

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071723\
 Data File : VN078548.D
 Acq On : 17 Jul 2023 17:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 04:27:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	534215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	796954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	721518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	305414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	311228	43.457	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.920%		
35) Dibromofluoromethane	8.171	113	271842	50.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.500%		
50) Toluene-d8	10.570	98	932524	45.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.260%		
62) 4-Bromofluorobenzene	12.853	95	301265	47.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	251556	38.407	ug/l	97
3) Chloromethane	2.371	50	323408	45.429	ug/l	98
4) Vinyl Chloride	2.518	62	403976	43.867	ug/l	99
5) Bromomethane	2.942	94	249285	42.001	ug/l	99
6) Chloroethane	3.112	64	236867	42.221	ug/l	99
7) Trichlorofluoromethane	3.500	101	451806	41.042	ug/l	96
8) Diethyl Ether	3.971	74	157224	42.867	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	249510	42.816	ug/l	96
10) Methyl Iodide	4.594	142	342978	42.830	ug/l	98
11) Tert butyl alcohol	5.541	59	240162	217.467	ug/l	100
12) 1,1-Dichloroethene	4.353	96	232868	41.311	ug/l	98
13) Acrolein	4.189	56	231817	213.353	ug/l	98
14) Allyl chloride	5.030	41	313699	40.727	ug/l	95
15) Acrylonitrile	5.736	53	627228	224.789	ug/l	100
16) Acetone	4.441	43	477199	213.906	ug/l	100
17) Carbon Disulfide	4.718	76	583542	35.800	ug/l	99
18) Methyl Acetate	5.041	43	411562	43.580	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	812389	43.741	ug/l	97
20) Methylene Chloride	5.289	84	287172	44.749	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	268213	42.224	ug/l	89
22) Diisopropyl ether	6.683	45	787625	45.667	ug/l	94
23) Vinyl Acetate	6.618	43	2446083	223.089	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	498066	42.857	ug/l	97
25) 2-Butanone	7.494	43	791083	225.270	ug/l	88
26) 2,2-Dichloropropane	7.494	77	420236	44.211	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	325525	44.299	ug/l	94
28) Bromochloromethane	7.824	49	210546	38.464	ug/l	96
29) Tetrahydrofuran	7.847	42	514212	223.157	ug/l	85
30) Chloroform	7.977	83	547178	45.224	ug/l	95
31) Cyclohexane	8.259	56	412614	42.631	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	522297	48.147	ug/l	98
36) 1,1-Dichloropropene	8.377	75	421992	54.022	ug/l	98
37) Ethyl Acetate	7.571	43	339381	52.118	ug/l #	93
38) Carbon Tetrachloride	8.371	117	465870	54.874	ug/l	98
39) Methylcyclohexane	9.606	83	365213	51.220	ug/l	93
40) Benzene	8.612	78	1251072	54.060	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	170694	51.420	ug/l	91
42) 1,2-Dichloroethane	8.677	62	429303	54.539	ug/l	98
43) Isopropyl Acetate	8.700	43	602787	56.225	ug/l	95
44) Trichloroethene	9.359	130	304228	48.776	ug/l	97
45) 1,2-Dichloropropane	9.629	63	305989	52.205	ug/l	99
46) Dibromomethane	9.718	93	210368	50.994	ug/l	91
47) Bromodichloromethane	9.894	83	433958	52.476	ug/l	96
48) Methyl methacrylate	9.688	41	264379	53.228	ug/l	87
49) 1,4-Dioxane	9.706	88	113009	1043.307	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1733101	271.778	ug/l	93
52) Toluene	10.635	92	743375	51.828	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	445931	52.636	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	483209	53.508	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	302265	53.488	ug/l	97
56) Ethyl methacrylate	10.882	69	434011	54.941	ug/l	92
57) 1,3-Dichloropropane	11.170	76	494264	51.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	772114	274.267	ug/l	93
59) 2-Hexanone	11.200	43	1227721	270.892	ug/l	93
60) Dibromochloromethane	11.365	129	330746	53.015	ug/l	99
61) 1,2-Dibromoethane	11.476	107	301757	51.836	ug/l	99
64) Tetrachloroethene	11.112	164	268148	49.432	ug/l	94
65) Chlorobenzene	11.900	112	797011	49.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	313180	50.478	ug/l	97
67) Ethyl Benzene	11.970	91	1406451	51.592	ug/l	100
68) m/p-Xylenes	12.076	106	1065109	105.674	ug/l	96
69) o-Xylene	12.406	106	519114	50.991	ug/l	97
70) Styrene	12.417	104	861511	54.091	ug/l	99
71) Bromoform	12.582	173	220958	52.585	ug/l #	99
73) Isopropylbenzene	12.700	105	1320562	46.016	ug/l	99
74) N-amyl acetate	12.500	43	446314	45.128	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	429195	53.780	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	346244m	46.902	ug/l	
77) Bromobenzene	12.988	156	308489	49.412	ug/l	97
78) n-propylbenzene	13.041	91	1485096	48.389	ug/l	99
79) 2-Chlorotoluene	13.129	91	934428	46.482	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1084979	47.849	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	144908	51.582	ug/l	91
82) 4-Chlorotoluene	13.229	91	881230	46.990	ug/l	98
83) tert-Butylbenzene	13.447	119	896273	46.557	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1086121	49.313	ug/l	99
85) sec-Butylbenzene	13.623	105	1160804	47.704	ug/l	100
86) p-Isopropyltoluene	13.735	119	952296	48.738	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	536983	48.741	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	511764	46.118	ug/l	99
89) n-Butylbenzene	14.064	91	733102	52.438	ug/l	98
90) Hexachloroethane	14.341	117	179223	49.904	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	519218	47.357	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	66752	48.530	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	168606	48.185	ug/l	97
94) Hexachlorobutadiene	15.505	225	92647	51.288	ug/l	99
95) Naphthalene	15.647	128	503345	42.077	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	182195	45.283	ug/l	98

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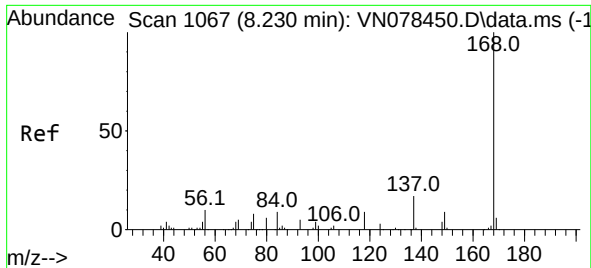
Manual Integrations
APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



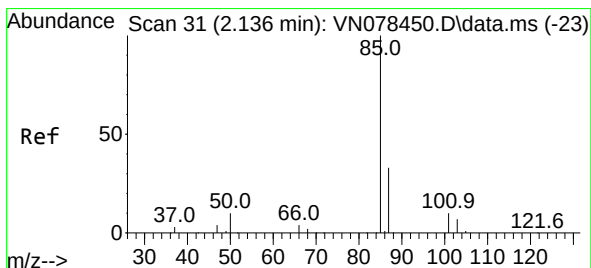
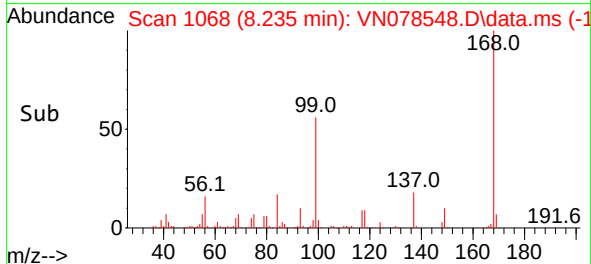
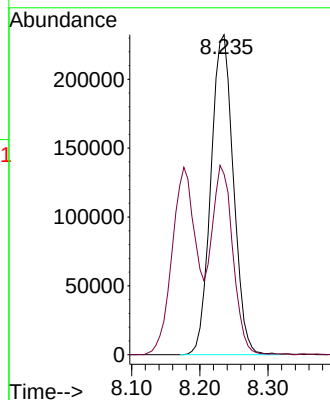
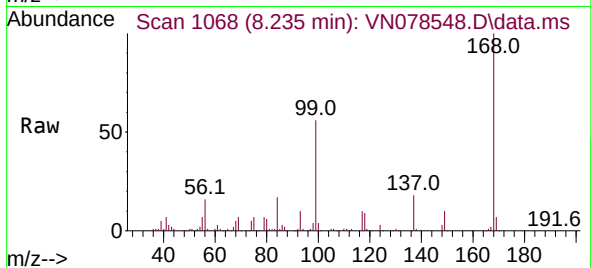
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078548.D
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Instrument :
MSVOA_N
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VSTDCCC050EC

Tgt Ion:168 Resp: 534215
Ion Ratio Lower Upper
168 100
99 56.3 53.0 79.6

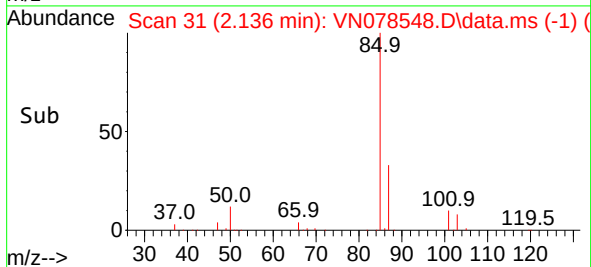
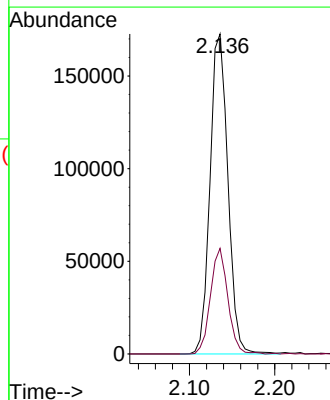
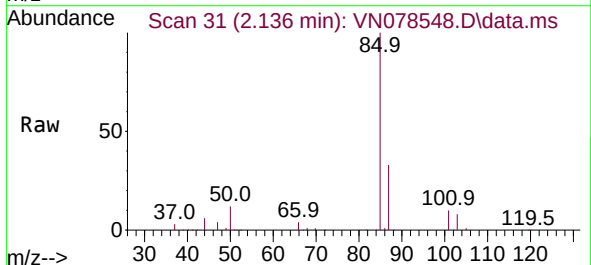
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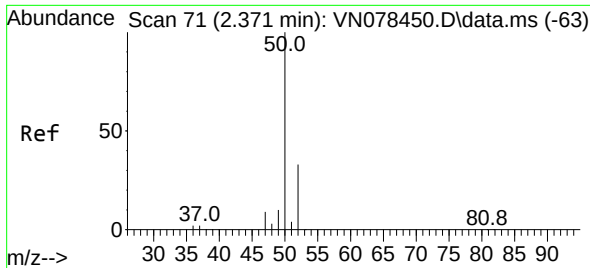
Reviewed By :John Carlone 07/18/2023
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#2
Dichlorodifluoromethane
Concen: 38.407 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

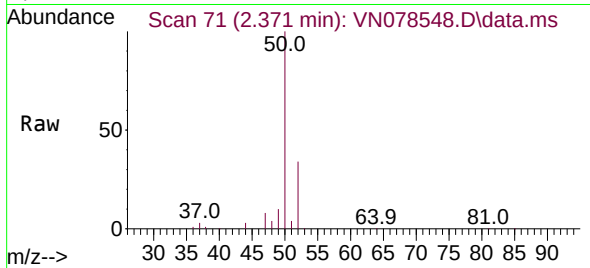
Tgt Ion: 85 Resp: 251556
Ion Ratio Lower Upper
85 100
87 33.0 15.8 47.4





#3
Chloromethane
Concen: 45.429 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

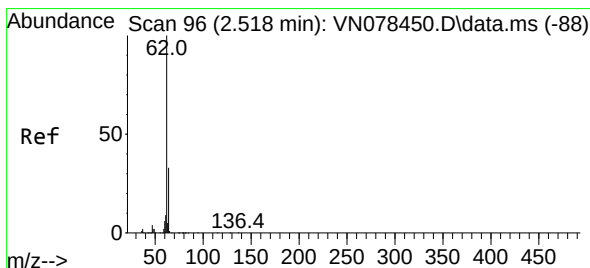
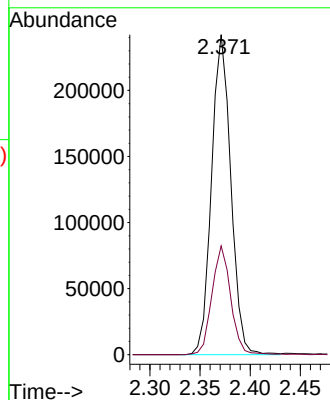
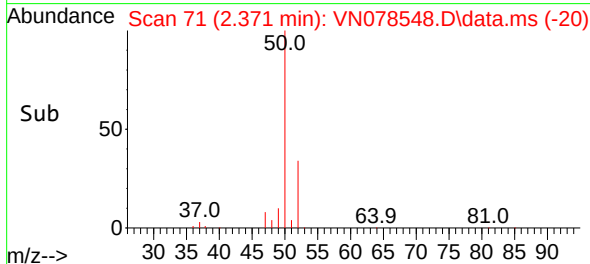
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Tgt Ion: 50 Resp: 323408
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7

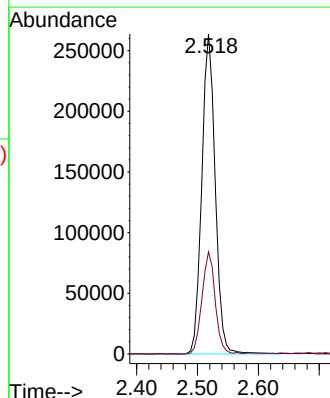
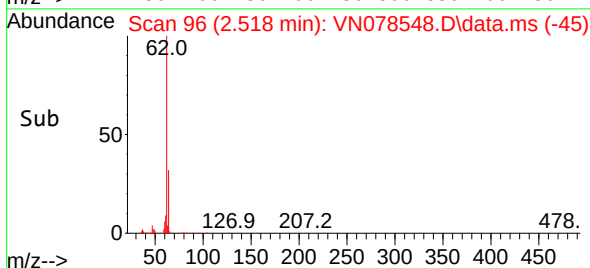
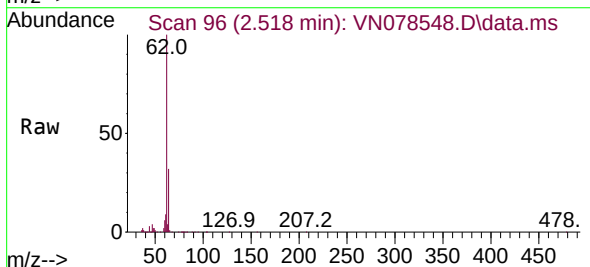
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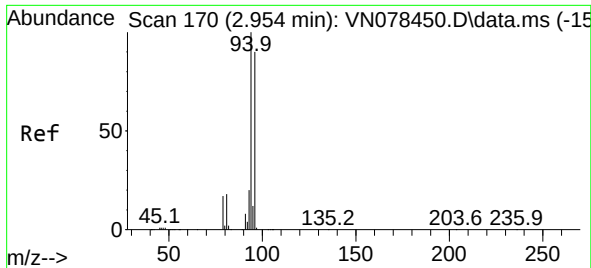
Reviewed By :John Carlone 07/18/2023
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#4
Vinyl Chloride
Concen: 43.867 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078548.D
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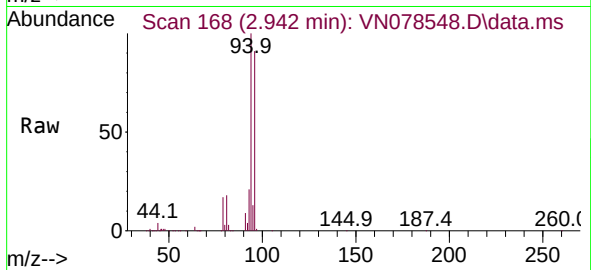
Tgt Ion: 62 Resp: 403976
Ion Ratio Lower Upper
62 100
64 31.9 26.2 39.2





#5
Bromomethane
Concen: 42.001 ug/l
RT: 2.942 min Scan# 10
Delta R.T. -0.012 min
Lab File: VN078548.D
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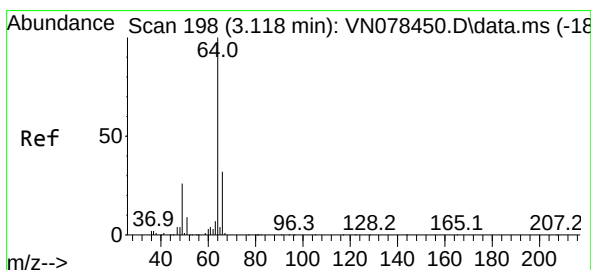
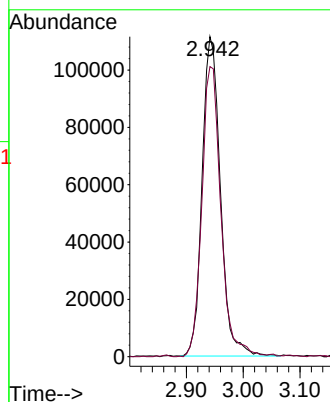
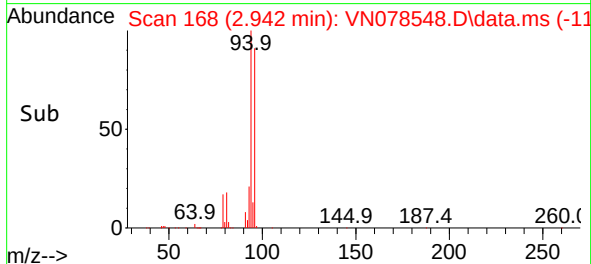
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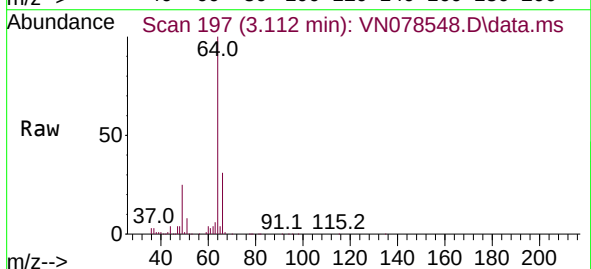
Tgt Ion: 94 Resp: 249285
Ion Ratio Lower Upper
94 100
96 90.7 73.1 109.7

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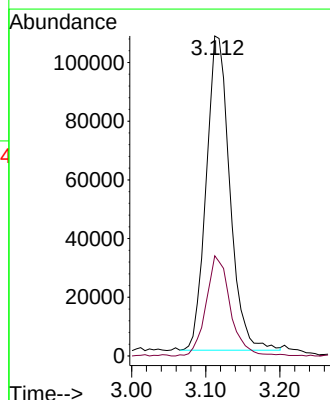
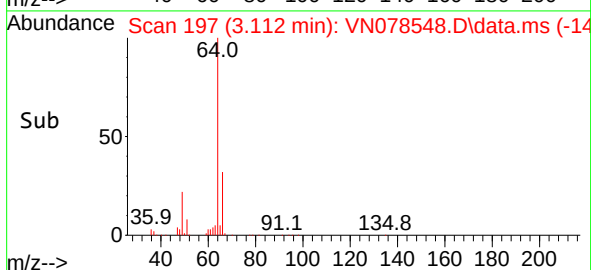
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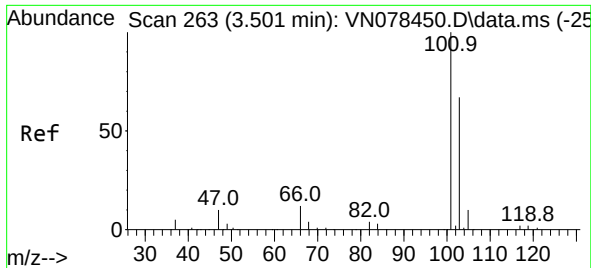


#6
Chloroethane
Concen: 42.221 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN078548.D
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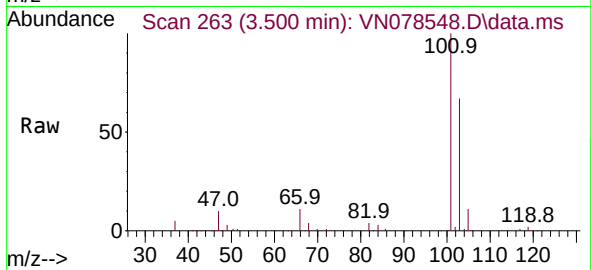
Tgt Ion: 64 Resp: 236867
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 41.042 ug/l
 RT: 3.500 min Scan# 263
 Delta R.T. -0.001 min
 Lab File: VN078548.D
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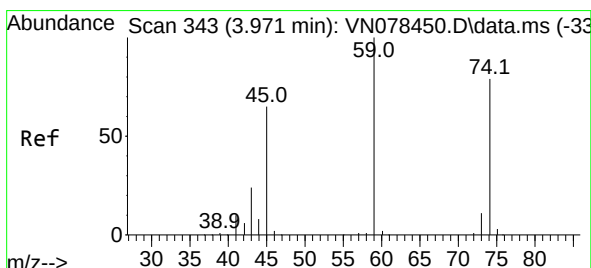
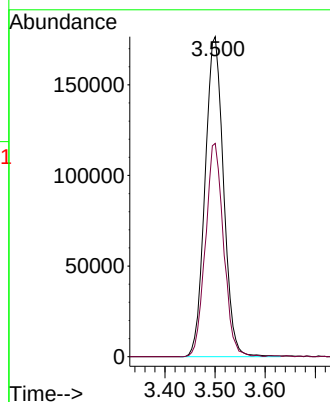
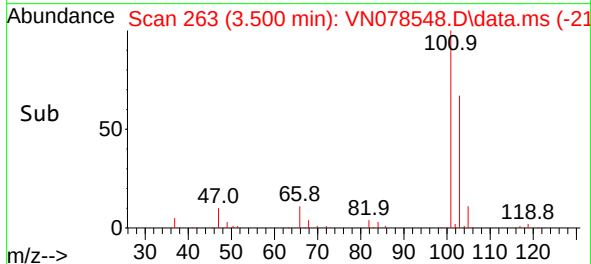
Instrument :
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Tgt Ion:101 Resp: 451800
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.7 76.1

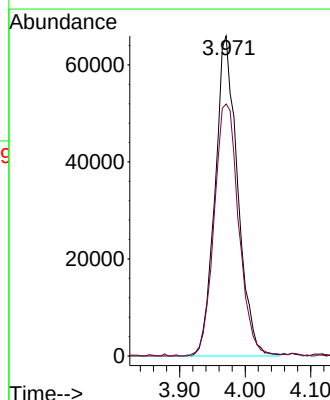
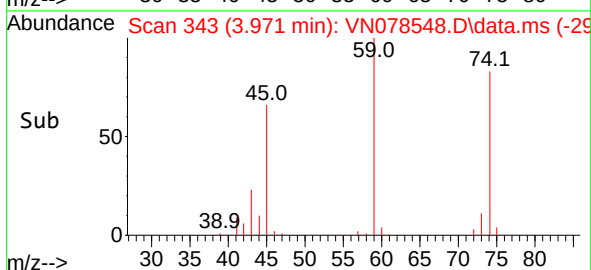
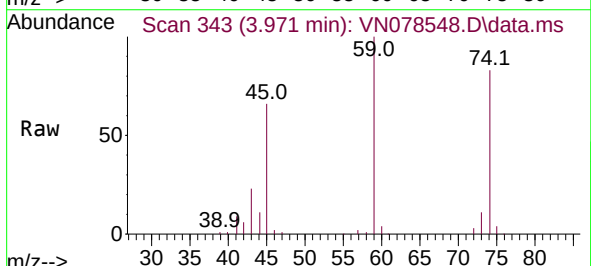
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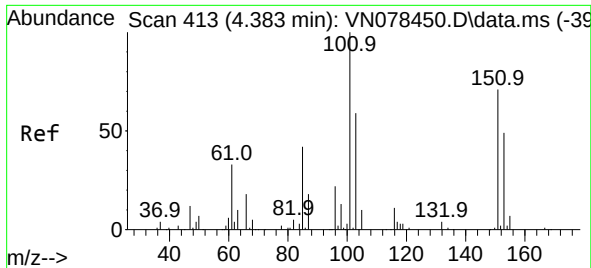
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023



#8
 Diethyl Ether
 Concen: 42.867 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 157224
 Ion Ratio Lower Upper
 74 100
 45 86.0 34.4 103.3





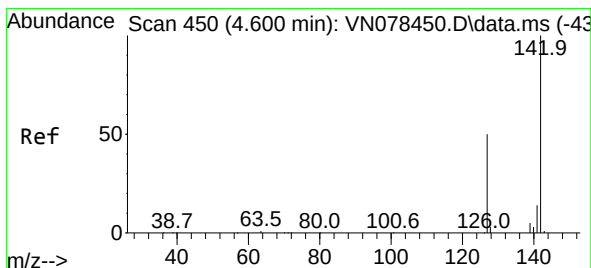
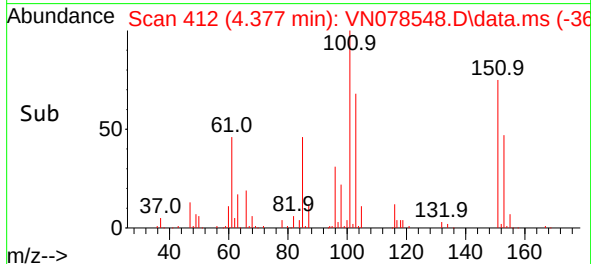
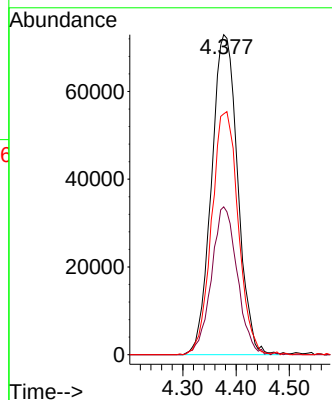
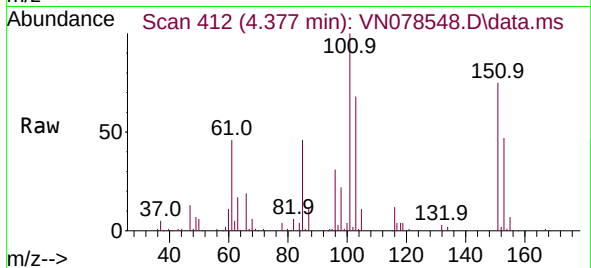
#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.816 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 249510
Ion Ratio Lower Upper
101 100
85 45.5 36.6 55.0
151 76.6 57.6 86.4

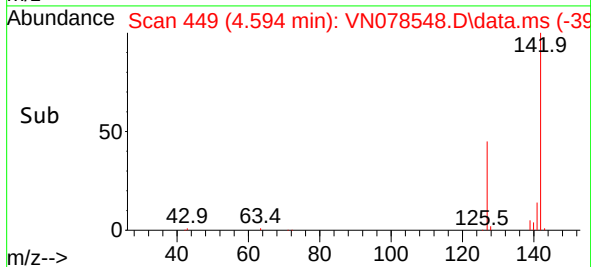
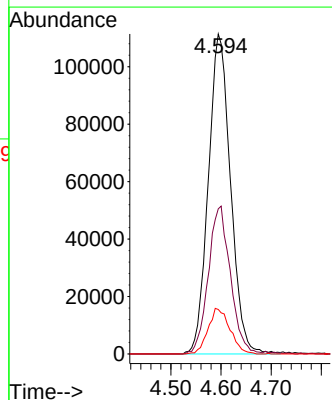
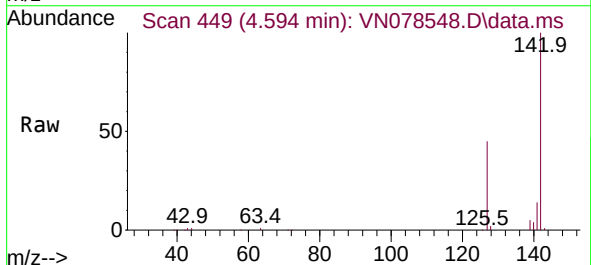
Manual Integrations
APPROVED

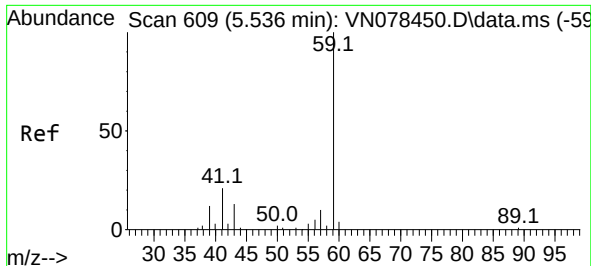
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#10
Methyl Iodide
Concen: 42.830 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

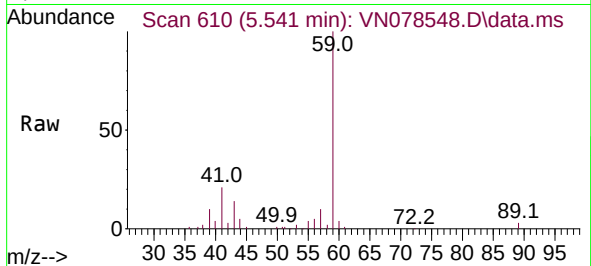
Tgt Ion:142 Resp: 342978
Ion Ratio Lower Upper
142 100
127 45.4 37.6 56.4
141 13.9 11.4 17.0





#11
Tert butyl alcohol
Concen: 217.467 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

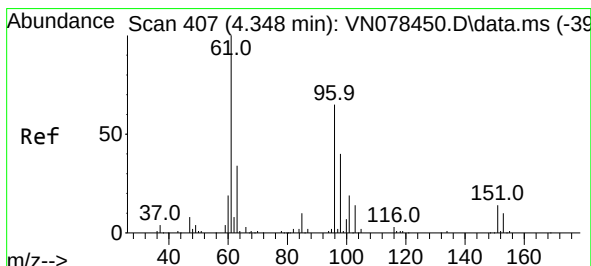
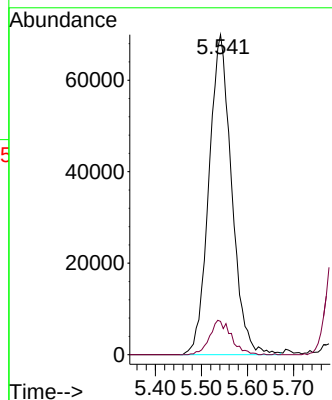
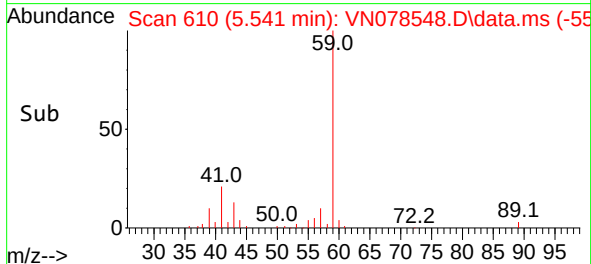
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 59 Resp: 240162
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

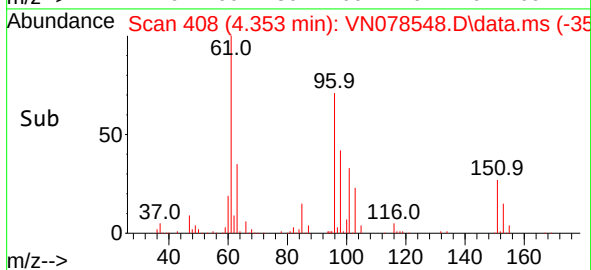
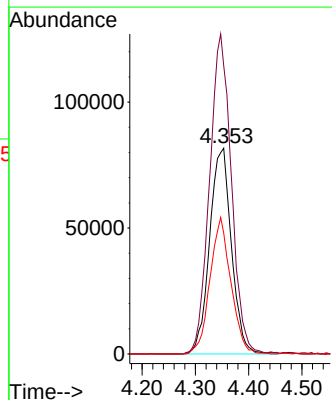
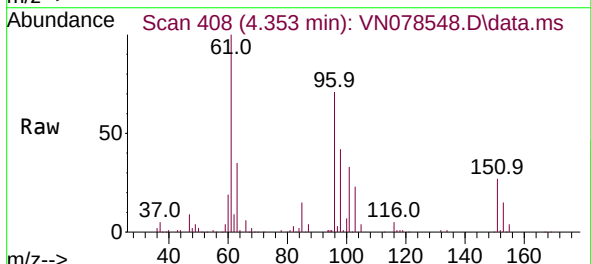
Manual Integrations
APPROVED

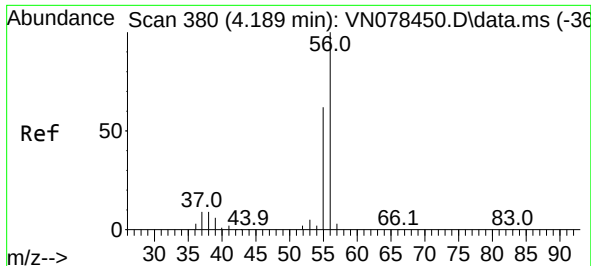
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#12
1,1-Dichloroethene
Concen: 41.311 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

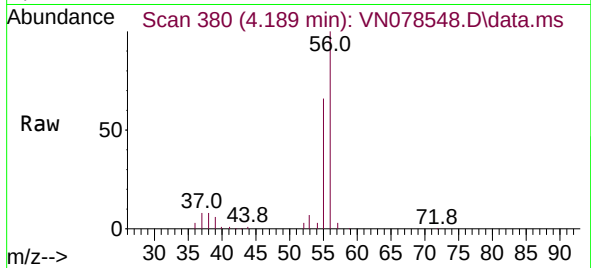
Tgt Ion: 96 Resp: 232868
Ion Ratio Lower Upper
96 100
61 140.1 112.7 169.1
98 58.8 51.2 76.8





#13
Acrolein
Concen: 213.353 ug/l
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

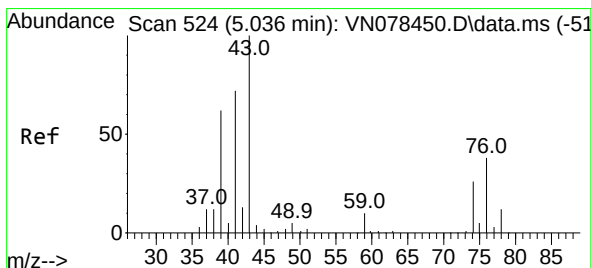
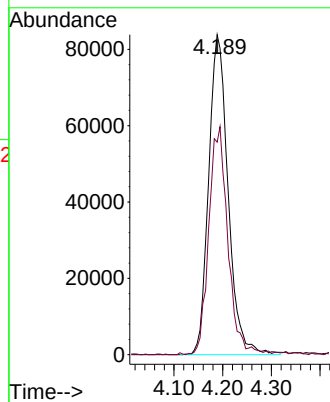
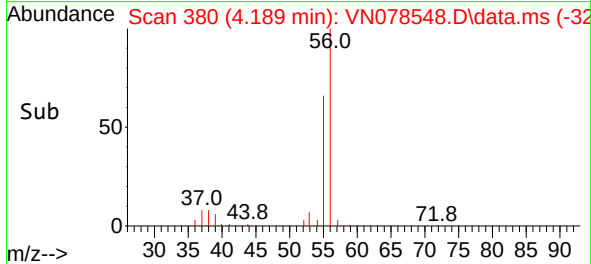
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 23181
Ion Ratio Lower Upper
56 100
55 69.4 54.5 81.7

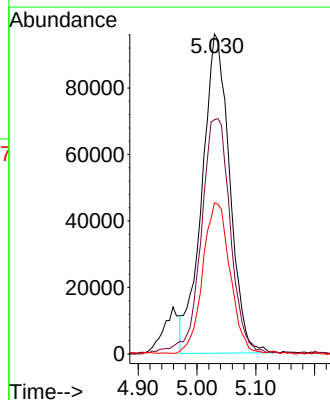
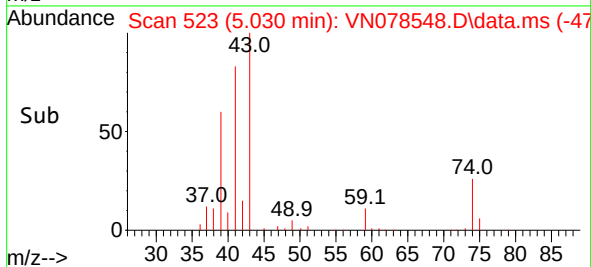
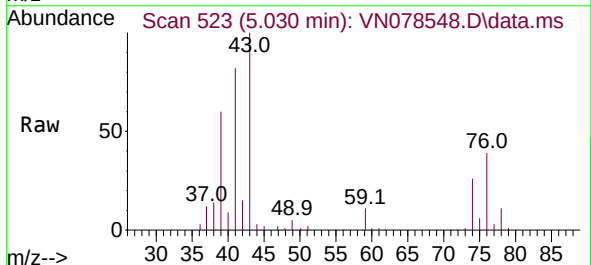
Manual Integrations
APPROVED

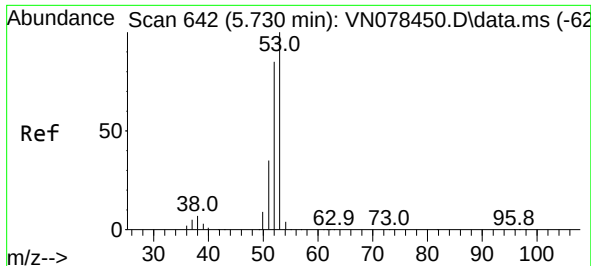
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#14
Allyl chloride
Concen: 40.727 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

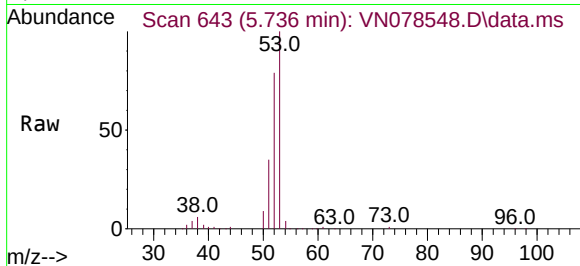
Tgt Ion: 41 Resp: 313699
Ion Ratio Lower Upper
41 100
39 78.4 58.8 88.2
76 46.4 39.1 58.7





#15
Acrylonitrile
Concen: 224.789 ug/l
RT: 5.736 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

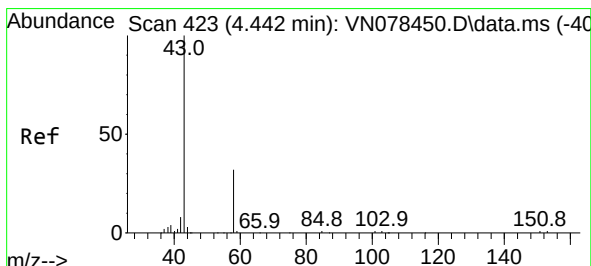
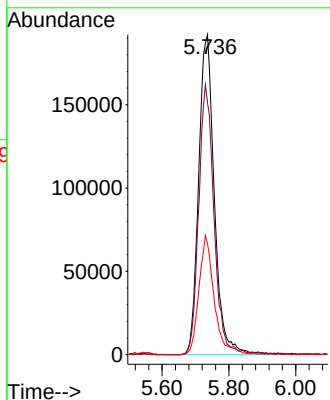
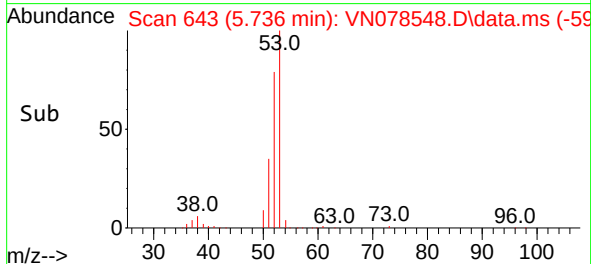
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 53 Resp: 627228
Ion Ratio Lower Upper
53 100
52 82.0 65.3 97.9
51 36.2 28.9 43.3

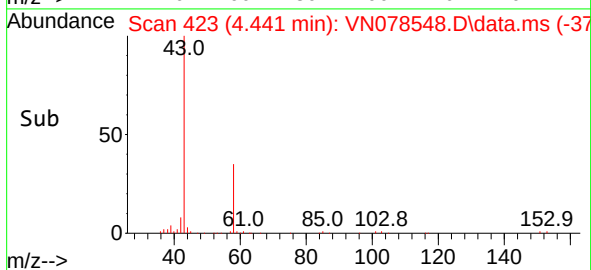
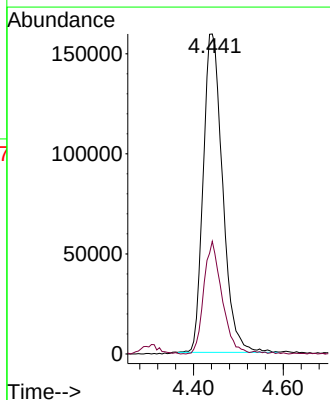
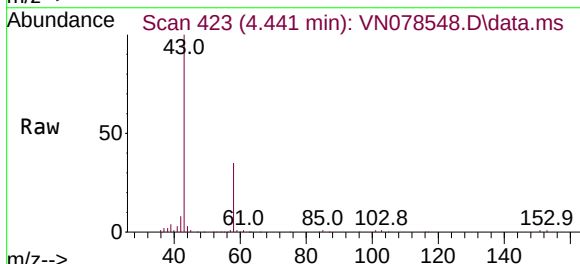
Manual Integrations
APPROVED

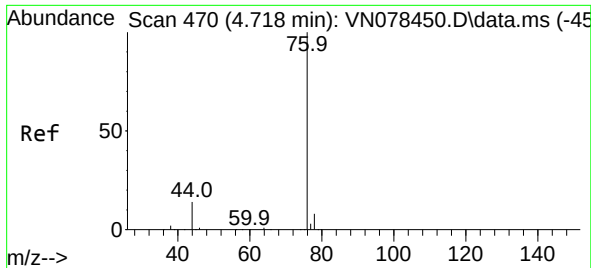
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#16
Acetone
Concen: 213.906 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 43 Resp: 477199
Ion Ratio Lower Upper
43 100
58 35.2 28.0 42.0





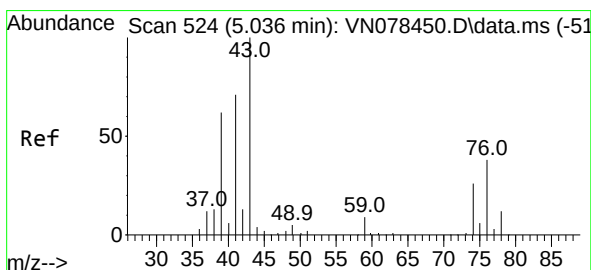
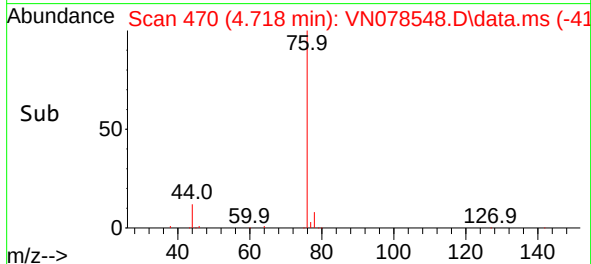
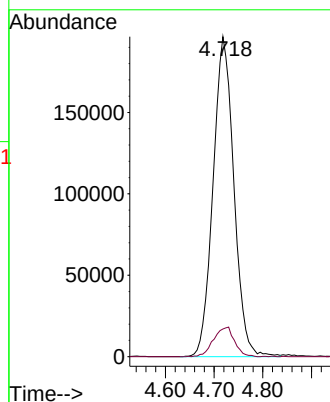
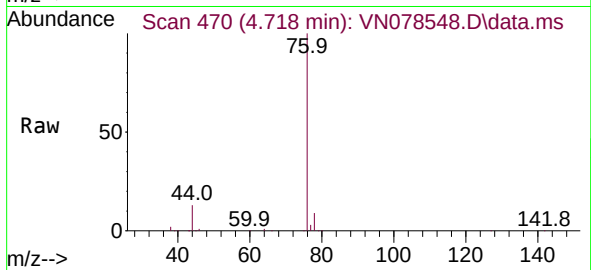
#17
Carbon Disulfide
Concen: 35.800 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 58354
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

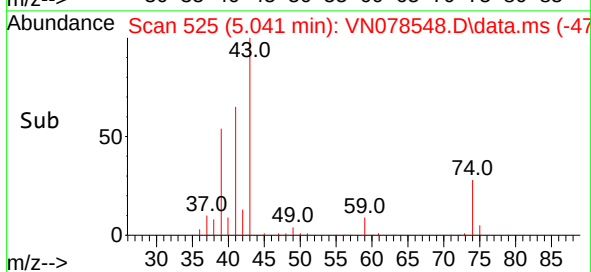
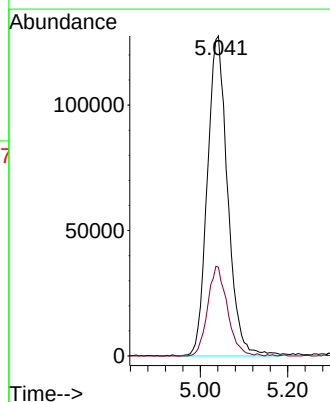
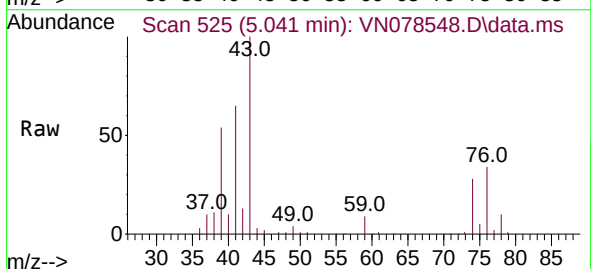
Manual Integrations
APPROVED

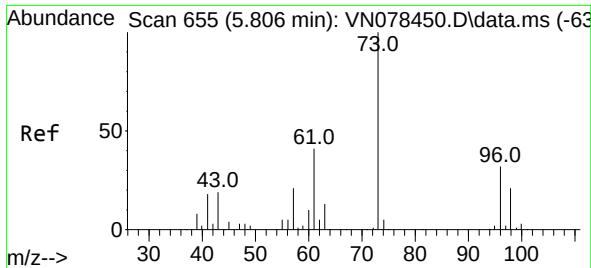
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#18
Methyl Acetate
Concen: 43.580 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 43 Resp: 411562
Ion Ratio Lower Upper
43 100
74 27.2 26.2 39.4





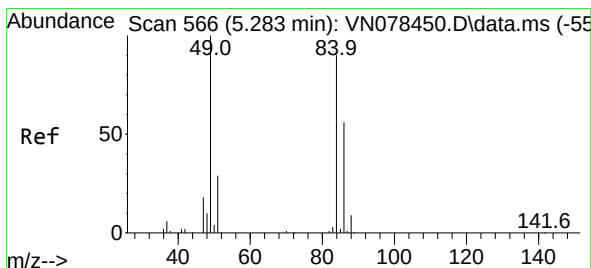
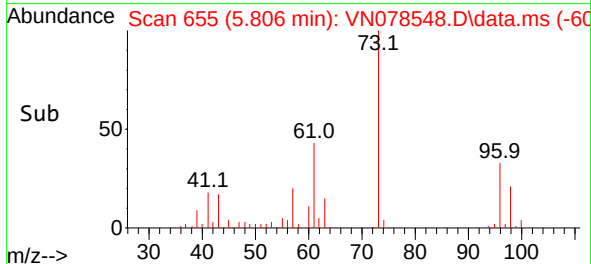
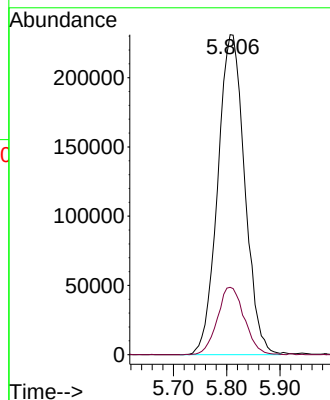
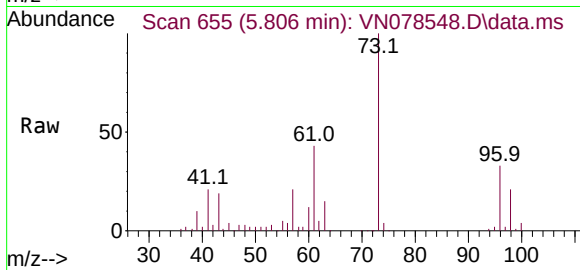
#19
Methyl tert-butyl Ether
Concen: 43.741 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 812389
Ion Ratio Lower Upper
73 100
57 21.1 15.6 23.4

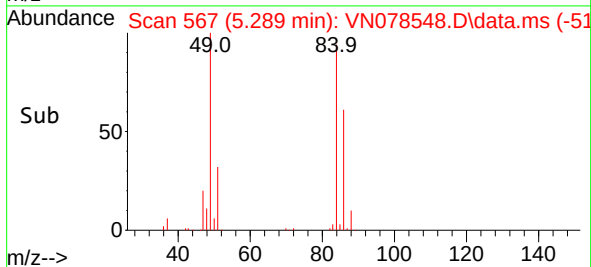
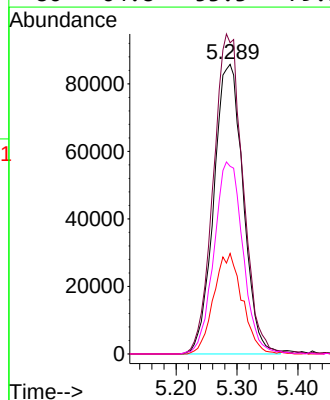
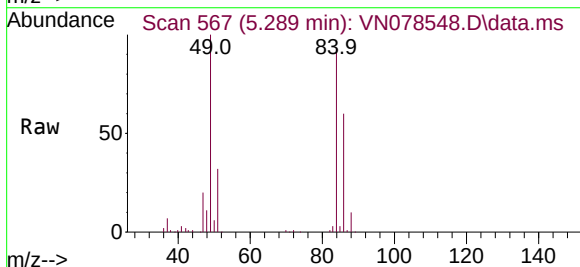
Manual Integrations
APPROVED

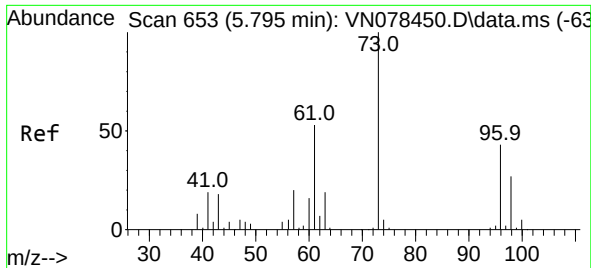
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#20
Methylene Chloride
Concen: 44.749 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

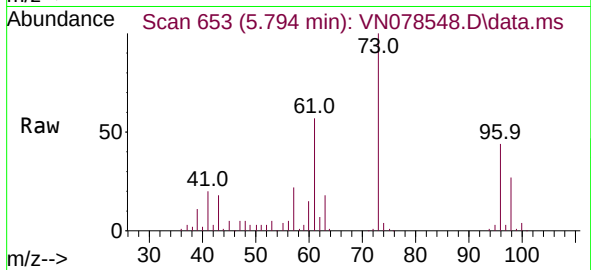
Tgt Ion: 84 Resp: 287172
Ion Ratio Lower Upper
84 100
49 107.4 79.7 119.5
51 34.7 25.2 37.8
86 64.8 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 42.224 ug/l
RT: 5.794 min Scan# 610
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

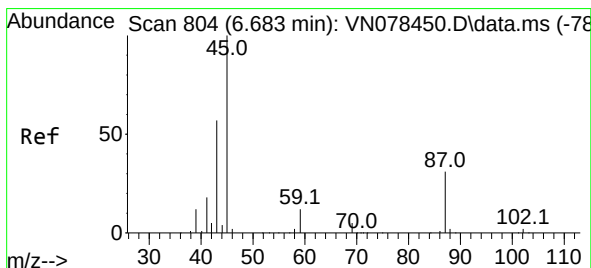
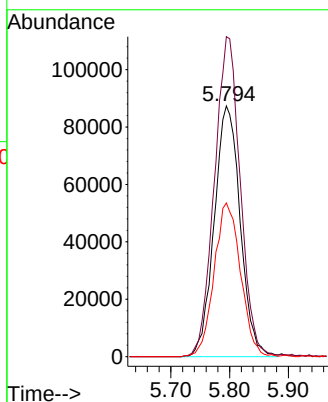
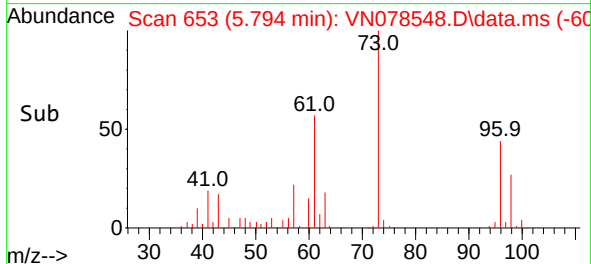
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



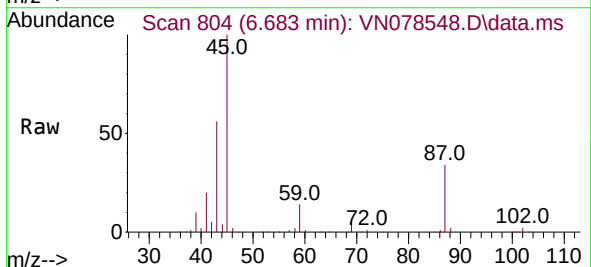
Tgt Ion: 96 Resp: 26821
Ion Ratio Lower Upper
96 100
61 127.6 90.1 135.1
98 61.3 46.4 69.6

Manual Integrations
APPROVED

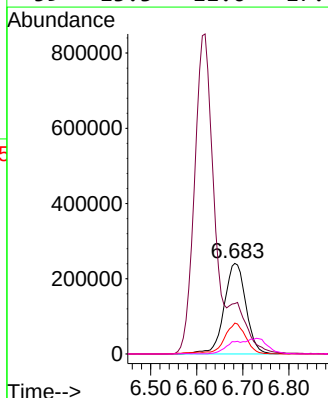
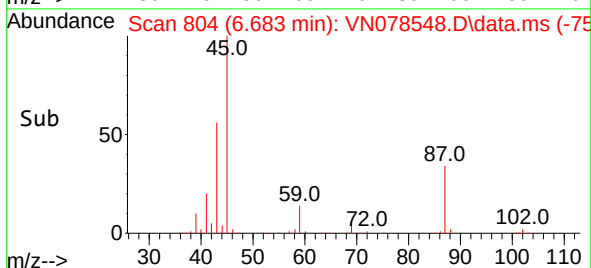
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

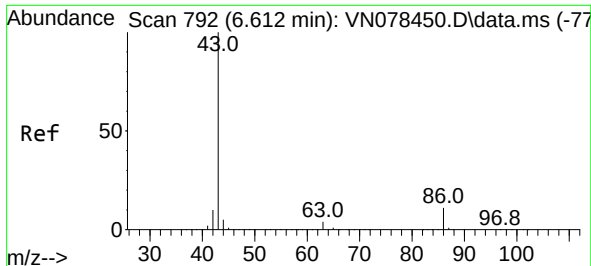


#22
Diisopropyl ether
Concen: 45.667 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



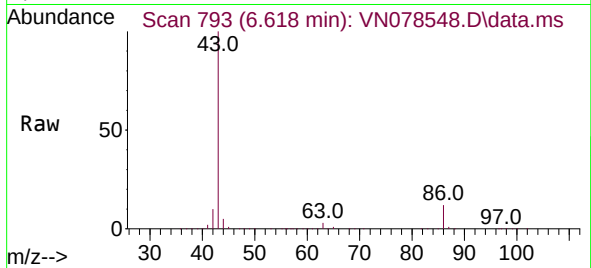
Tgt Ion: 45 Resp: 787625
Ion Ratio Lower Upper
45 100
43 53.9 45.5 68.3
87 34.0 31.8 47.8
59 13.3 11.6 17.4





#23
 Vinyl Acetate
 Concen: 223.089 ug/l
 RT: 6.618 min Scan# 792
 Delta R.T. 0.006 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28

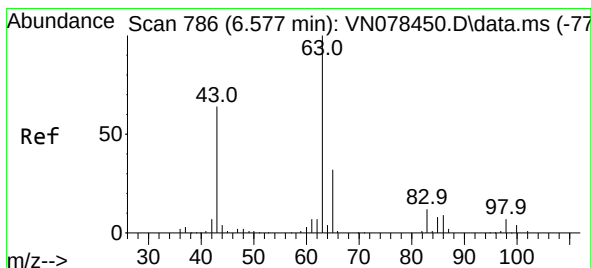
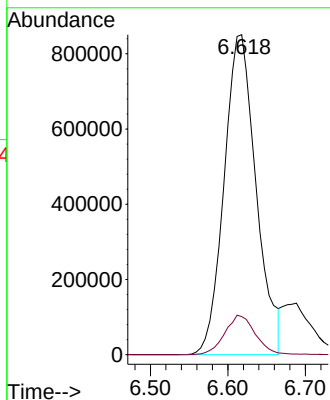
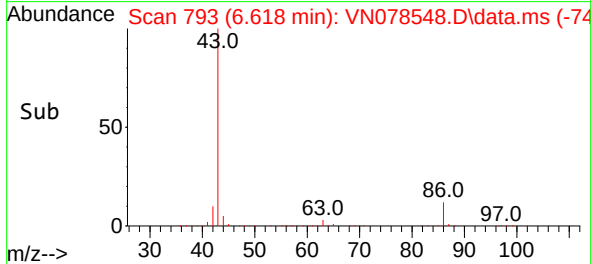
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



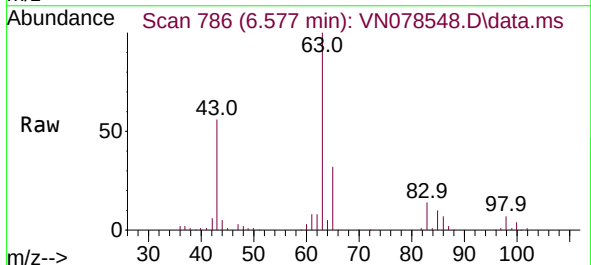
Tgt Ion: 43 Resp: 244608
 Ion Ratio Lower Upper
 43 100
 86 11.9 13.0 19.6

Manual Integrations
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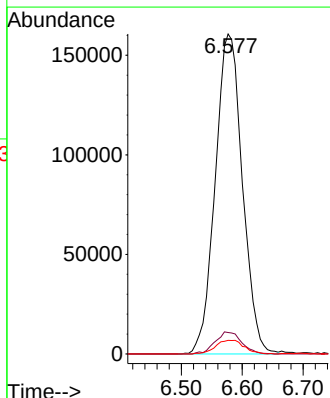
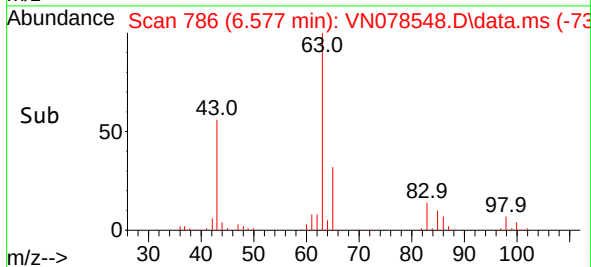
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

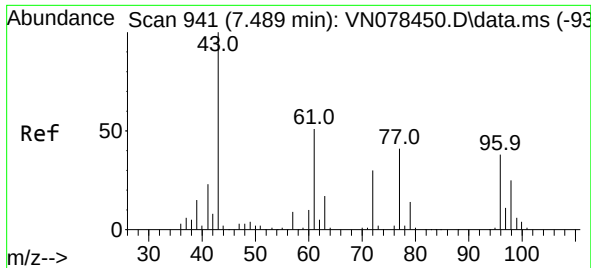


#24
 1,1-Dichloroethane
 Concen: 42.857 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28



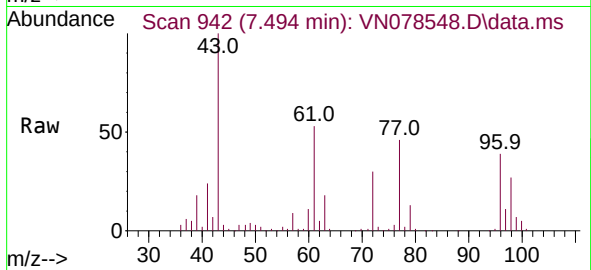
Tgt Ion: 63 Resp: 498066
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.9 11.7
 100 4.3 2.5 7.4





#25
2-Butanone
Concen: 225.270 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

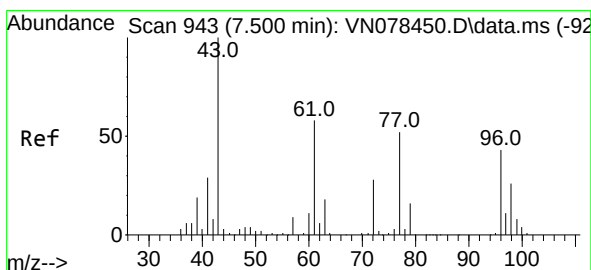
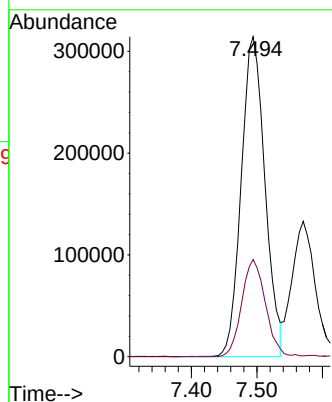
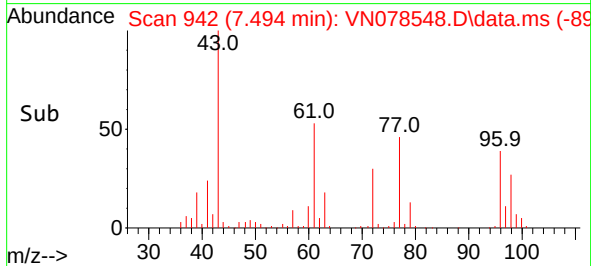
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 791083
Ion Ratio Lower Upper
43 100
72 30.4 30.2 45.2

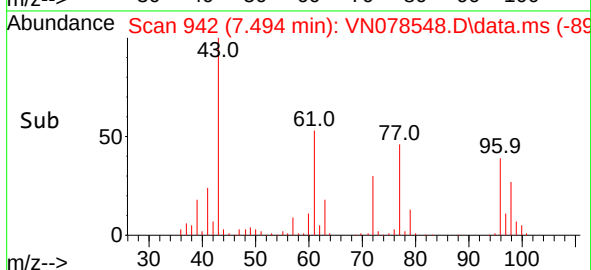
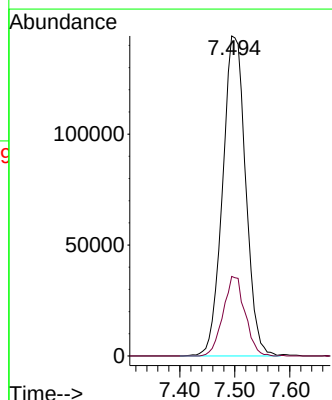
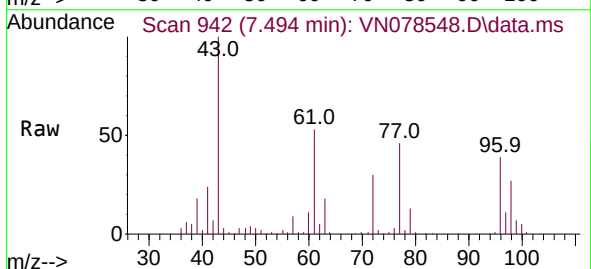
Manual Integrations
APPROVED

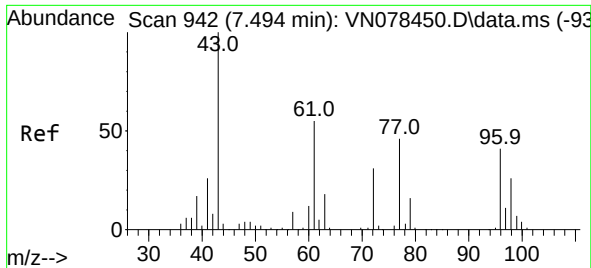
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#26
2,2-Dichloropropane
Concen: 44.211 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

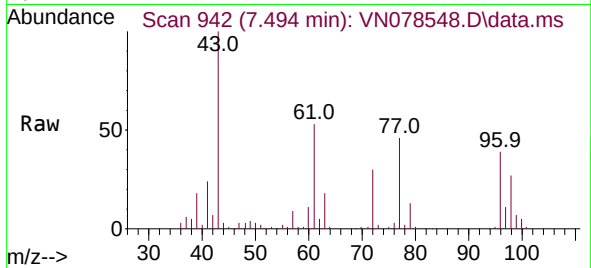
Tgt Ion: 77 Resp: 420236
Ion Ratio Lower Upper
77 100
97 23.6 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 44.299 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28

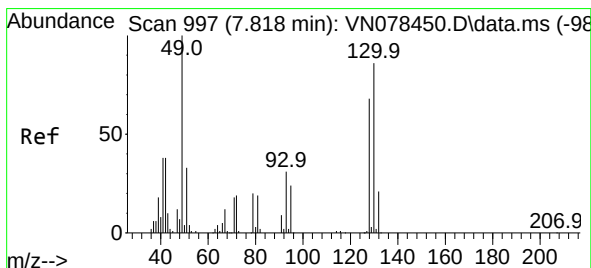
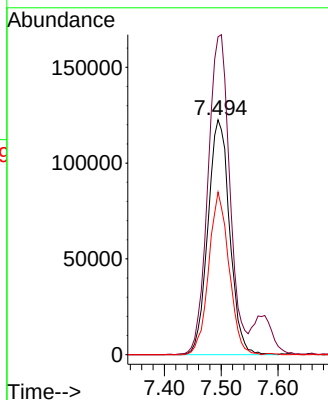
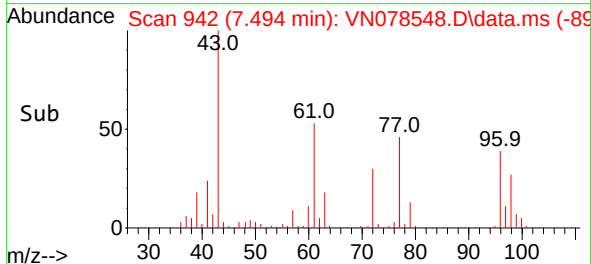
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



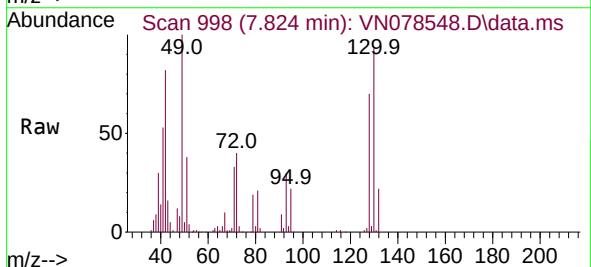
Tgt Ion: 96 Resp: 32552
 Ion Ratio Lower Upper
 96 100
 61 137.3 0.0 255.2
 98 64.5 0.0 128.8

Manual Integrations
 APPROVED

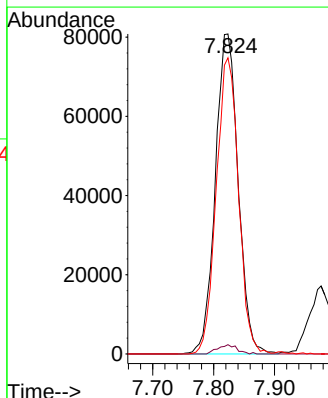
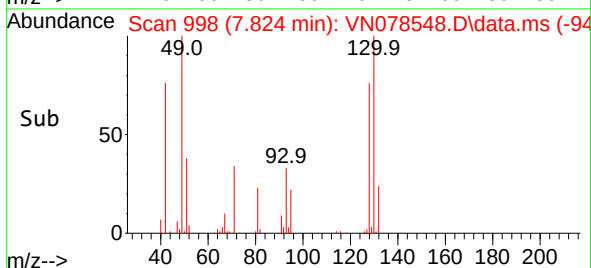
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023

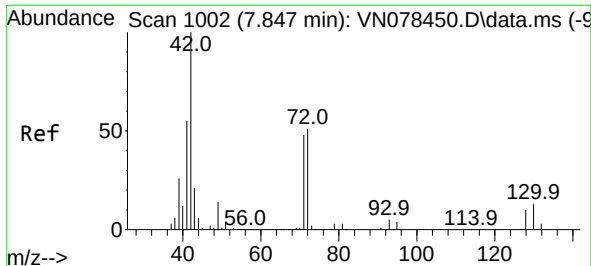


#28
 Bromochloromethane
 Concen: 38.464 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28



Tgt Ion: 49 Resp: 210546
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 90.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 223.157 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 51421

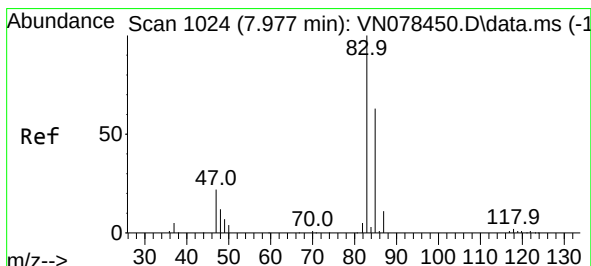
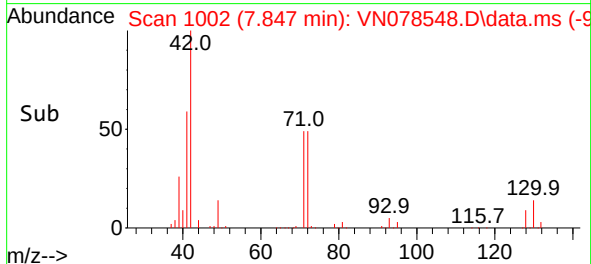
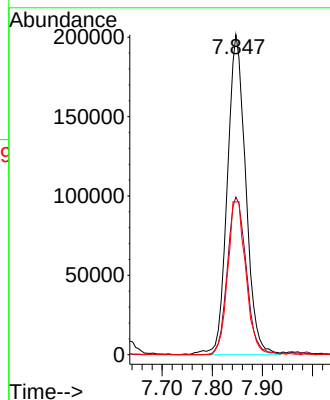
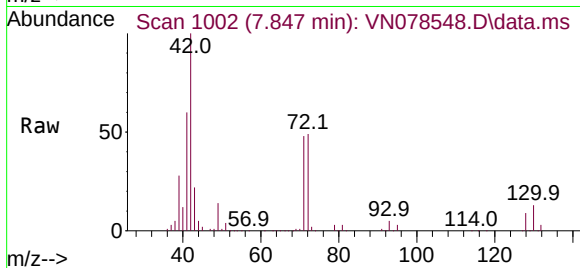
Ion	Ratio	Lower	Upper
42	100		
72	50.5	49.8	74.6
71	47.4	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#30

Chloroform

Concen: 45.224 ug/l

RT: 7.977 min Scan# 1024

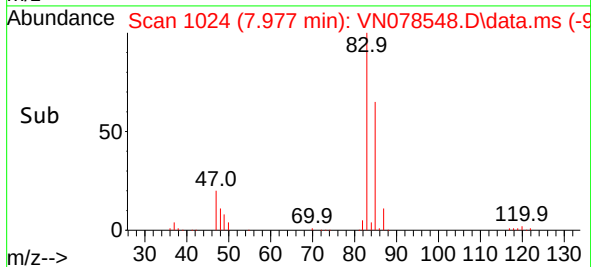
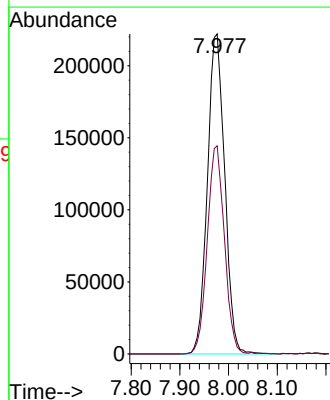
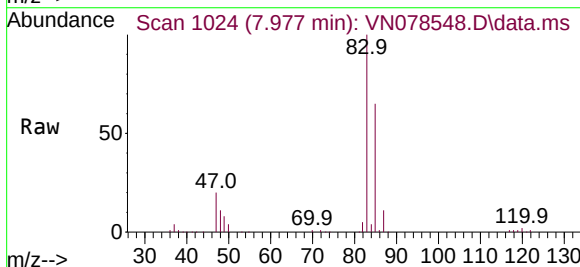
Delta R.T. -0.000 min

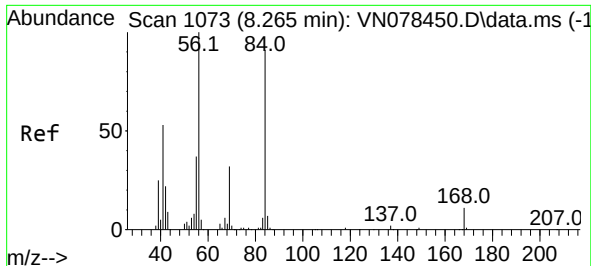
Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Tgt Ion: 83 Resp: 547178

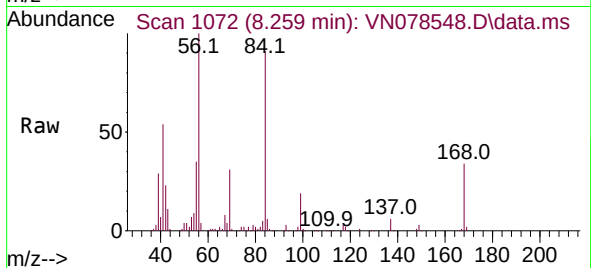
Ion	Ratio	Lower	Upper
83	100		
85	65.1	55.4	83.0





#31
Cyclohexane
Concen: 42.631 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

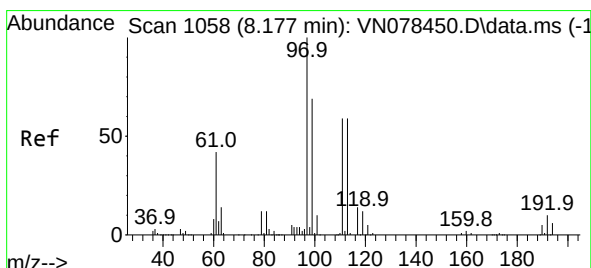
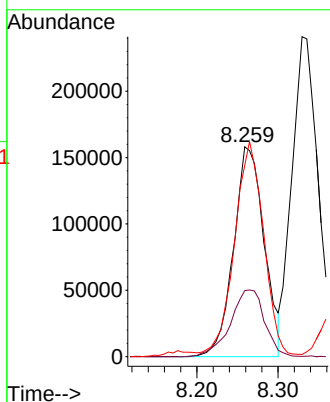
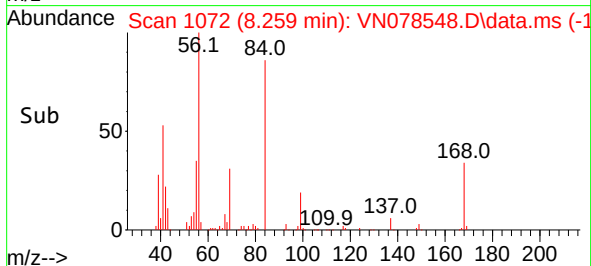
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 56 Resp: 412614
Ion Ratio Lower Upper
56 100
69 31.5 26.8 40.2
84 88.2 81.8 122.6

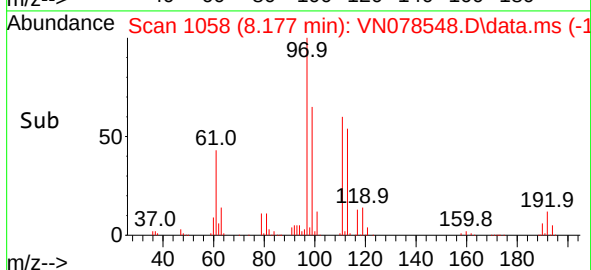
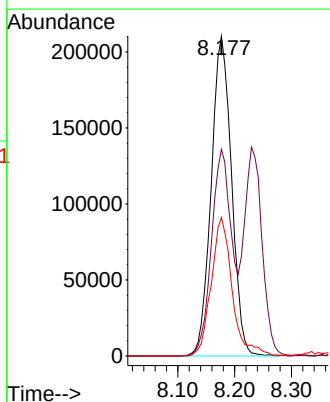
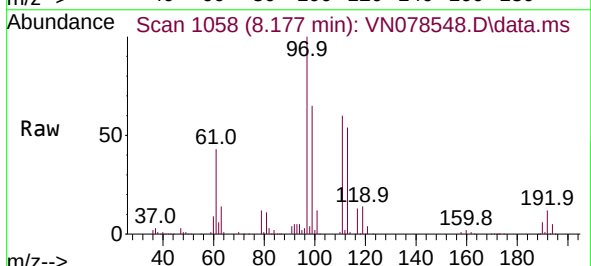
Manual Integrations
APPROVED

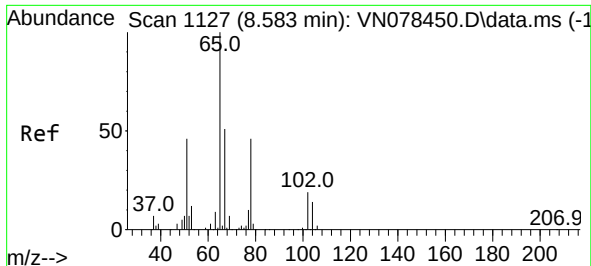
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#32
1,1,1-Trichloroethane
Concen: 48.147 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 97 Resp: 522297
Ion Ratio Lower Upper
97 100
99 64.6 50.3 75.5
61 44.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 43.457 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 311228

Ion Ratio Lower Upper

65 100

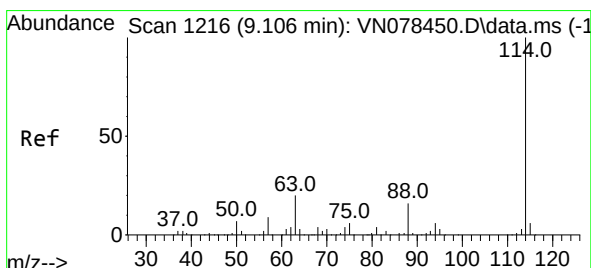
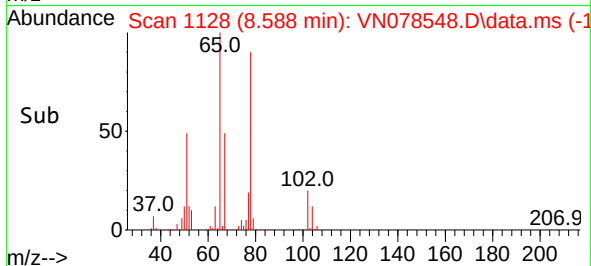
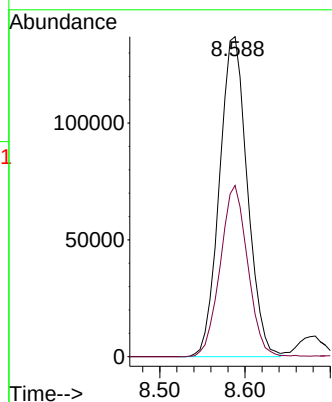
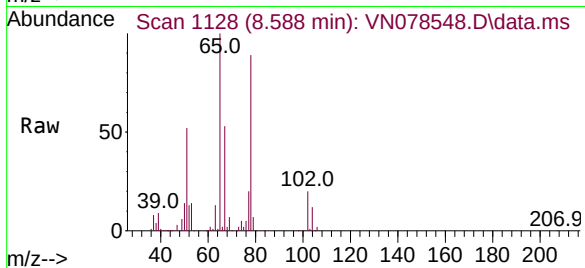
67 52.7 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

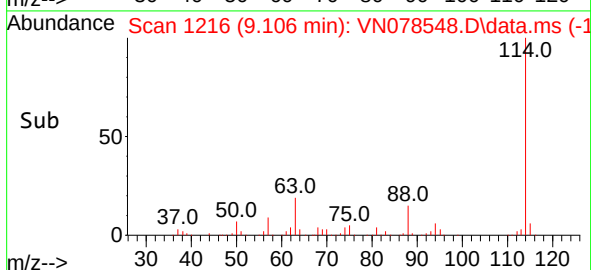
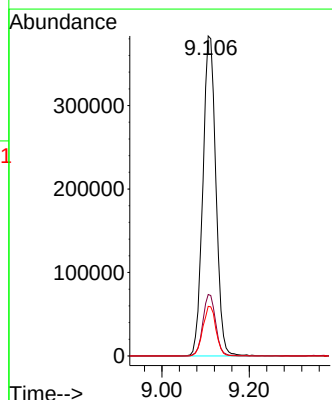
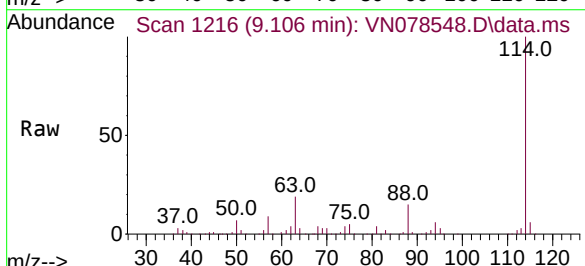
Tgt Ion:114 Resp: 796954

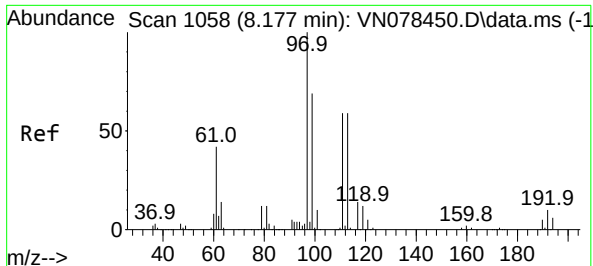
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.248 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 27184

Ion Ratio Lower Upper

113 100

111 105.0 82.6 123.8

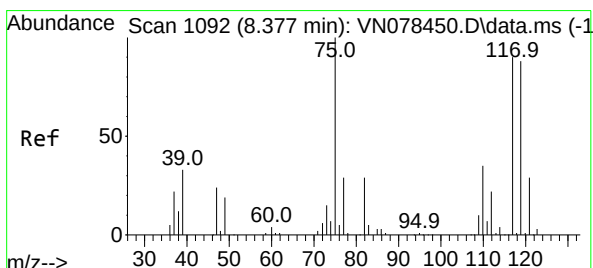
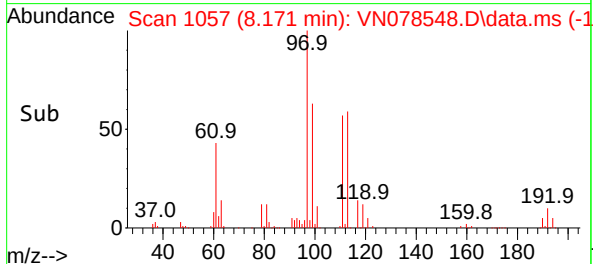
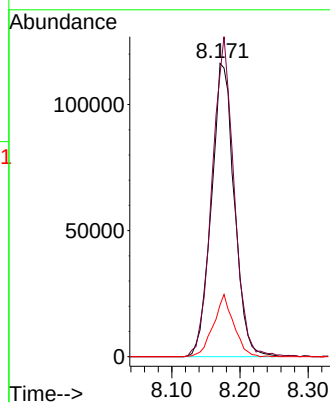
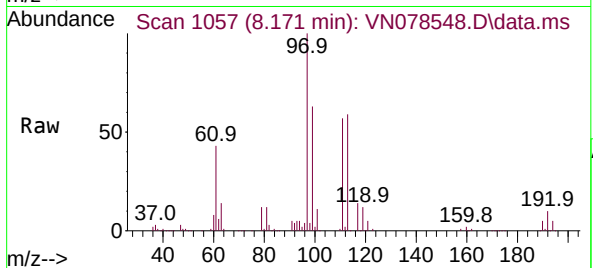
192 18.8 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#36

1,1-Dichloropropene

Concen: 54.022 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

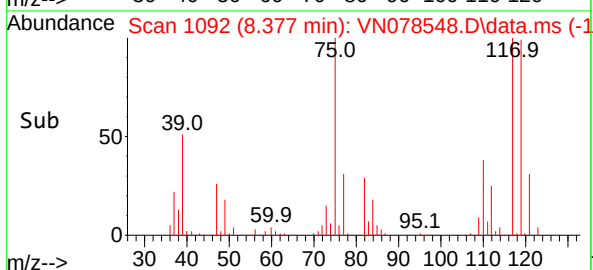
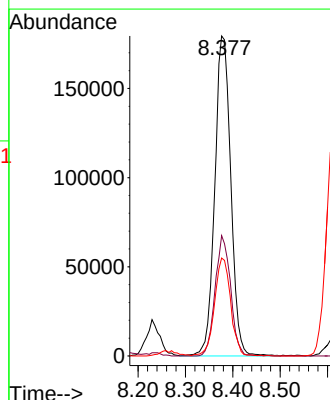
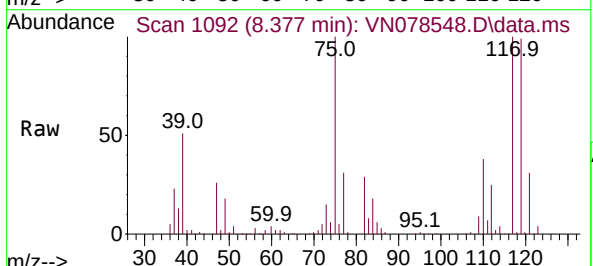
Tgt Ion: 75 Resp: 421992

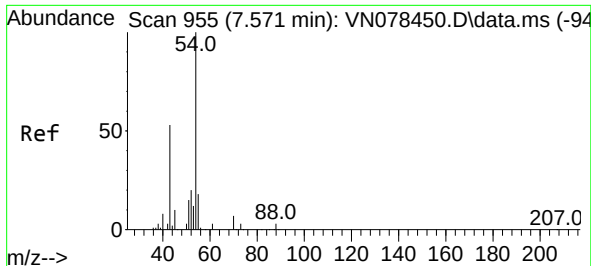
Ion Ratio Lower Upper

75 100

110 36.2 19.1 57.3

77 30.8 25.0 37.4





#37

Ethyl Acetate

Concen: 52.118 ug/l

RT: 7.571 min Scan# 90

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 33938

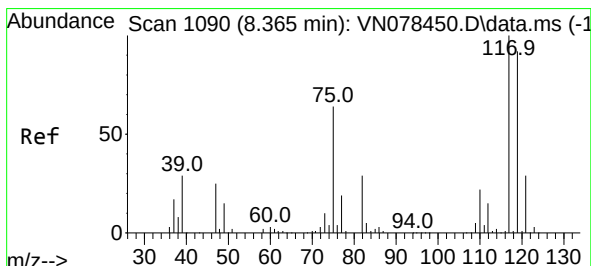
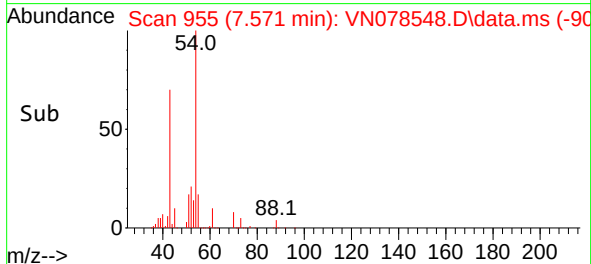
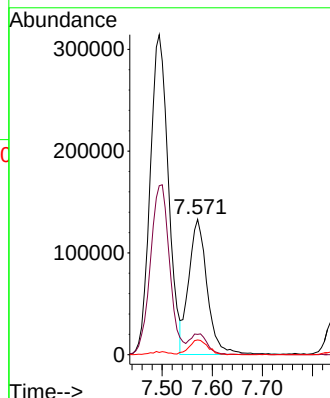
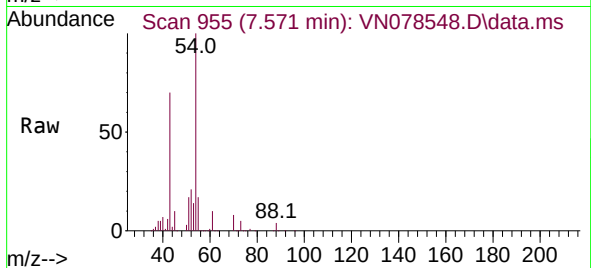
Ion	Ratio	Lower	Upper
43	100		
61	14.2	13.2	19.8
70	11.0	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#38

Carbon Tetrachloride

Concen: 54.874 ug/l

RT: 8.371 min Scan# 1091

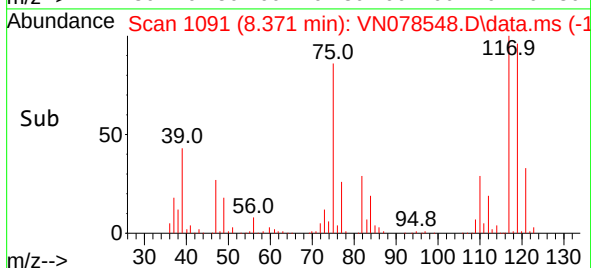
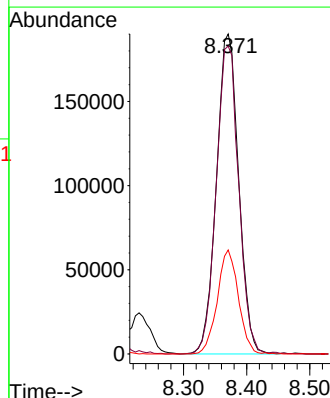
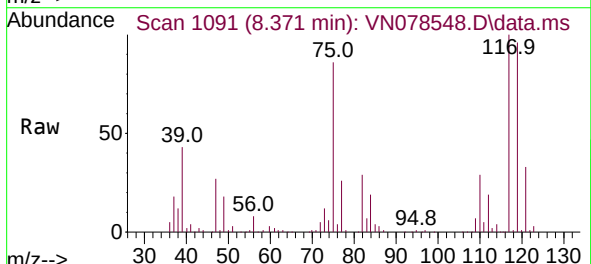
Delta R.T. 0.006 min

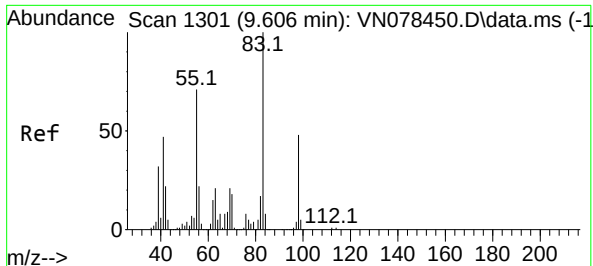
Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Tgt Ion:117 Resp: 465870

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	32.5	23.3	34.9





#39

Methylcyclohexane

Concen: 51.220 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

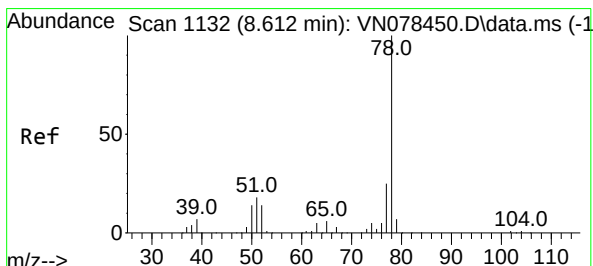
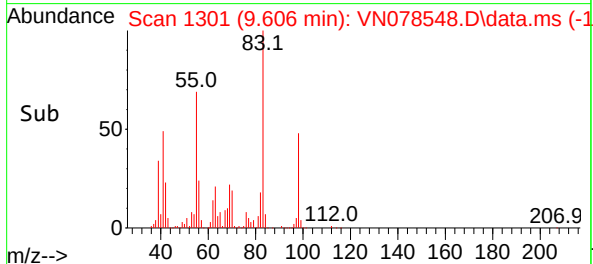
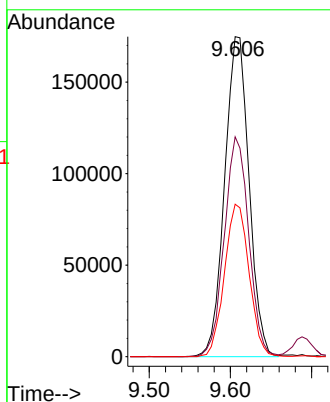
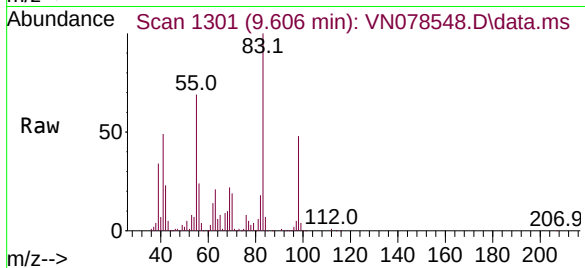
Tgt Ion:	83	Resp:	36521
Ion	Ratio	Lower	Upper
83	100		
55	68.7	49.1	73.7
98	47.6	40.6	61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#40

Benzene

Concen: 54.060 ug/l

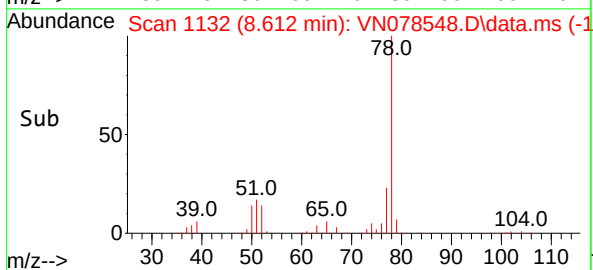
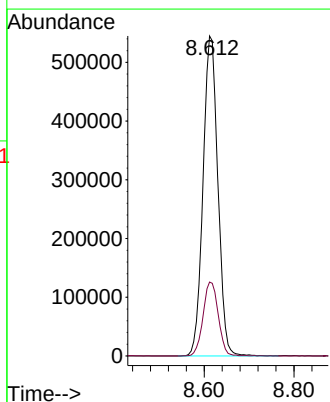
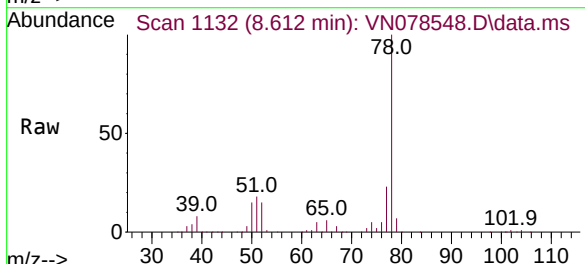
RT: 8.612 min Scan# 1132

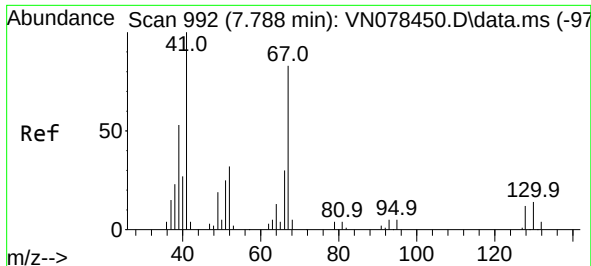
Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

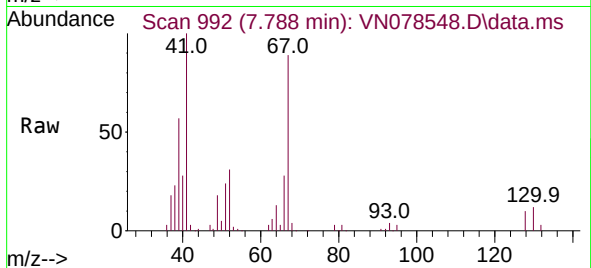
Tgt Ion:	78	Resp:	1251072
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6





#41
Methacrylonitrile
Concen: 51.420 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

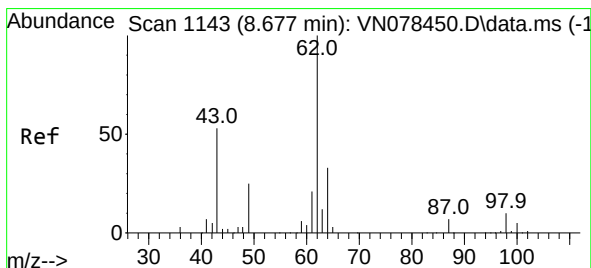
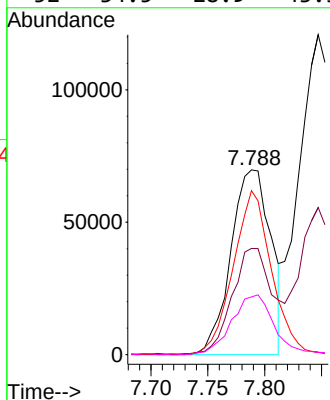
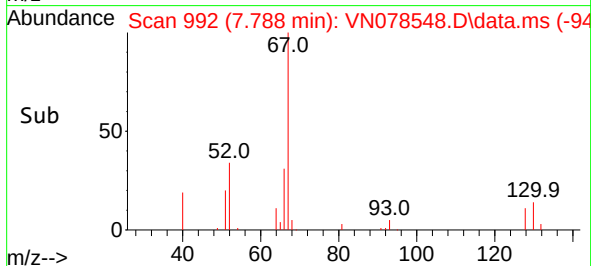
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



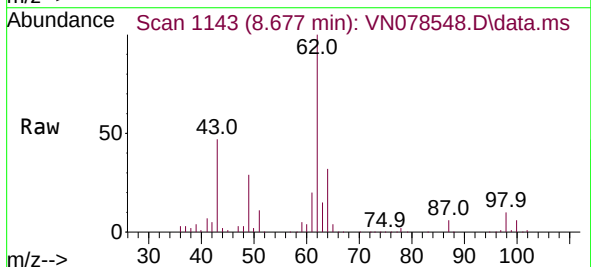
Tgt Ion: 41 Resp: 170694
Ion Ratio Lower Upper
41 100
39 58.8 42.6 64.0
67 85.3 77.5 116.3
52 34.5 28.9 43.3

Manual Integrations
APPROVED

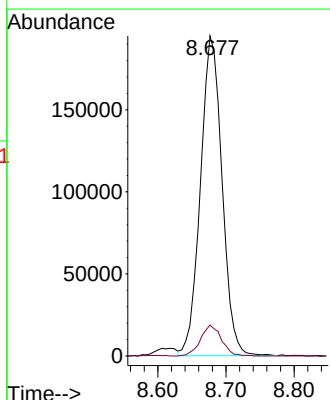
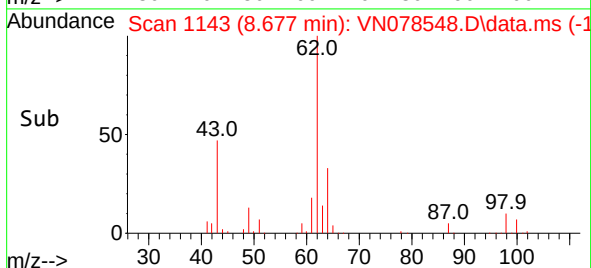
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

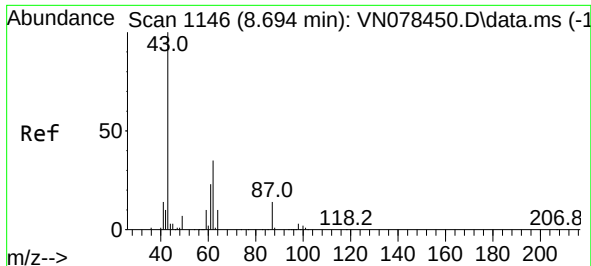


#42
1,2-Dichloroethane
Concen: 54.539 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



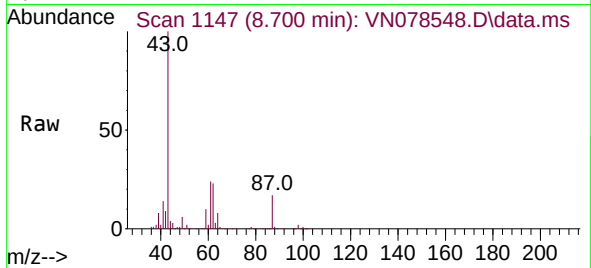
Tgt Ion: 62 Resp: 429303
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8





#43
Isopropyl Acetate
Concen: 56.225 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

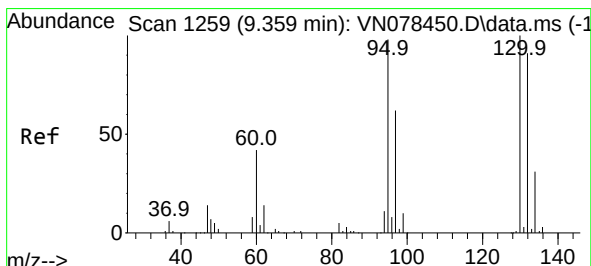
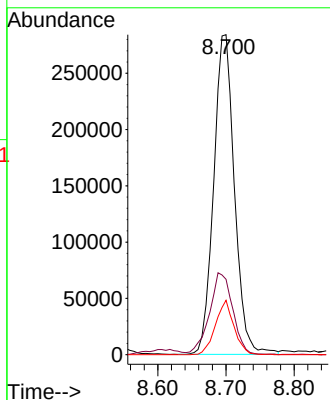
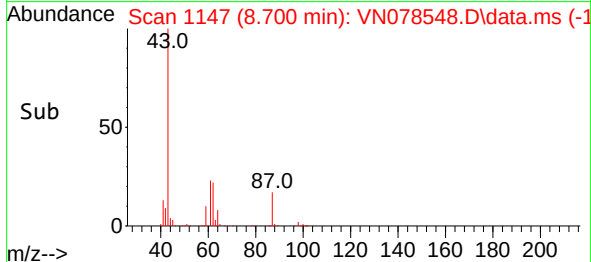
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 60278
Ion Ratio Lower Upper
43 100
61 28.8 24.7 37.1
87 15.2 14.6 21.8

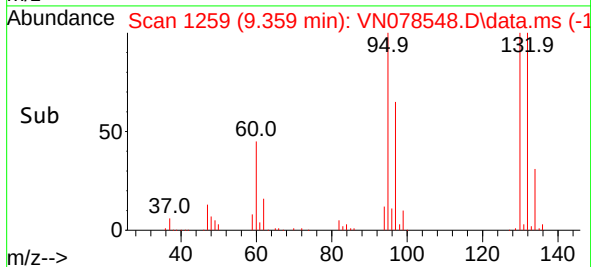
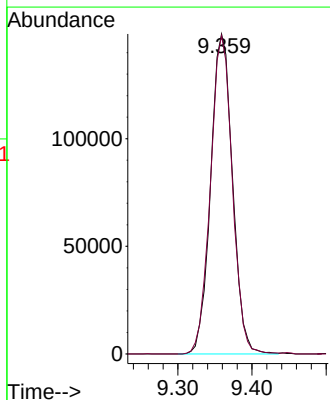
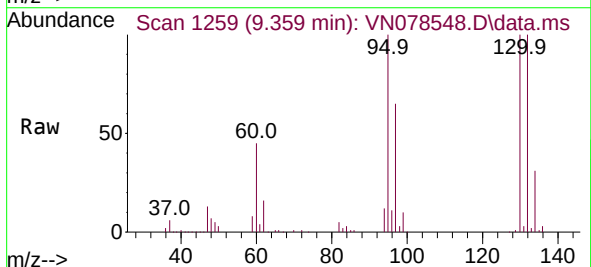
Manual Integrations
APPROVED

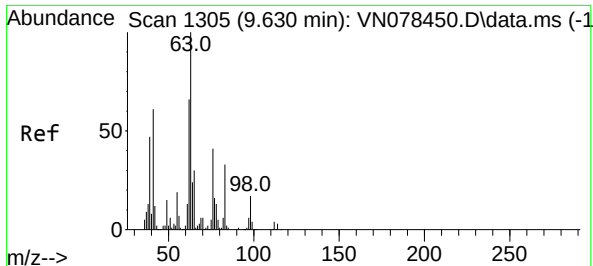
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#44
Trichloroethene
Concen: 48.776 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion:130 Resp: 304228
Ion Ratio Lower Upper
130 100
95 99.5 0.0 204.6





#45

1,2-Dichloropropane

Concen: 52.205 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. -0.001 min

Lab File: VN078548.D

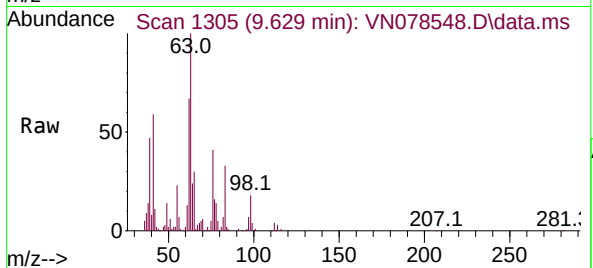
Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 63 Resp: 305989

Ion Ratio Lower Upper

63 100

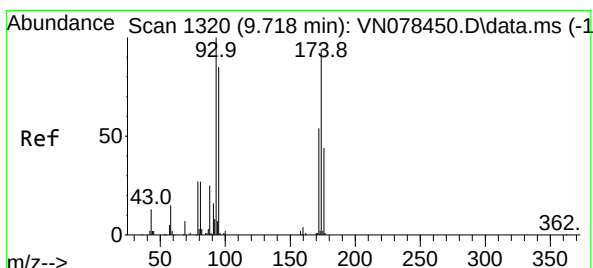
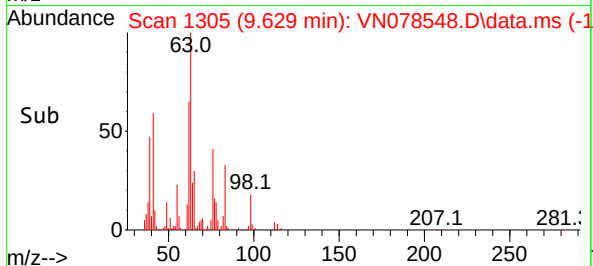
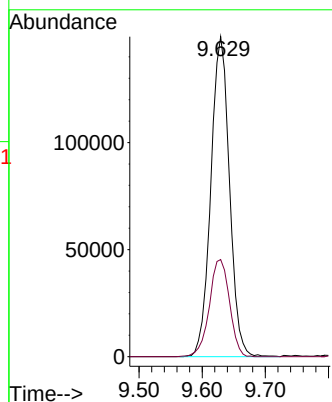
65 30.3 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#46

Dibromomethane

Concen: 50.994 ug/l

RT: 9.718 min Scan# 1320

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

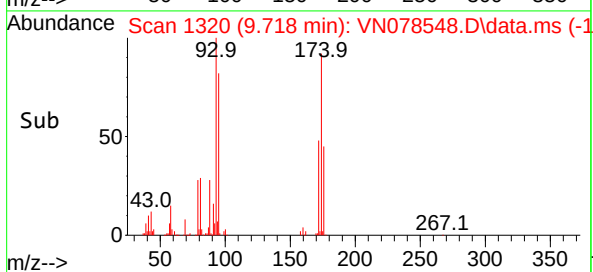
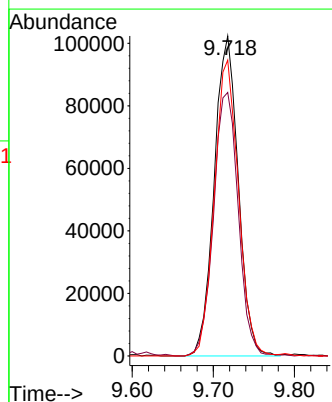
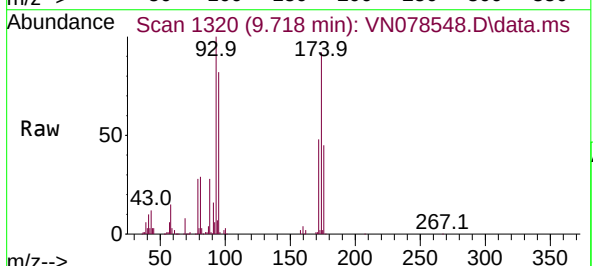
Tgt Ion: 93 Resp: 210368

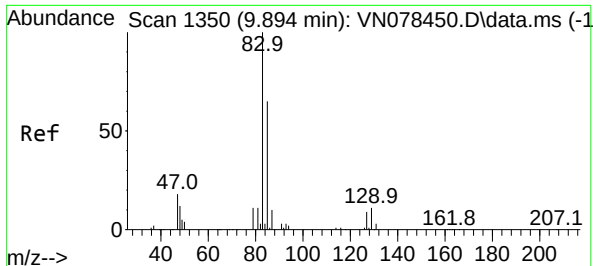
Ion Ratio Lower Upper

93 100

95 84.7 63.8 95.8

174 92.8 65.6 98.4





#47

Bromodichloromethane

Concen: 52.476 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 433958

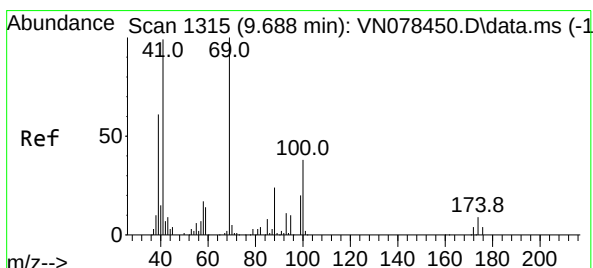
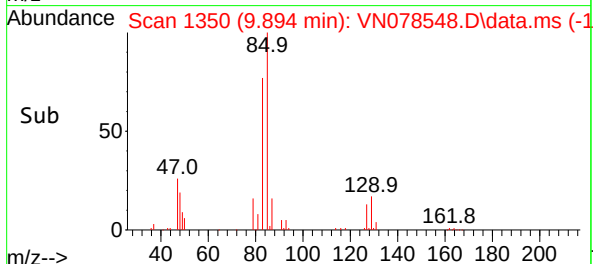
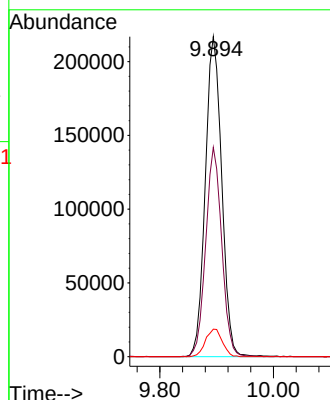
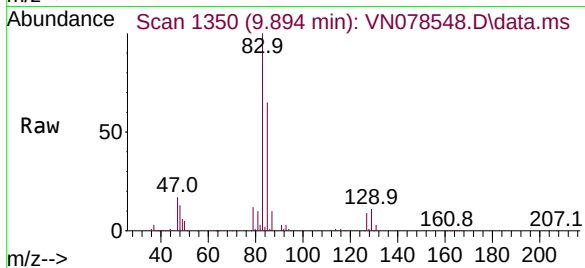
Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.6	74.4
127	8.6	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#48

Methyl methacrylate

Concen: 53.228 ug/l

RT: 9.688 min Scan# 1315

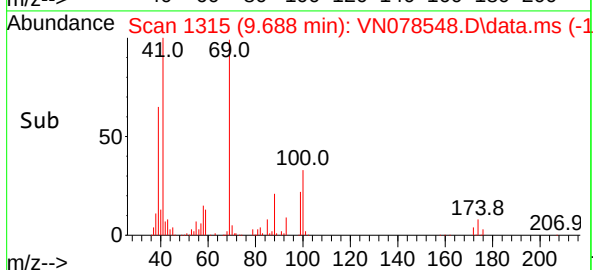
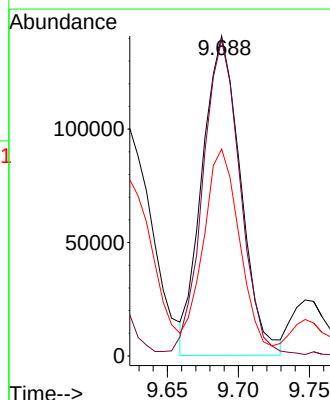
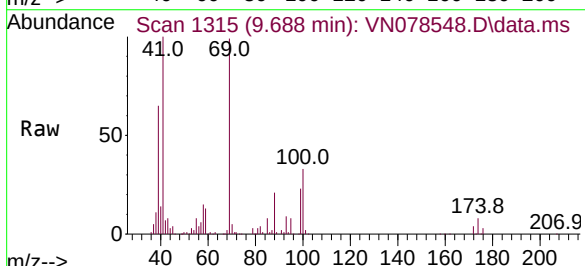
Delta R.T. 0.000 min

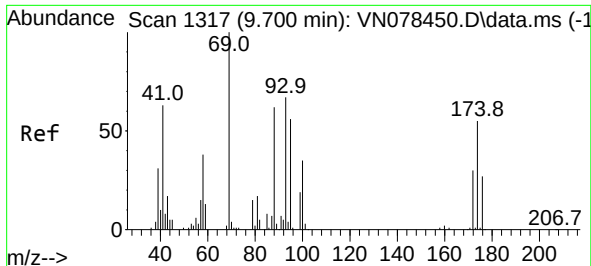
Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Tgt Ion: 41 Resp: 264379

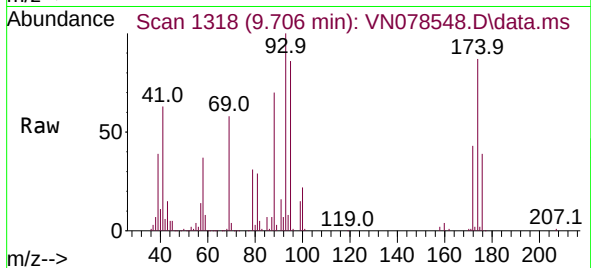
Ion	Ratio	Lower	Upper
41	100		
69	95.9	90.4	135.6
39	62.1	54.6	81.8





#49
1,4-Dioxane
Concen: 1043.307 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

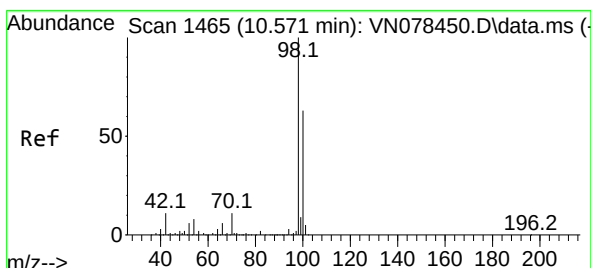
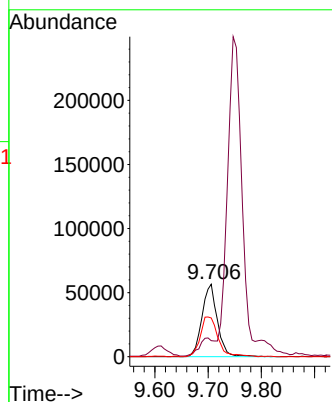
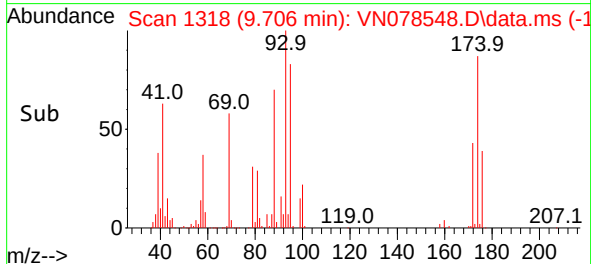
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 88 Resp: 113009
Ion Ratio Lower Upper
88 100
43 23.7 17.0 25.6
58 63.0 47.0 70.4

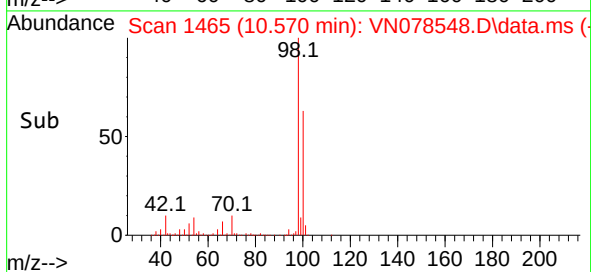
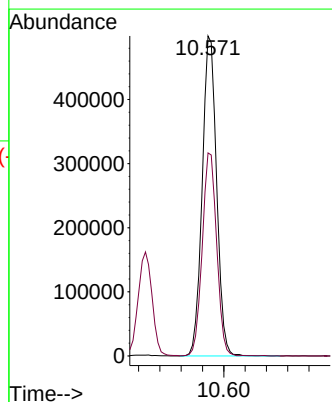
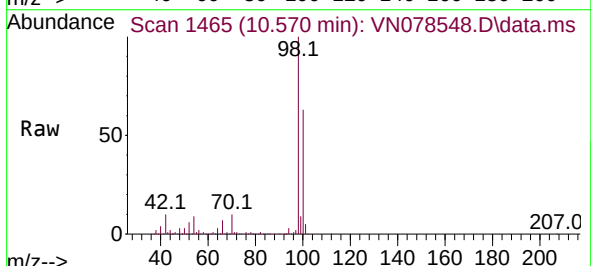
Manual Integrations
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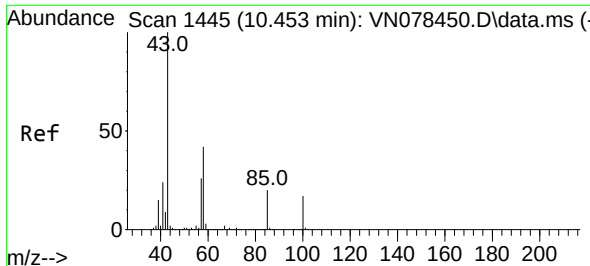
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#50
Toluene-d8
Concen: 45.629 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 98 Resp: 932524
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0





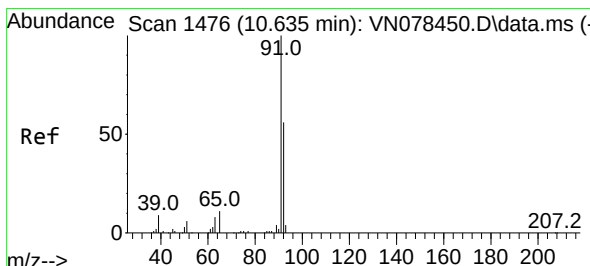
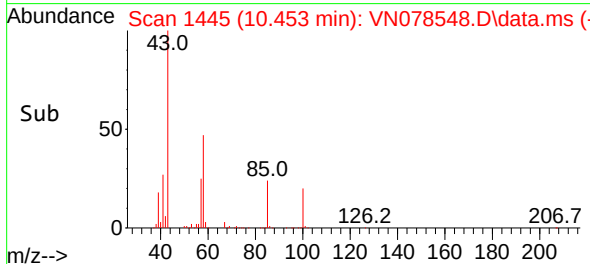
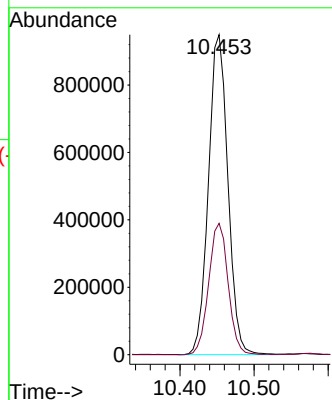
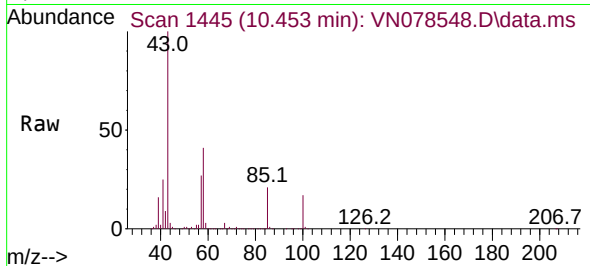
#51
4-Methyl-2-Pentanone
Concen: 271.778 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 173310
Ion Ratio Lower Upper
43 100
58 41.1 36.6 54.8

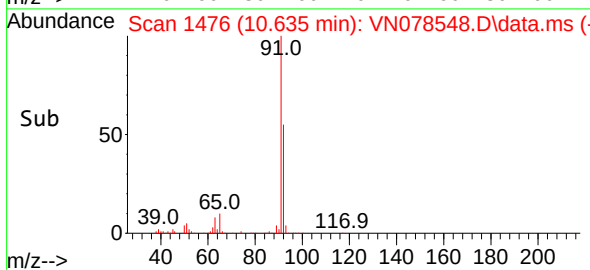
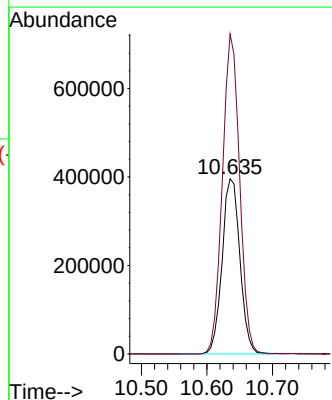
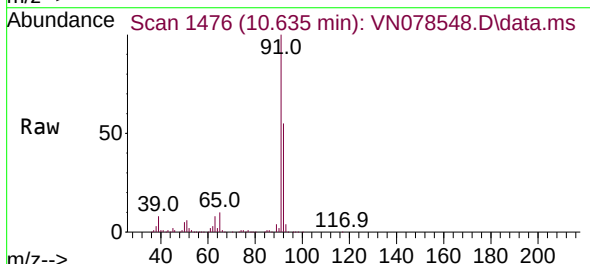
Manual Integrations
APPROVED

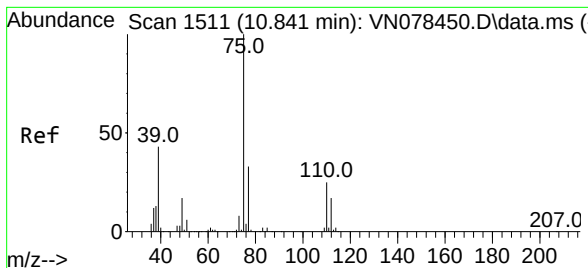
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#52
Toluene
Concen: 51.828 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

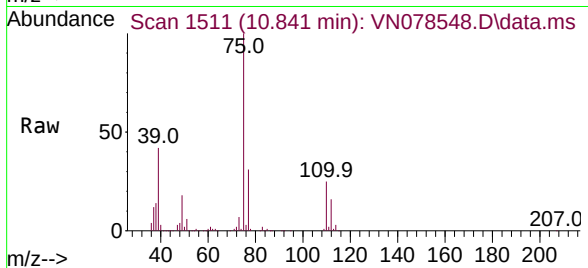
Tgt Ion: 92 Resp: 743375
Ion Ratio Lower Upper
92 100
91 177.2 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 52.636 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

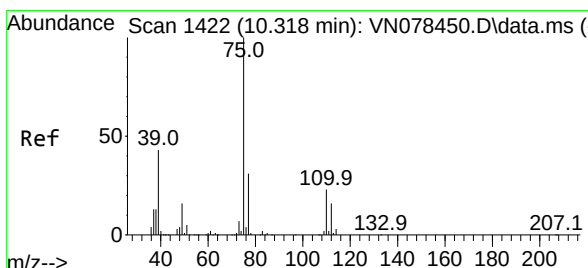
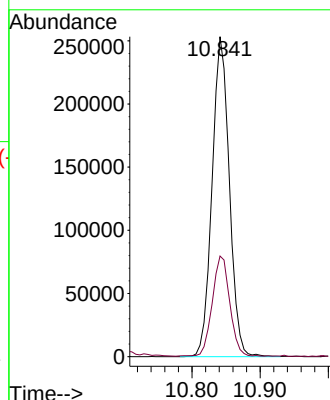
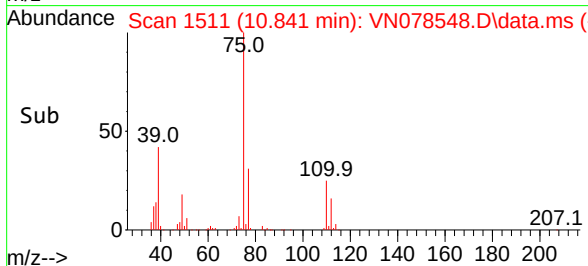
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 44593
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0

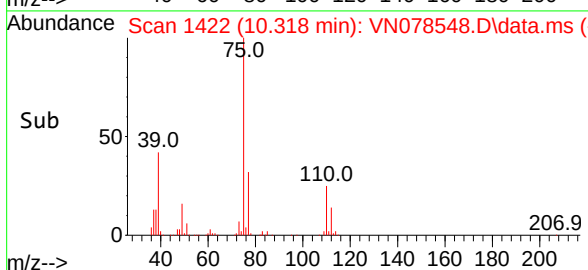
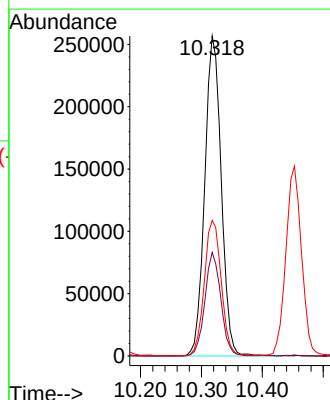
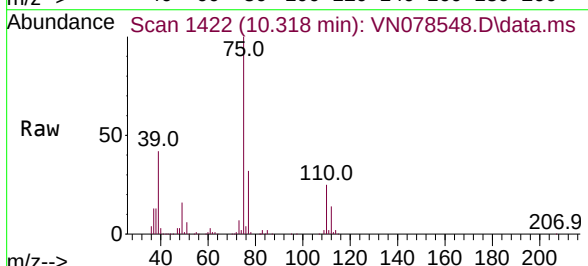
Manual Integrations
APPROVED

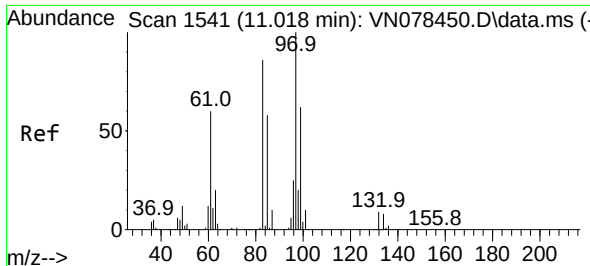
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#54
cis-1,3-Dichloropropene
Concen: 53.508 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

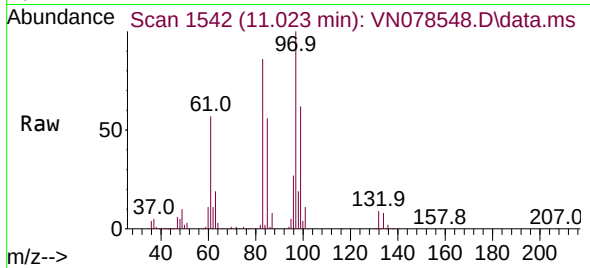
Tgt Ion: 75 Resp: 483209
Ion Ratio Lower Upper
75 100
77 32.3 26.1 39.1
39 42.2 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 53.488 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

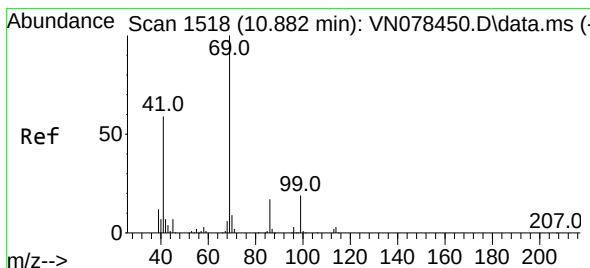
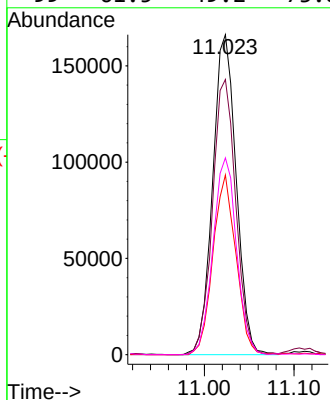
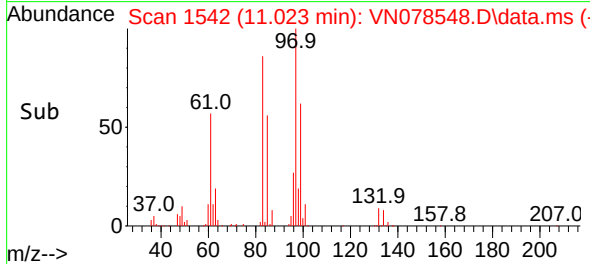
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 97 Resp: 30226
Ion Ratio Lower Upper
97 100
83 86.0 65.1 97.7
85 56.2 43.4 65.2
99 61.5 49.2 73.8

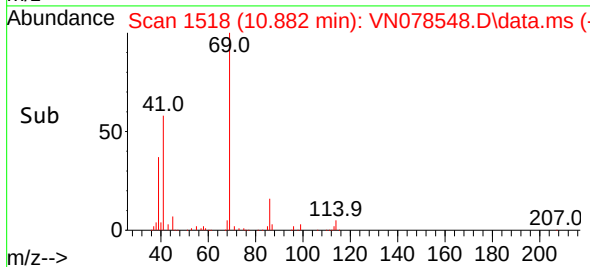
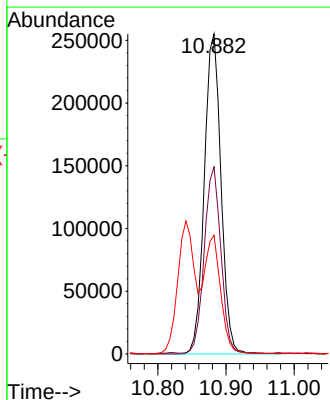
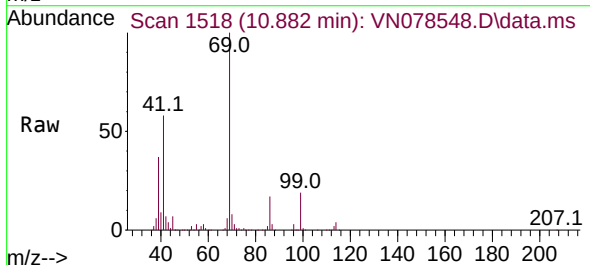
Manual Integrations
APPROVED

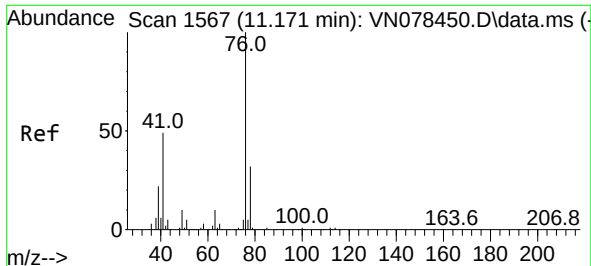
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#56
Ethyl methacrylate
Concen: 54.941 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 69 Resp: 434011
Ion Ratio Lower Upper
69 100
41 58.0 39.6 59.4
39 37.0 28.6 43.0





#57

1,3-Dichloropropane

Concen: 51.440 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.001 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 494264

Ion Ratio Lower Upper

76 100

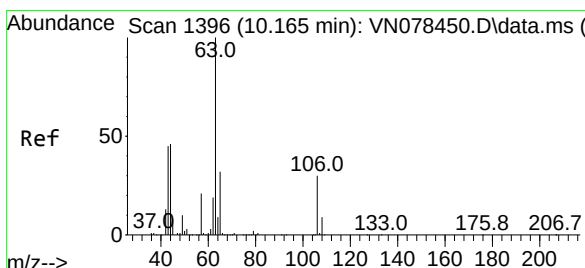
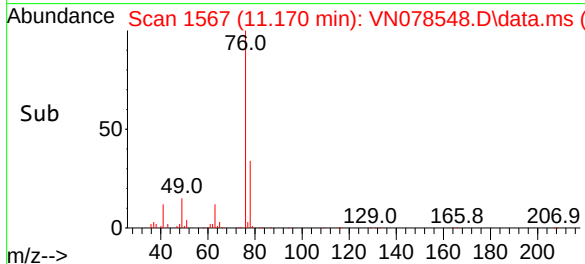
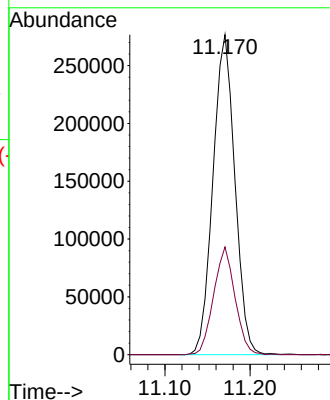
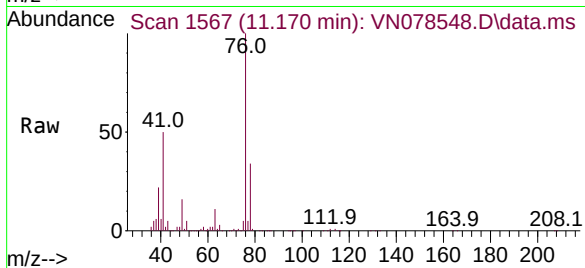
78 32.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 274.267 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078548.D

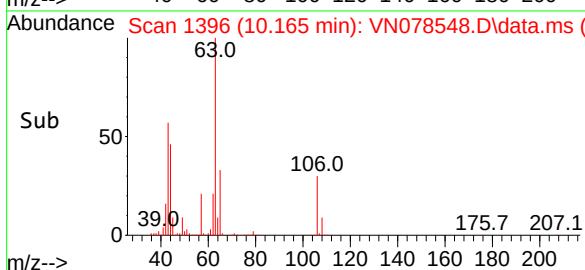
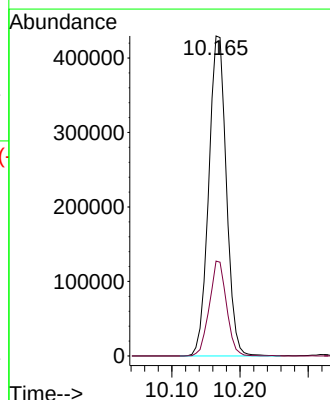
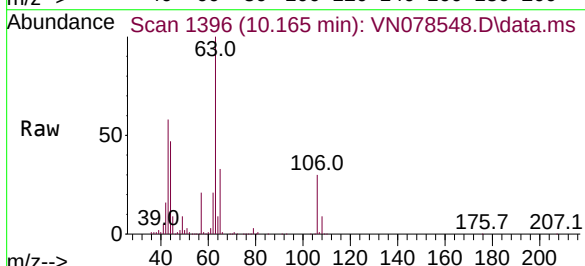
Acq: 17 Jul 2023 17:28

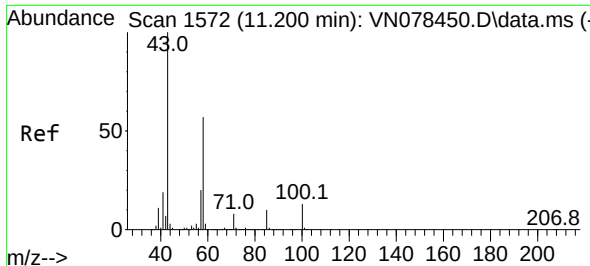
Tgt Ion: 63 Resp: 772114

Ion Ratio Lower Upper

63 100

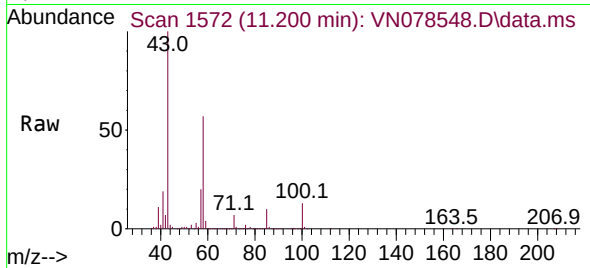
106 28.9 26.2 39.4





#59
2-Hexanone
Concen: 270.892 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

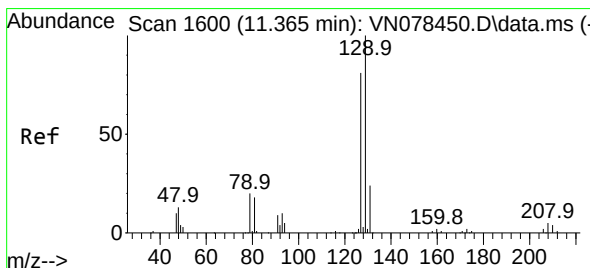
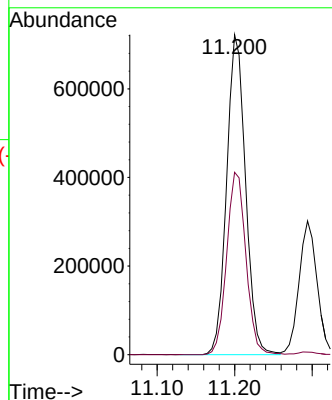
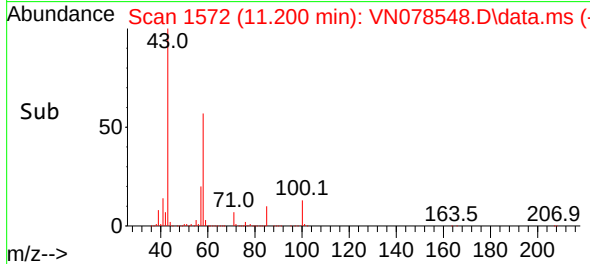
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 122772
Ion Ratio Lower Upper
43 100
58 58.1 31.7 95.1

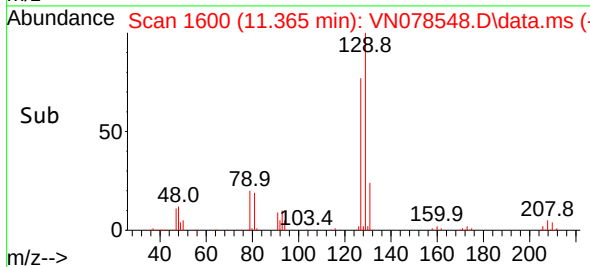
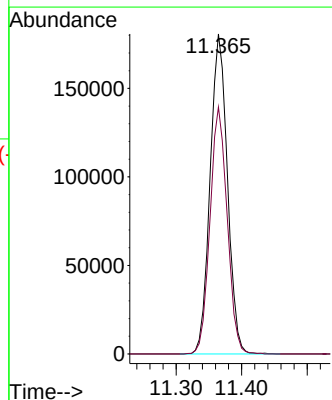
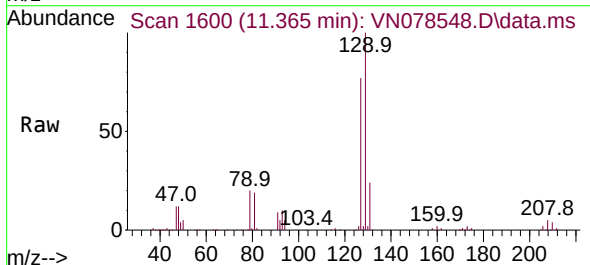
Manual Integrations
APPROVED

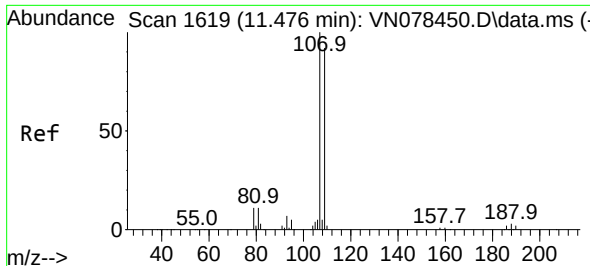
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#60
Dibromochloromethane
Concen: 53.015 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

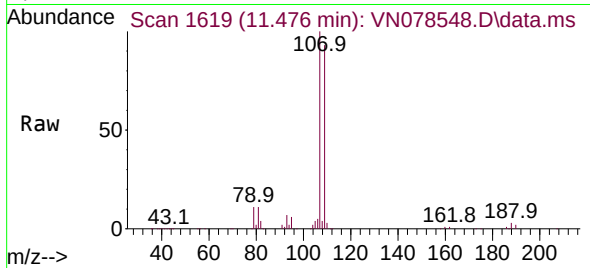
Tgt Ion:129 Resp: 330746
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 51.836 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

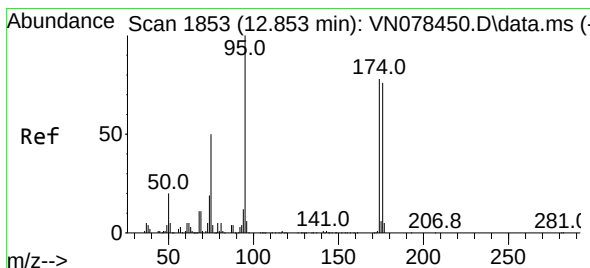
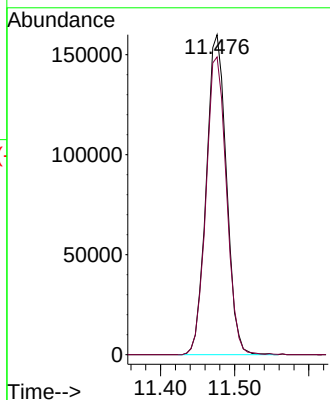
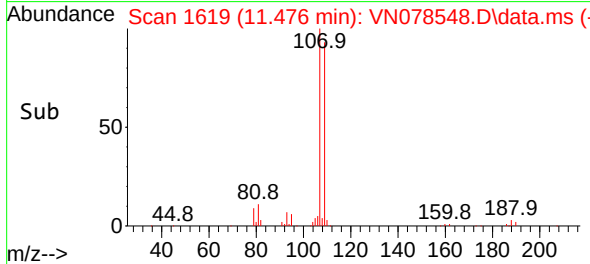
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:107 Resp: 30175
Ion Ratio Lower Upper
107 100
109 94.5 76.6 114.8

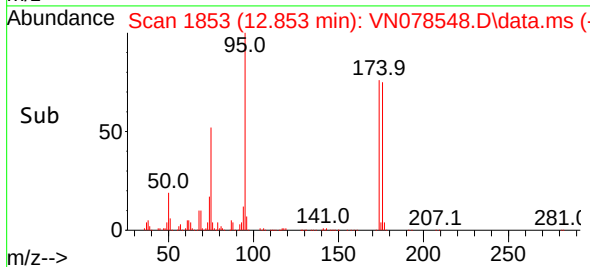
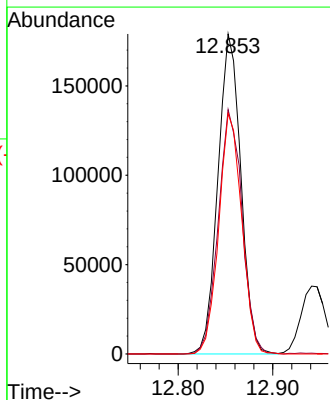
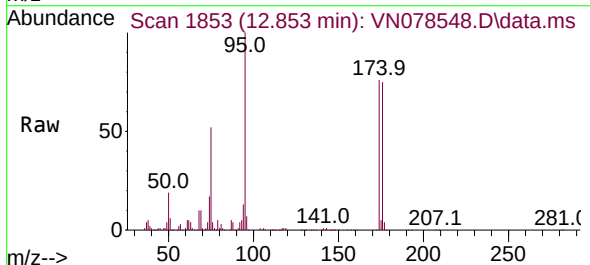
Manual Integrations
APPROVED

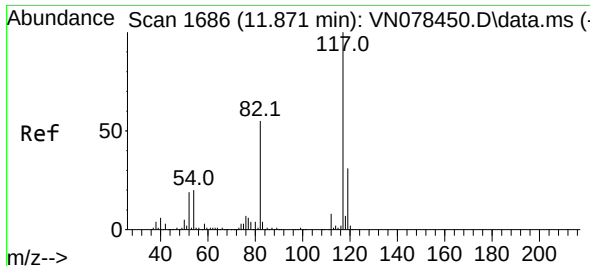
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#62
4-Bromofluorobenzene
Concen: 47.857 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

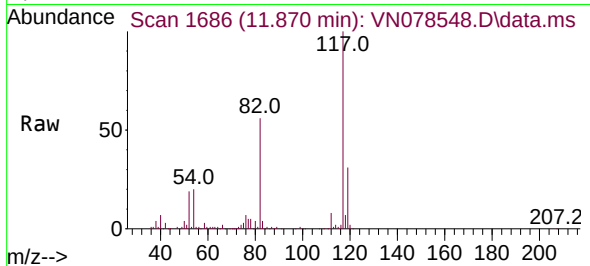
Tgt Ion: 95 Resp: 301265
Ion Ratio Lower Upper
95 100
174 79.5 0.0 143.8
176 75.4 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

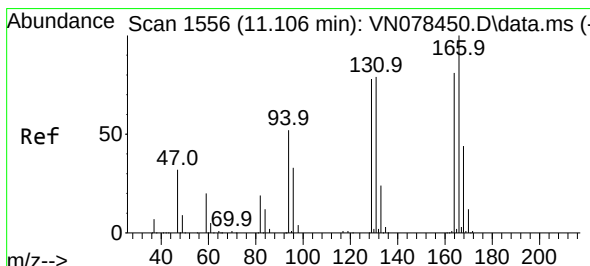
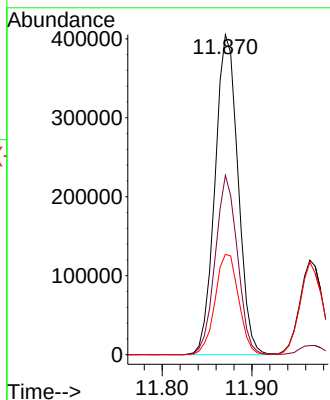
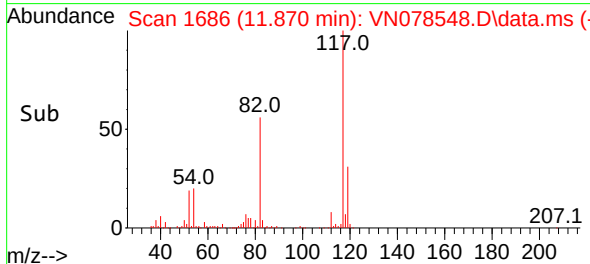
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:117 Resp: 721518
Ion Ratio Lower Upper
117 100
82 56.0 44.0 66.0
119 31.4 25.6 38.4

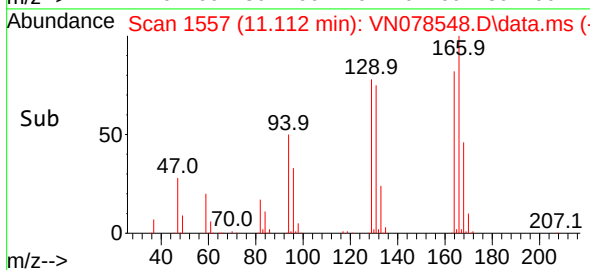
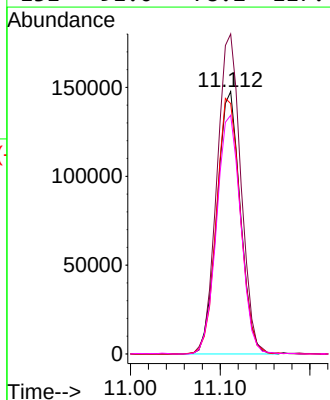
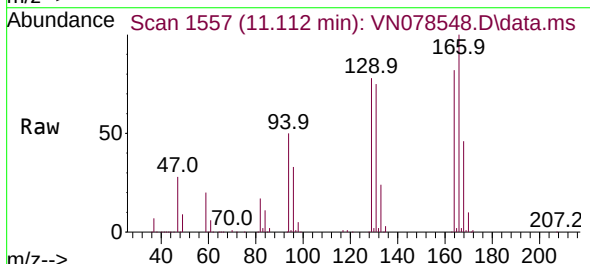
Manual Integrations
APPROVED

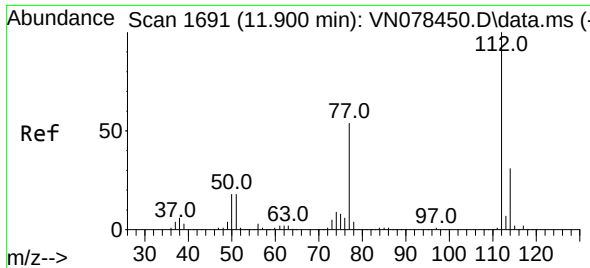
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#64
Tetrachloroethene
Concen: 49.432 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

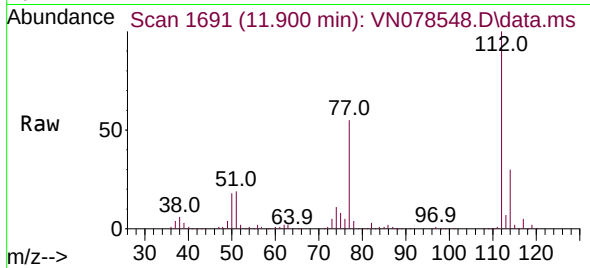
Tgt Ion:164 Resp: 268148
Ion Ratio Lower Upper
164 100
166 121.9 101.4 152.0
129 95.4 82.4 123.6
131 91.0 78.2 117.4





#65
Chlorobenzene
Concen: 49.419 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

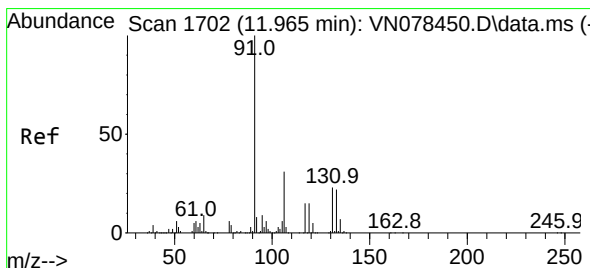
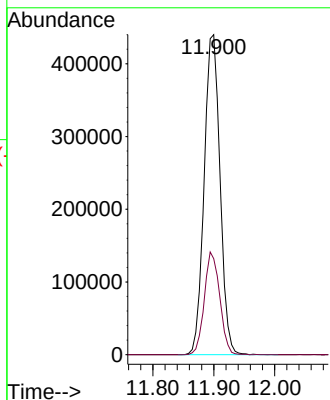
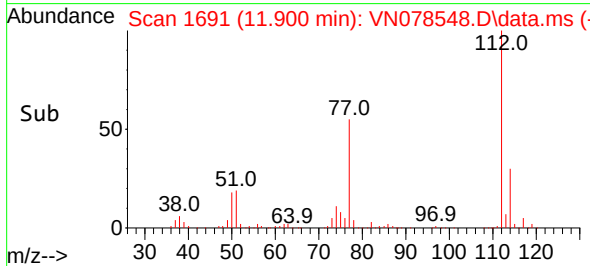
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:112 Resp: 79701
Ion Ratio Lower Upper
112 100
114 30.0 25.0 37.4

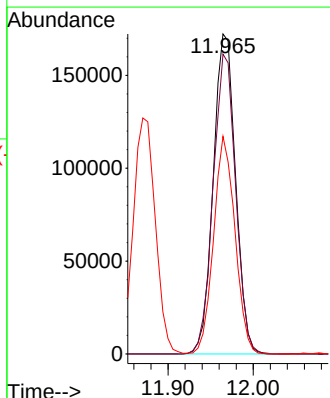
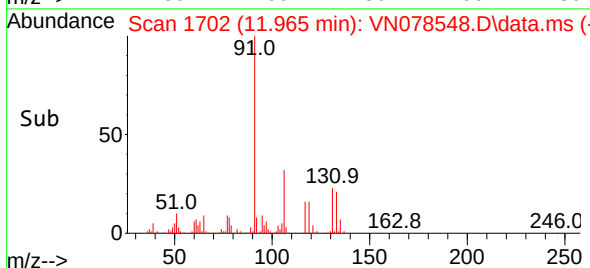
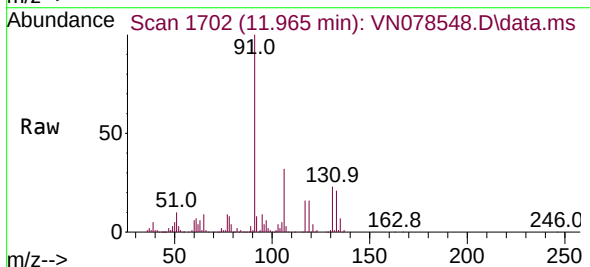
Manual Integrations
APPROVED

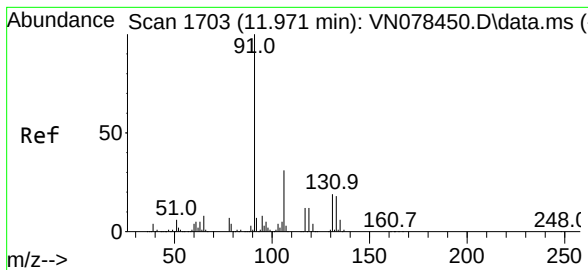
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 50.478 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

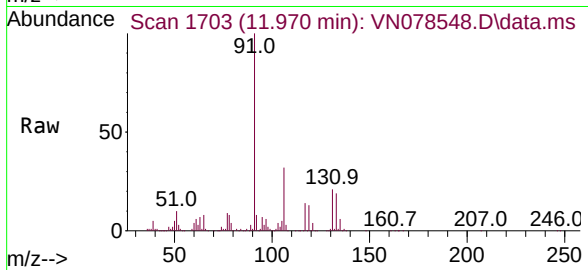
Tgt Ion:131 Resp: 313180
Ion Ratio Lower Upper
131 100
133 94.4 46.4 139.1
119 65.2 34.1 102.2





#67
Ethyl Benzene
Concen: 51.592 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

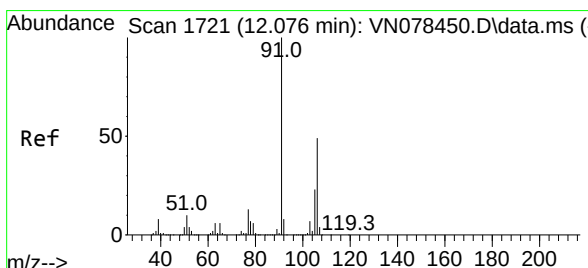
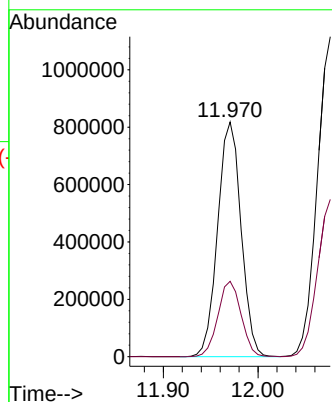
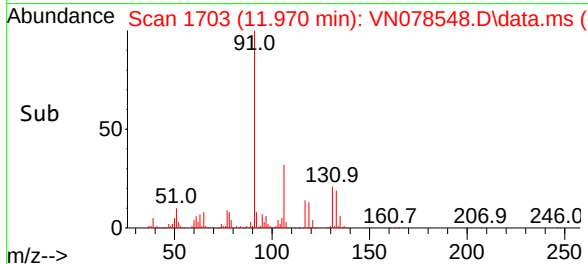
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 91 Resp: 140645
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

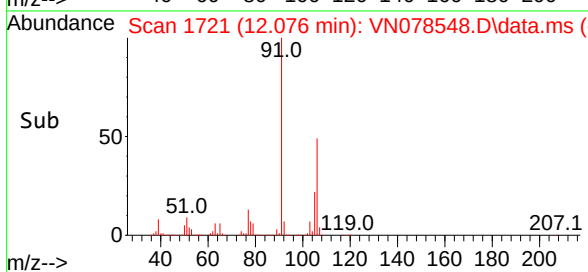
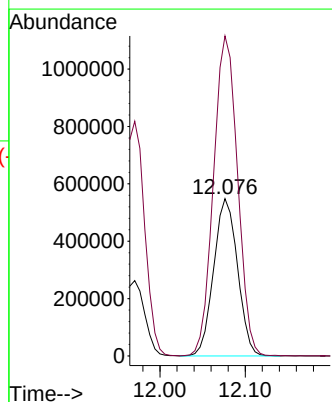
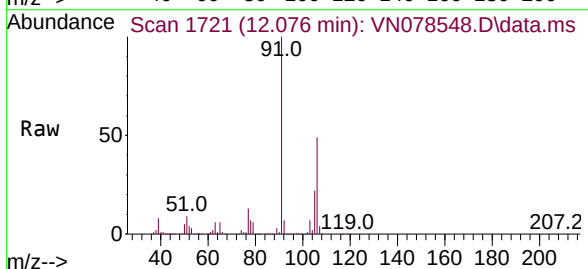
Manual Integrations
APPROVED

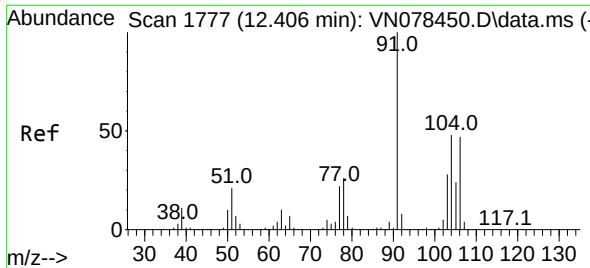
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#68
m/p-Xylenes
Concen: 105.674 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion:106 Resp: 1065109
Ion Ratio Lower Upper
106 100
91 205.7 159.6 239.4





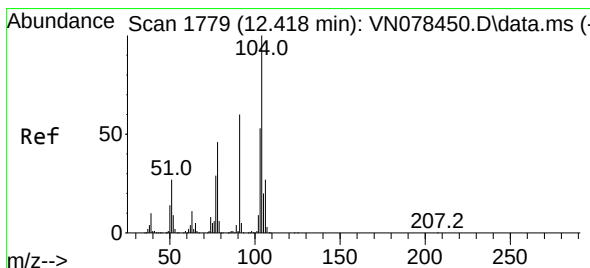
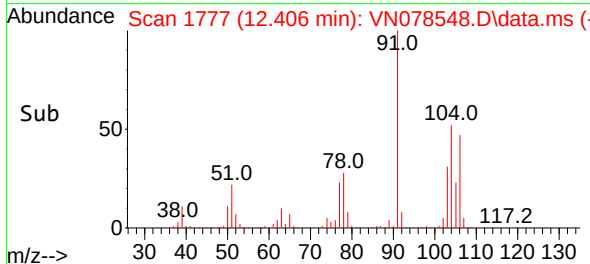
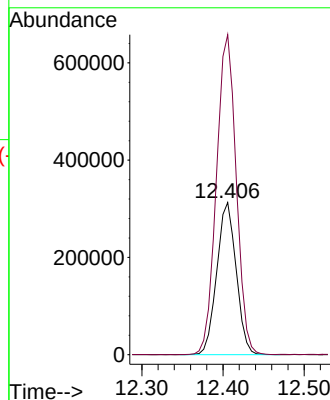
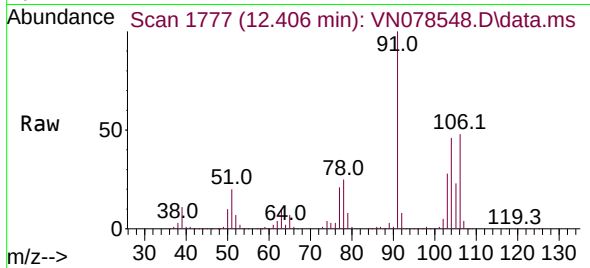
#69
o-Xylene
Concen: 50.991 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 519114
Ion Ratio Lower Upper
106 100
91 215.0 105.2 315.5

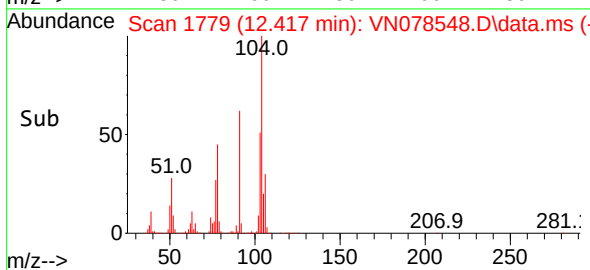
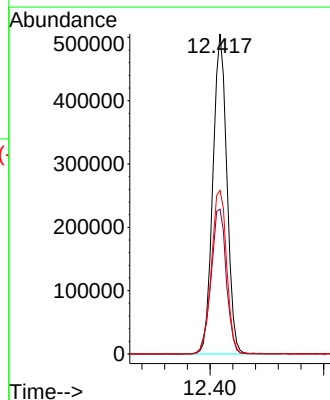
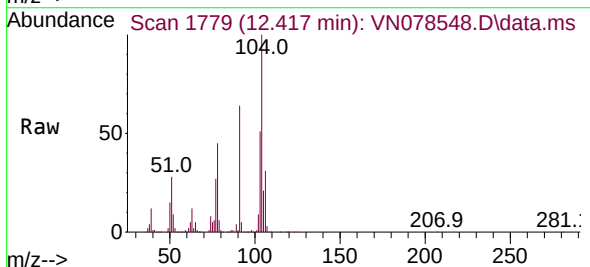
Manual Integrations
APPROVED

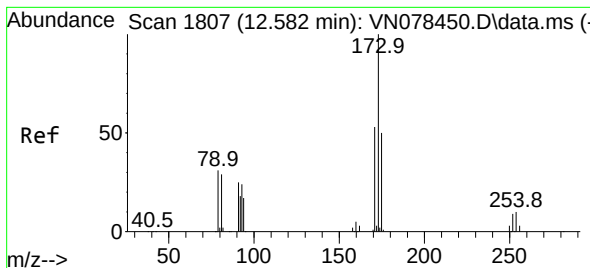
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#70
Styrene
Concen: 54.091 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion:104 Resp: 861511
Ion Ratio Lower Upper
104 100
78 49.2 39.5 59.3
103 55.7 43.2 64.8





#71

Bromoform

Concen: 52.585 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 220958

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

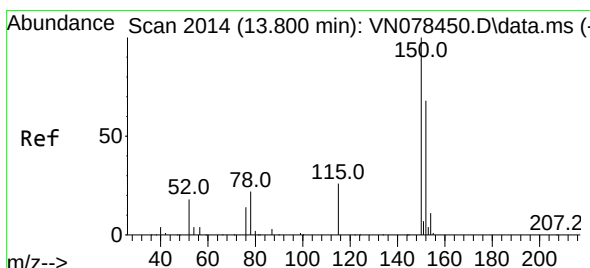
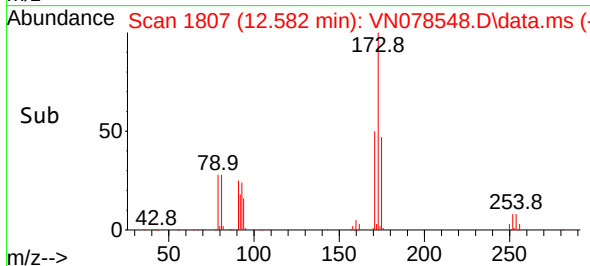
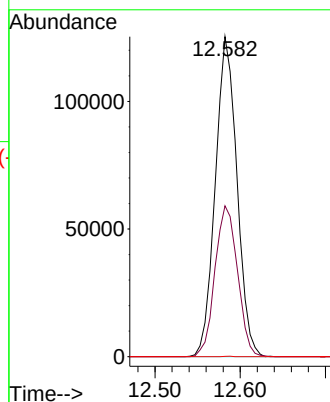
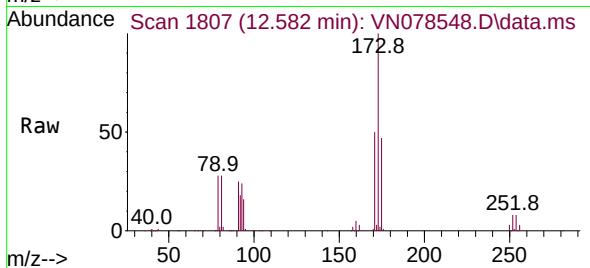
254 0.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

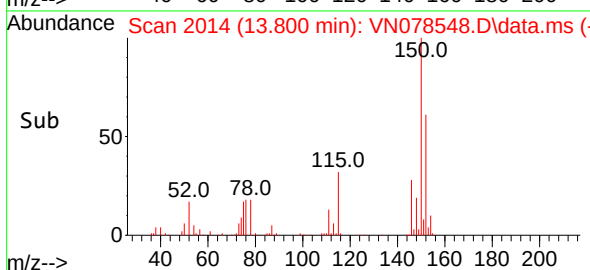
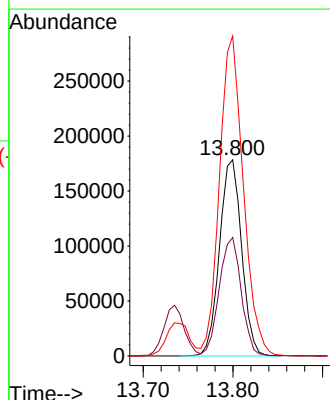
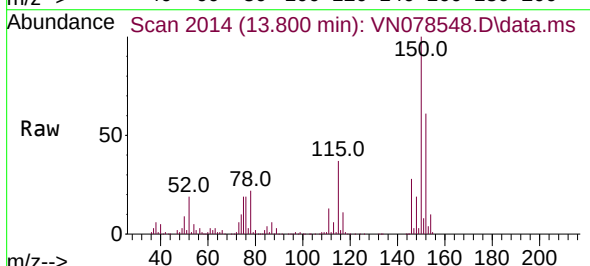
Tgt Ion:152 Resp: 305414

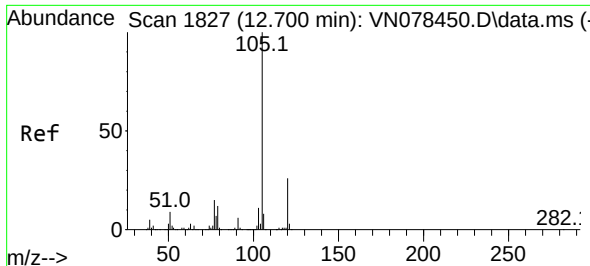
Ion Ratio Lower Upper

152 100

115 59.7 32.3 96.8

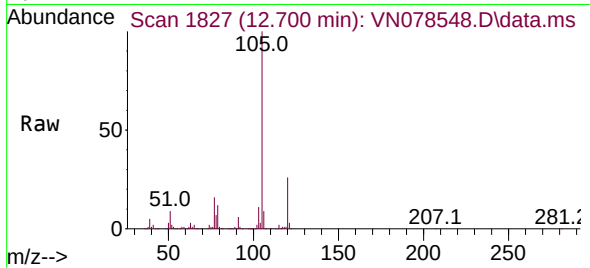
150 175.5 0.0 355.8





#73
Isopropylbenzene
Concen: 46.016 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

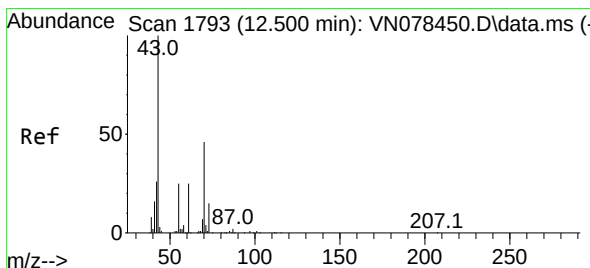
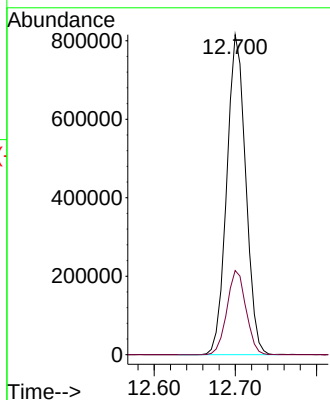
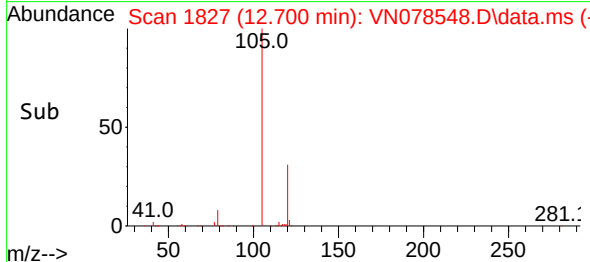
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:105 Resp: 132056
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1

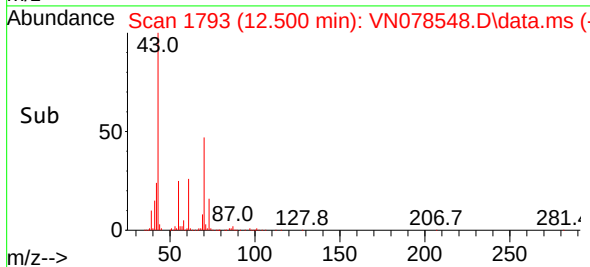
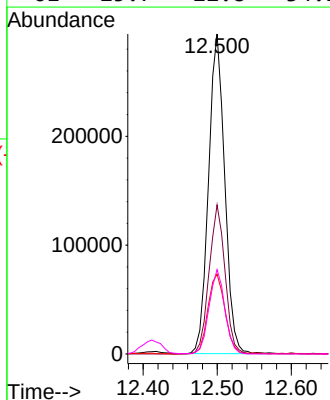
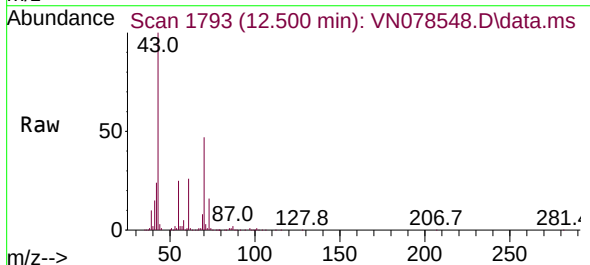
Manual Integrations
APPROVED

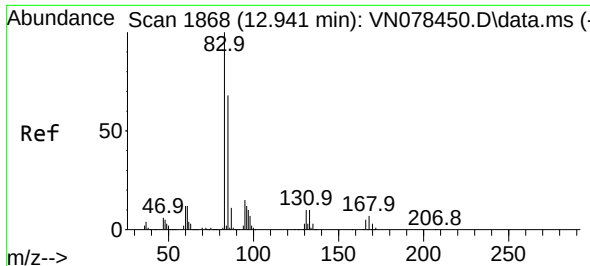
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#74
N-ethyl acetate
Concen: 45.128 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

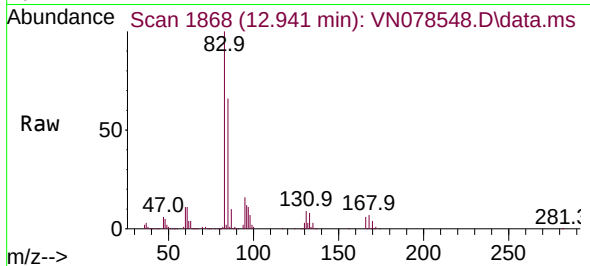
Tgt Ion: 43 Resp: 446314
Ion Ratio Lower Upper
43 100
70 45.9 43.4 65.2
55 26.3 21.4 32.0
61 25.7 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.780 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

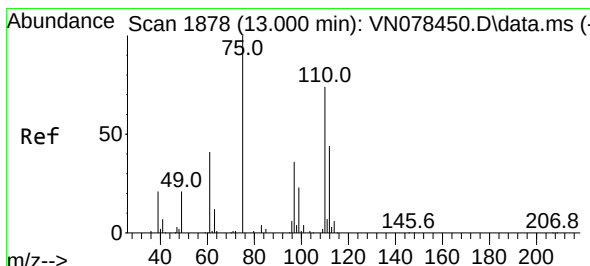
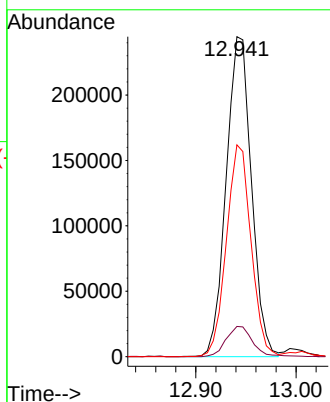
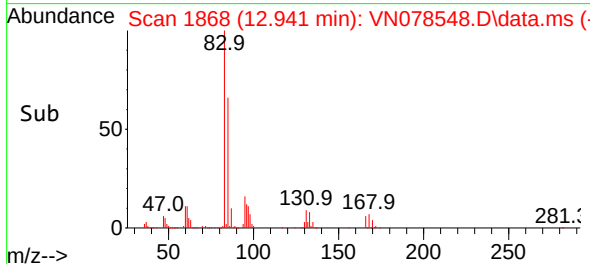
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



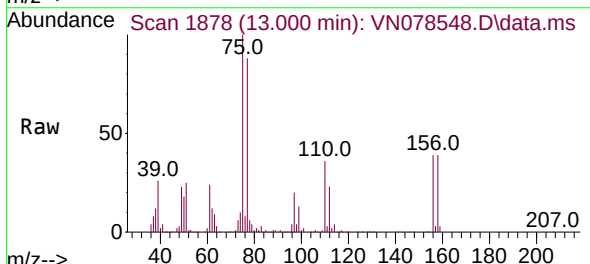
Tgt Ion: 83 Resp: 42919
Ion Ratio Lower Upper
83 100
131 9.9 5.0 15.0
85 64.4 31.9 95.7

Manual Integrations
APPROVED

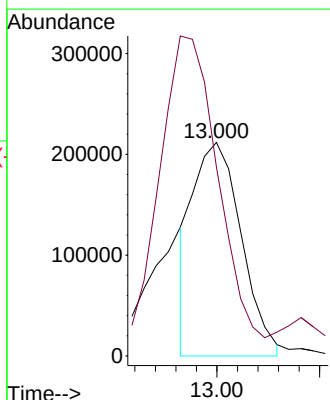
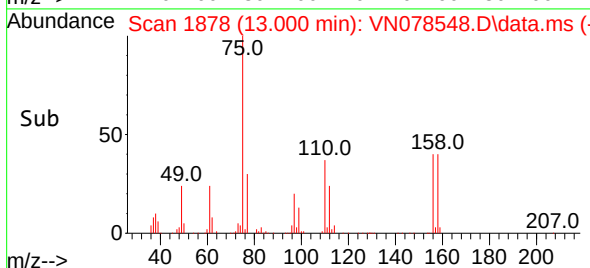
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

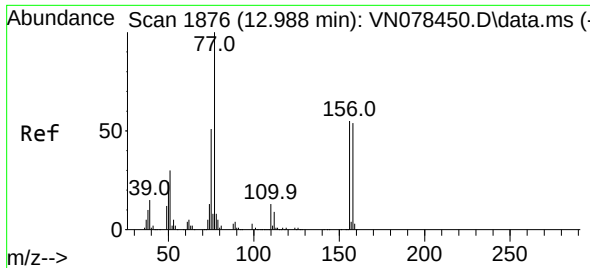


#76
1,2,3-Trichloropropane
Concen: 46.902 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



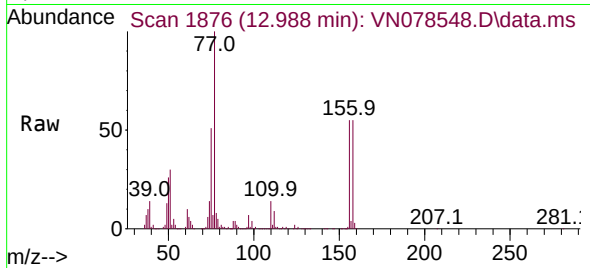
Tgt Ion: 75 Resp: 346244
Ion Ratio Lower Upper
75 100
77 186.9 84.5 253.5





#77
Bromobenzene
Concen: 49.412 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

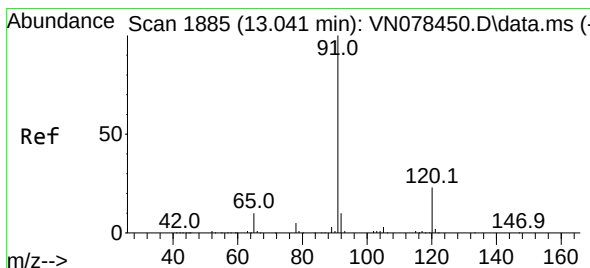
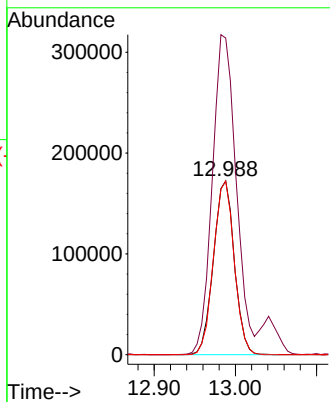
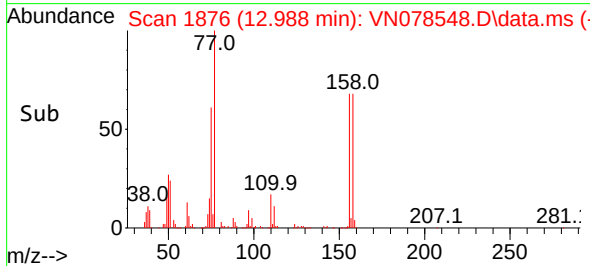
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



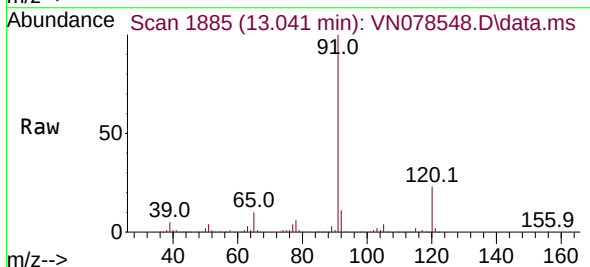
Tgt Ion:156 Resp: 308489
Ion Ratio Lower Upper
156 100
77 209.8 107.7 323.3
158 99.0 48.4 145.3

Manual Integrations
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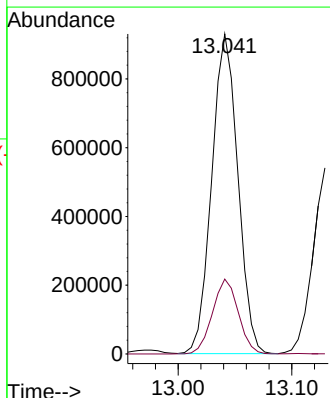
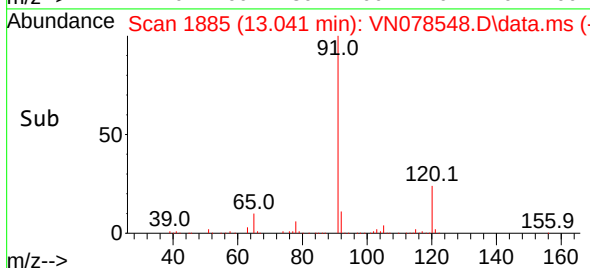
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

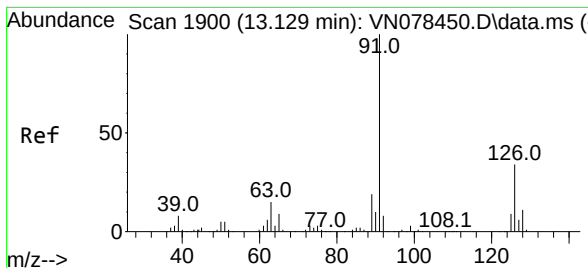


#78
n-propylbenzene
Concen: 48.389 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



Tgt Ion: 91 Resp: 1485096
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4





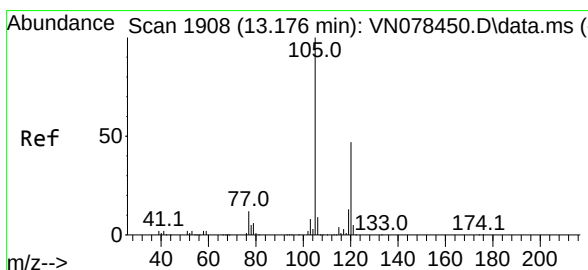
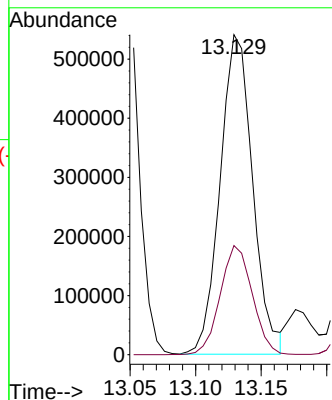
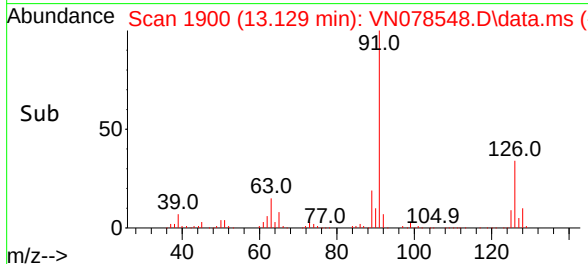
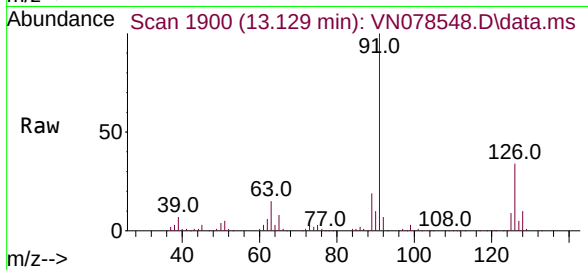
#79
2-Chlorotoluene
Concen: 46.482 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 934428
Ion Ratio Lower Upper
91 100
126 33.6 16.3 48.8

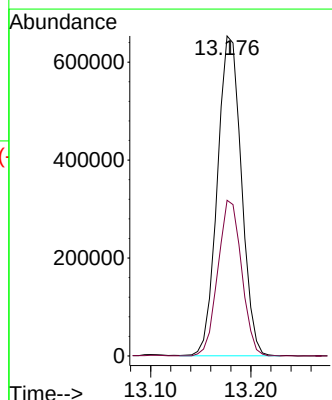
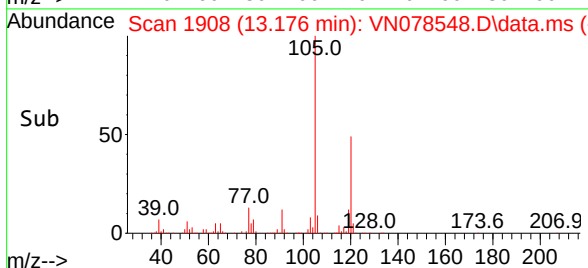
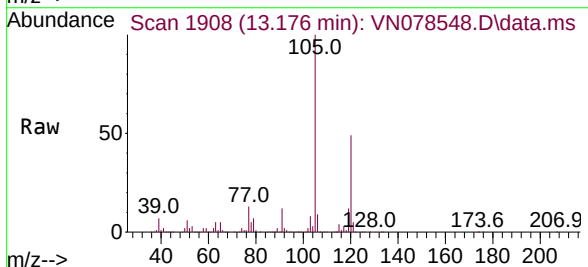
Manual Integrations
APPROVED

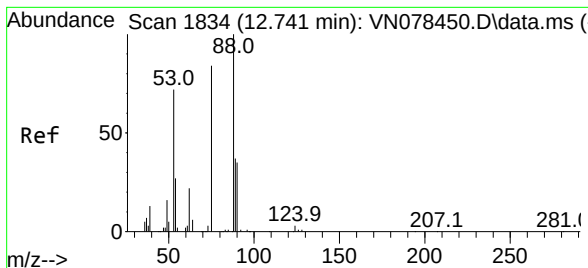
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 47.849 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

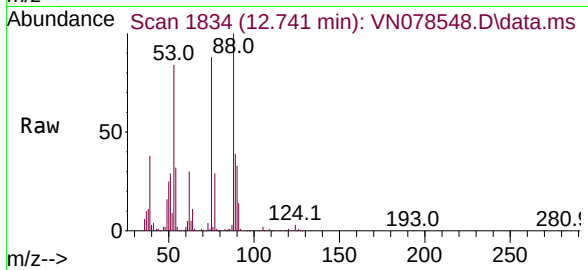
Tgt Ion:105 Resp: 1084979
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 51.582 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

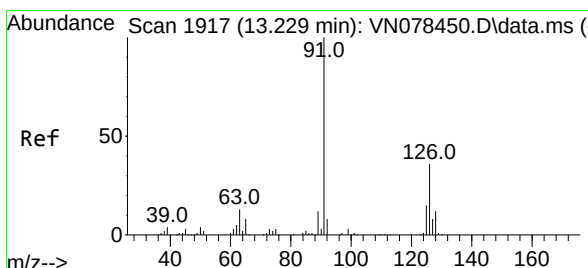
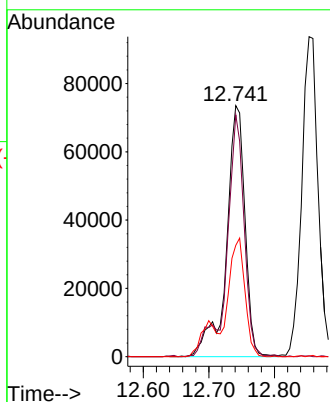
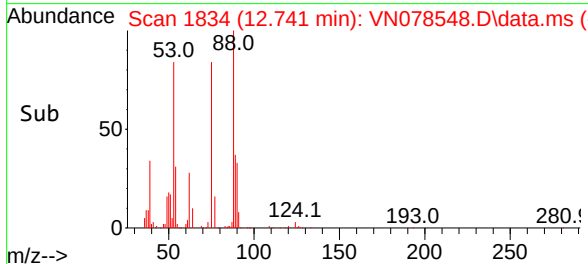
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 144908
Ion Ratio Lower Upper
75 100
53 77.2 67.4 101.2
89 40.4 38.8 58.2

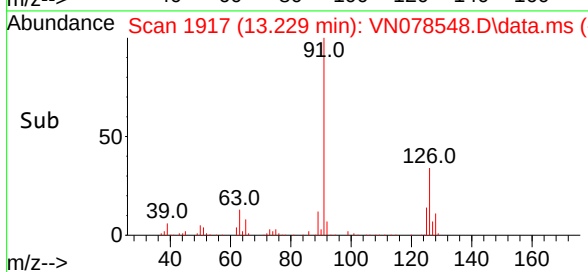
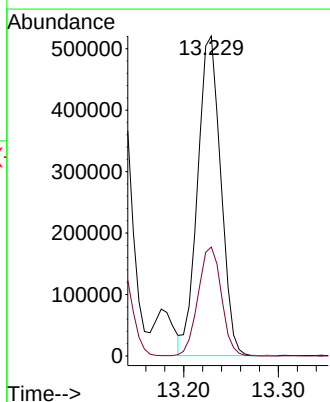
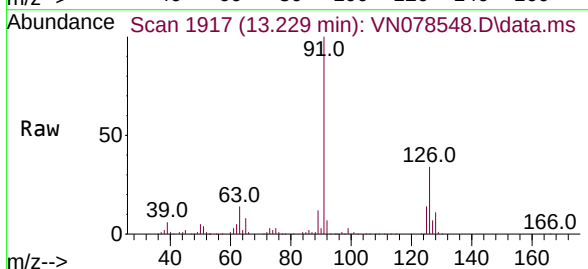
Manual Integrations
APPROVED

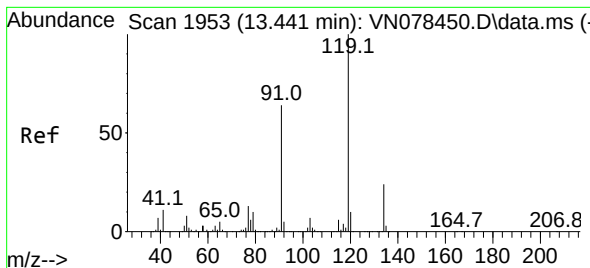
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#82
4-Chlorotoluene
Concen: 46.990 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion: 91 Resp: 881230
Ion Ratio Lower Upper
91 100
126 34.3 16.7 50.0





#83

tert-Butylbenzene

Concen: 46.557 ug/l

RT: 13.447 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VN078548.D

Acq: 17 Jul 2023 17:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 89627

Ion Ratio Lower Upper

119 100

91 65.1 33.9 101.7

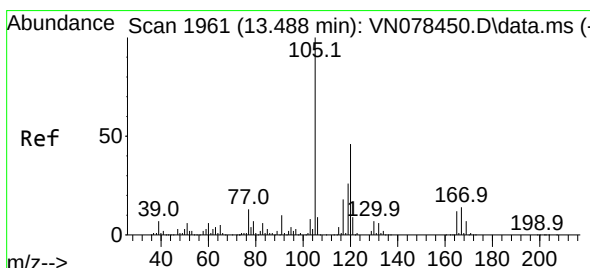
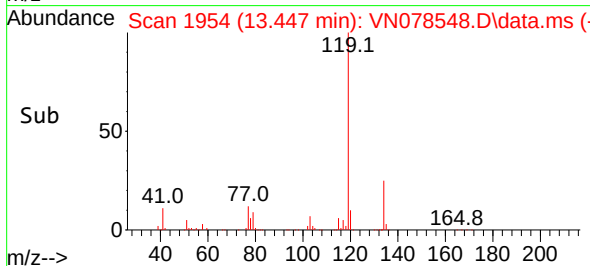
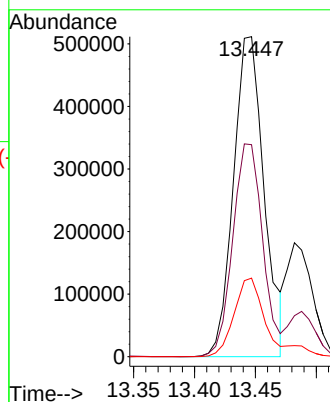
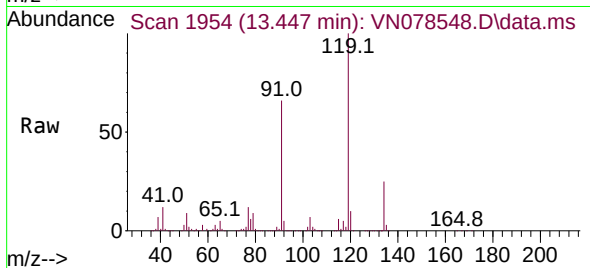
134 26.1 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/18/2023

Supervised By :Mahesh Dadoda 07/18/2023



#84

1,2,4-Trimethylbenzene

Concen: 49.313 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VN078548.D

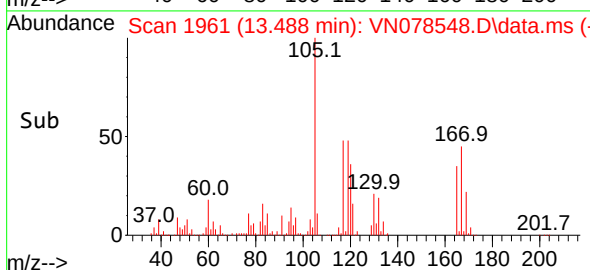
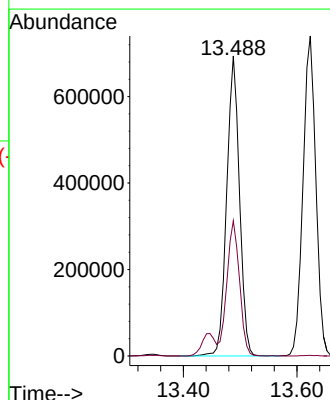
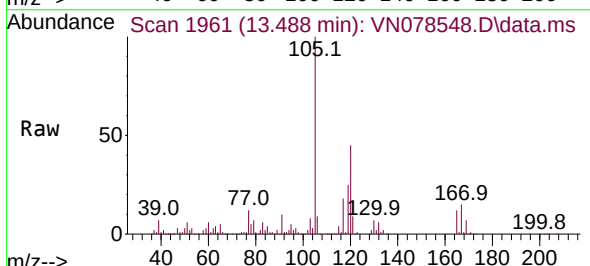
Acq: 17 Jul 2023 17:28

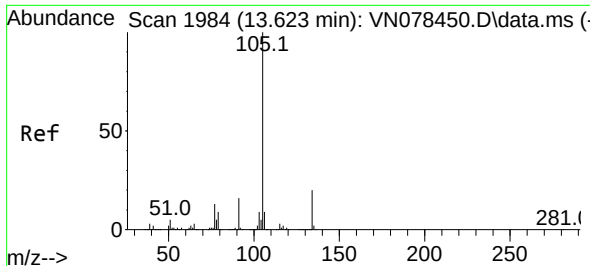
Tgt Ion:105 Resp: 1086121

Ion Ratio Lower Upper

105 100

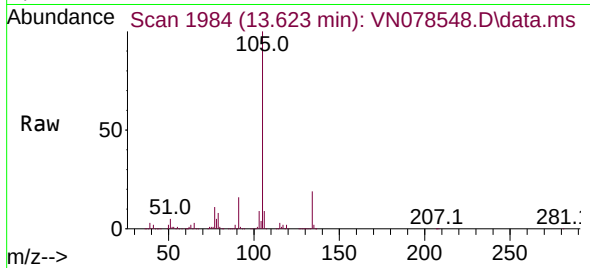
120 44.7 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 47.704 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28

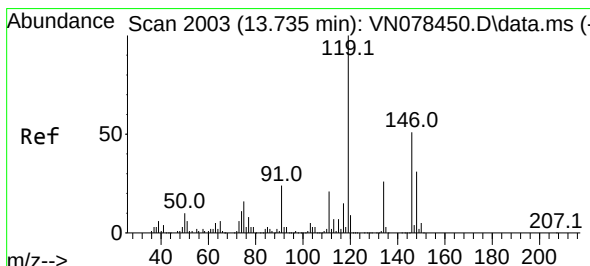
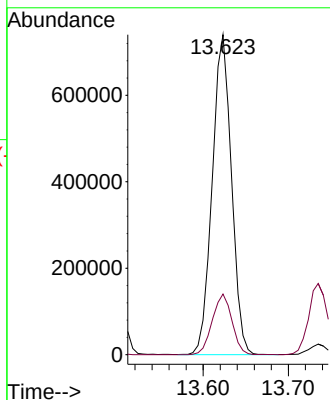
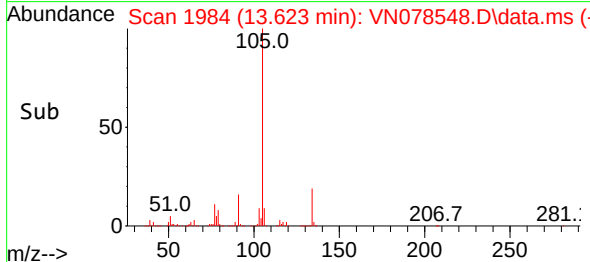
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC



Tgt Ion:105 Resp: 1160804
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.3

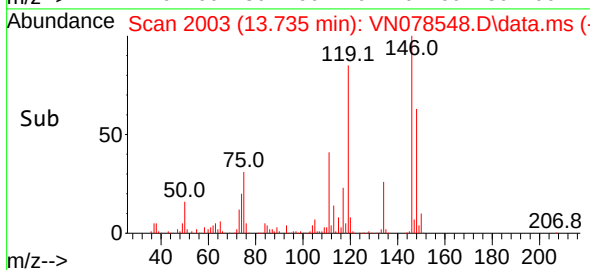
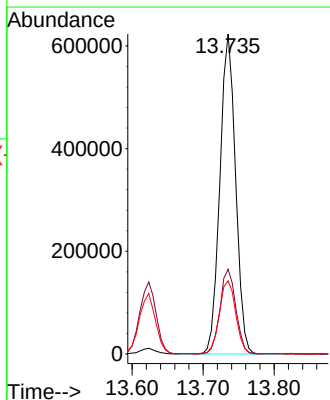
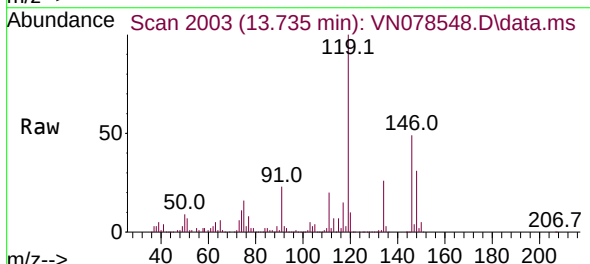
Manual Integrations
 APPROVED

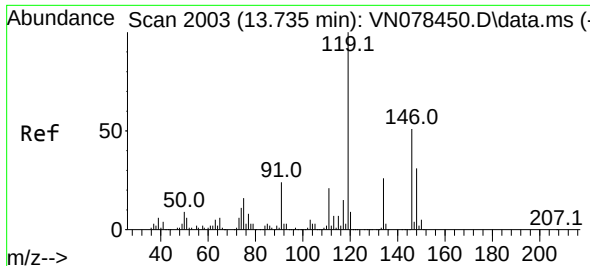
Reviewed By :John Carlone 07/18/2023
 Supervised By :Mahesh Dadoda 07/18/2023



#86
 p-Isopropyltoluene
 Concen: 48.738 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078548.D
 Acq: 17 Jul 2023 17:28

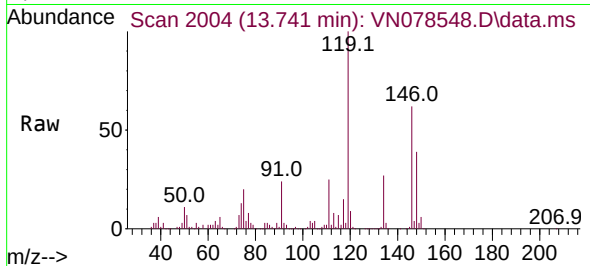
Tgt Ion:119 Resp: 952296
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.6 37.8
 91 23.8 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 48.741 ug/l
RT: 13.741 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

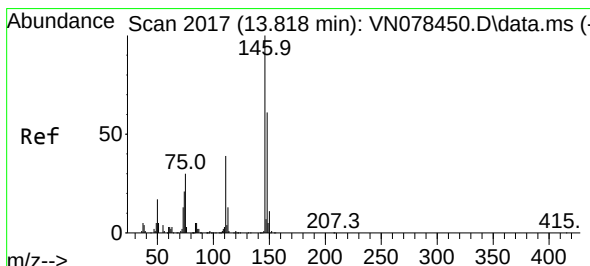
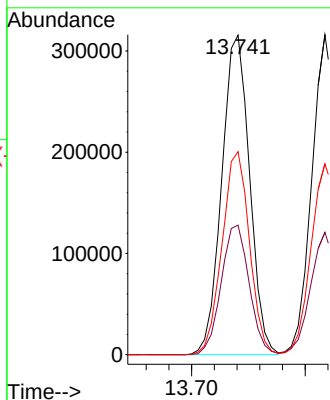
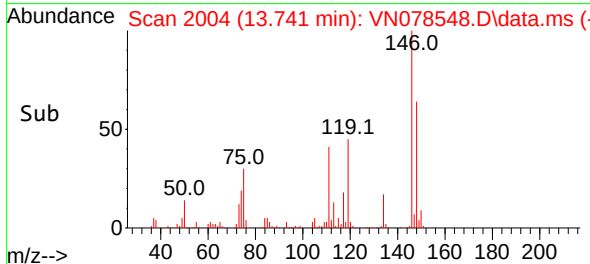
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 53698
Ion Ratio Lower Upper
146 100
111 40.8 22.1 66.3
148 62.6 32.0 96.0

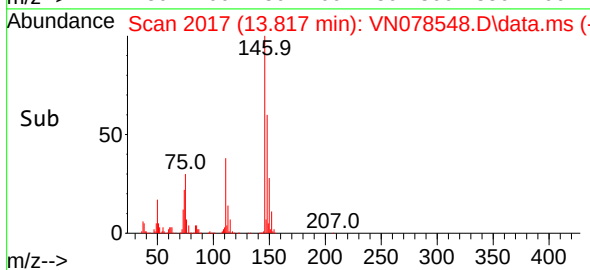
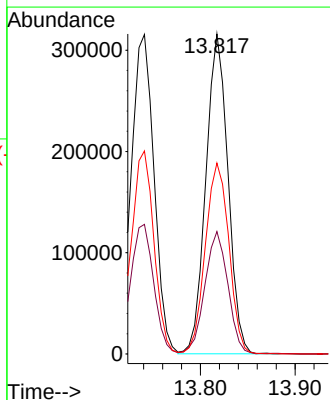
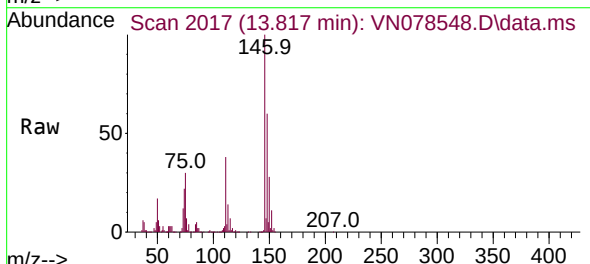
Manual Integrations
APPROVED

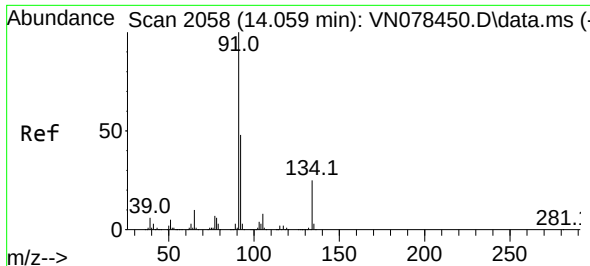
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#88
1,4-Dichlorobenzene
Concen: 46.118 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Tgt Ion:146 Resp: 511764
Ion Ratio Lower Upper
146 100
111 39.7 20.6 61.8
148 63.8 31.6 94.8





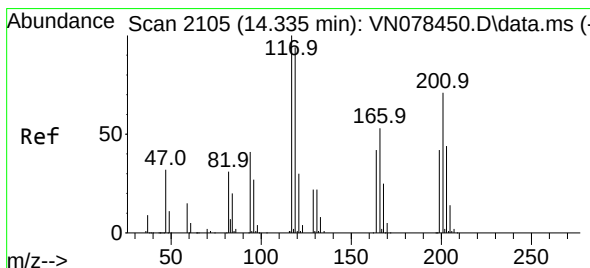
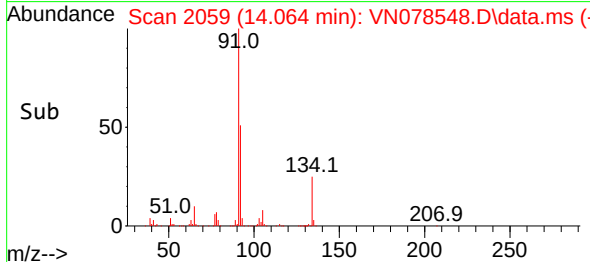
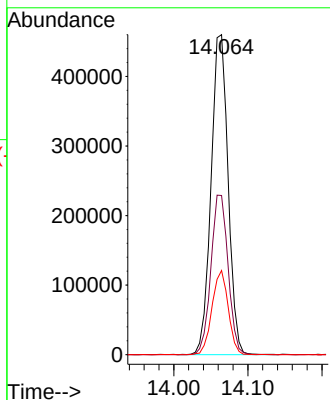
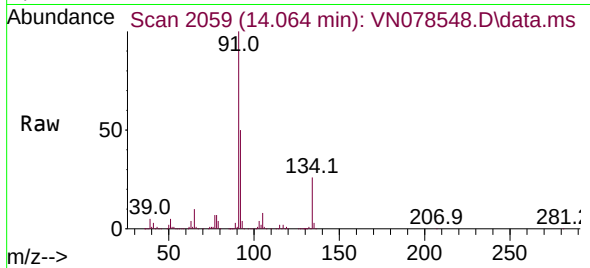
#89
n-Butylbenzene
Concen: 52.438 ug/l
RT: 14.064 min Scan# 2058
Delta R.T. 0.005 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 73310
Ion Ratio Lower Upper
91 100
92 50.4 26.4 79.0
134 25.1 12.6 37.6

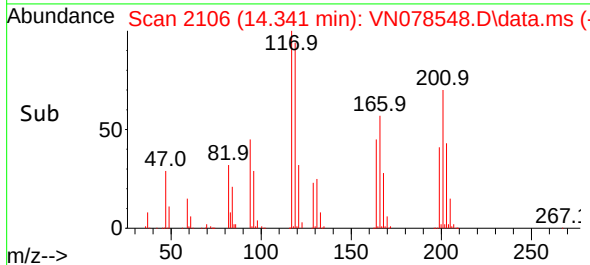
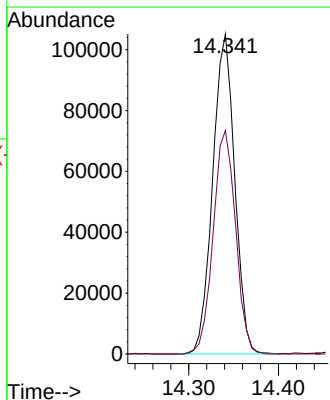
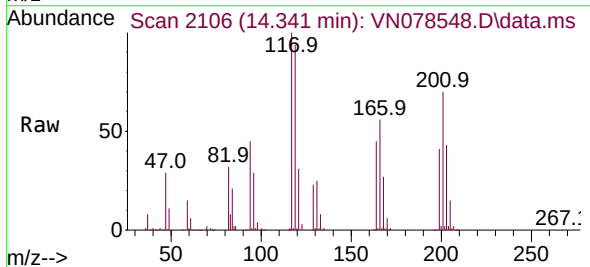
Manual Integrations
APPROVED

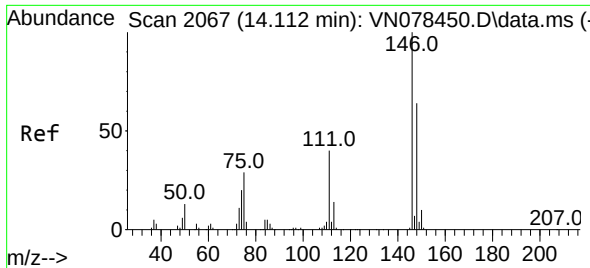
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#90
Hexachloroethane
Concen: 49.904 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

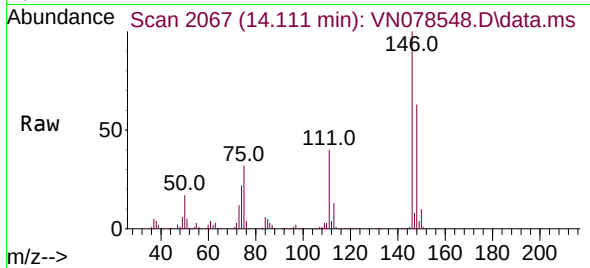
Tgt Ion:117 Resp: 179223
Ion Ratio Lower Upper
117 100
201 71.0 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 47.357 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

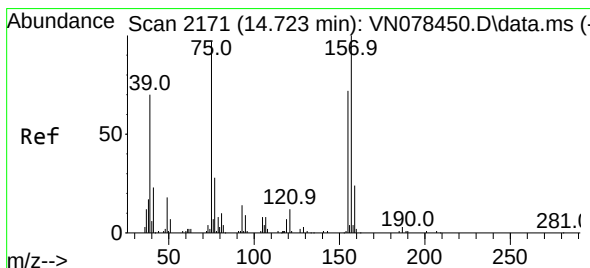
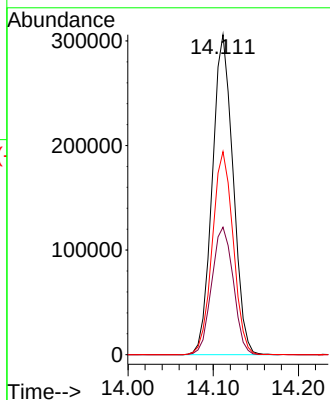
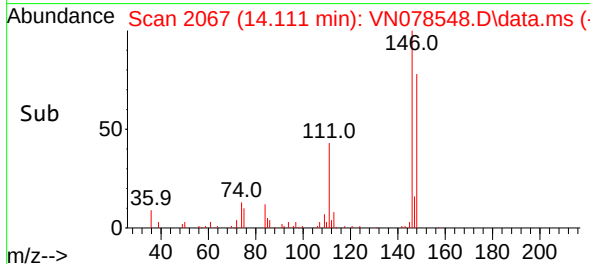
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



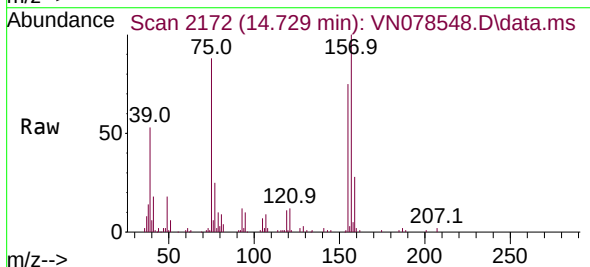
Tgt Ion:146 Resp: 519218
Ion Ratio Lower Upper
146 100
111 41.2 22.0 66.0
148 63.8 31.8 95.3

Manual Integrations
APPROVED

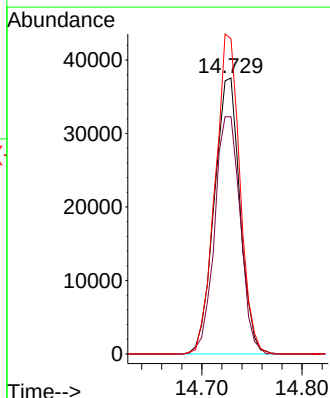
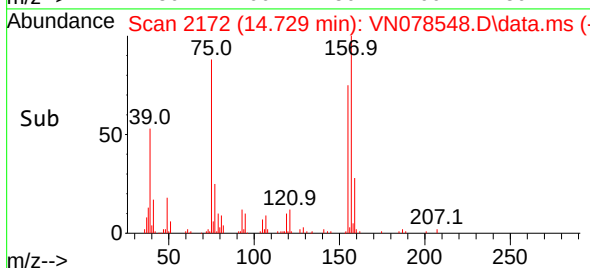
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023

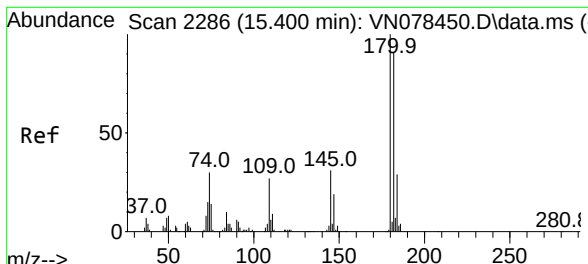


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.530 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



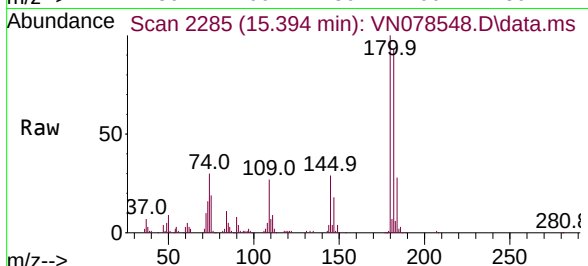
Tgt Ion: 75 Resp: 66752
Ion Ratio Lower Upper
75 100
155 86.0 39.1 117.2
157 111.4 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 48.185 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

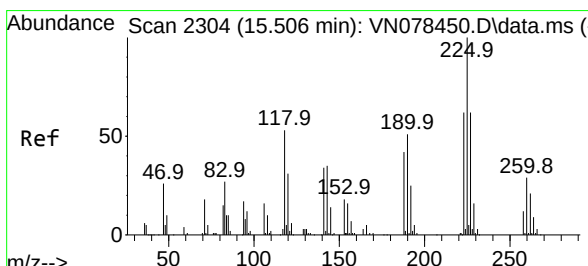
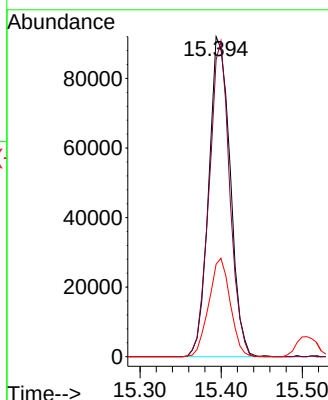
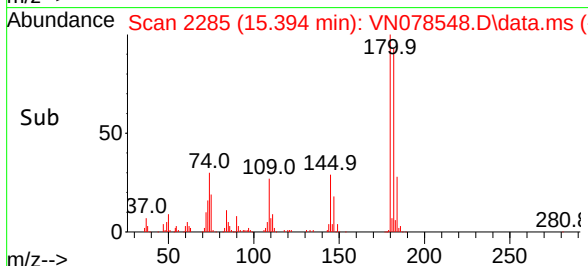
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:180 Resp: 168600
Ion Ratio Lower Upper
180 100
182 94.8 46.1 138.2
145 30.7 16.6 49.8

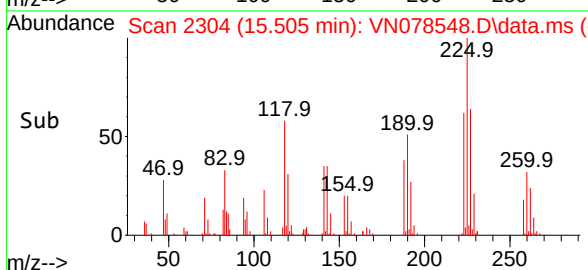
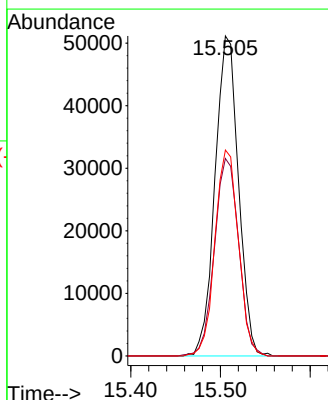
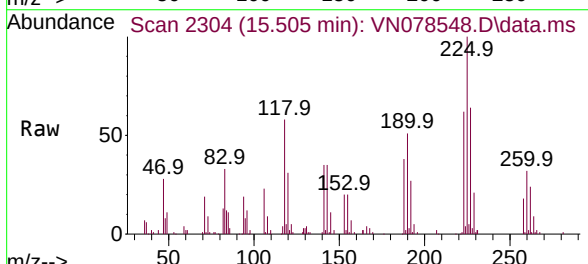
Manual Integrations
APPROVED

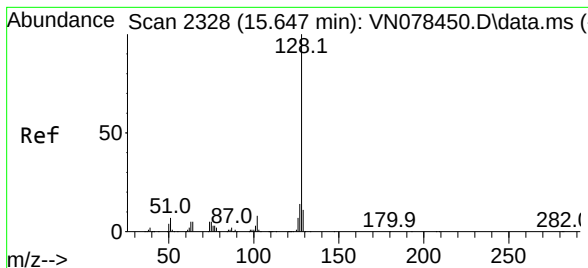
Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#94
Hexachlorobutadiene
Concen: 51.288 ug/l
RT: 15.505 min Scan# 2304
Delta R.T. -0.001 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

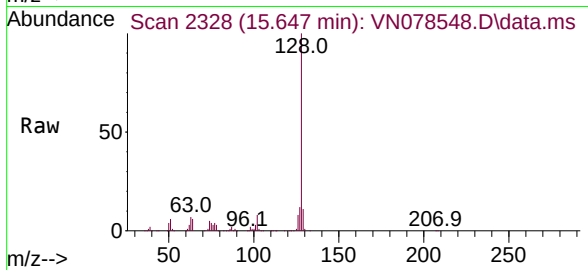
Tgt Ion:225 Resp: 92647
Ion Ratio Lower Upper
225 100
223 63.9 31.3 93.8
227 64.4 31.9 95.9





#95
Naphthalene
Concen: 42.077 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28

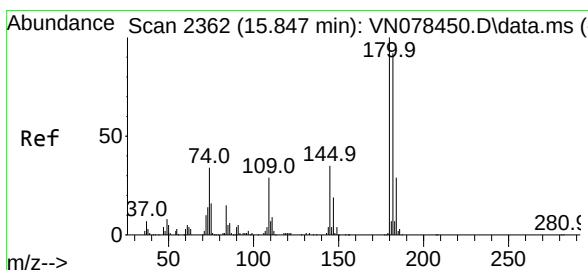
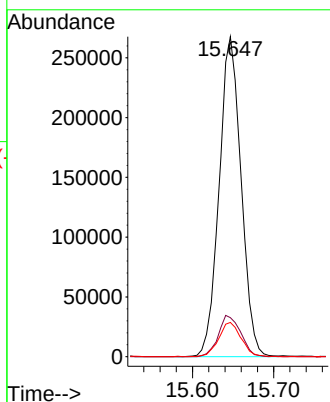
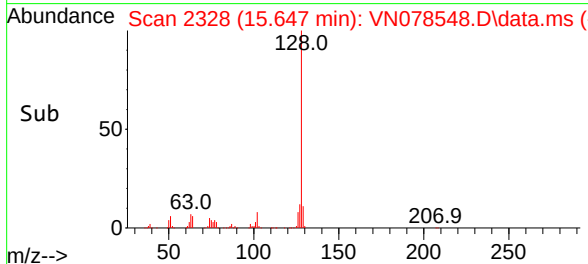
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



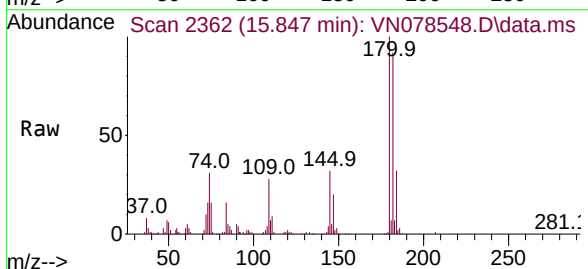
Tgt Ion:128 Resp: 503349
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/18/2023
Supervised By :Mahesh Dadoda 07/18/2023



#96
1,2,3-Trichlorobenzene
Concen: 45.283 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078548.D
Acq: 17 Jul 2023 17:28



Tgt Ion:180 Resp: 182195
Ion Ratio Lower Upper
180 100
182 94.7 46.2 138.6
145 34.1 17.5 52.6

