concen: 19.374 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



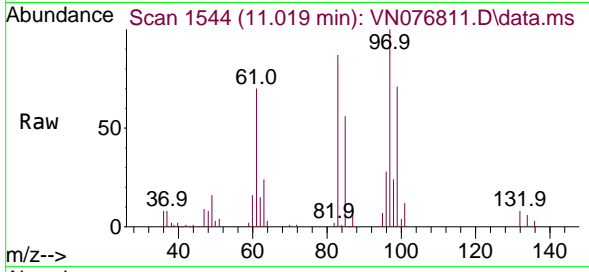
Tgt Ion: 75 Resp: 101298  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 25.1 37.7  
 39 55.7 42.3 63.5





#55  
 1,1,2-Trichloroethane  
 Concen: 20.605 ug/l  
 RT: 11.019 min Scan# 1519  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01

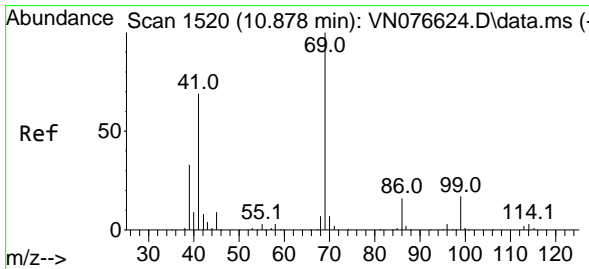
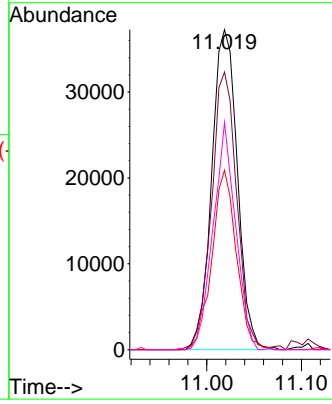
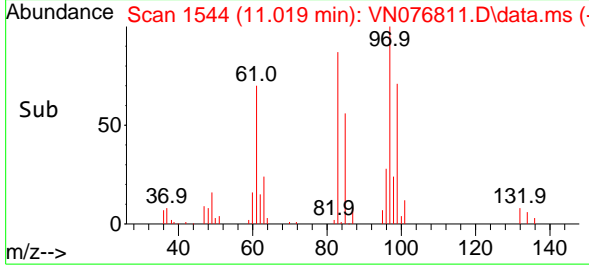


Tgt Ion: 97 Resp: 7001

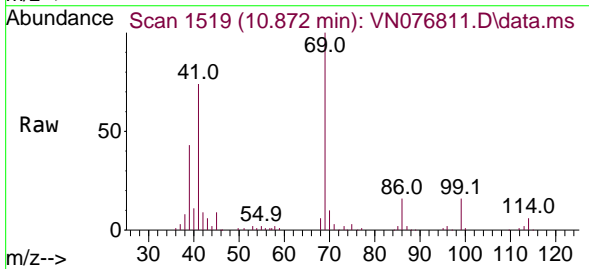
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.3	100.9
85	56.1	43.2	64.8
99	71.1	49.0	73.4

Manual Integrations  
**APPROVED**

Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

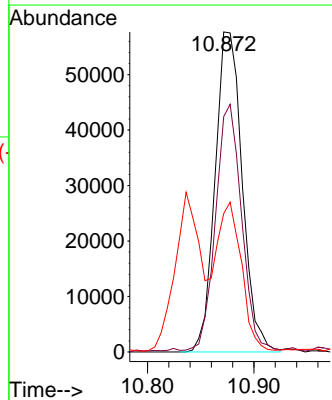
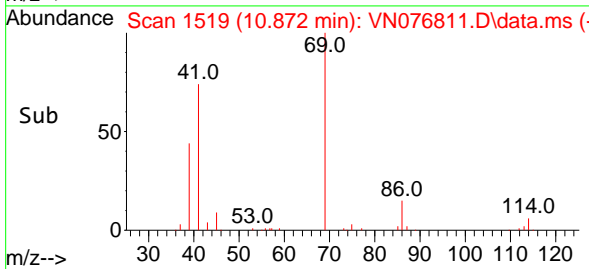


#56  
 Ethyl methacrylate  
 Concen: 21.343 ug/l  
 RT: 10.872 min Scan# 1519  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

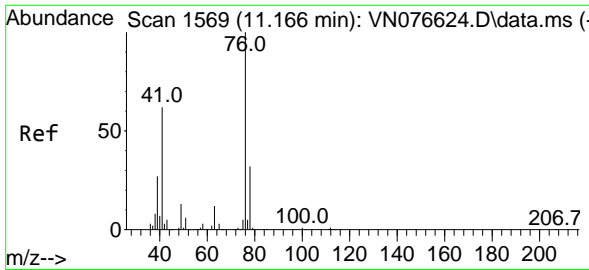


Tgt Ion: 69 Resp: 102080

Ion	Ratio	Lower	Upper
69	100		
41	73.2	55.1	82.7
39	44.4	30.7	46.1

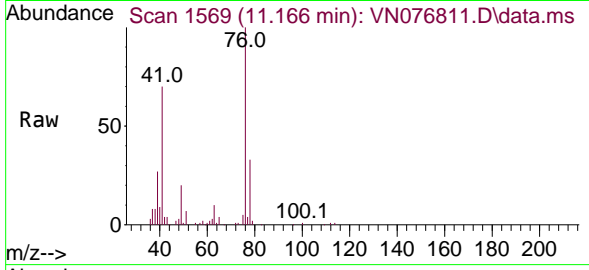






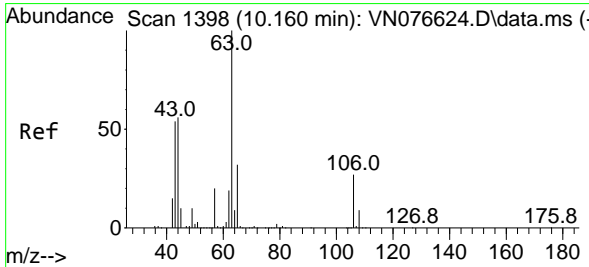
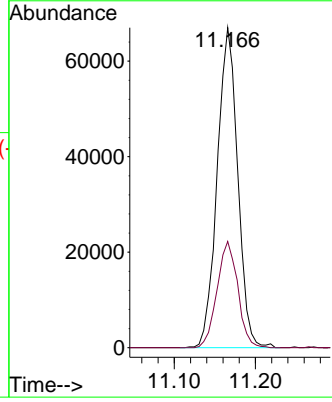
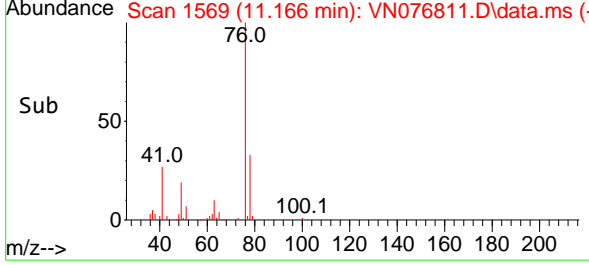
#57  
 1,3-Dichloropropane  
 Concen: 20.176 ug/l  
 RT: 11.166 min Scan# 1569  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01

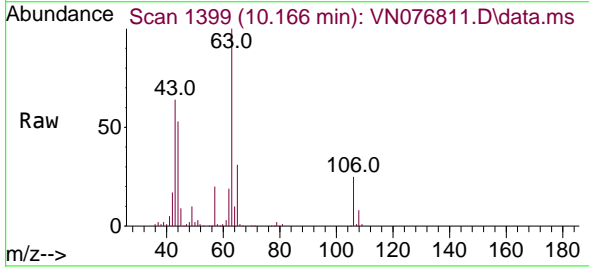


Tgt Ion: 76 Resp: 11778  
 Ion Ratio Lower Upper  
 76 100  
 78 33.5 26.1 39.1

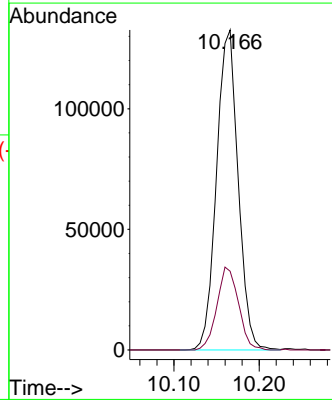
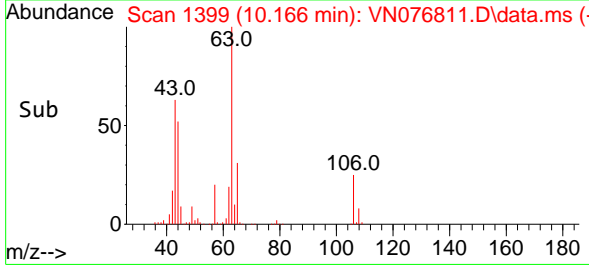
Manual Integrations  
**APPROVED**  
 Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

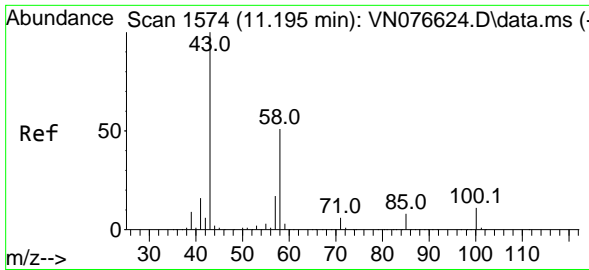


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 106.502 ug/l  
 RT: 10.166 min Scan# 1399  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



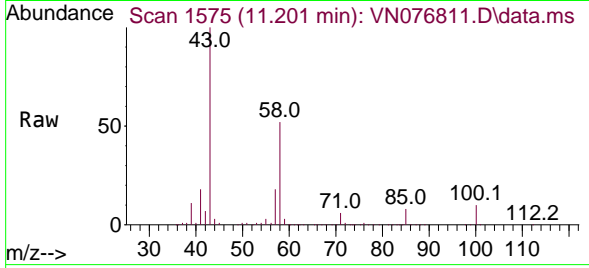
Tgt Ion: 63 Resp: 233289  
 Ion Ratio Lower Upper  
 63 100  
 106 25.8 22.3 33.5





#59  
 2-Hexanone  
 Concen: 113.172 ug/l  
 RT: 11.201 min Scan# 111  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

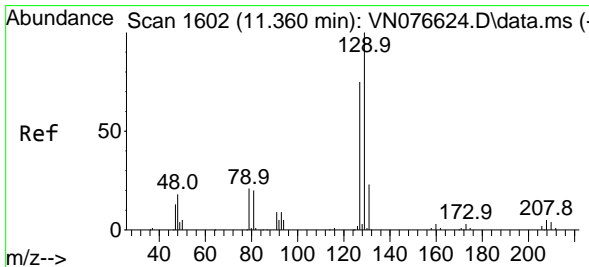
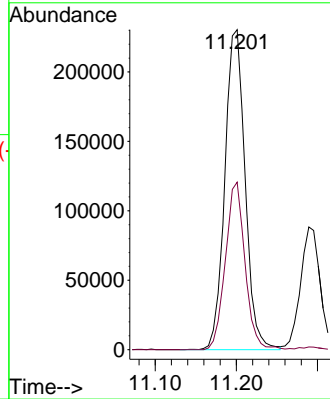
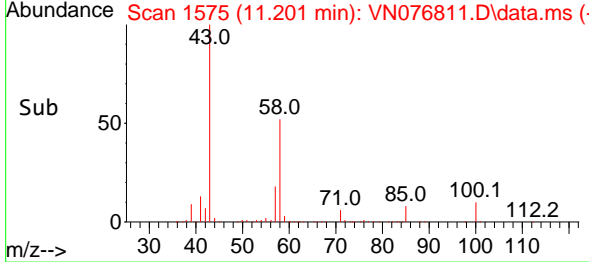
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224MBSD01



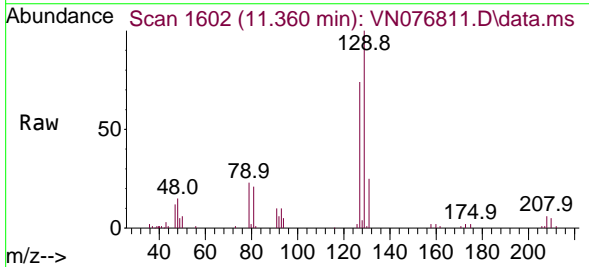
Tgt Ion: 43 Resp: 400629  
 Ion Ratio Lower Upper  
 43 100  
 58 50.6 25.4 76.0

Manual Integrations  
**APPROVED**

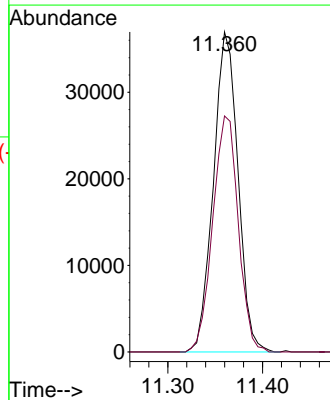
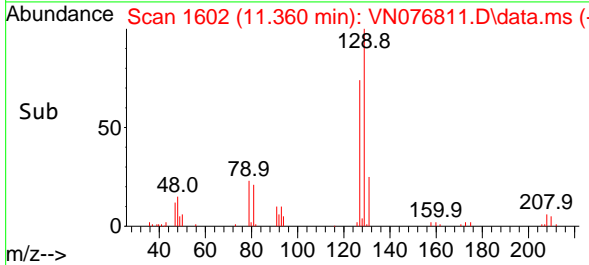
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

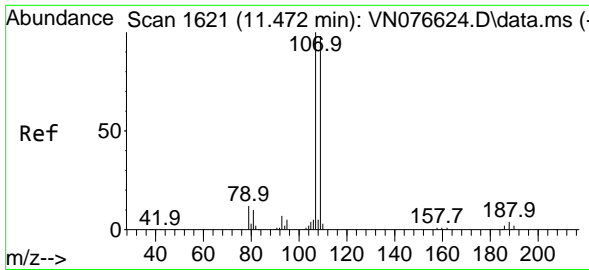


#60  
 Dibromochloromethane  
 Concen: 18.620 ug/l  
 RT: 11.360 min Scan# 1602  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



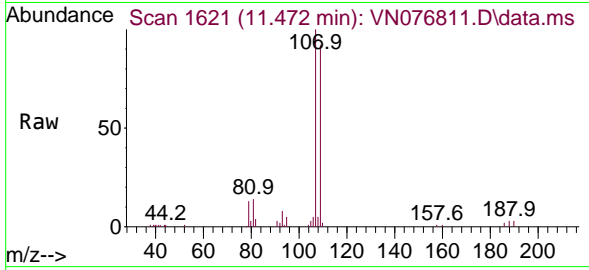
Tgt Ion:129 Resp: 66684  
 Ion Ratio Lower Upper  
 129 100  
 127 76.6 38.8 116.4





#61  
 1,2-Dibromoethane  
 Concen: 20.140 ug/l  
 RT: 11.472 min Scan# 107  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

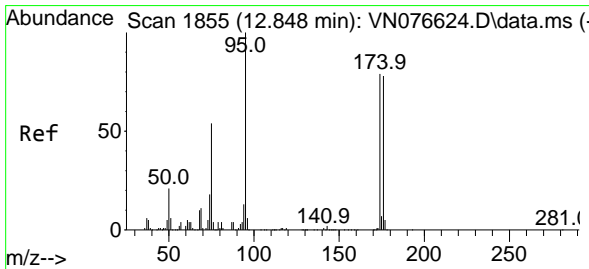
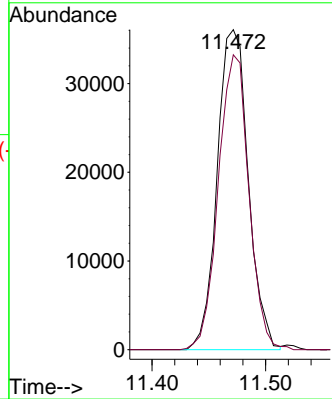
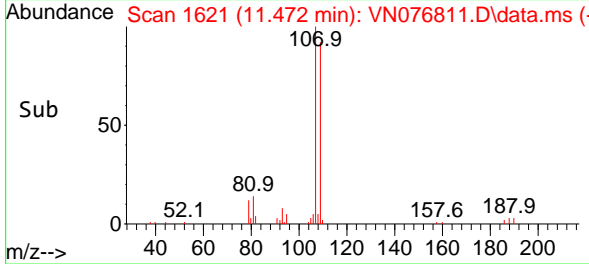
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBS01



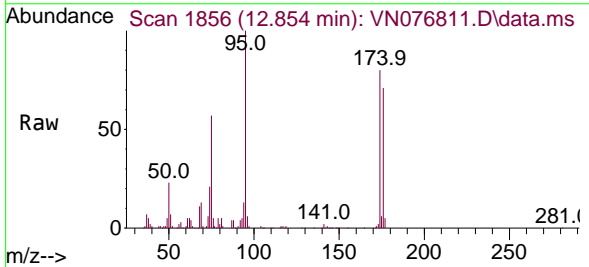
Tgt Ion: 107 Resp: 68500  
 Ion Ratio Lower Upper  
 107 100  
 109 90.5 76.8 115.2

Manual Integrations  
**APPROVED**

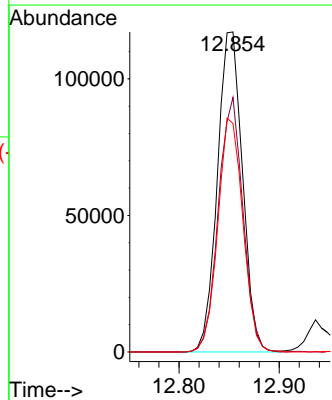
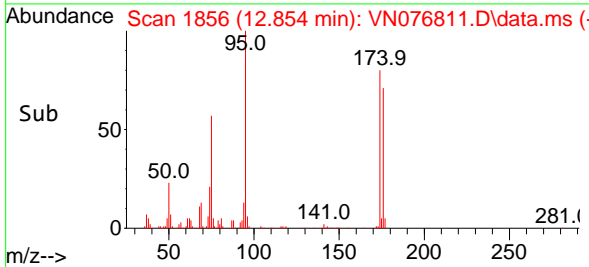
Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

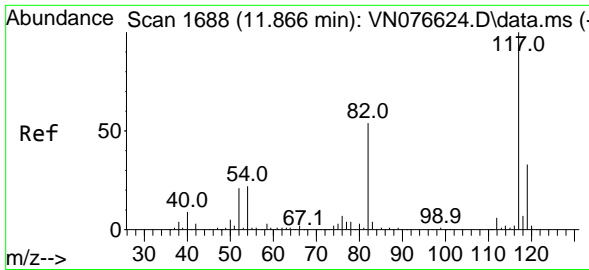


#62  
 4-Bromofluorobenzene  
 Concen: 52.826 ug/l  
 RT: 12.854 min Scan# 1856  
 Delta R.T. 0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



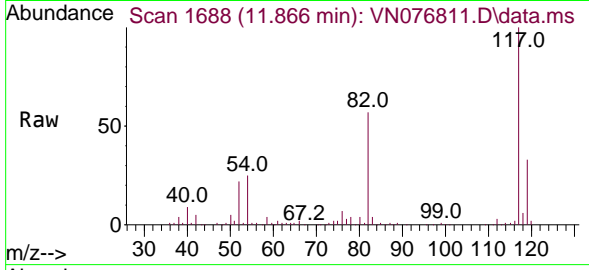
Tgt Ion: 95 Resp: 203826  
 Ion Ratio Lower Upper  
 95 100  
 174 77.7 0.0 169.2  
 176 73.1 0.0 163.4





#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.866 min Scan# 1170  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

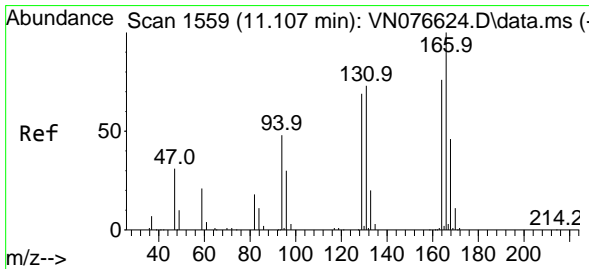
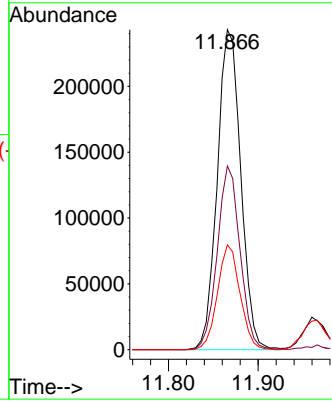
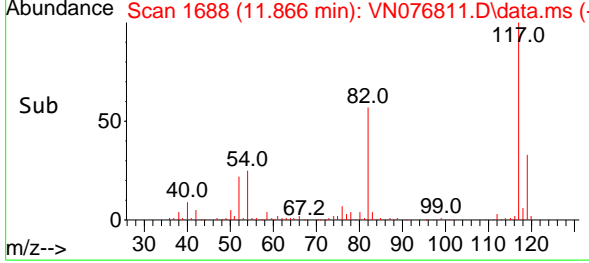
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBS01



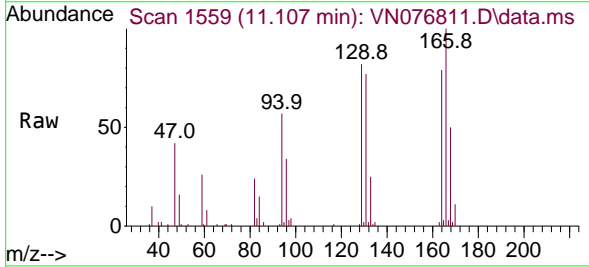
Tgt Ion:117 Resp: 442499  
 Ion Ratio Lower Upper  
 117 100  
 82 57.4 43.4 65.2  
 119 32.7 26.1 39.1

Manual Integrations  
**APPROVED**

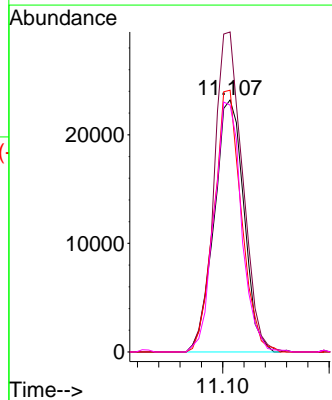
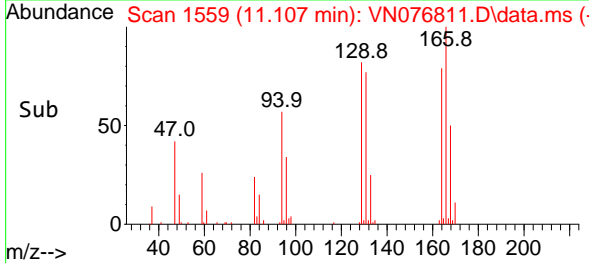
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

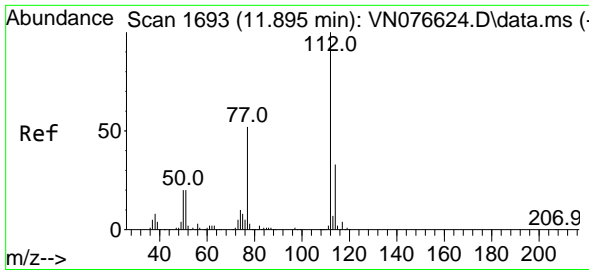


#64  
 Tetrachloroethene  
 Concen: 16.017 ug/l  
 RT: 11.107 min Scan# 1559  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



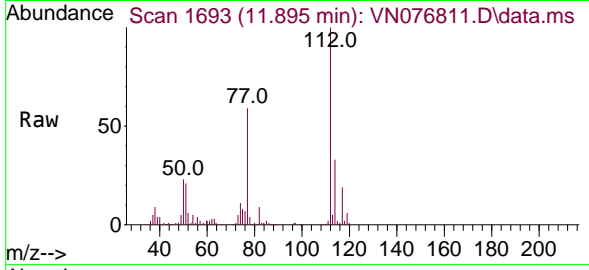
Tgt Ion:164 Resp: 44665  
 Ion Ratio Lower Upper  
 164 100  
 166 127.0 104.8 157.2  
 129 103.9 72.2 108.2  
 131 98.0 76.3 114.5





#65  
 Chlorobenzene  
 Concen: 18.216 ug/l  
 RT: 11.895 min Scan# 1104  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

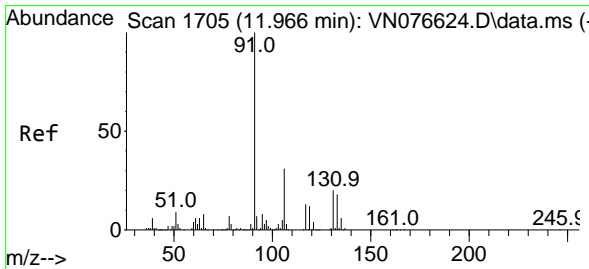
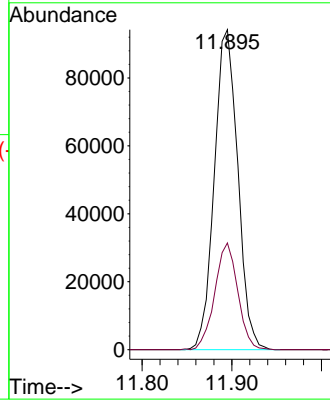
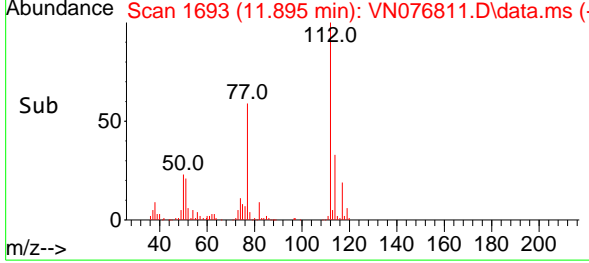
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224MBSD01



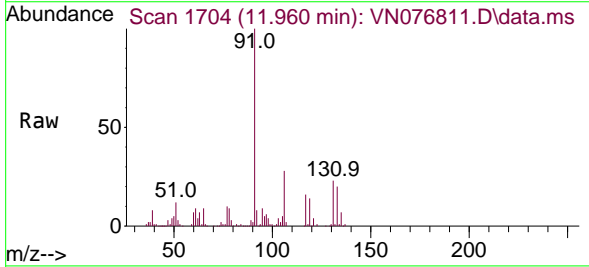
Tgt Ion:112 Resp: 17082  
 Ion Ratio Lower Upper  
 112 100  
 114 33.3 26.4 39.6

Manual Integrations  
**APPROVED**

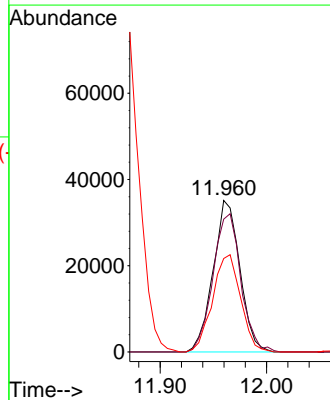
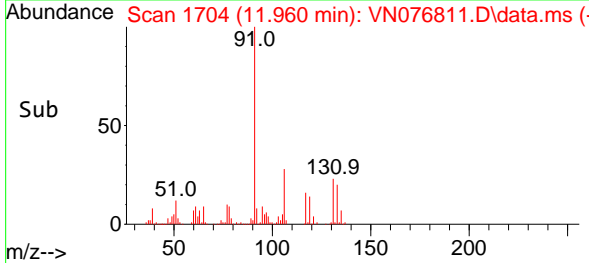
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

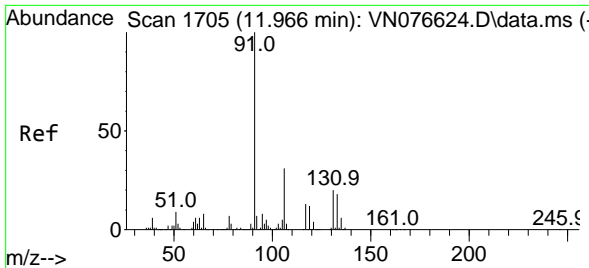


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 17.984 ug/l  
 RT: 11.960 min Scan# 1704  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



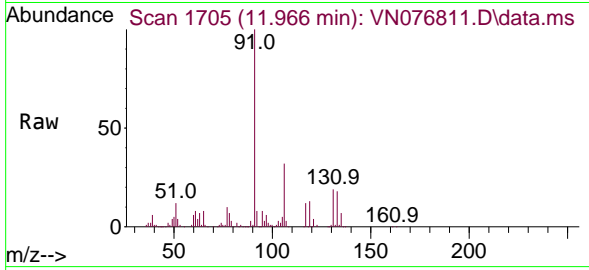
Tgt Ion:131 Resp: 61259  
 Ion Ratio Lower Upper  
 131 100  
 133 95.0 47.0 141.0  
 119 67.3 32.3 96.8





#67  
 Ethyl Benzene  
 Concen: 18.533 ug/l  
 RT: 11.966 min Scan# 1705  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

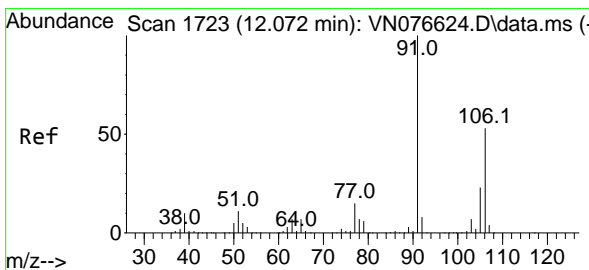
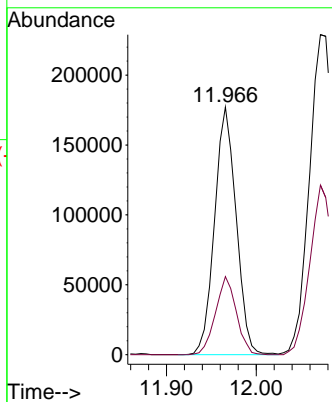
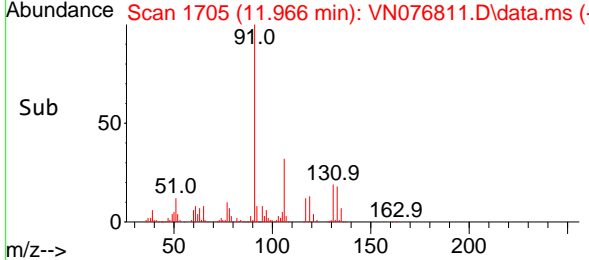
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



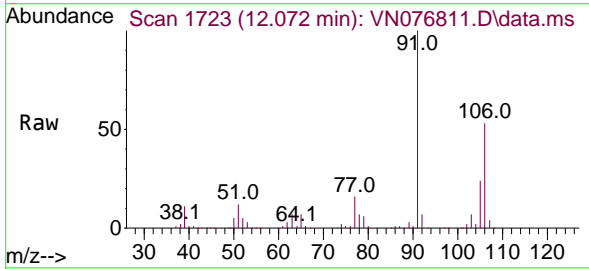
Tgt Ion: 91 Resp: 296098  
 Ion Ratio Lower Upper  
 91 100  
 106 31.5 25.1 37.7

Manual Integrations  
**APPROVED**

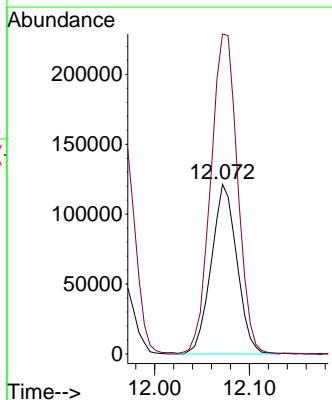
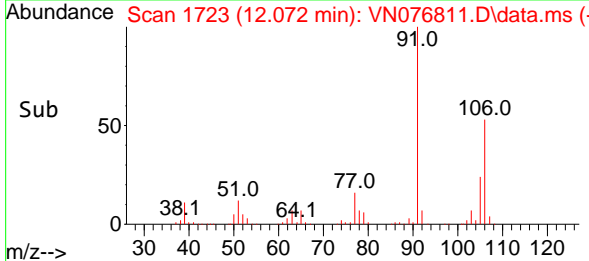
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

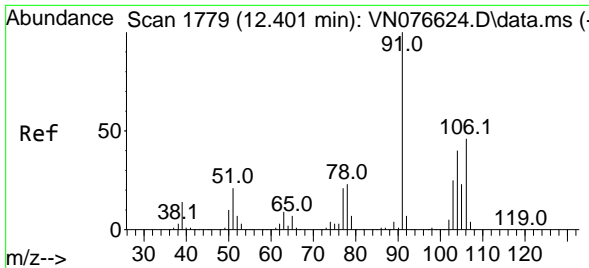


#68  
 m/p-Xylenes  
 Concen: 37.030 ug/l  
 RT: 12.072 min Scan# 1723  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



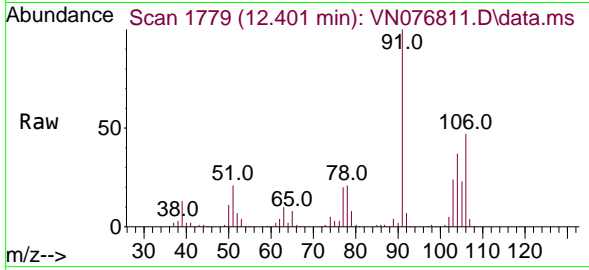
Tgt Ion:106 Resp: 228040  
 Ion Ratio Lower Upper  
 106 100  
 91 198.1 154.7 232.1





#69  
 o-Xylene  
 Concen: 19.496 ug/l  
 RT: 12.401 min Scan# 1779  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

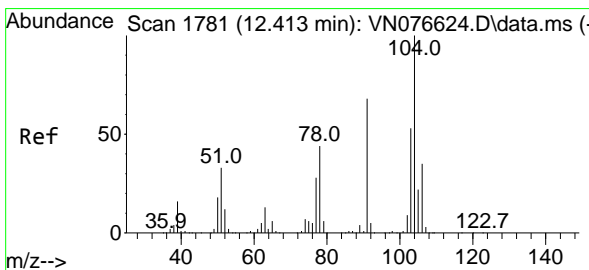
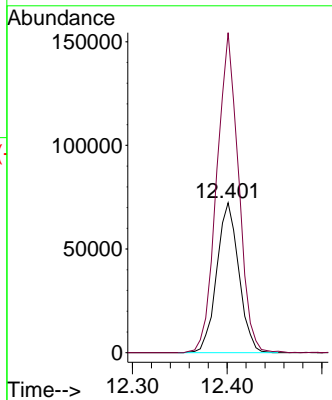
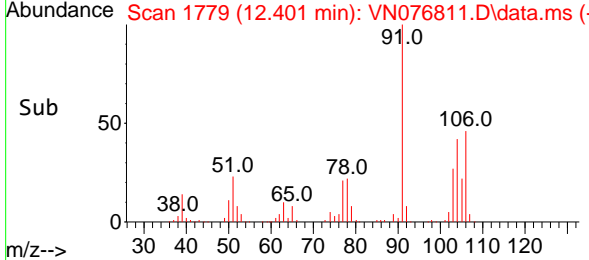
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBS01



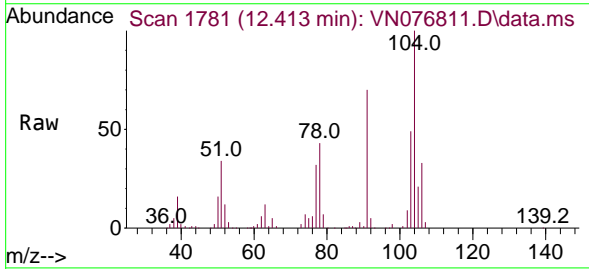
Tgt Ion:106 Resp: 117092  
 Ion Ratio Lower Upper  
 106 100  
 91 211.5 105.8 317.4

Manual Integrations  
**APPROVED**

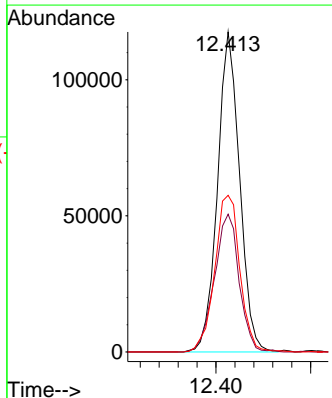
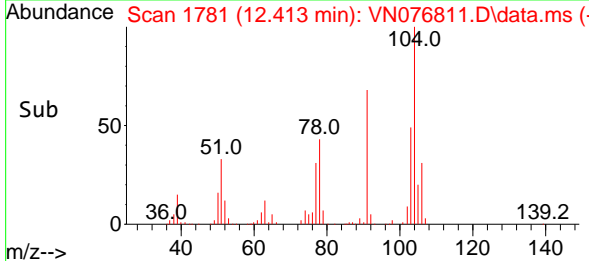
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

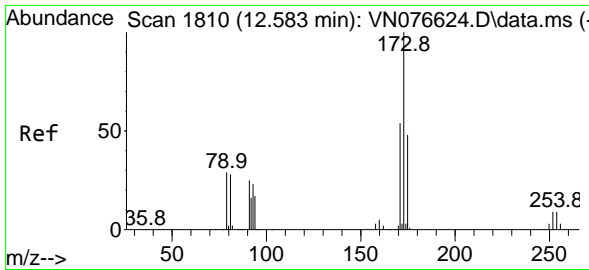


#70  
 Styrene  
 Concen: 19.630 ug/l  
 RT: 12.413 min Scan# 1781  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



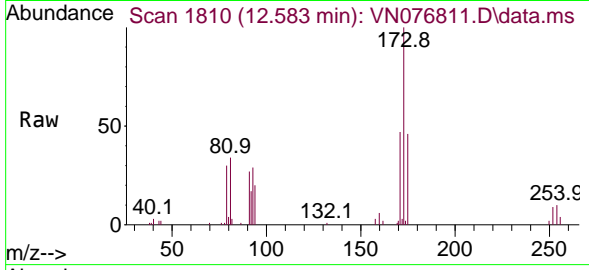
Tgt Ion:104 Resp: 190656  
 Ion Ratio Lower Upper  
 104 100  
 78 48.3 38.2 57.4  
 103 55.6 44.2 66.4





#71  
 Bromoform  
 Concen: 17.877 ug/l  
 RT: 12.583 min Scan# 1810  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

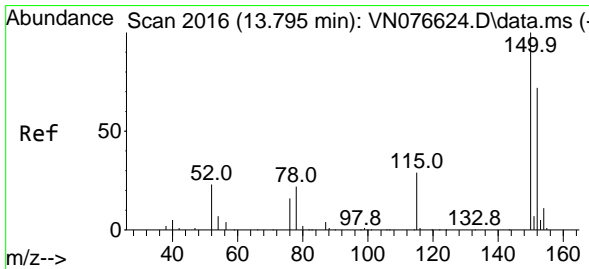
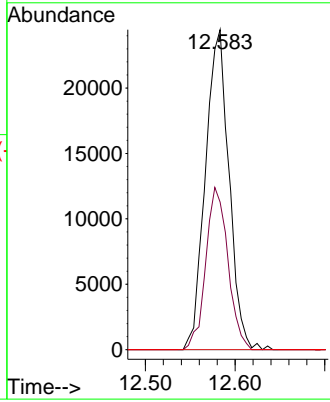
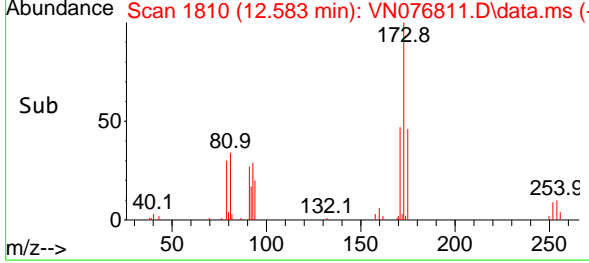
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



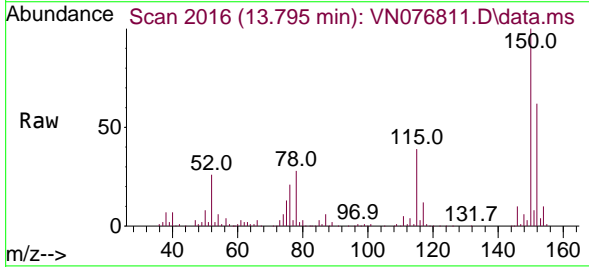
Tgt Ion:173 Resp: 44660  
 Ion Ratio Lower Upper  
 173 100  
 175 47.7 24.9 74.7  
 254 0.0 0.1 0.1

Manual Integrations  
**APPROVED**

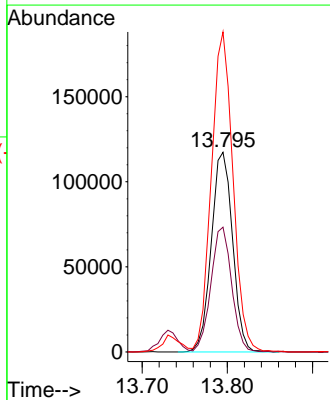
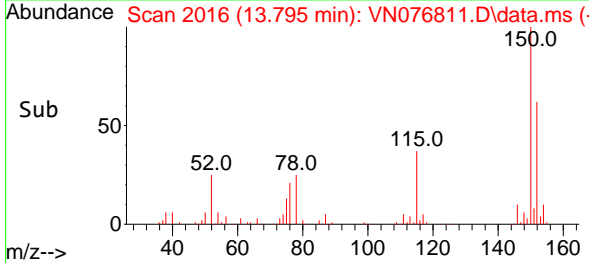
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023



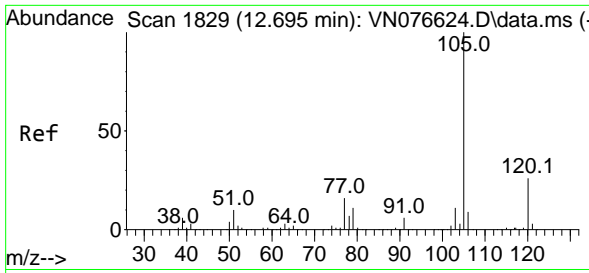
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.795 min Scan# 2016  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion:152 Resp: 203544  
 Ion Ratio Lower Upper  
 152 100  
 115 60.9 29.3 87.9  
 150 162.4 0.0 349.8







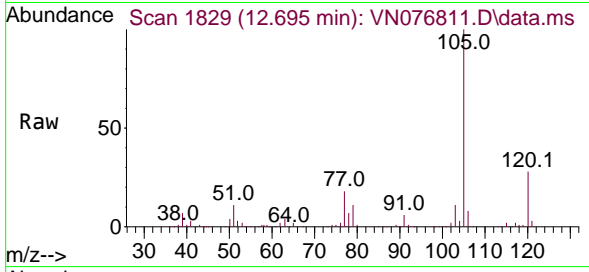
#73  
 Isopropylbenzene  
 Concen: 18.545 ug/l  
 RT: 12.695 min Scan# 1829  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



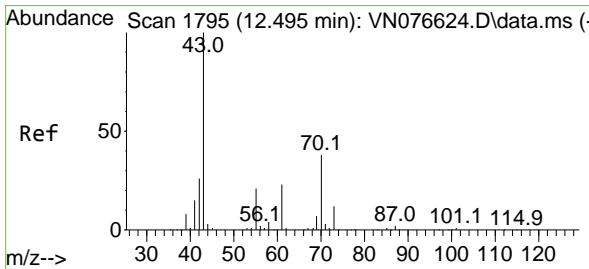
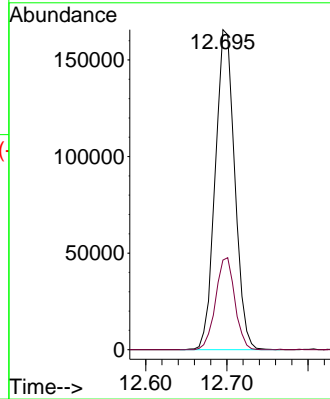
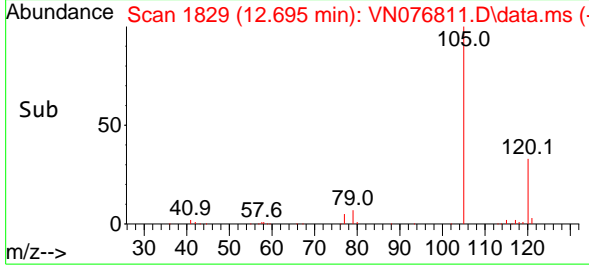
Tgt Ion: 105 Resp: 27666  
 Ion Ratio Lower Upper  
 105 100  
 120 28.3 13.7 41.0

Manual Integrations

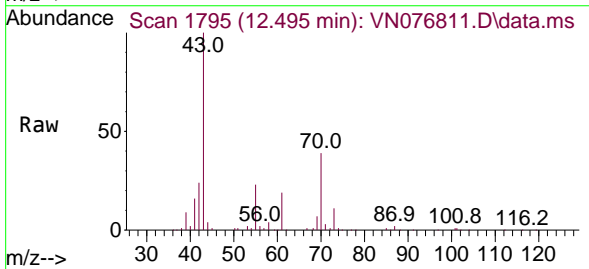
APPROVED

Reviewed By :John Carlone 02/27/2023

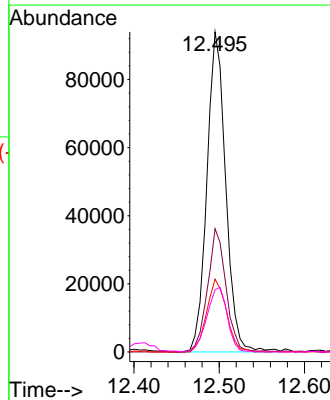
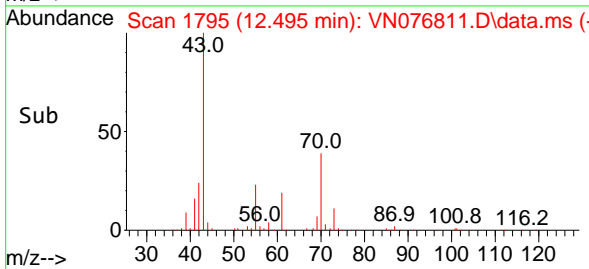
Supervised By :Mahesh Dadoda 02/27/2023

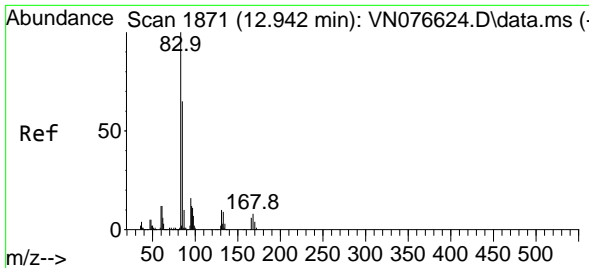


#74  
 N-ethyl acetate  
 Concen: 21.426 ug/l  
 RT: 12.495 min Scan# 1795  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 43 Resp: 144085  
 Ion Ratio Lower Upper  
 43 100  
 70 37.8 30.5 45.7  
 55 23.9 17.8 26.8  
 61 21.8 17.8 26.8





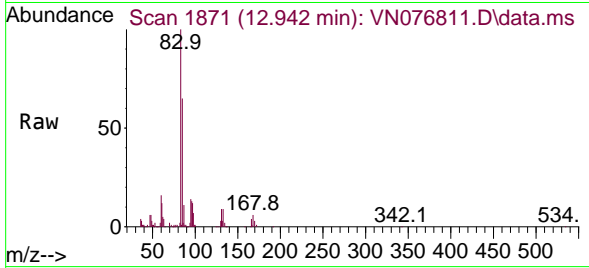
#75  
 1,1,2-Tetrachloroethane  
 Concen: 20.165 ug/l  
 RT: 12.942 min Scan# 1871  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



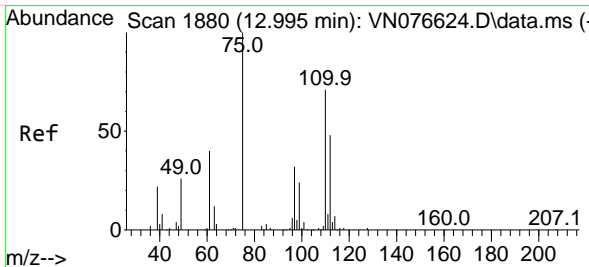
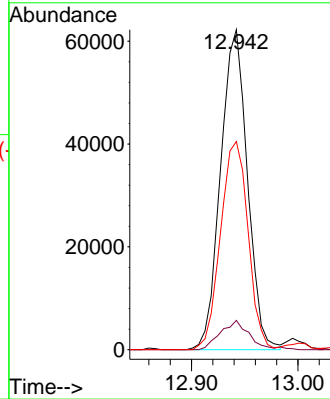
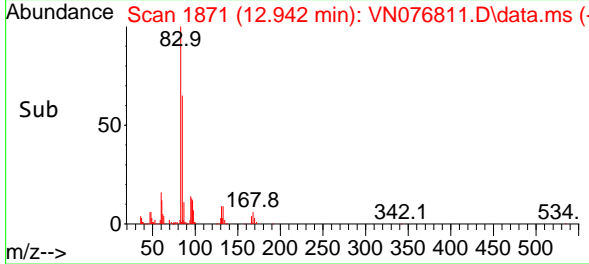
Tgt Ion: 83 Resp: 108900  
 Ion Ratio Lower Upper  
 83 100  
 131 9.9 5.0 15.0  
 85 66.7 31.8 95.3

Manual Integrations

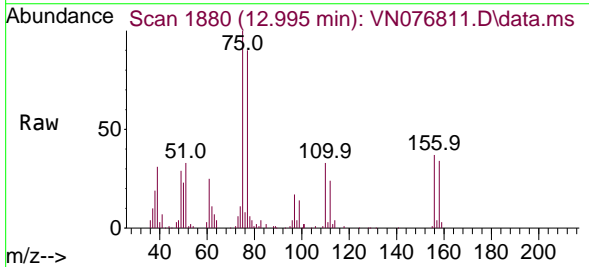
APPROVED

Reviewed By :John Carlone 02/27/2023

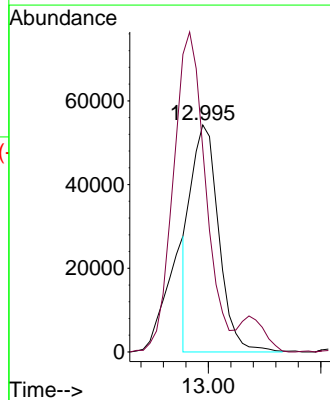
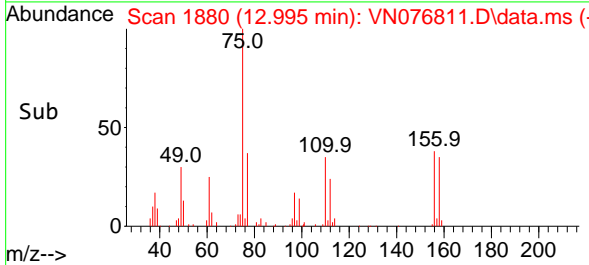
Supervised By :Mahesh Dadoda 02/27/2023

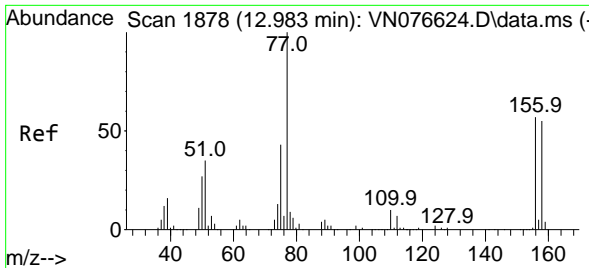


#76  
 1,2,3-Trichloropropane  
 Concen: 22.792 ug/l m  
 RT: 12.995 min Scan# 1880  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 75 Resp: 93792  
 Ion Ratio Lower Upper  
 75 100  
 77 163.0 93.1 279.3





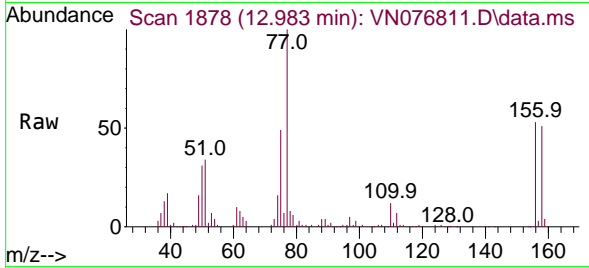
#77  
 Bromobenzene  
 Concen: 18.759 ug/l  
 RT: 12.983 min Scan# 1878  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBS01



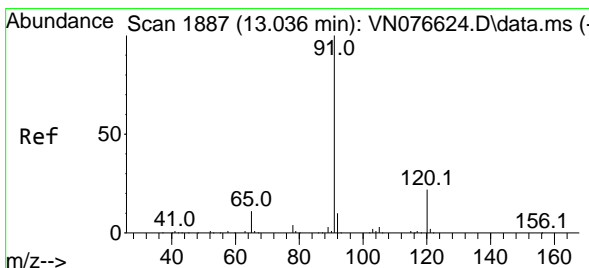
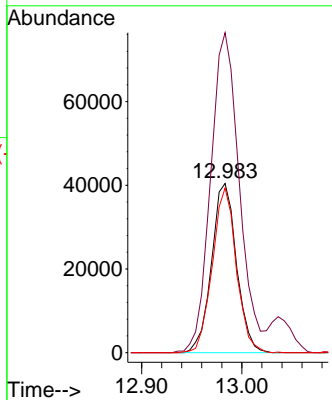
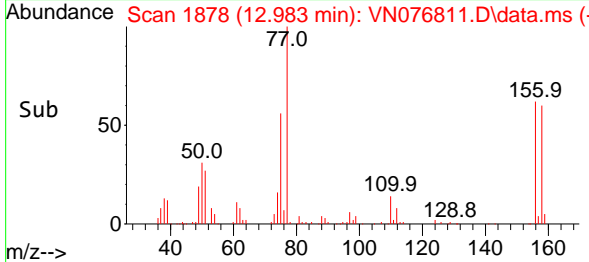
Tgt Ion:156 Resp: 6982  
 Ion Ratio Lower Upper  
 156 100  
 77 219.0 102.8 308.4  
 158 93.4 48.9 146.6

Manual Integrations

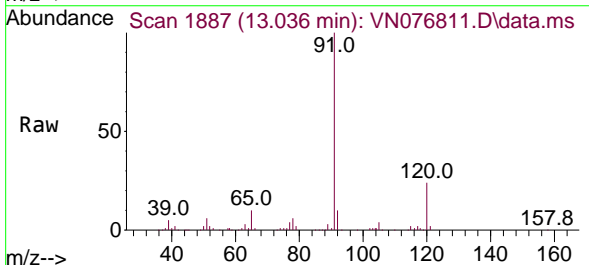
APPROVED

Reviewed By :John Carlone 02/27/2023

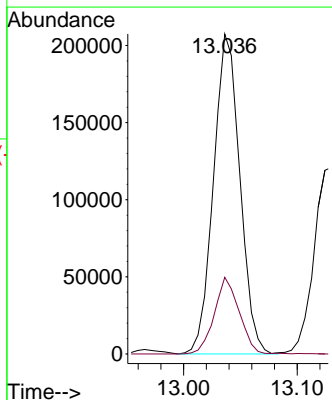
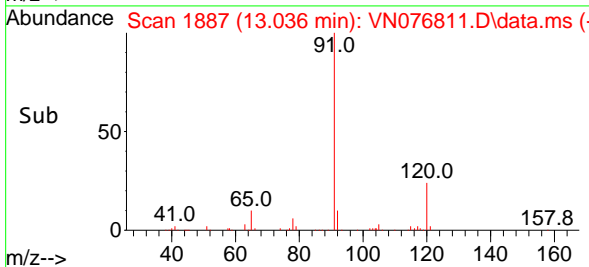
Supervised By :Mahesh Dadoda 02/27/2023

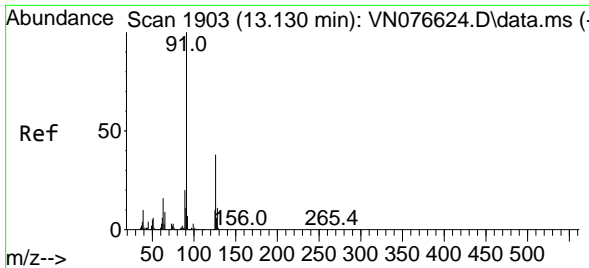


#78  
 n-propylbenzene  
 Concen: 19.132 ug/l  
 RT: 13.036 min Scan# 1887  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 91 Resp: 335164  
 Ion Ratio Lower Upper  
 91 100  
 120 22.6 11.5 34.5





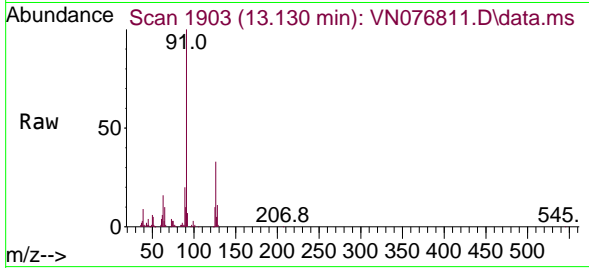
#79  
 2-Chlorotoluene  
 Concen: 19.651 ug/l  
 RT: 13.130 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBS01



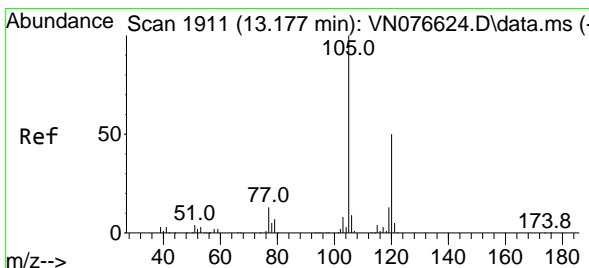
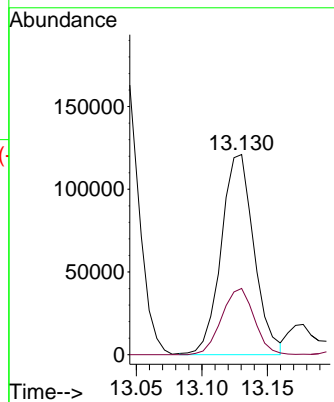
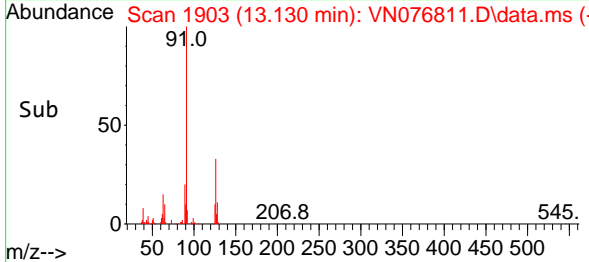
Tgt Ion: 91 Resp: 21078  
 Ion Ratio Lower Upper  
 91 100  
 126 32.7 17.7 53.1

Manual Integrations

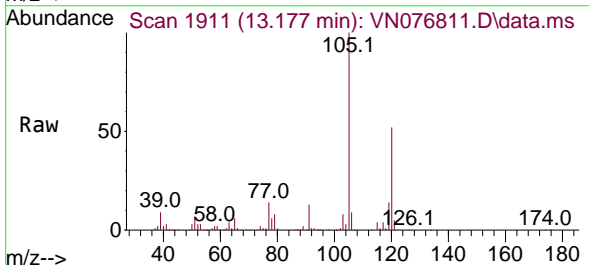
APPROVED

Reviewed By :John Carlone 02/27/2023

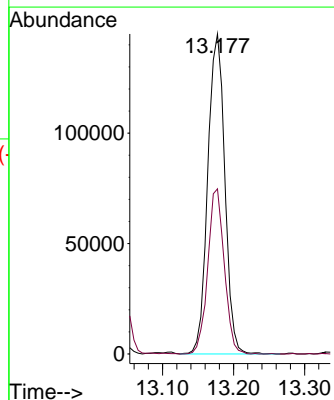
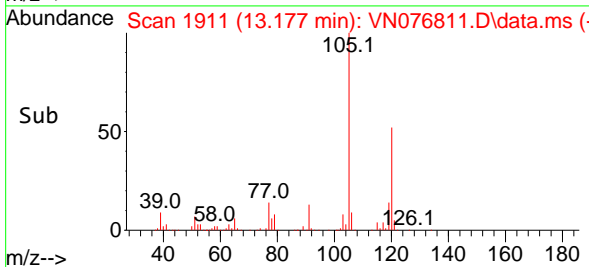
Supervised By :Mahesh Dadoda 02/27/2023

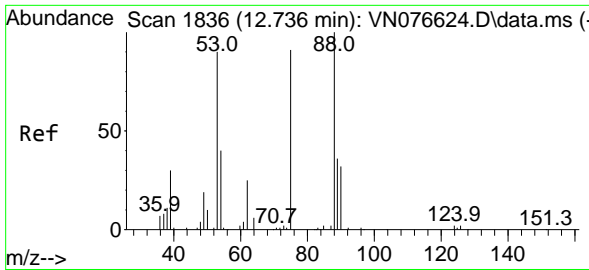


#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.577 ug/l  
 RT: 13.177 min Scan# 1911  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



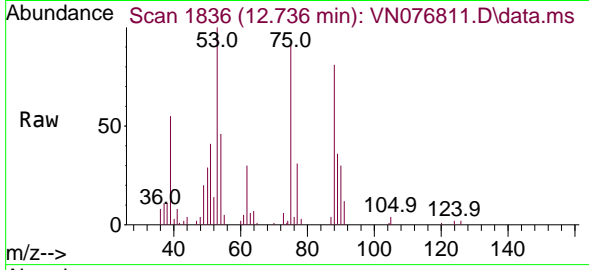
Tgt Ion:105 Resp: 241374  
 Ion Ratio Lower Upper  
 105 100  
 120 50.1 25.1 75.4





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 18.625 ug/l  
 RT: 12.736 min Scan# 1836  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01

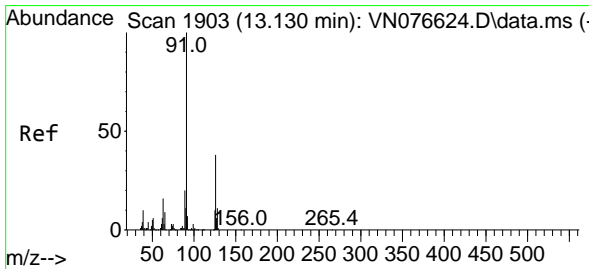
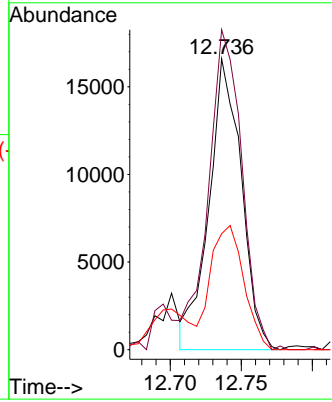
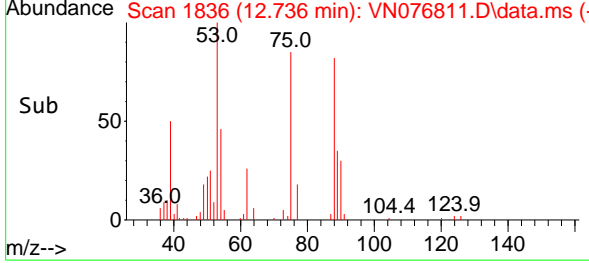


Tgt Ion: 75 Resp: 2631

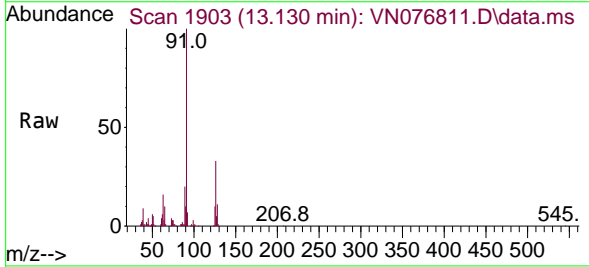
Ion	Ratio	Lower	Upper
75	100		
53	113.2	92.1	138.1
89	43.6	37.5	56.3

Manual Integrations  
**APPROVED**

Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

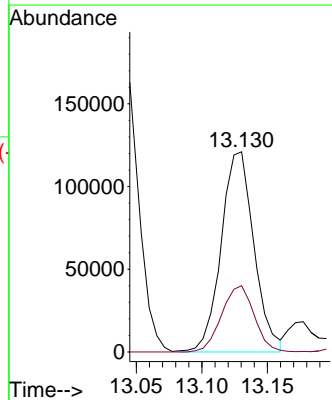
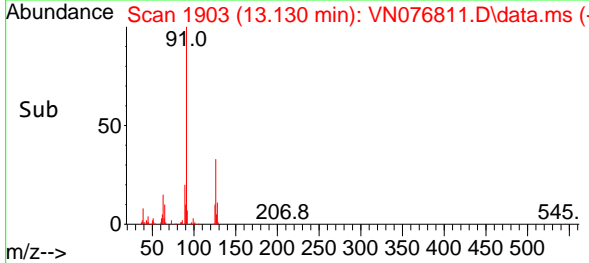


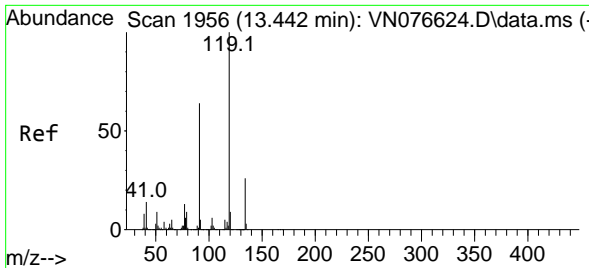
#82  
 4-Chlorotoluene  
 Concen: 19.651 ug/l  
 RT: 13.130 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 91 Resp: 210785

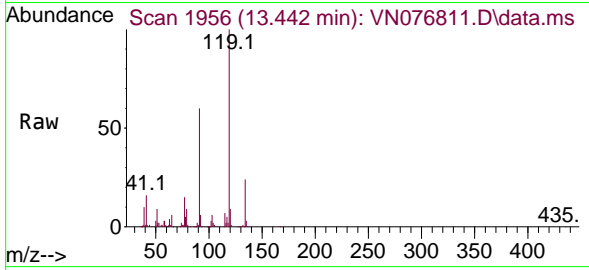
Ion	Ratio	Lower	Upper
91	100		
126	32.7	17.7	53.1





#83  
 tert-Butylbenzene  
 Concen: 18.892 ug/l  
 RT: 13.442 min Scan# 1956  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

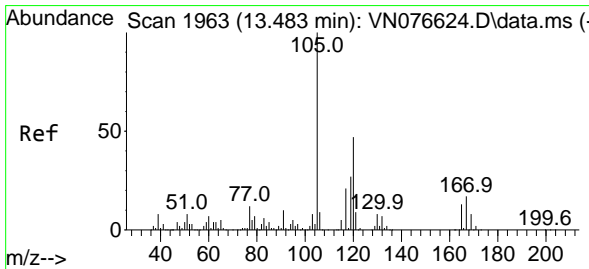
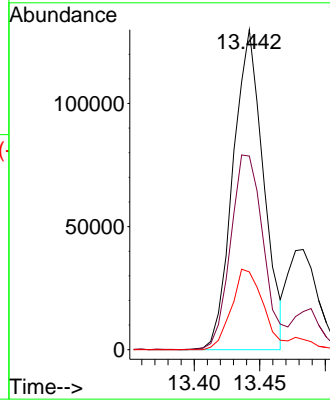
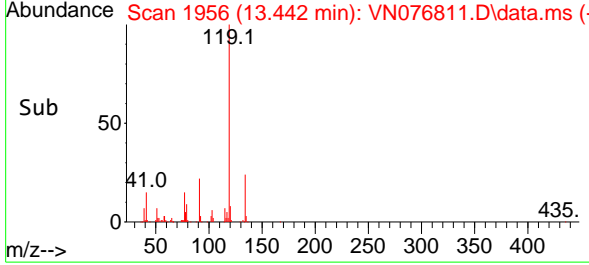
Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBSD01



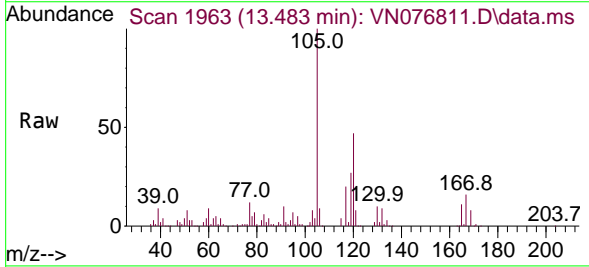
Tgt Ion:119 Resp: 21072  
 Ion Ratio Lower Upper  
 119 100  
 91 66.4 32.0 96.2  
 134 26.4 13.8 41.4

Manual Integrations  
 APPROVED

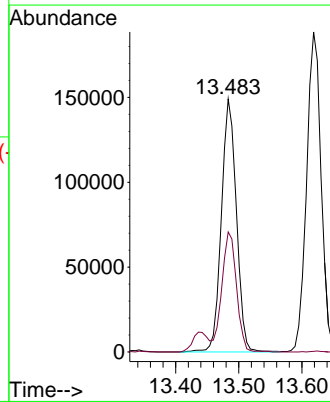
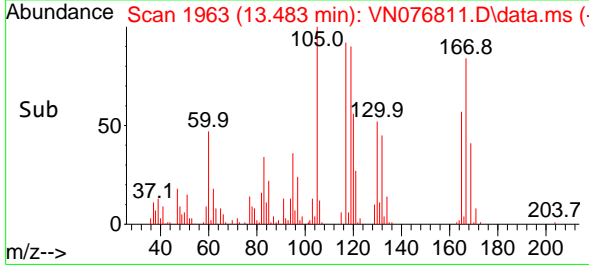
Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023

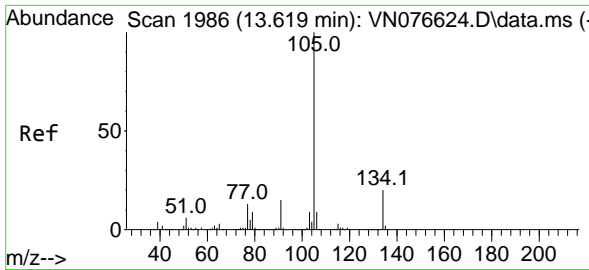


#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.059 ug/l  
 RT: 13.483 min Scan# 1963  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion:105 Resp: 246479  
 Ion Ratio Lower Upper  
 105 100  
 120 46.8 23.0 69.0





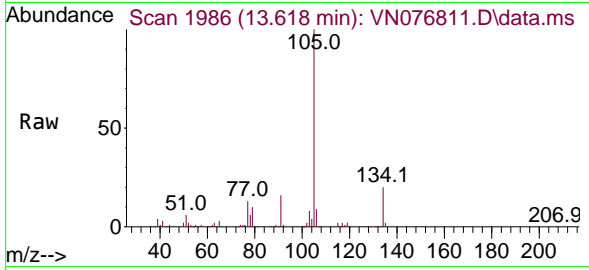
#85  
 sec-Butylbenzene  
 Concen: 19.338 ug/l  
 RT: 13.618 min Scan# 1986  
 Delta R.T. -0.001 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



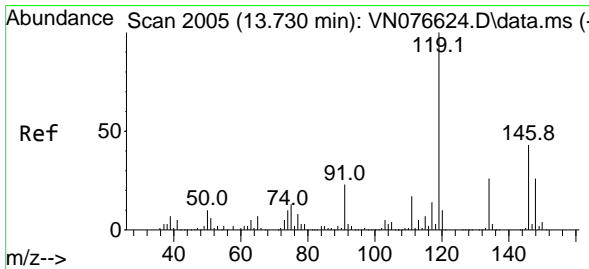
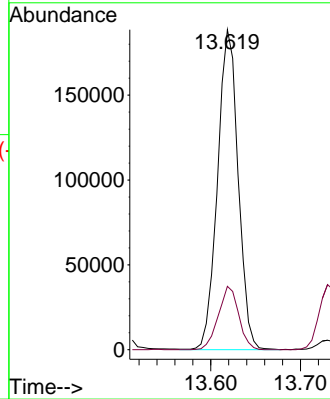
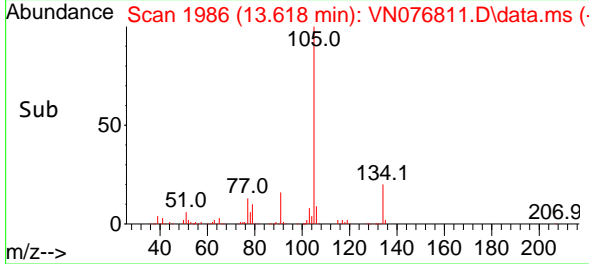
Tgt Ion:105 Resp: 301144  
 Ion Ratio Lower Upper  
 105 100  
 134 19.5 10.5 31.5

Manual Integrations

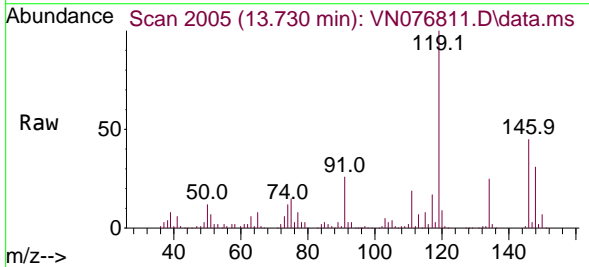
APPROVED

Reviewed By :John Carlone 02/27/2023

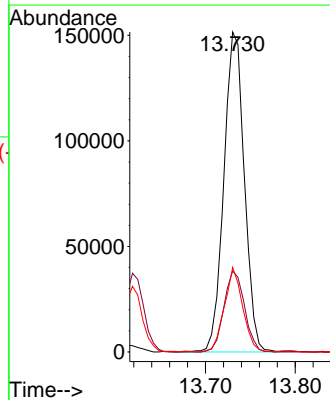
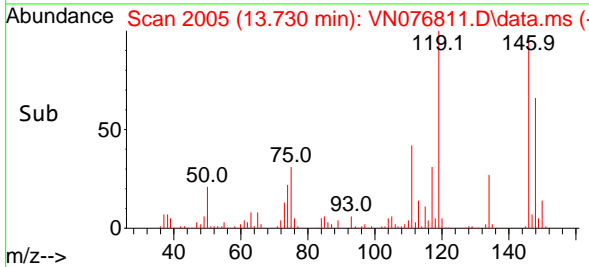
Supervised By :Mahesh Dadoda 02/27/2023

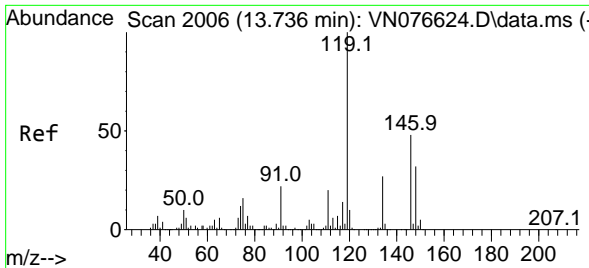


#86  
 p-Isopropyltoluene  
 Concen: 19.346 ug/l  
 RT: 13.730 min Scan# 2005  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion:119 Resp: 240568  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 13.4 40.1  
 91 23.7 11.7 35.0





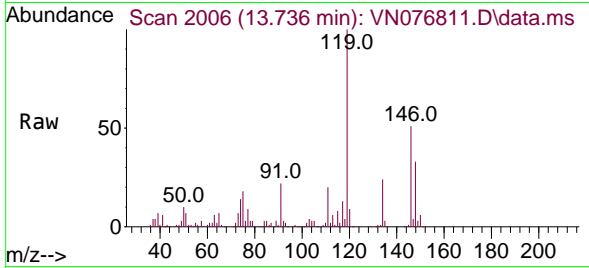
#87  
 1,3-Dichlorobenzene  
 Concen: 18.439 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



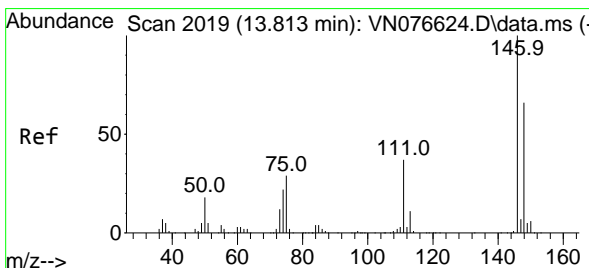
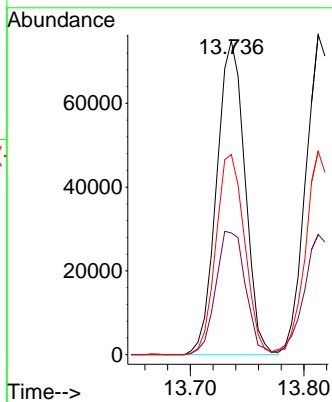
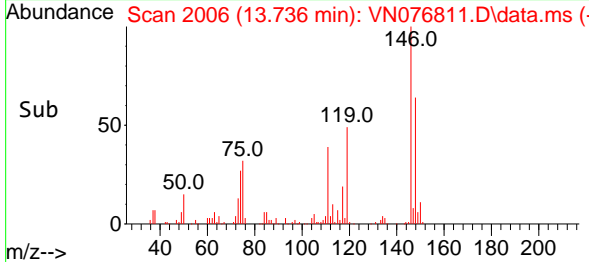
Tgt Ion:146 Resp: 12974  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 19.8 59.4  
 148 64.7 32.0 96.2

Manual Integrations

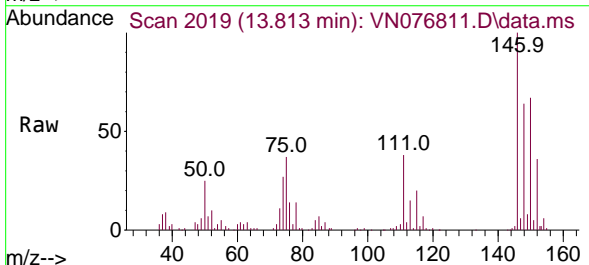
APPROVED

Reviewed By :John Carlone 02/27/2023

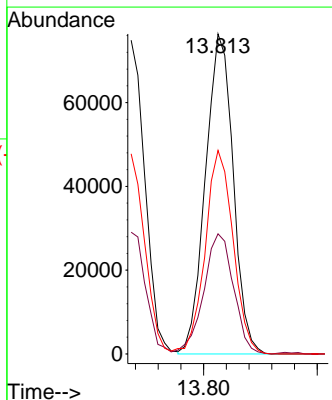
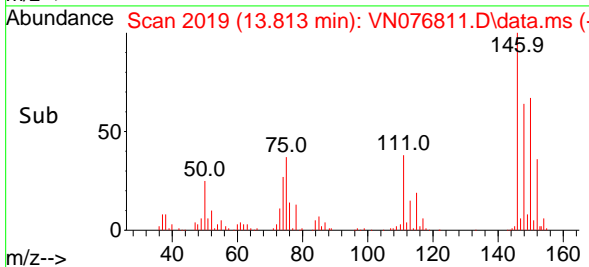
Supervised By :Mahesh Dadoda 02/27/2023



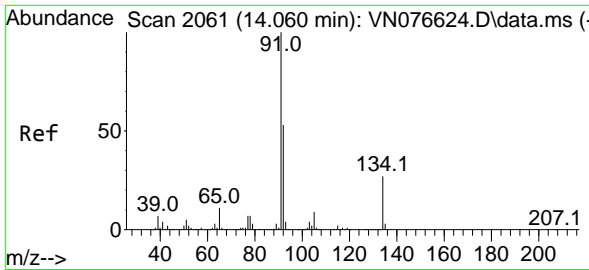
#88  
 1,4-Dichlorobenzene  
 Concen: 18.450 ug/l  
 RT: 13.813 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion:146 Resp: 129279  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 19.4 58.1  
 148 64.3 32.7 98.1







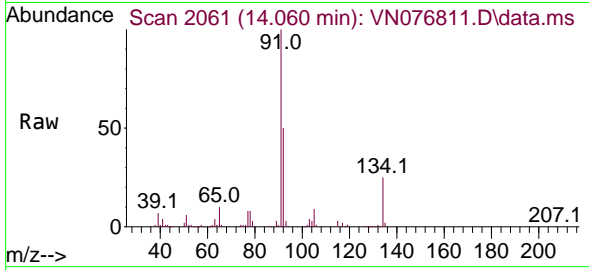
#89  
 n-Butylbenzene  
 Concen: 17.811 ug/l  
 RT: 14.060 min Scan# 2061  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

Client Sample Id :

VN0224MBS01



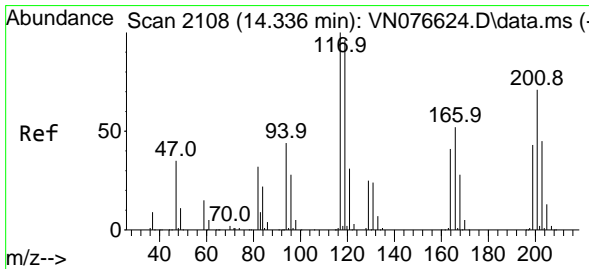
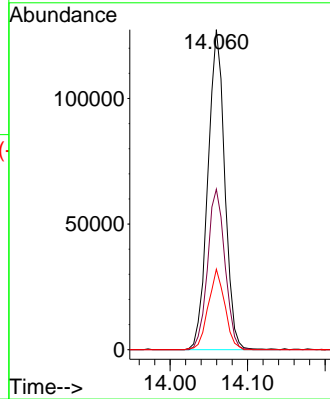
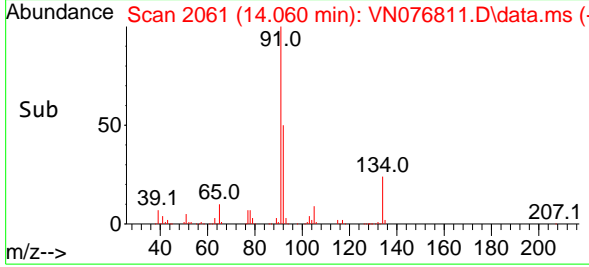
Tgt Ion: 91 Resp: 19263  
 Ion Ratio Lower Upper  
 91 100  
 92 51.6 26.4 79.0  
 134 24.8 13.2 39.5

Manual Integrations

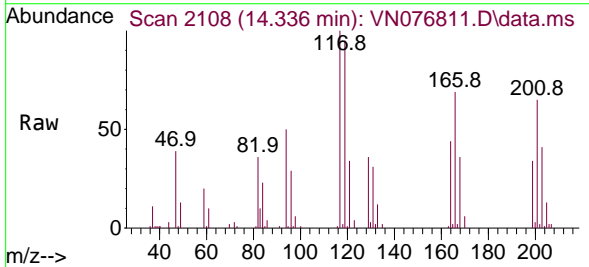
APPROVED

Reviewed By :John Carlone 02/27/2023

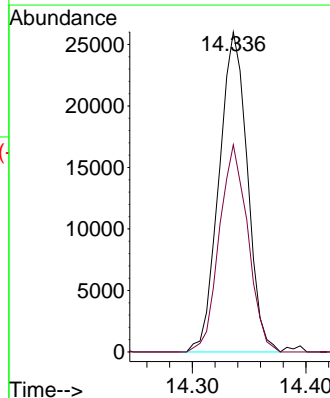
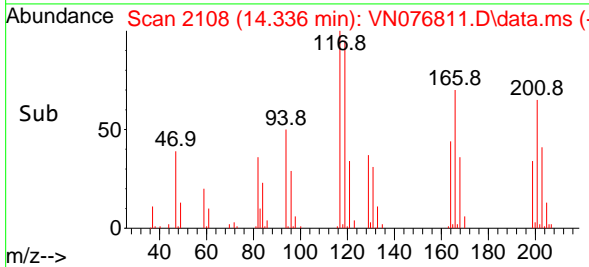
Supervised By :Mahesh Dadoda 02/27/2023

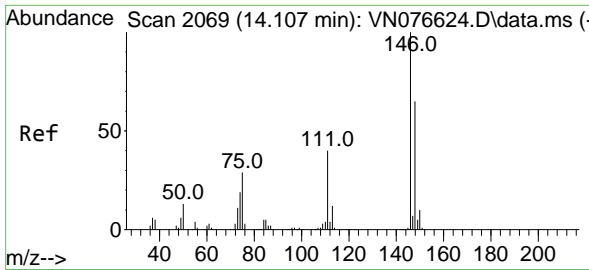


#90  
 Hexachloroethane  
 Concen: 17.337 ug/l  
 RT: 14.336 min Scan# 2108  
 Delta R.T. 0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 117 Resp: 45141  
 Ion Ratio Lower Upper  
 117 100  
 201 65.3 35.5 106.7





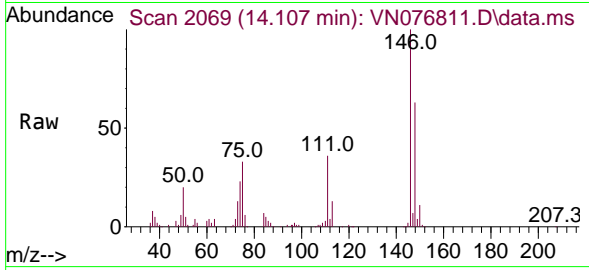
#91  
 1,2-Dichlorobenzene  
 Concen: 18.656 ug/l  
 RT: 14.107 min Scan# 2069  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBS01



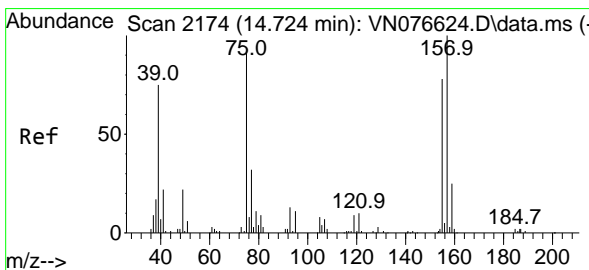
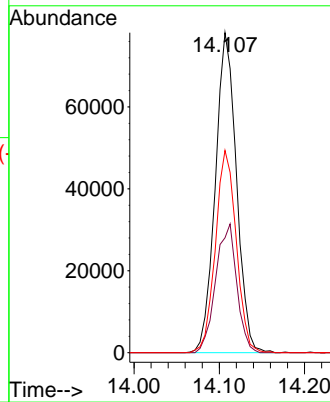
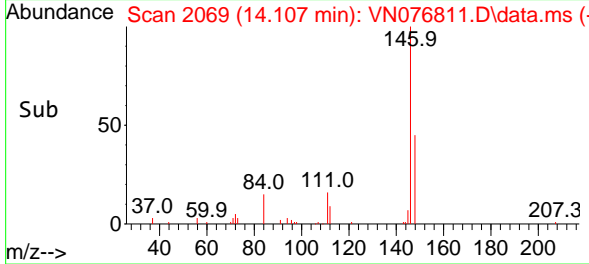
Tgt Ion:146 Resp: 134572  
 Ion Ratio Lower Upper  
 146 100  
 111 40.1 20.0 59.9  
 148 62.3 32.4 97.2

Manual Integrations

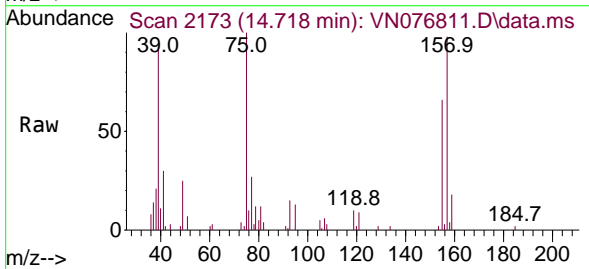
APPROVED

Reviewed By :John Carlone 02/27/2023

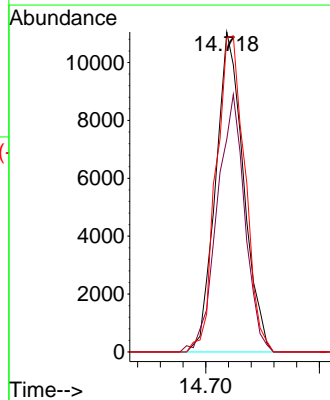
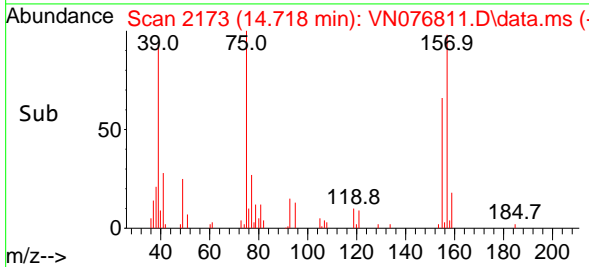
Supervised By :Mahesh Dadoda 02/27/2023

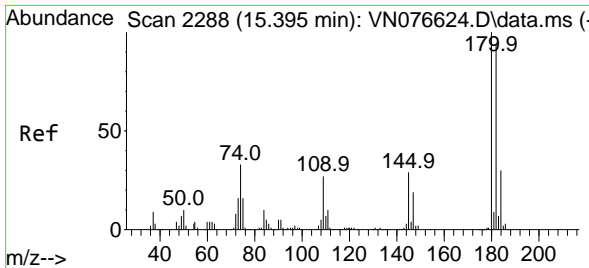


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.000 ug/l  
 RT: 14.718 min Scan# 2173  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion: 75 Resp: 18833  
 Ion Ratio Lower Upper  
 75 100  
 155 79.6 43.4 130.2  
 157 101.6 55.2 165.6





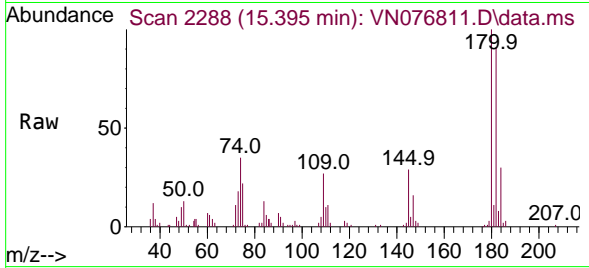
#93  
 1,2,4-Trichlorobenzene  
 Concen: 15.923 ug/l  
 RT: 15.395 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument :

MSVOA\_N

ClientSampleId :

VN0224MBSD01



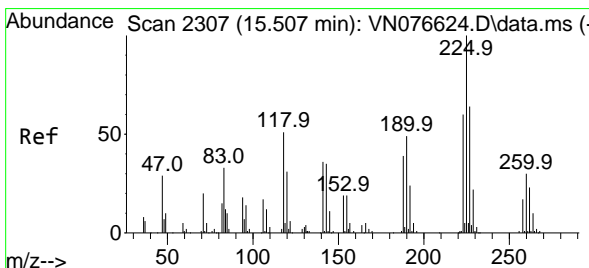
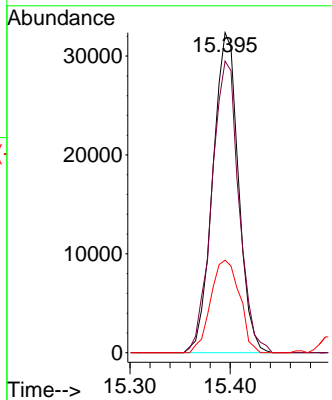
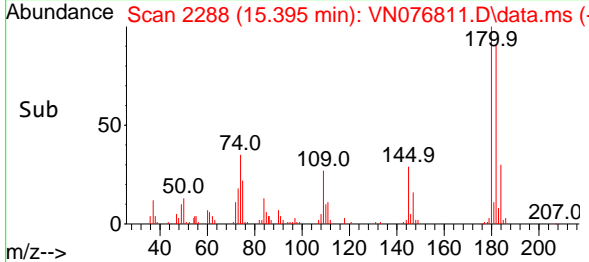
Tgt Ion:180 Resp: 5729  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 48.0 144.0  
 145 32.6 15.2 45.6

Manual Integrations

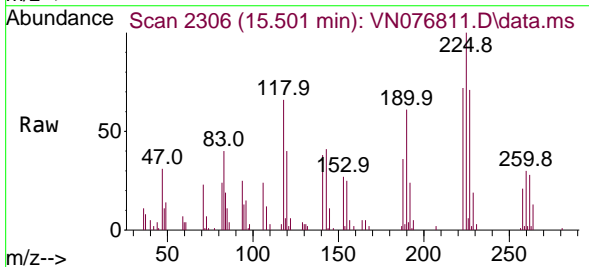
APPROVED

Reviewed By :John Carlone 02/27/2023

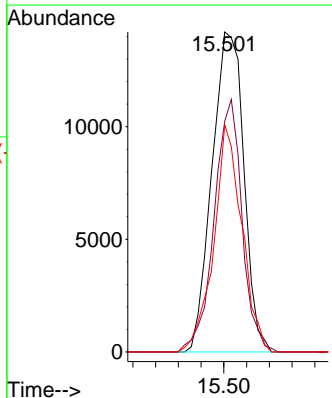
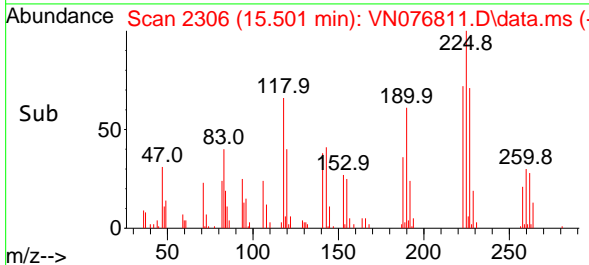
Supervised By :Mahesh Dadoda 02/27/2023

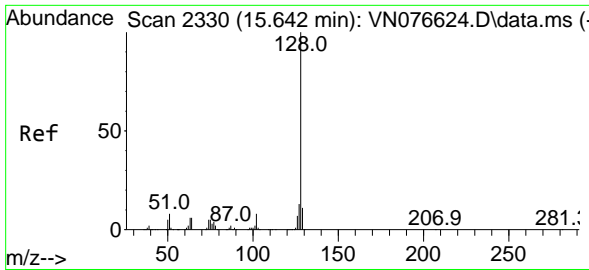


#94  
 Hexachlorobutadiene  
 Concen: 15.666 ug/l  
 RT: 15.501 min Scan# 2306  
 Delta R.T. -0.006 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



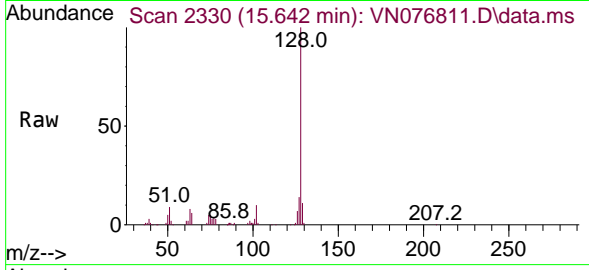
Tgt Ion:225 Resp: 27628  
 Ion Ratio Lower Upper  
 225 100  
 223 69.0 31.6 95.0  
 227 62.6 31.3 93.9





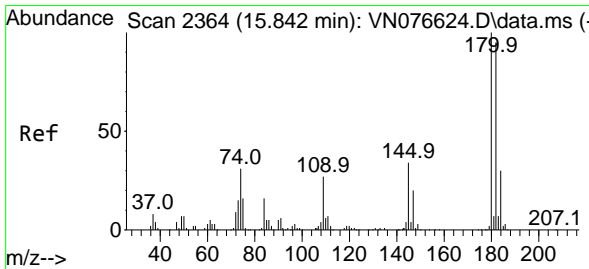
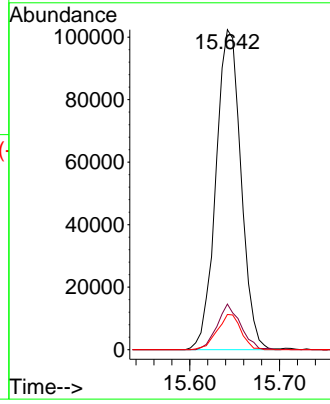
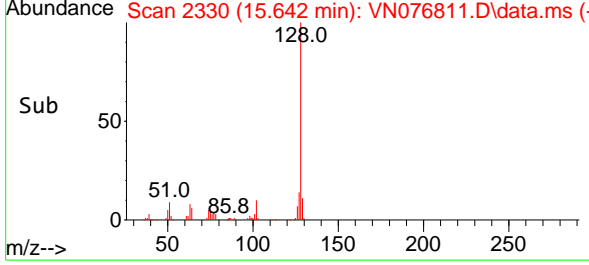
#95  
 Naphthalene  
 Concen: 18.173 ug/l  
 RT: 15.642 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50

Instrument : MSVOA\_N  
 Client Sample Id : VN0224MBS01

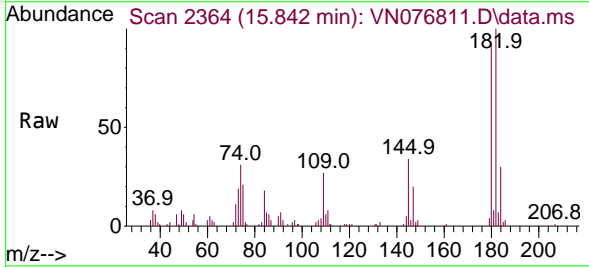


Tgt Ion:128 Resp: 19843  
 Ion Ratio Lower Upper  
 128 100  
 127 13.4 10.6 16.0  
 129 10.5 8.6 13.0

Manual Integrations  
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 Reviewed By :John Carlone 02/27/2023  
 Supervised By :Mahesh Dadoda 02/27/2023



#96  
 1,2,3-Trichlorobenzene  
 Concen: 17.558 ug/l  
 RT: 15.842 min Scan# 2364  
 Delta R.T. -0.000 min  
 Lab File: VN076811.D  
 Acq: 24 Feb 2023 15:50



Tgt Ion:180 Resp: 61208  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 46.7 140.1  
 145 32.2 16.0 47.9

