

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066959.D
 Acq On : 5 May 2021 1:32
 Operator : JC/MD
 Sample : PB136139ZHE#16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:48:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

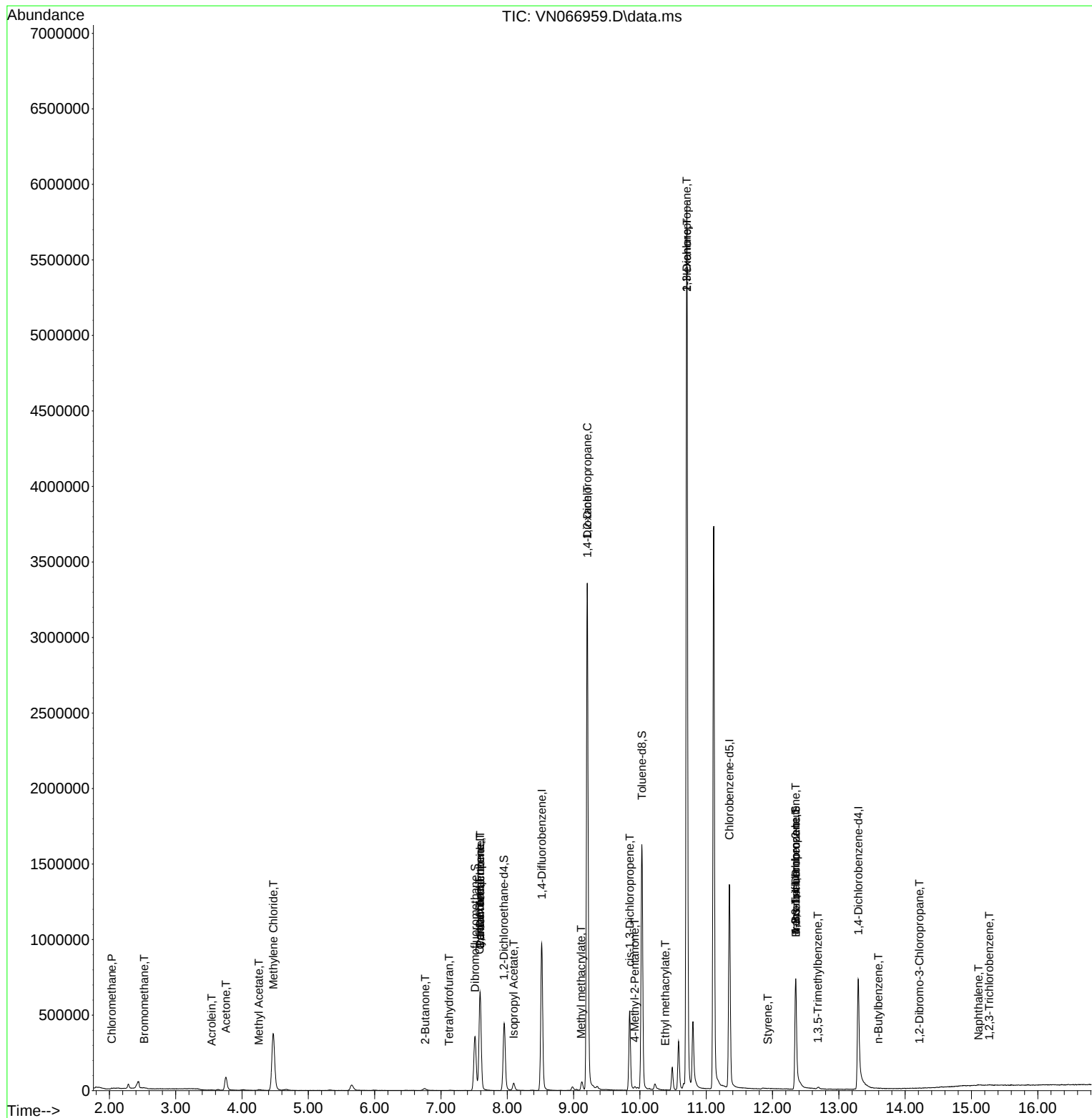
Internal Standards						
1) Pentafluorobenzene	7.589	168	490277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	828884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	780578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	262523	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	399987	51.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.66%			
35) Dibromofluoromethane	7.514	113	284233	50.50	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.00%			
50) Toluene-d8	10.030	98	1108592	51.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.44%			
62) 4-Bromofluorobenzene	12.350	95	330592	45.55	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.10%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2337	0.25	ug/l	97
5) Bromomethane	2.526	94	1022	0.21	ug/l	94
13) Acrolein	3.540	56	613	0.68	ug/l #	32
16) Acetone	3.757	43	143435	52.84	ug/l	98
18) Methyl Acetate	4.256	43	9744	1.25	ug/l #	82
20) Methylene Chloride	4.473	84	279055	40.52	ug/l	90
25) 2-Butanone	6.763	43	10904	2.72	ug/l	94
29) Tetrahydrofuran	7.123	42	581	0.22	ug/l #	43
31) Cyclohexane	7.584	56	6505	0.60	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	43982	5.09	ug/l #	49
38) Carbon Tetrachloride	7.592	117	50705	5.63	ug/l #	18
43) Isopropyl Acetate	8.096	43	60092	4.21	ug/l #	87
45) 1,2-Dichloropropane	9.207	63	4393	0.58	ug/l #	44
48) Methyl methacrylate	9.116	41	14190	2.24	ug/l #	10
49) 1,4-Dioxane	9.209	88	460	4.58	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	14076	1.70	ug/l #	85
54) cis-1,3-Dichloropropene	9.845	75	93458	8.22	ug/l #	66
56) Ethyl methacrylate	10.384	69	216	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	59771	5.34	ug/l #	43
59) 2-Hexanone	10.709	43	861123	154.91	ug/l #	50
70) Styrene	11.929	104	87	4.72	ug/l #	55
71) Bromoform	12.353	173	2163	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	174037	27.83	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.683	105	8476	0.48	ug/l #	60
81) trans-1,4-Dichloro-2-b...	12.350	75	174037	83.12	ug/l #	12
89) n-Butylbenzene	13.597	91	194	5.25	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.214	75	309	0.24	ug/l #	1
95) Naphthalene	15.104	128	2537	0.22	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.268	180	1002	0.23	ug/l	64

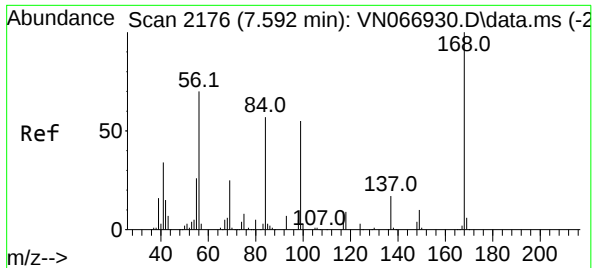
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
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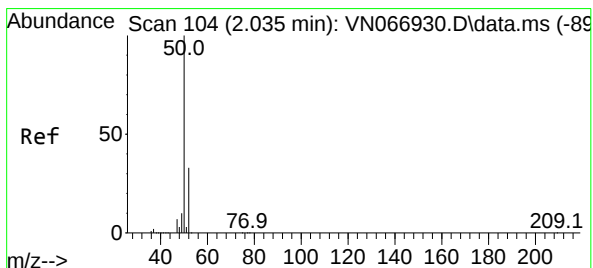
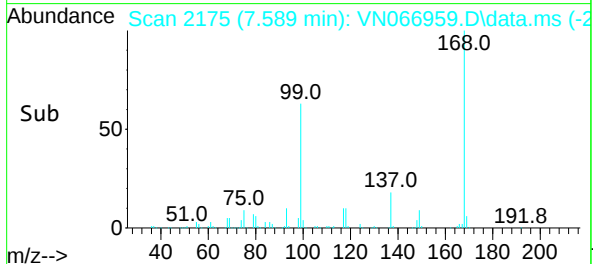
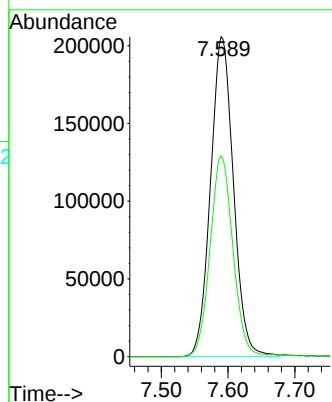
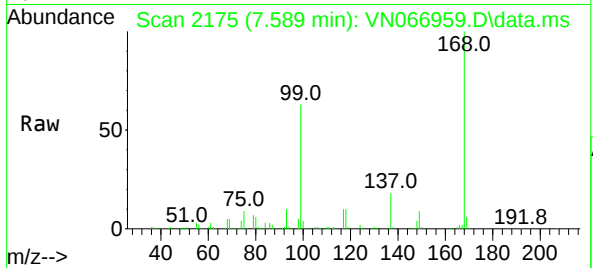




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

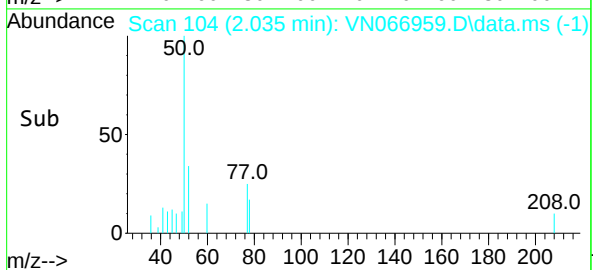
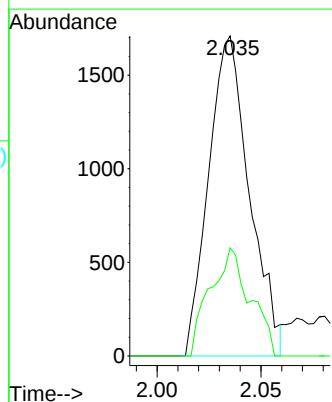
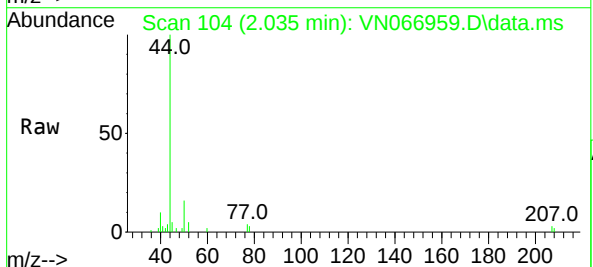
Instrument :
MSVOA_N
ClientSampled :

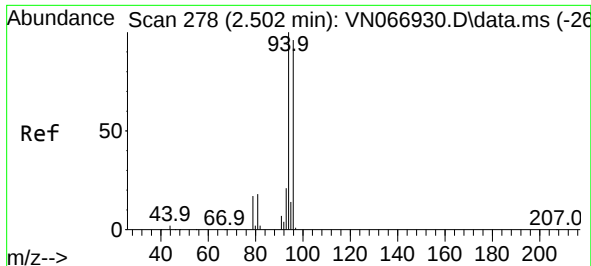
Tgt Ion:168 Resp: 490277
Ion Ratio Lower Upper
168 100
99 62.8 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion: 50 Resp: 2337
Ion Ratio Lower Upper
50 100
52 33.8 25.8 38.8

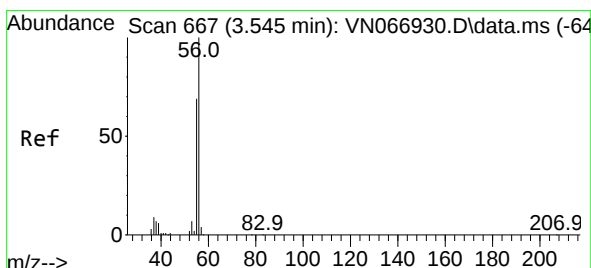
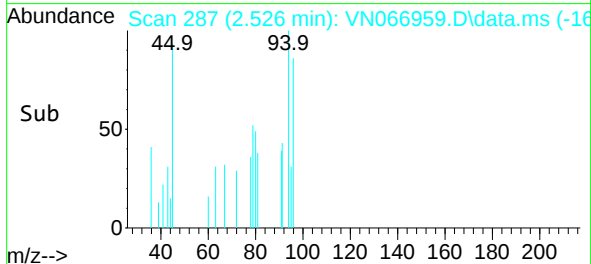
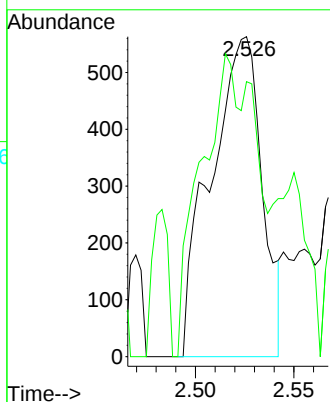
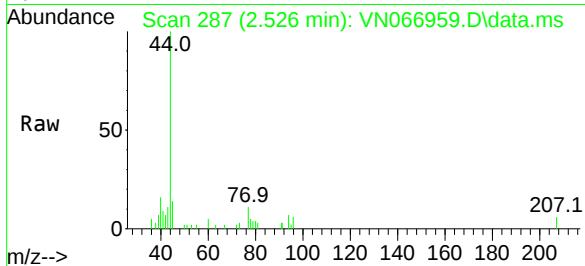




#5
Bromomethane
Concen: 0.21 ug/l
RT: 2.526 min Scan# 287
Delta R.T. 0.024 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

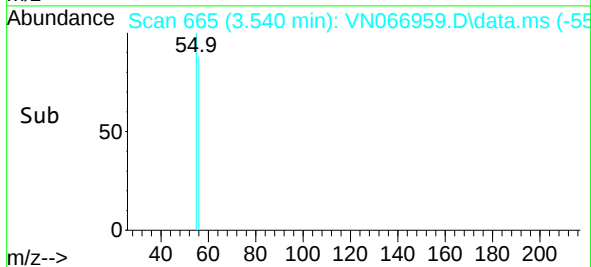
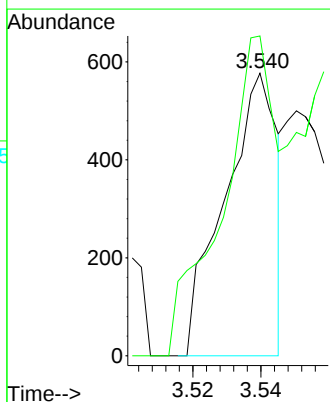
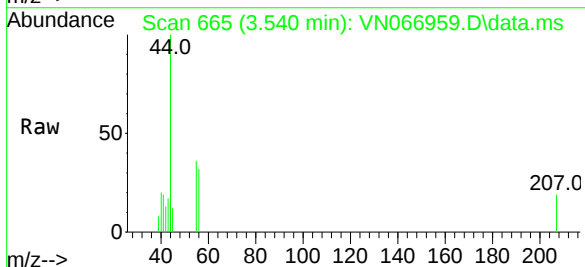
Instrument :
MSVOA_N
ClientSampleId :

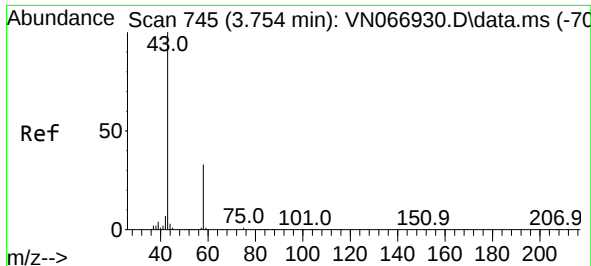
Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 86.0 73.0 109.4



#13
Acrolein
Concen: 0.68 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

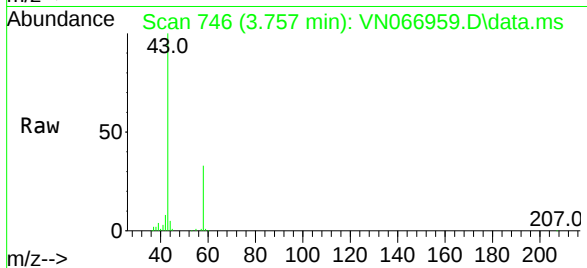
Tgt Ion: 56 Resp: 613
Ion Ratio Lower Upper
56 100
55 125.6 56.0 84.0#



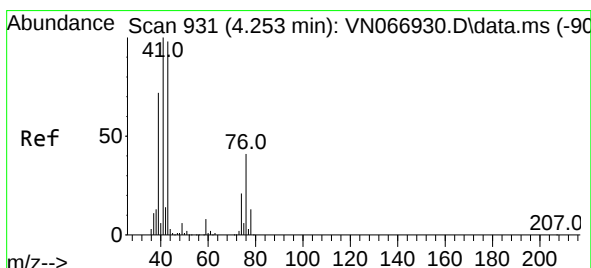
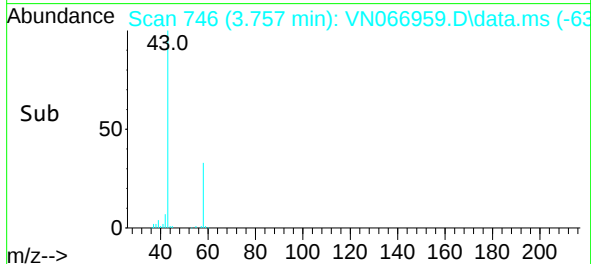
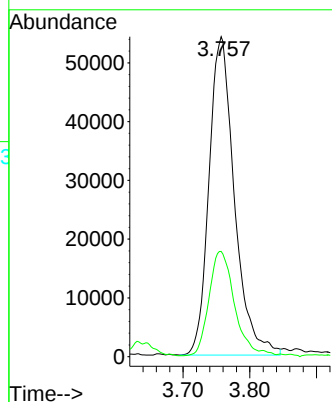


#16
Acetone
Concen: 52.84 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Instrument :
MSVOA_N
ClientSampled :

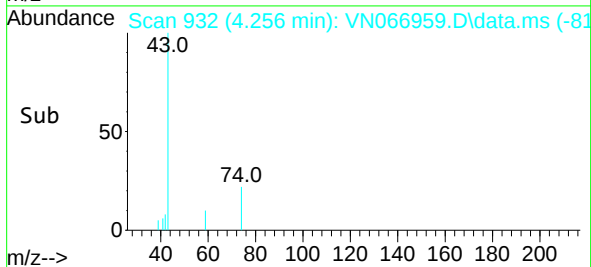
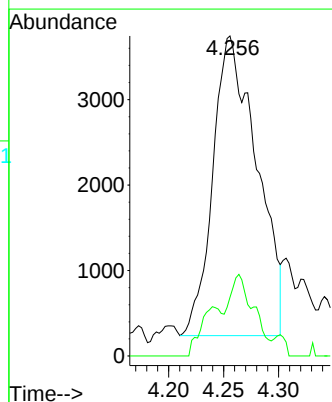
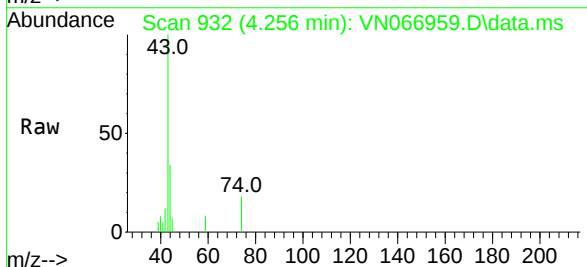


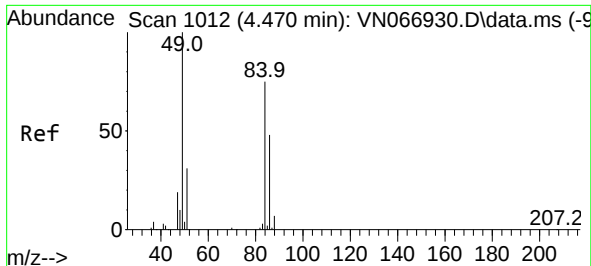
Tgt Ion: 43 Resp: 143435
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.6



#18
Methyl Acetate
Concen: 1.25 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

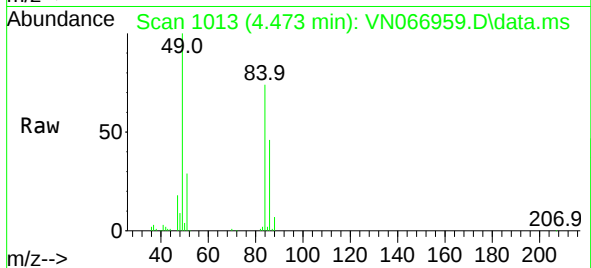
Tgt Ion: 43 Resp: 9744
Ion Ratio Lower Upper
43 100
74 15.2 19.5 29.3#



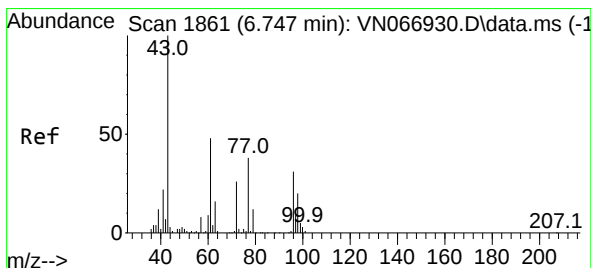
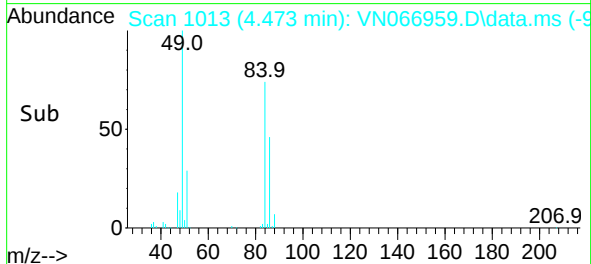
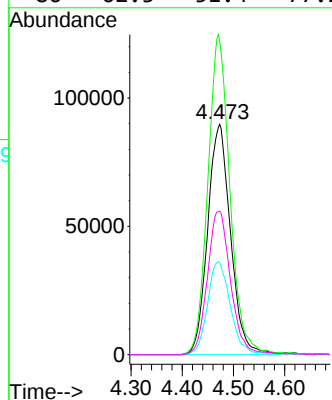


#20
Methylene Chloride
Concen: 40.52 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

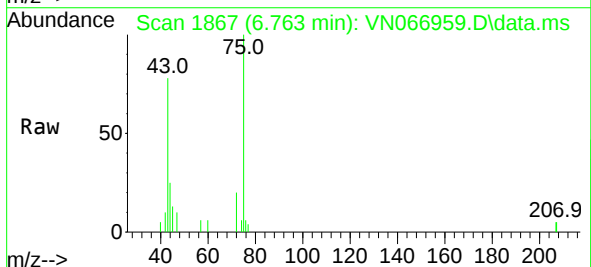
Instrument :
MSVOA_N
ClientSampled :



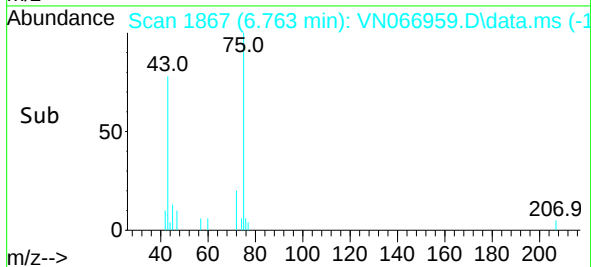
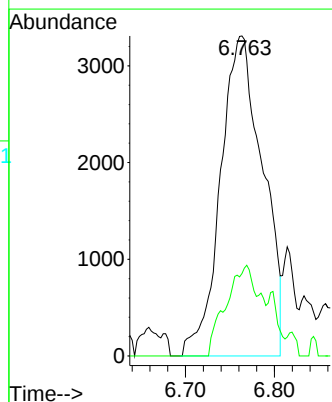
Tgt Ion: 84 Resp: 279055
Ion Ratio Lower Upper
84 100
49 136.0 94.6 141.8
51 39.8 29.9 44.9
86 62.3 51.4 77.2

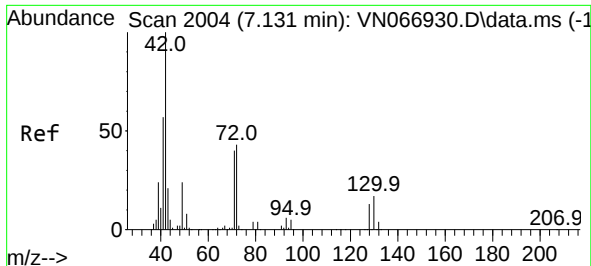


#25
2-Butanone
Concen: 2.72 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32



Tgt Ion: 43 Resp: 10904
Ion Ratio Lower Upper
43 100
72 25.8 23.1 34.7

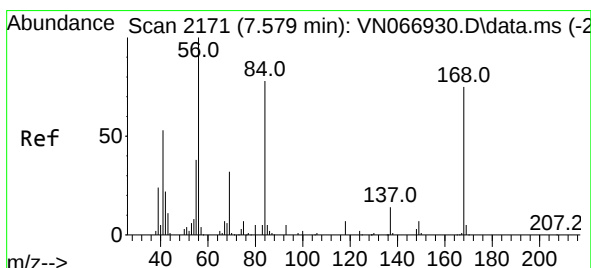
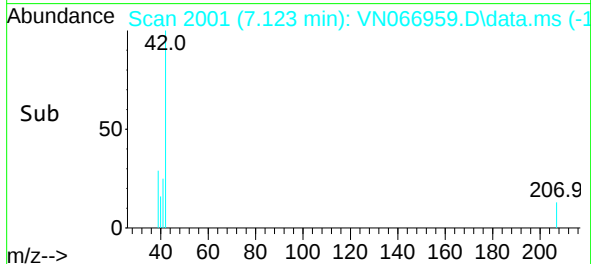
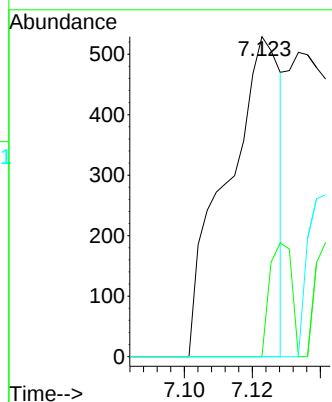
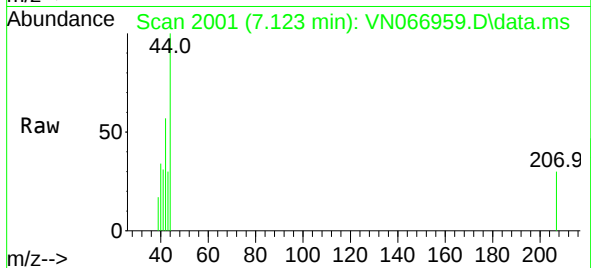




#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 7.123 min Scan# 2001
Delta R.T. -0.008 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

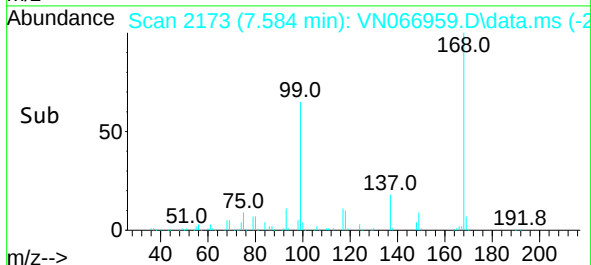
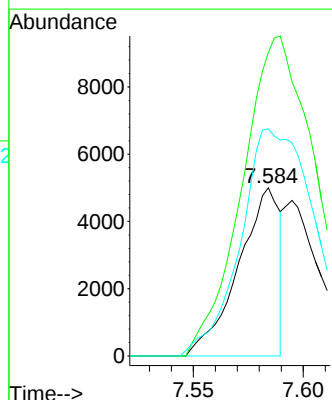
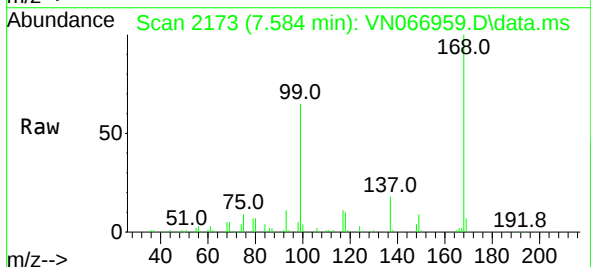
Instrument :
MSVOA_N
ClientSampleId :

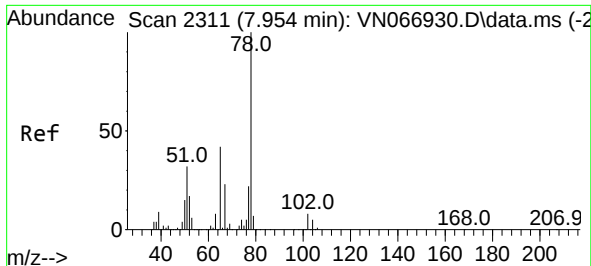
Tgt Ion: 42 Resp: 581
Ion Ratio Lower Upper
42 100
72 14.5 36.6 55.0#
71 0.0 34.3 51.5#



#31
Cyclohexane
Concen: 0.60 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. 0.005 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

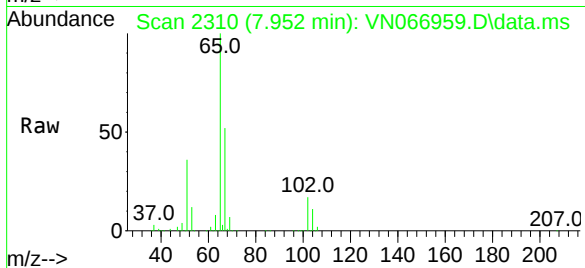
Tgt Ion: 56 Resp: 6505
Ion Ratio Lower Upper
56 100
69 180.4 26.6 39.8#
84 135.2 70.4 105.6#



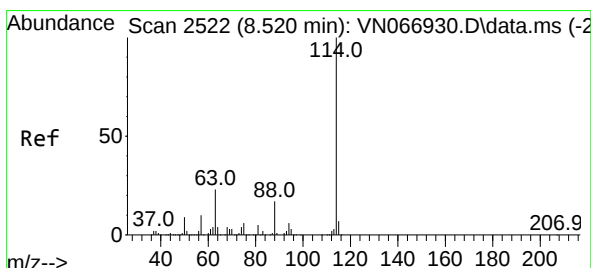
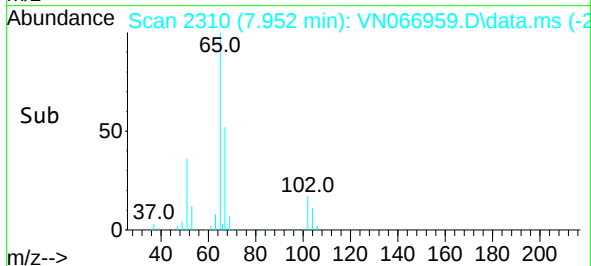
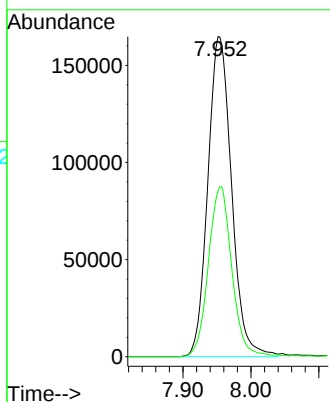


#33
 1,2-Dichloroethane-d4
 Concen: 51.83 ug/l
 RT: 7.952 min Scan# 2310
 Delta R.T. -0.002 min
 Lab File: VN066959.D
 Acq: 5 May 2021 1:32

Instrument :
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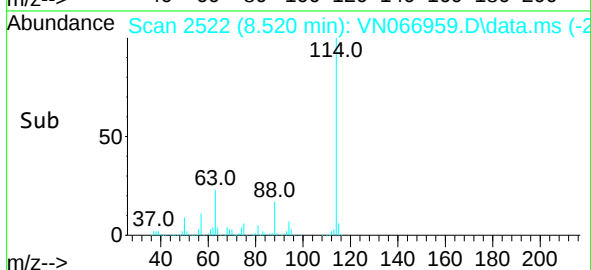
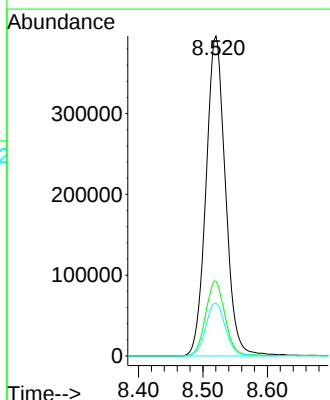
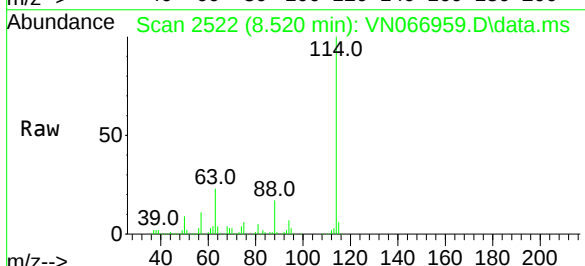


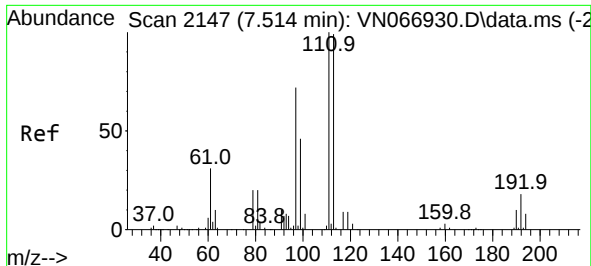
Tgt Ion: 65 Resp: 399987
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066959.D
 Acq: 5 May 2021 1:32

Tgt Ion: 114 Resp: 828884
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 38.6
 88 16.5 0.0 30.6

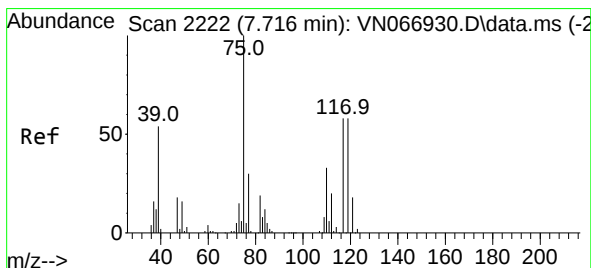
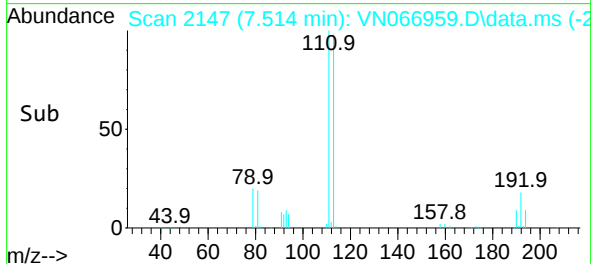
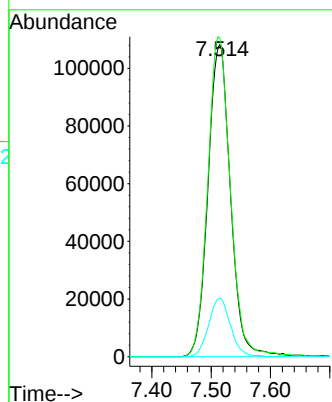
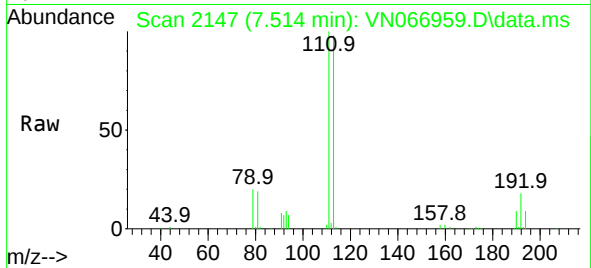




#35
Dibromofluoromethane
Concen: 50.50 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

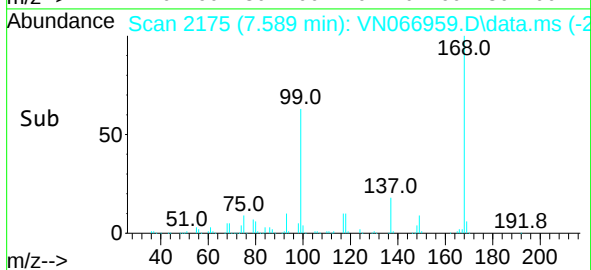
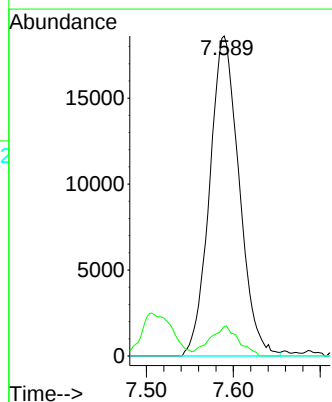
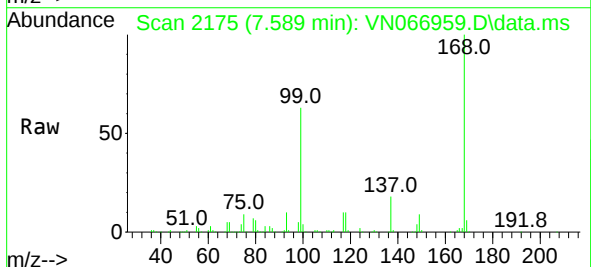
Instrument :
MSVOA_N
ClientSampleId :

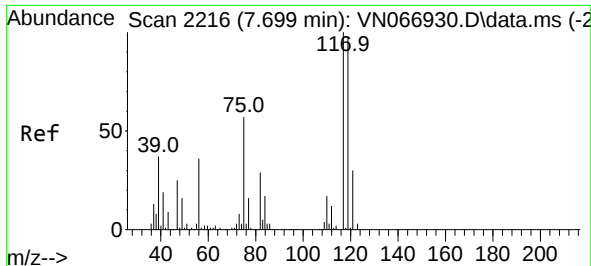
Tgt Ion:113 Resp: 284233
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.09 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

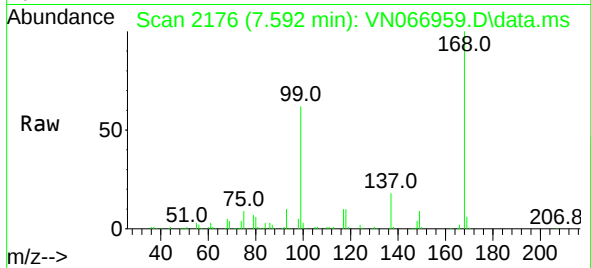
Tgt Ion: 75 Resp: 43982
Ion Ratio Lower Upper
75 100
110 9.2 18.2 54.6#
77 0.0 24.9 37.3#



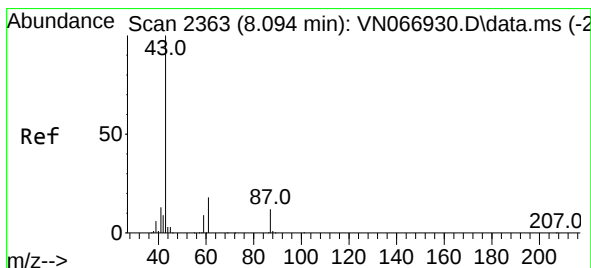
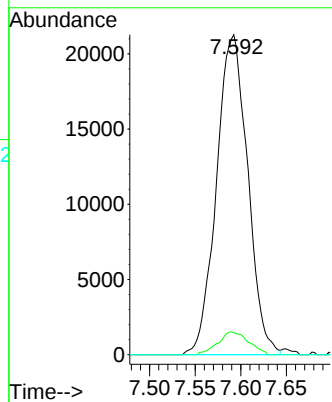
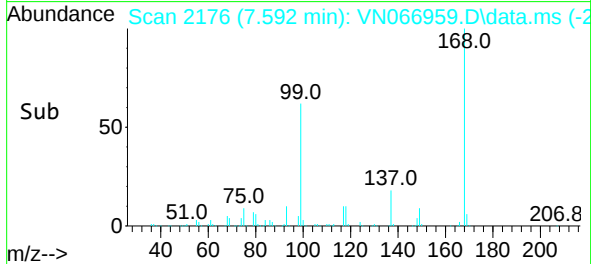


#38
Carbon Tetrachloride
Concen: 5.63 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

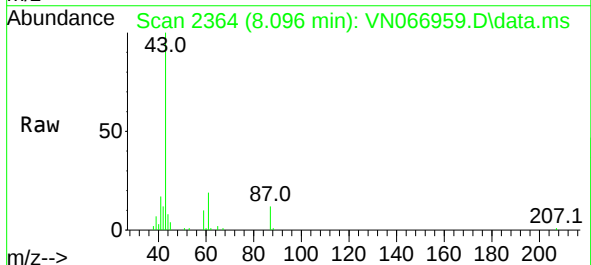
Instrument :
MSVOA_N
ClientSampleId :



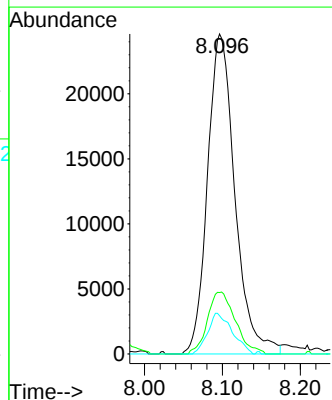
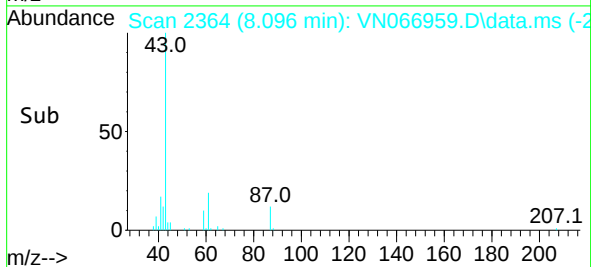
Tgt Ion:117 Resp: 50705
Ion Ratio Lower Upper
117 100
119 6.9 76.0 114.0#
121 0.0 24.5 36.7#

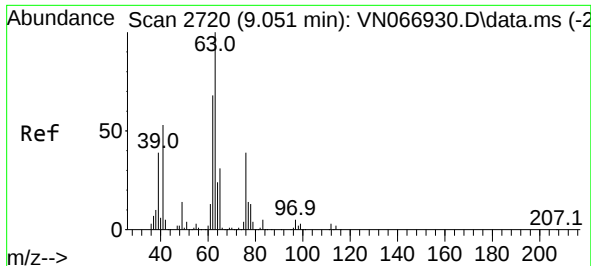


#43
Isopropyl Acetate
Concen: 4.21 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32



Tgt Ion: 43 Resp: 60092
Ion Ratio Lower Upper
43 100
61 19.7 22.5 33.7#
87 11.4 11.1 16.7



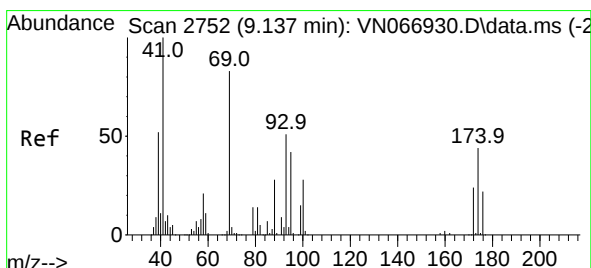
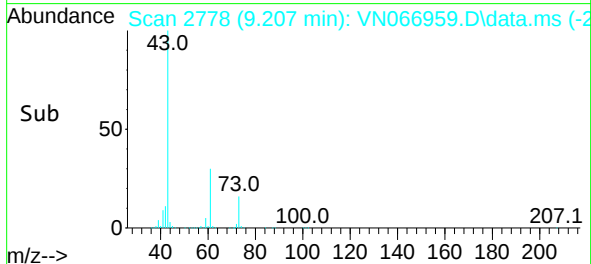
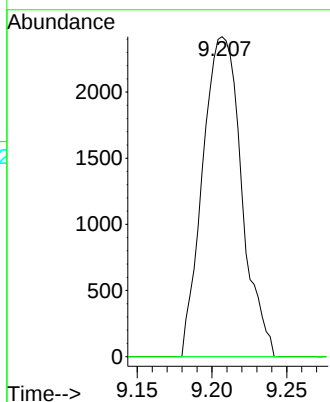
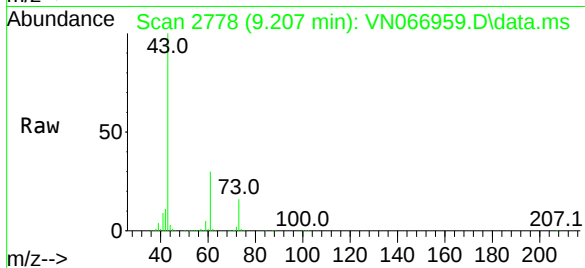


#45

1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Instrument :
MSVOA_N
ClientSampled :

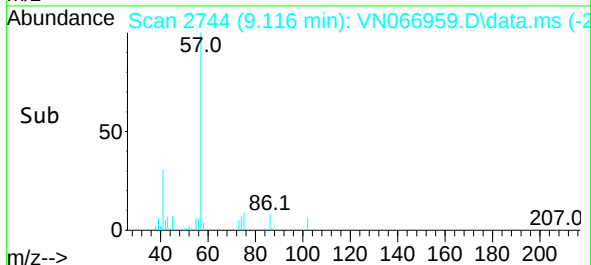
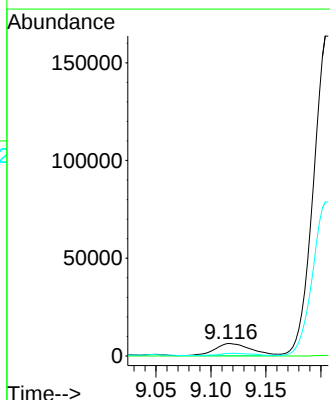
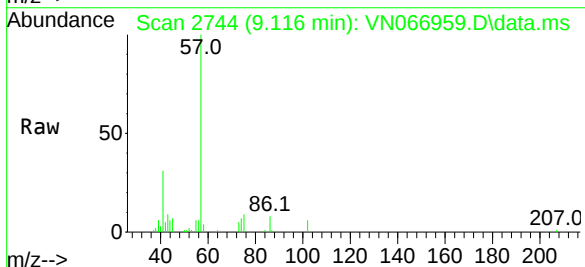
Tgt Ion: 63 Resp: 4393
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

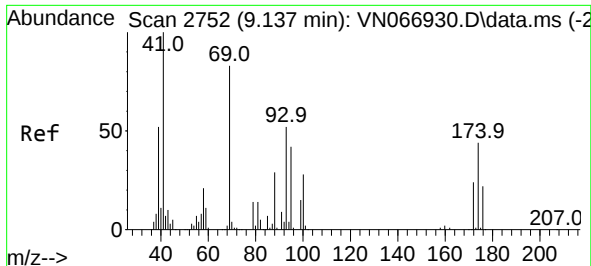


#48

Methyl methacrylate
Concen: 2.24 ug/l
RT: 9.116 min Scan# 2744
Delta R.T. -0.021 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

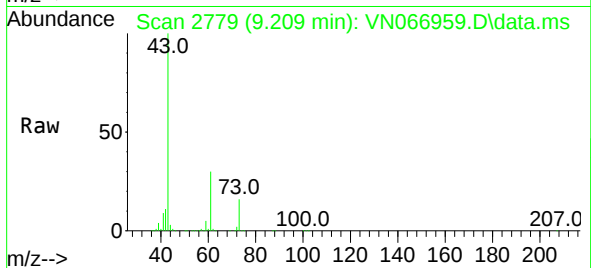
Tgt Ion: 41 Resp: 14190
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



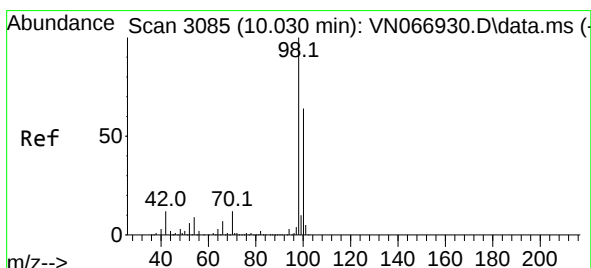
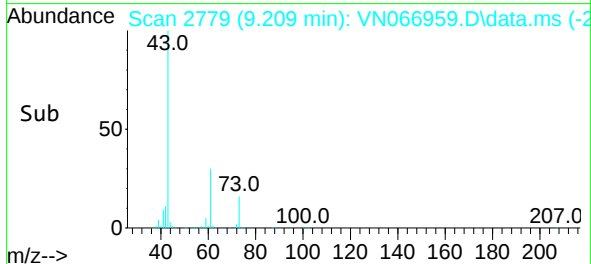
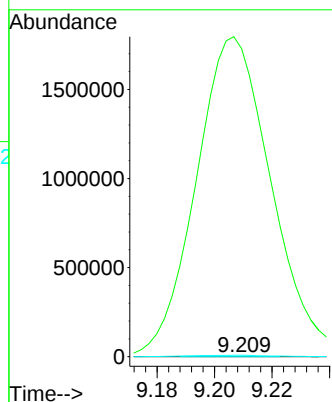


#49
1,4-Dioxane
Concen: 4.58 ug/l
RT: 9.209 min Scan# 2779
Delta R.T. 0.072 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Instrument :
MSVOA_N
ClientSampled :

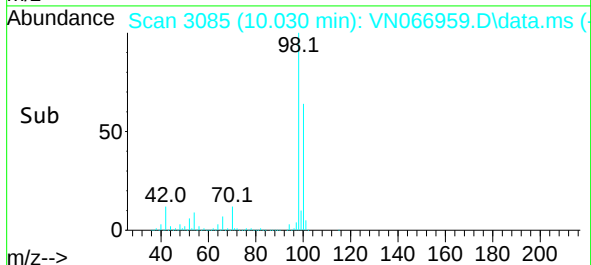
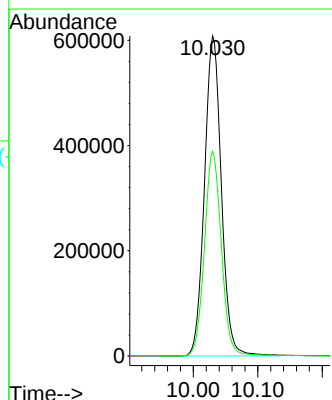
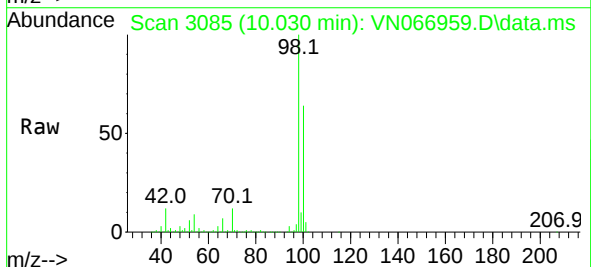


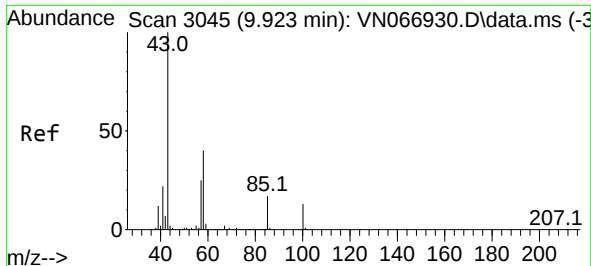
Tgt Ion: 88 Resp: 460
Ion Ratio Lower Upper
88 100
43 732601.5 24.7 37.1#
58 3381.1 52.6 78.8#



#50
Toluene-d8
Concen: 51.72 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion: 98 Resp: 1108592
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

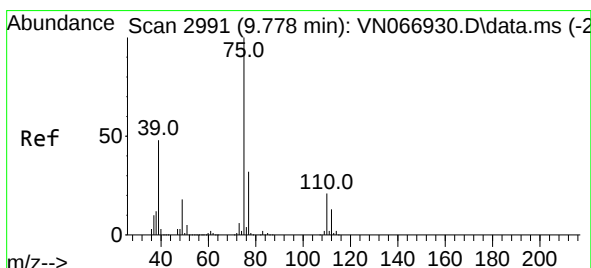
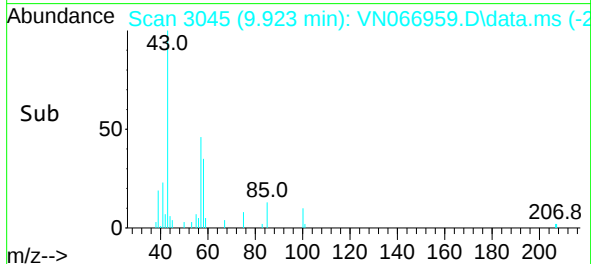
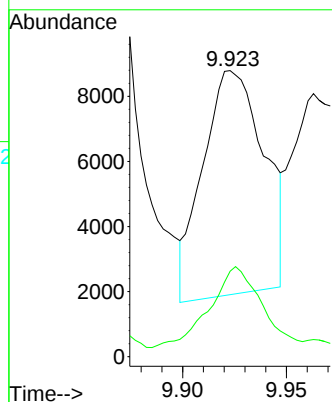
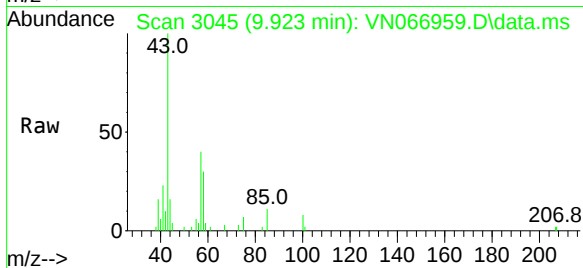




#51
4-Methyl-2-Pentanone
Concen: 1.70 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

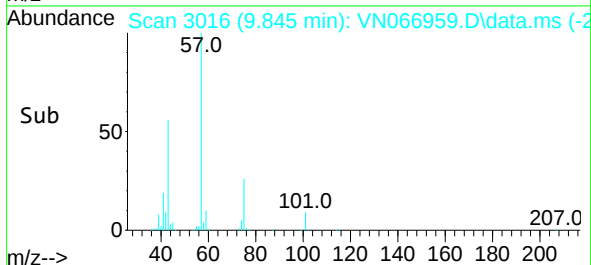
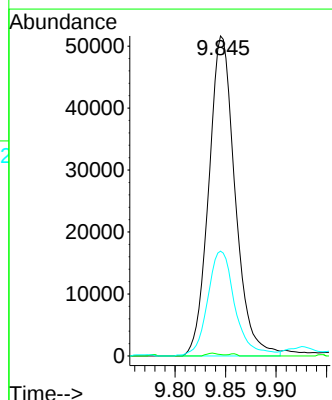
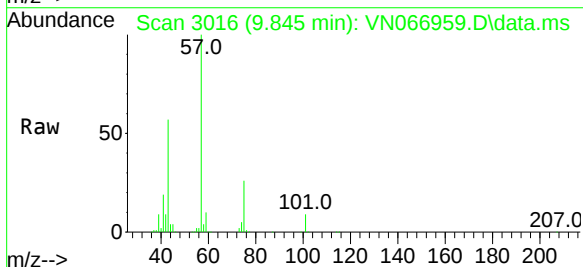
Instrument :
MSVOA_N
ClientSampled :

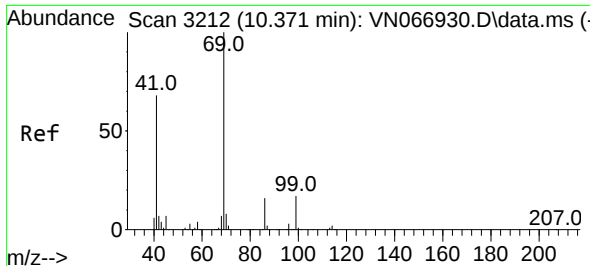
Tgt Ion: 43 Resp: 14076
Ion Ratio Lower Upper
43 100
58 31.3 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.22 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

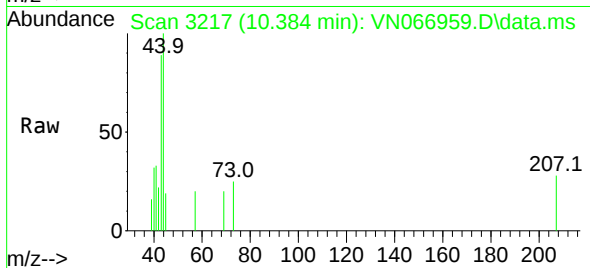
Tgt Ion: 75 Resp: 93458
Ion Ratio Lower Upper
75 100
77 0.4 24.9 37.3#
39 32.5 36.2 54.4#



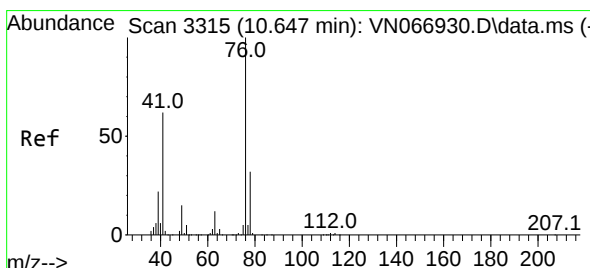
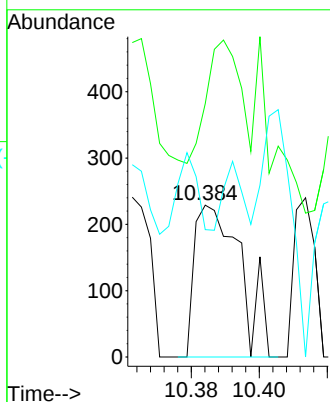
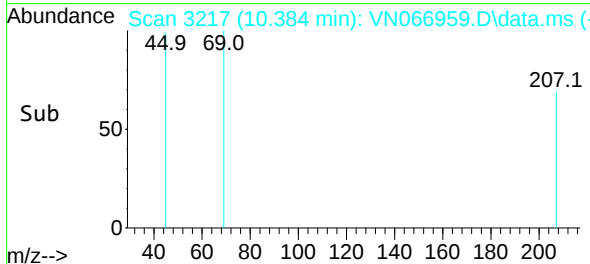


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.384 min Scan# 3217
Delta R.T. 0.013 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

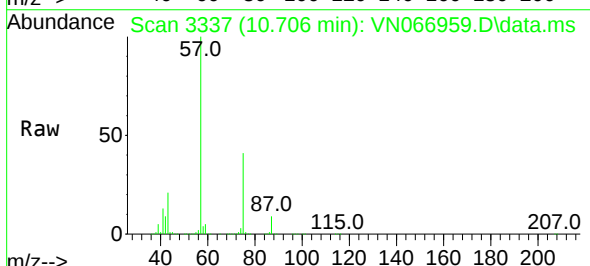
Instrument :
MSVOA_N
ClientSampled :



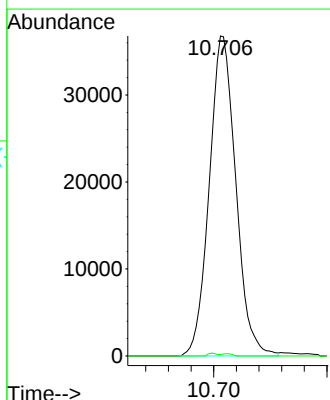
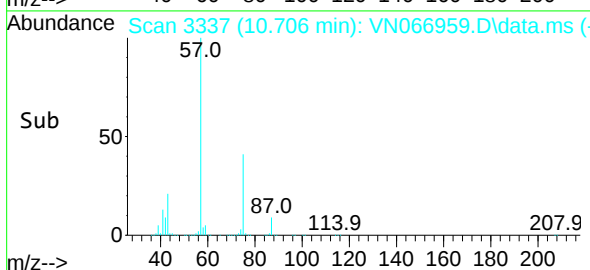
Tgt Ion: 69 Resp: 216
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

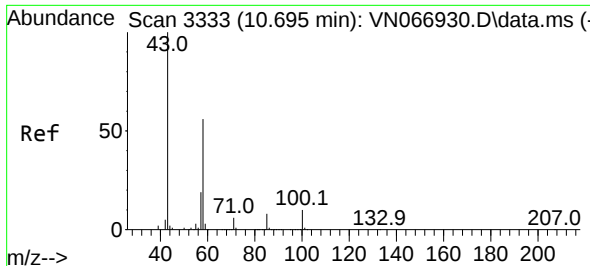


#57
1,3-Dichloropropane
Concen: 5.34 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32



Tgt Ion: 76 Resp: 59771
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

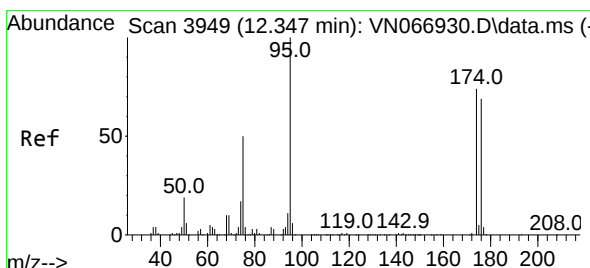
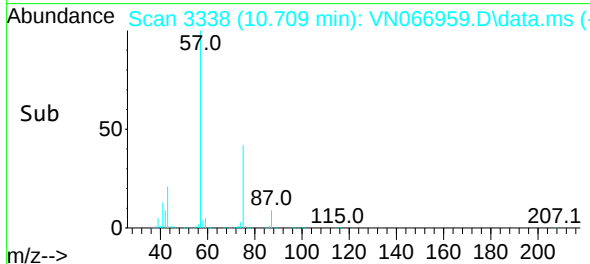
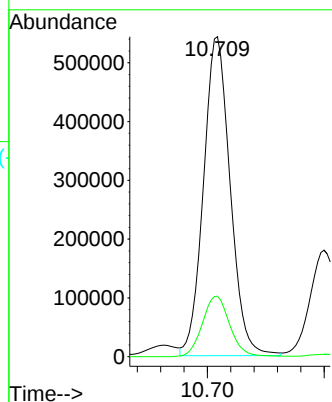
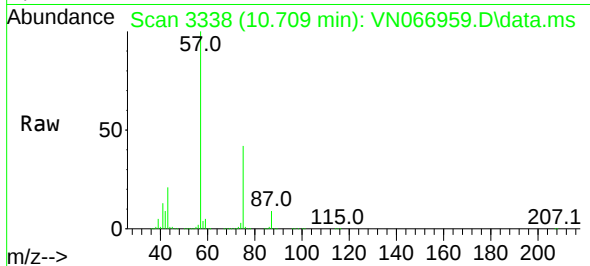




#59
2-Hexanone
Concen: 154.91 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

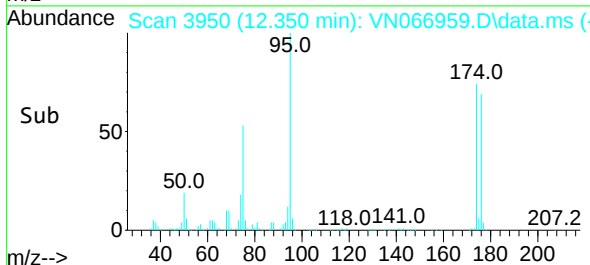
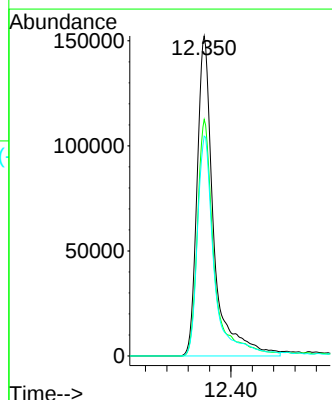
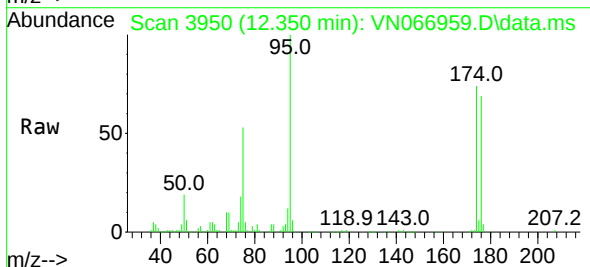
Instrument :
MSVOA_N
ClientSampled :

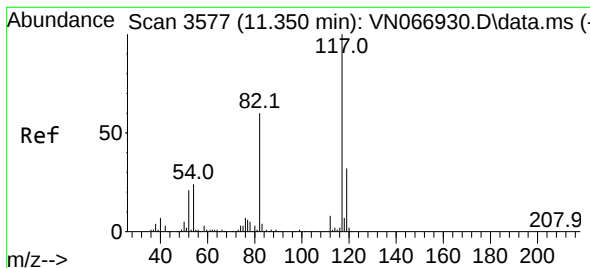
Tgt Ion: 43 Resp: 861123
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.55 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion: 95 Resp: 330592
Ion Ratio Lower Upper
95 100
174 74.2 0.0 169.0
176 69.2 0.0 162.4

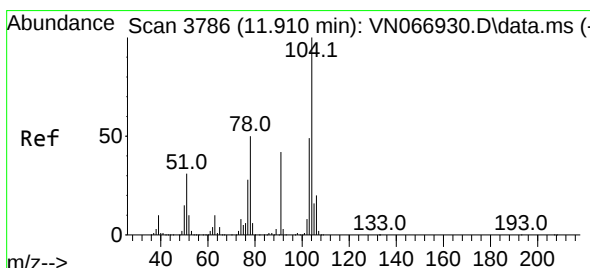
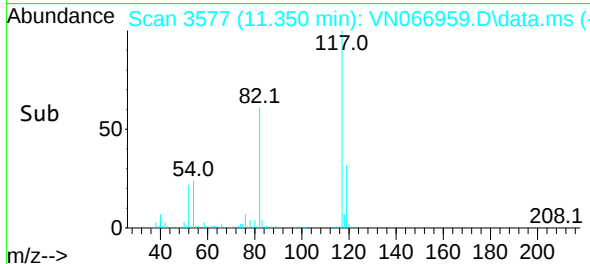
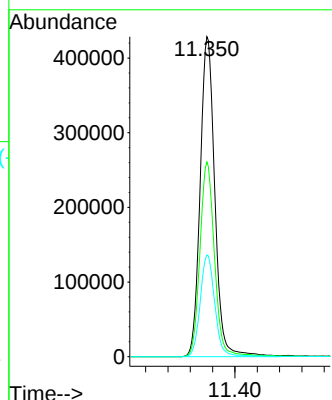
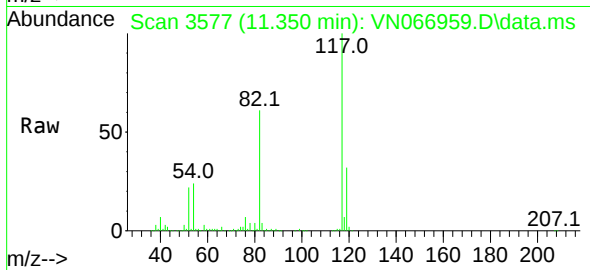




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

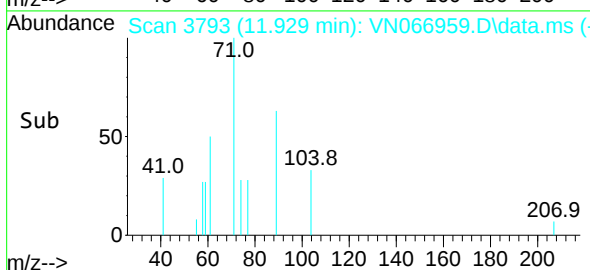
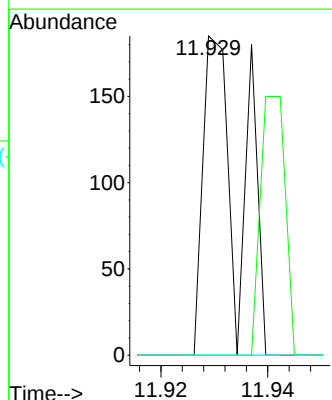
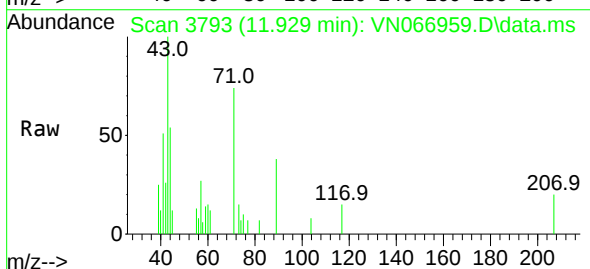
Instrument :
MSVOA_N
ClientSampled :

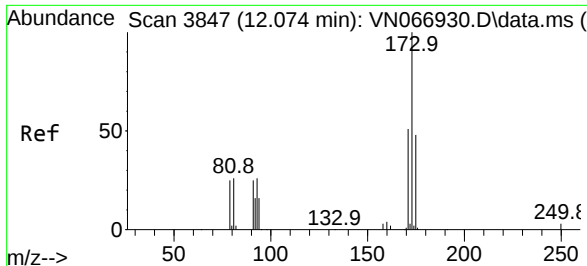
Tgt Ion:117 Resp: 780578
Ion Ratio Lower Upper
117 100
82 60.8 43.7 65.5
119 31.8 26.1 39.1



#70
Styrene
Concen: 4.72 ug/l
RT: 11.929 min Scan# 3793
Delta R.T. 0.019 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

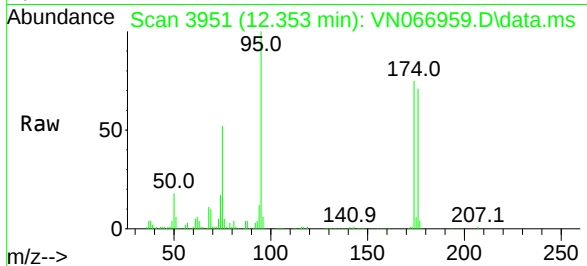
Tgt Ion:104 Resp: 87
Ion Ratio Lower Upper
104 100
78 55.2 39.0 58.4
103 0.0 44.5 66.7#



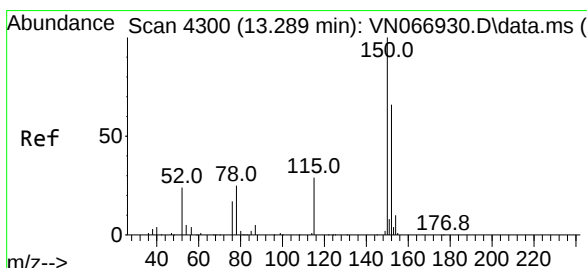
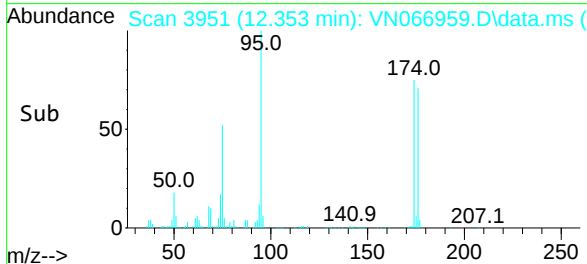
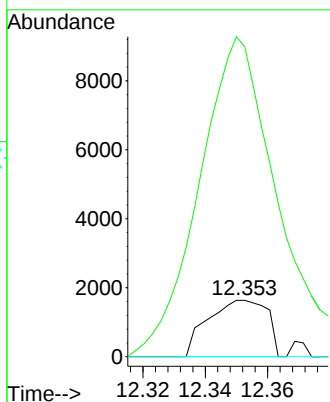


#71
Bromoform
Concen: 0.46 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.279 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Instrument :
MSVOA_N
ClientSampleId :

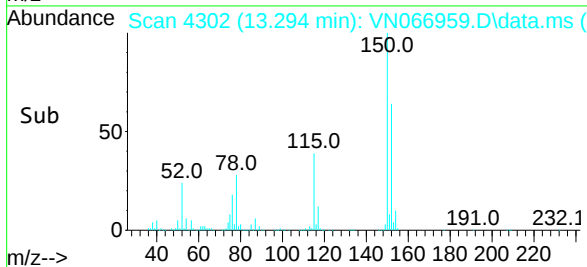
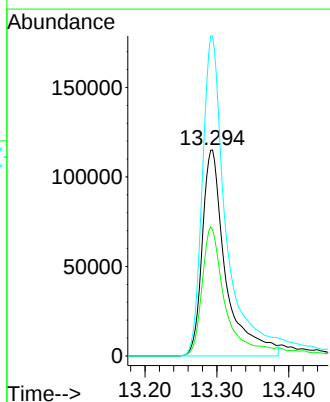
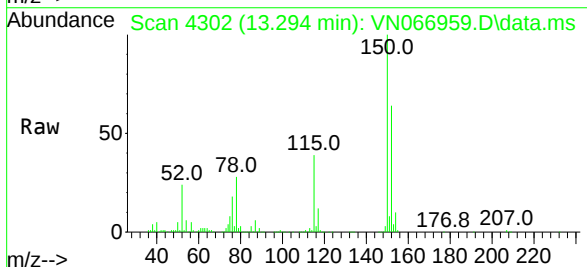


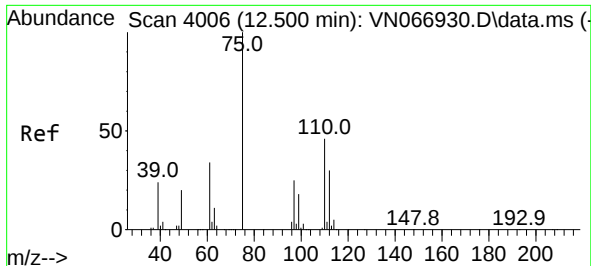
Tgt Ion:173 Resp: 2163
Ion Ratio Lower Upper
173 100
175 636.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion:152 Resp: 262523
Ion Ratio Lower Upper
152 100
115 61.6 28.5 85.6
150 165.5 0.0 347.6

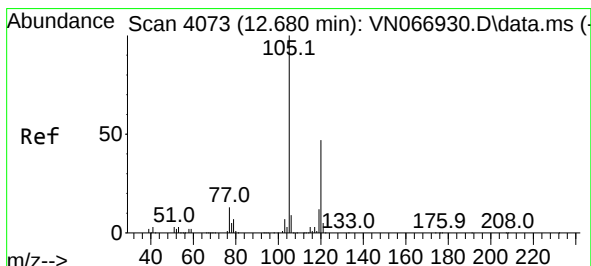
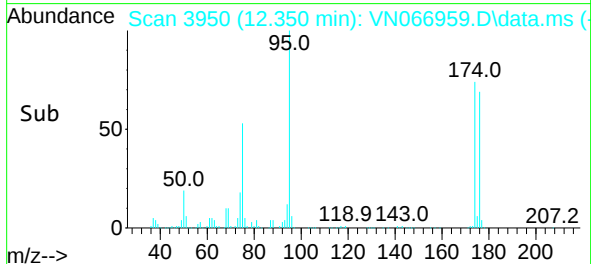
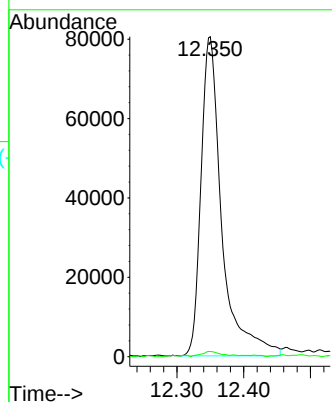
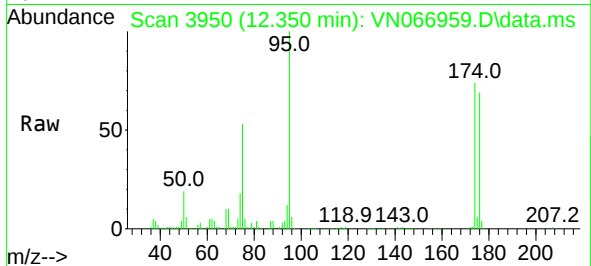




#76
1,2,3-Trichloropropane
Concen: 27.83 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

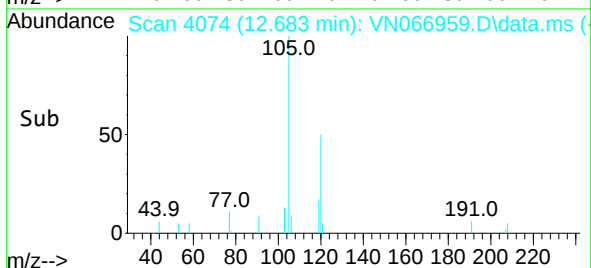
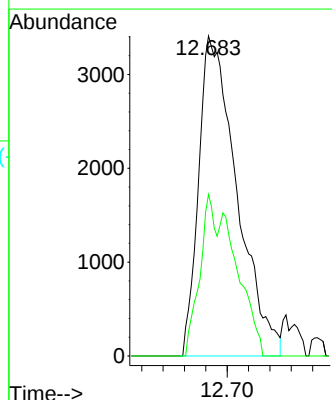
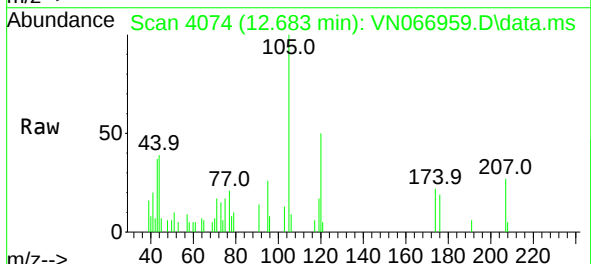
Instrument :
MSVOA_N
ClientSampleId :

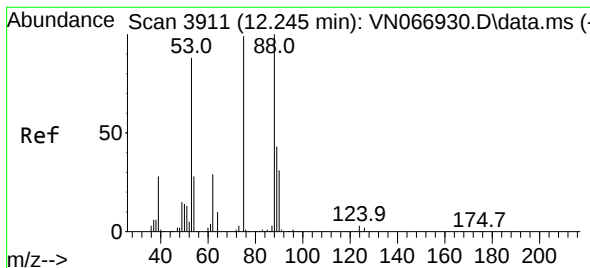
Tgt Ion: 75 Resp: 174037
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.48 ug/l
RT: 12.683 min Scan# 4074
Delta R.T. 0.003 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion:105 Resp: 8476
Ion Ratio Lower Upper
105 100
120 21.6 24.3 72.8#

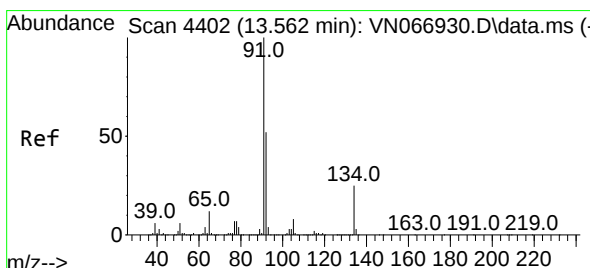
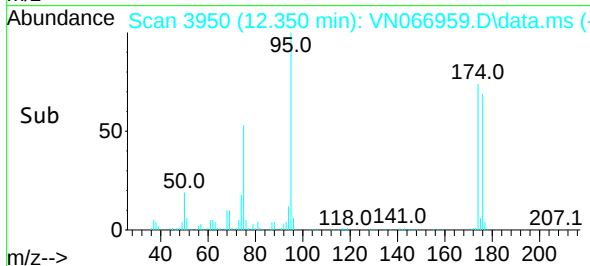
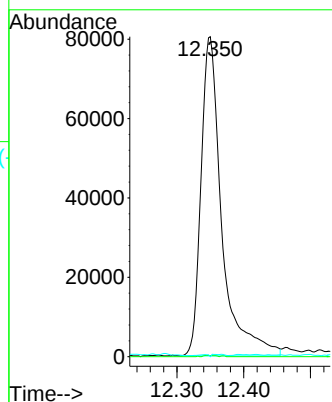
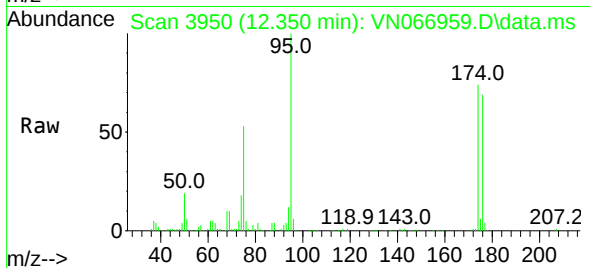




#81
trans-1,4-Dichloro-2-butene
Concen: 83.12 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

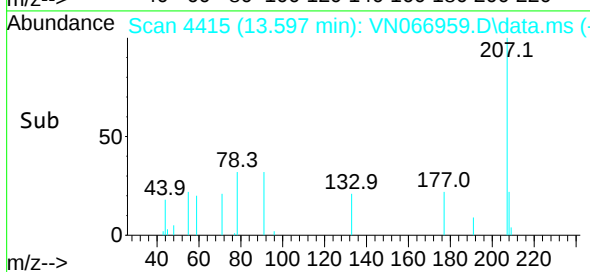
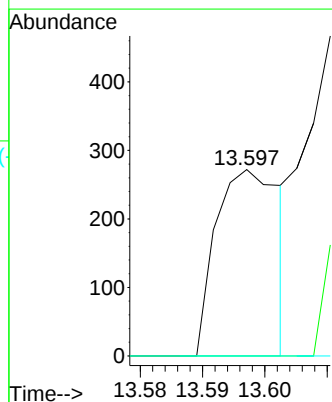
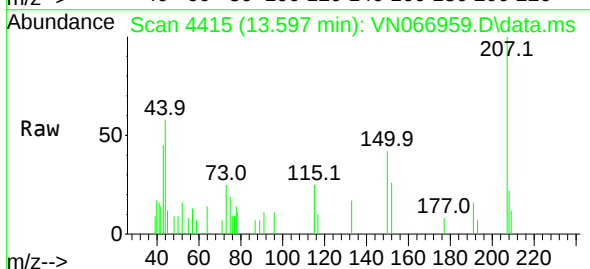
Instrument :
MSVOA_N
ClientSampled :

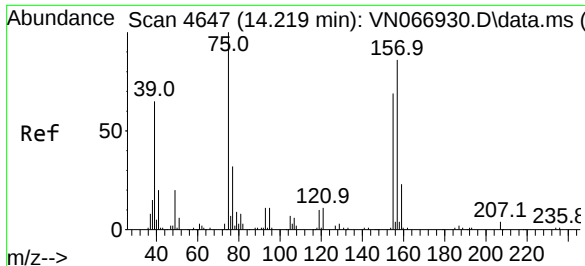
Tgt Ion: 75 Resp: 174037
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.2 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.597 min Scan# 4415
Delta R.T. 0.035 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

Tgt Ion: 91 Resp: 194
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

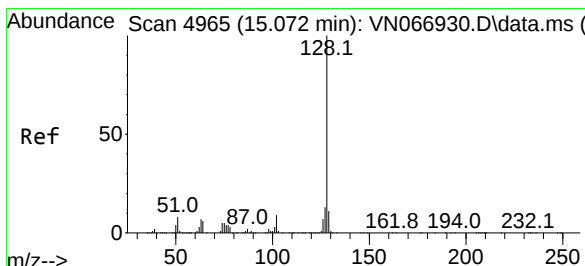
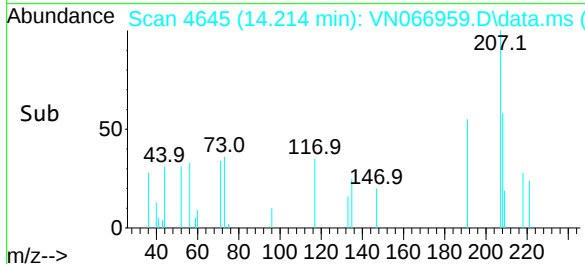
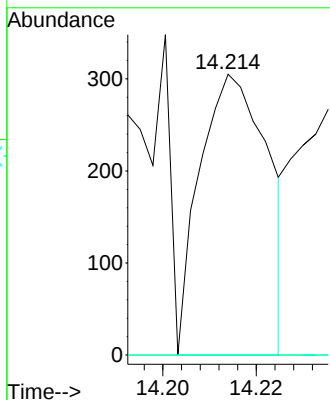
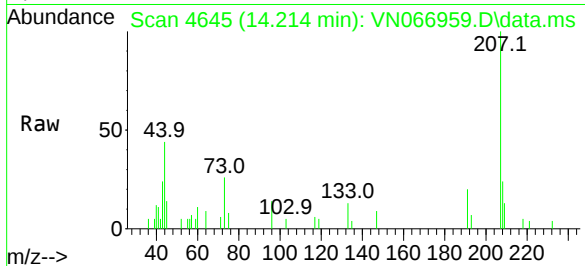




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.214 min Scan# 4645
Delta R.T. -0.005 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

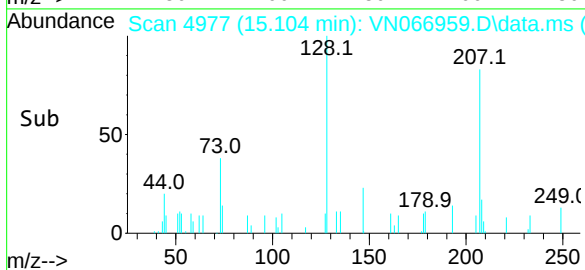
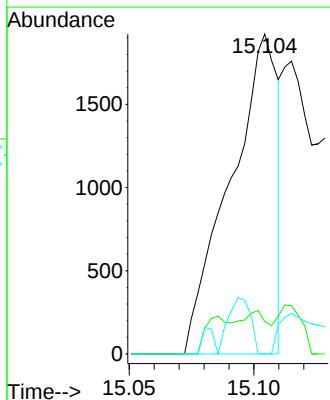
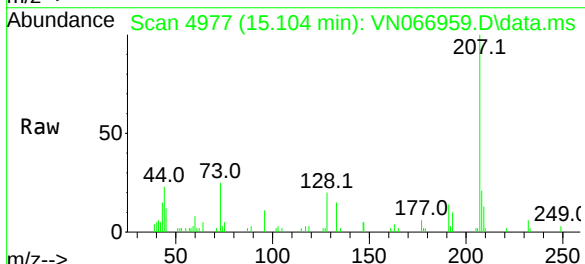
Instrument :
MSVOA_N
ClientSampled :

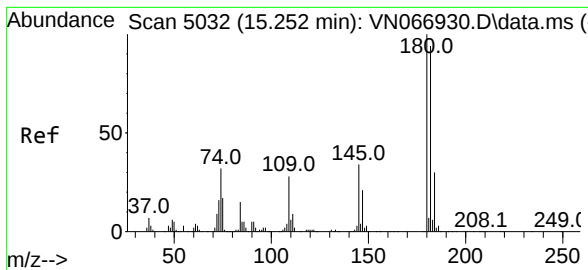
Tgt Ion: 75 Resp: 309
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 0.22 ug/l
RT: 15.104 min Scan# 4977
Delta R.T. 0.032 min
Lab File: VN066959.D
Acq: 5 May 2021 1:32

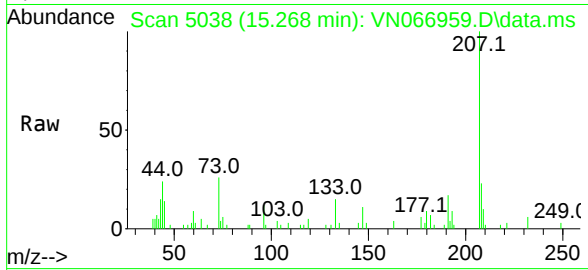
Tgt Ion: 128 Resp: 2537
Ion Ratio Lower Upper
128 100
127 6.8 10.2 15.2#
129 8.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 15.268 min Scan# 5038
 Delta R.T. 0.016 min
 Lab File: VN066959.D
 Acq: 5 May 2021 1:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1002
Ion	Ratio	Lower	Upper
180	100		
182	140.2	47.4	142.3
145	30.6	16.5	49.5

