

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066969.D
 Acq On : 5 May 2021 5:33
 Operator : JC/MD
 Sample : M2256-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:51:21 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)

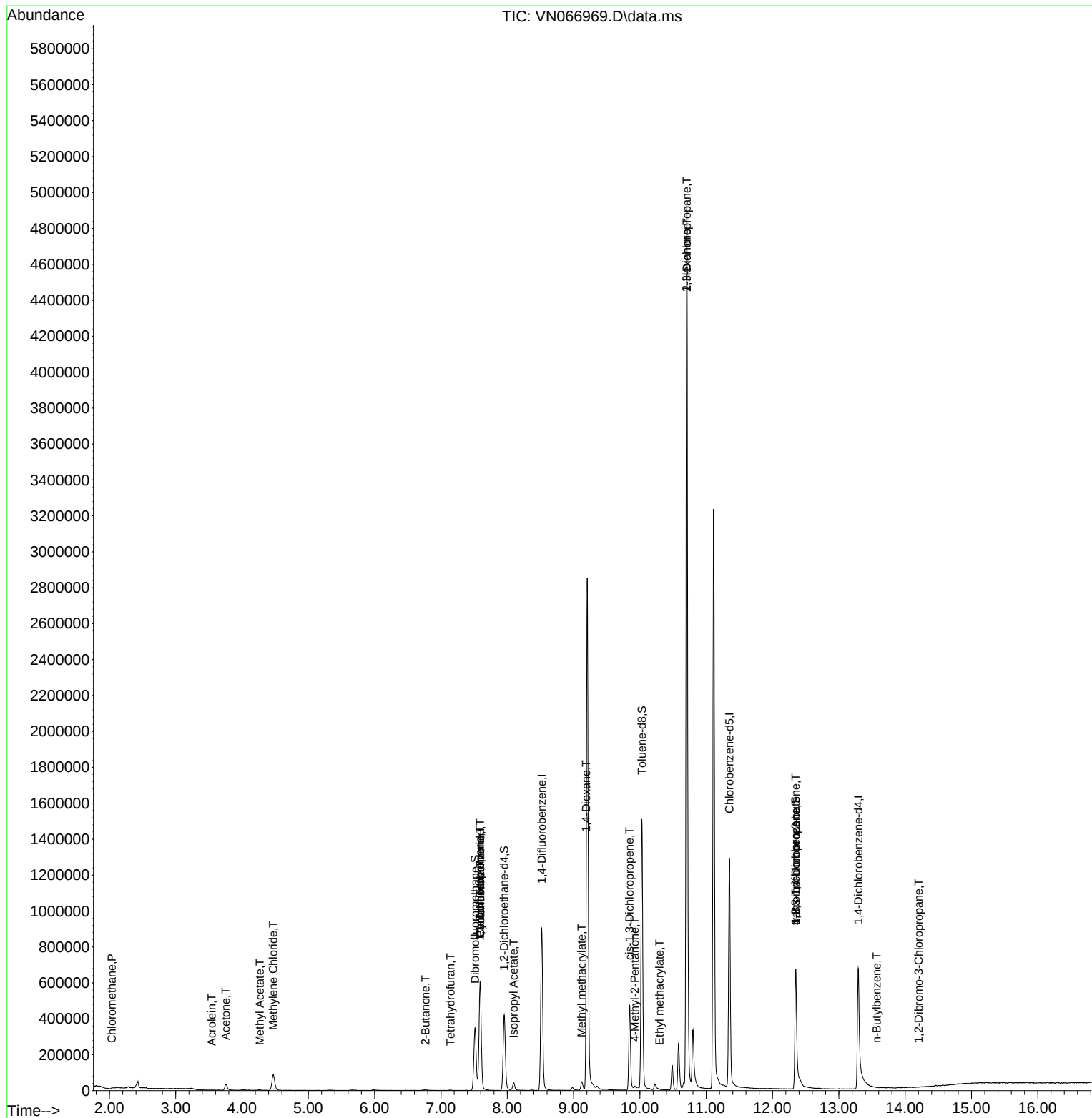
Internal Standards						
1) Pentafluorobenzene	7.592	168	456093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	769319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	732991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	244255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	379159	52.81	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.62%			
35) Dibromofluoromethane	7.514	113	269124	51.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.04%			
50) Toluene-d8	10.030	98	1041903	52.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.74%			
62) 4-Bromofluorobenzene	12.350	95	309745	45.98	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.96%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1936	0.22	ug/l #	80
13) Acrolein	3.540	56	336	0.40	ug/l #	26
16) Acetone	3.754	43	55596	22.01	ug/l	98
18) Methyl Acetate	4.269	43	5696	0.79	ug/l	94
20) Methylene Chloride	4.470	84	63336	9.89	ug/l	94
25) 2-Butanone	6.766	43	7724	2.07	ug/l #	87
29) Tetrahydrofuran	7.144	42	1771	0.72	ug/l #	70
31) Cyclohexane	7.592	56	10983	1.09	ug/l #	6
36) 1,1-Dichloropropene	7.587	75	41272	5.15	ug/l #	48
38) Carbon Tetrachloride	7.589	117	47043	5.63	ug/l #	18
43) Isopropyl Acetate	8.096	43	51861	3.91	ug/l #	89
48) Methyl methacrylate	9.121	41	12402	2.11	ug/l #	10
49) 1,4-Dioxane	9.191	88	80	0.86	ug/l #	26
51) 4-Methyl-2-Pentanone	9.923	43	13980	1.82	ug/l #	82
54) cis-1,3-Dichloropropene	9.845	75	86914	8.24	ug/l #	67
56) Ethyl methacrylate	10.298	69	141	5.20	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	50752	4.88	ug/l #	43
59) 2-Hexanone	10.706	43	720591	142.45	ug/l #	51
76) 1,2,3-Trichloropropane	12.350	75	166282	28.58	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	166282	85.20	ug/l #	12
89) n-Butylbenzene	13.570	91	54	5.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.203	75	327	0.28	ug/l #	1

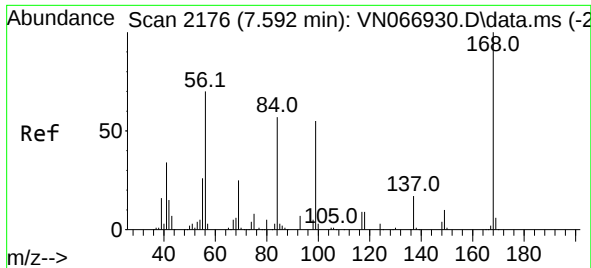
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 48 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: May 05 07:51:21 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

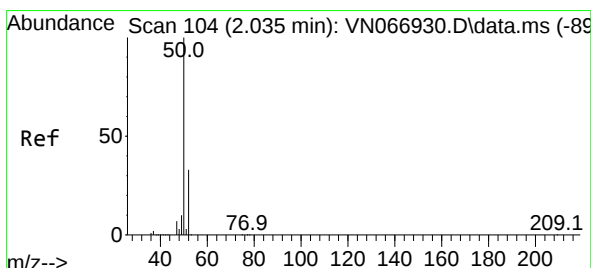
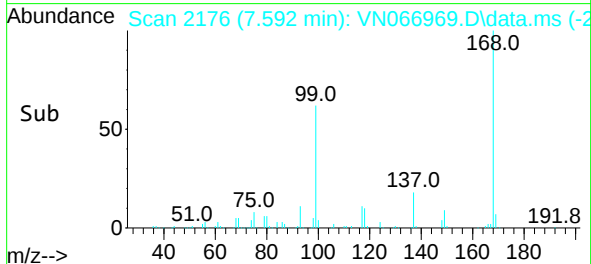
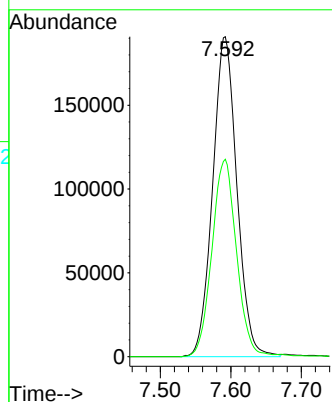
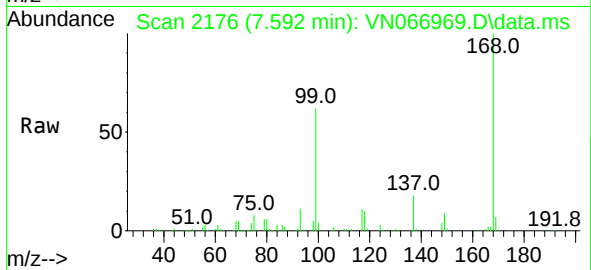




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

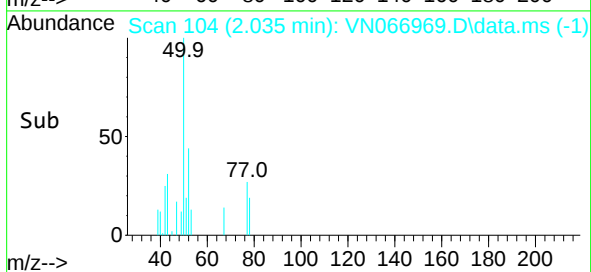
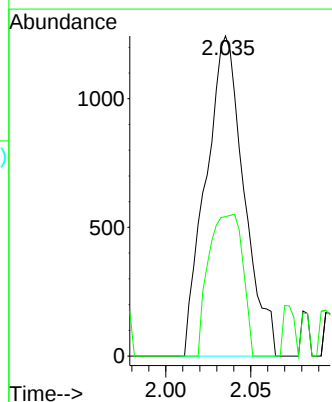
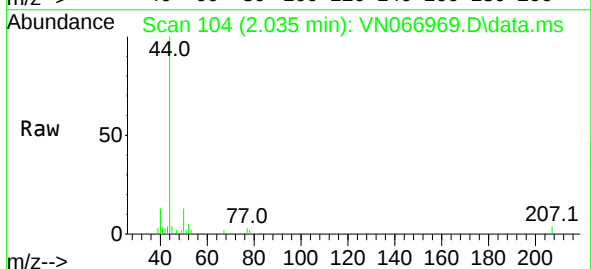
Instrument :
MSVOA_N
ClientSampled :

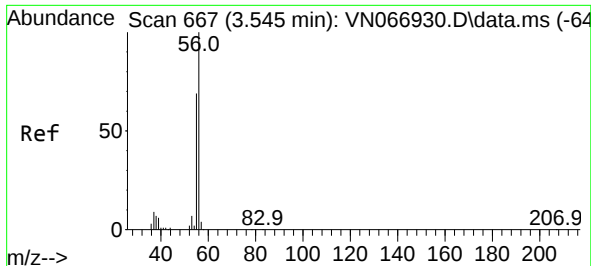
Tgt Ion:168 Resp: 456093
Ion Ratio Lower Upper
168 100
99 61.7 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

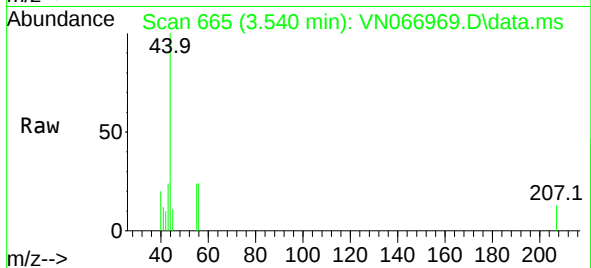
Tgt Ion: 50 Resp: 1936
Ion Ratio Lower Upper
50 100
52 43.6 25.8 38.8#



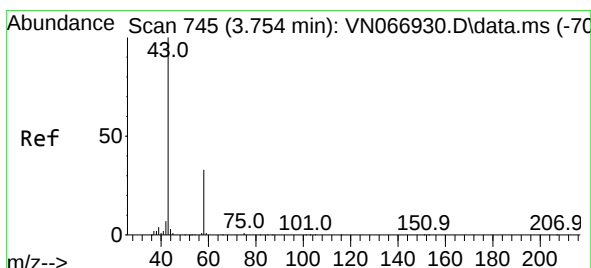
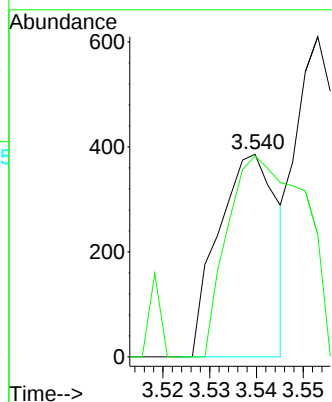
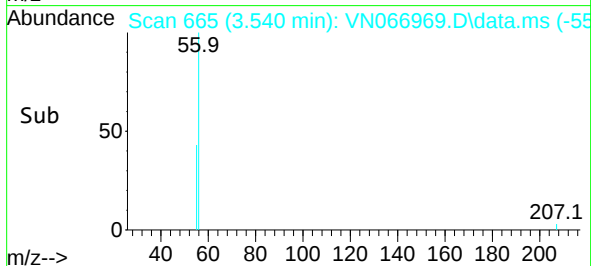


#13
Acrolein
Concen: 0.40 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

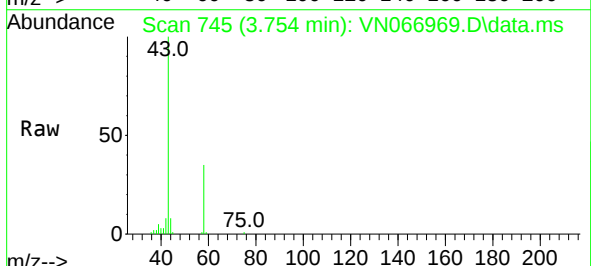
Instrument :
MSVOA_N
ClientSampleId :



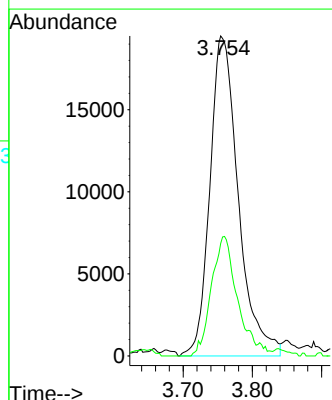
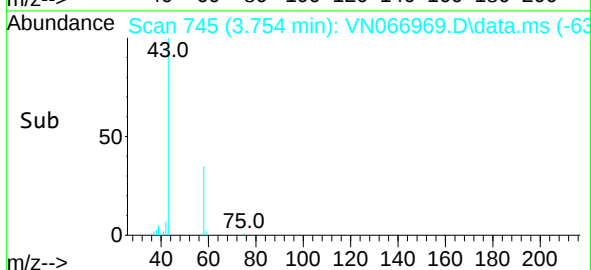
Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 131.0 56.0 84.0#

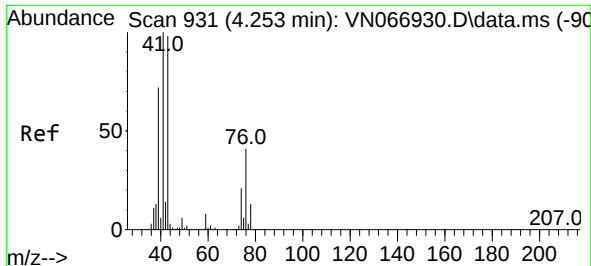


#16
Acetone
Concen: 22.01 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33



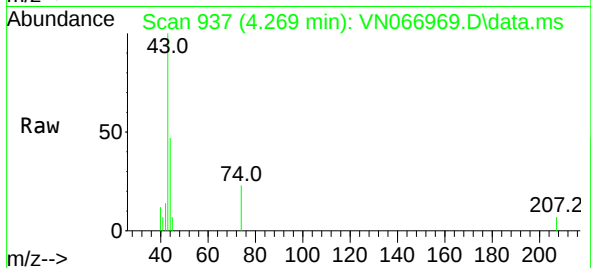
Tgt Ion: 43 Resp: 55596
Ion Ratio Lower Upper
43 100
58 35.2 27.0 40.6



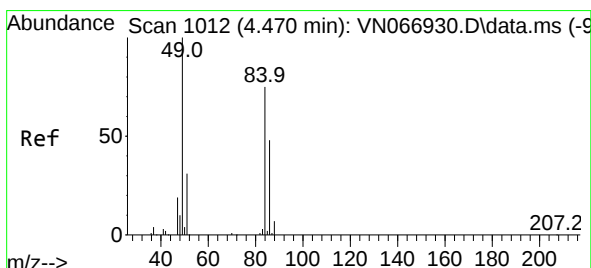
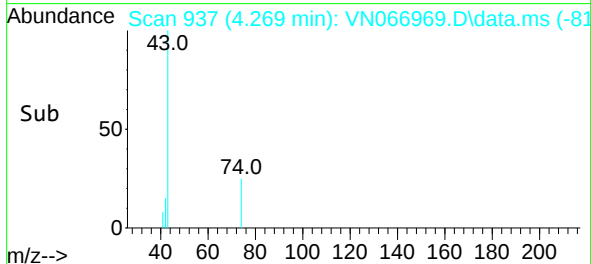
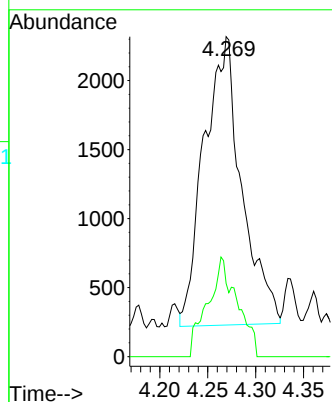


#18
Methyl Acetate
Concen: 0.79 ug/l
RT: 4.269 min Scan# 937
Delta R.T. 0.016 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

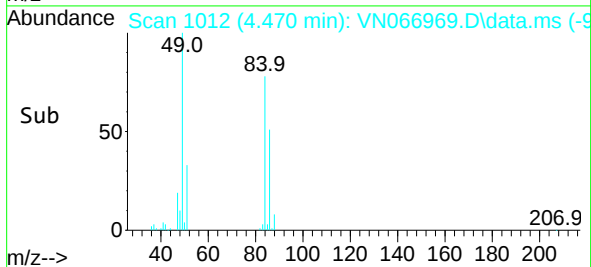
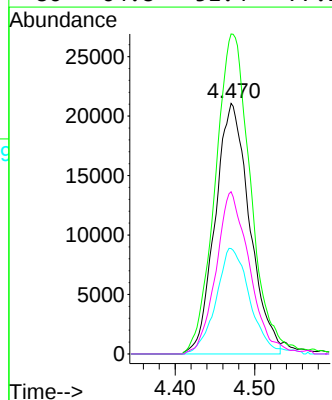
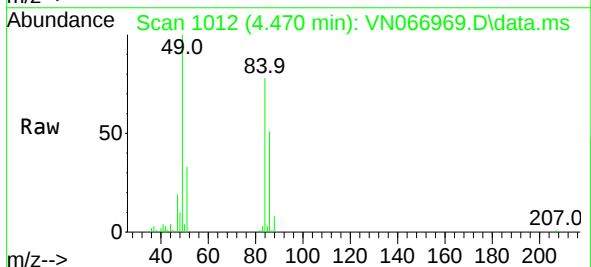


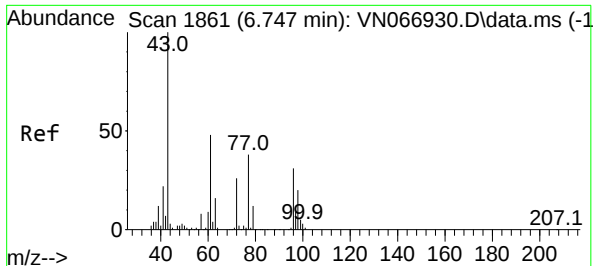
Tgt Ion: 43 Resp: 5696
Ion Ratio Lower Upper
43 100
74 27.2 19.5 29.3



#20
Methylene Chloride
Concen: 9.89 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

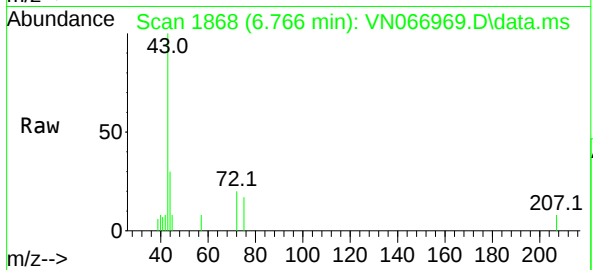
Tgt Ion: 84 Resp: 63336
Ion Ratio Lower Upper
84 100
49 127.7 94.6 141.8
51 42.1 29.9 44.9
86 64.8 51.4 77.2



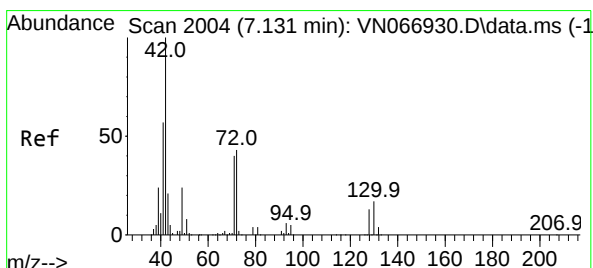
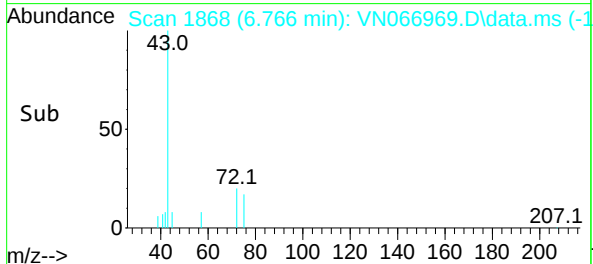
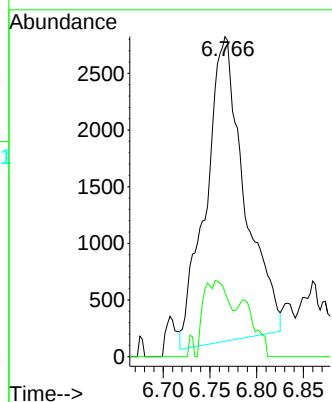


#25
2-Butanone
Concen: 2.07 ug/l
RT: 6.766 min Scan# 1868
Delta R.T. 0.019 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

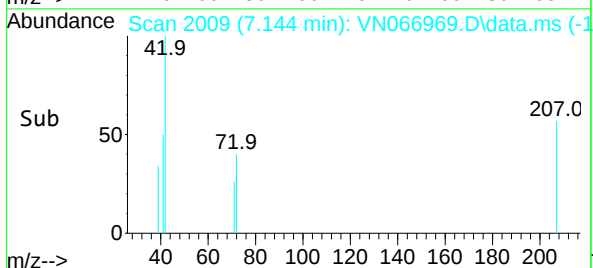
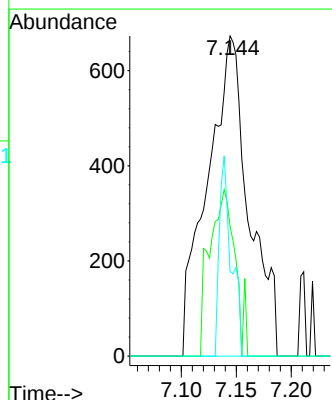
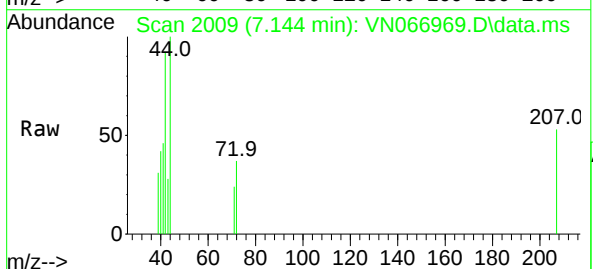


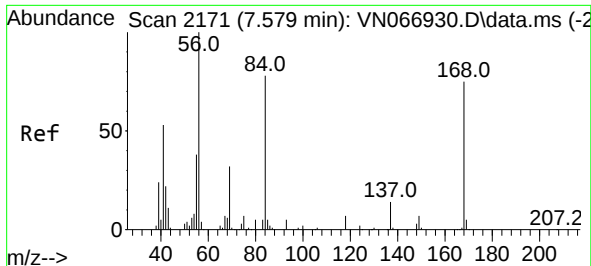
Tgt Ion: 43 Resp: 7724
Ion Ratio Lower Upper
43 100
72 21.8 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.72 ug/l
RT: 7.144 min Scan# 2009
Delta R.T. 0.013 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

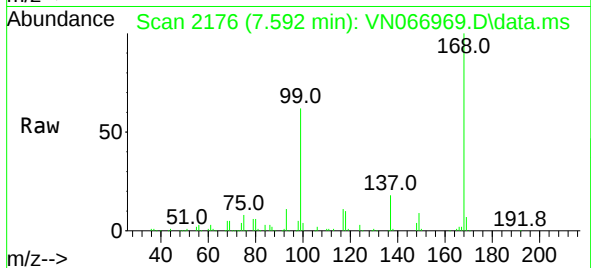
Tgt Ion: 42 Resp: 1771
Ion Ratio Lower Upper
42 100
72 31.8 36.6 55.0#
71 18.1 34.3 51.5#



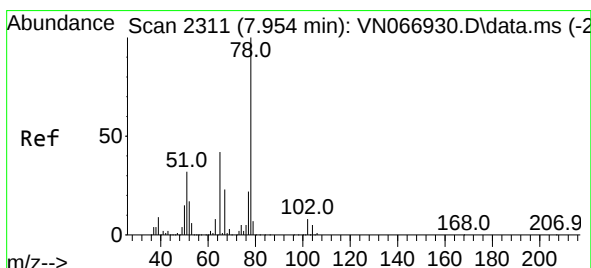
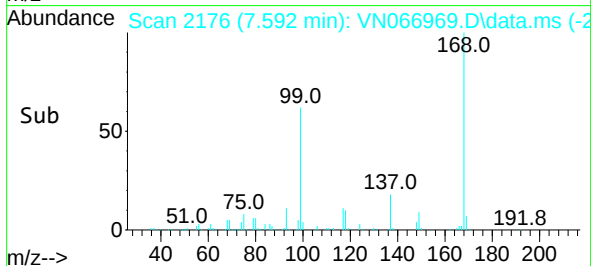
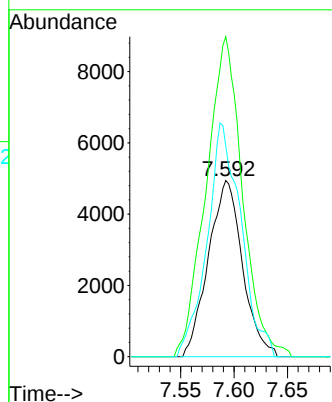


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

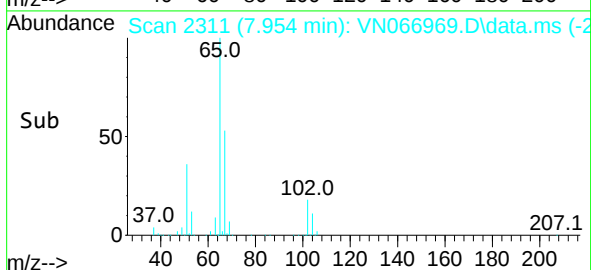
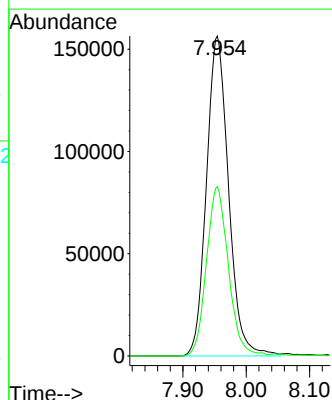
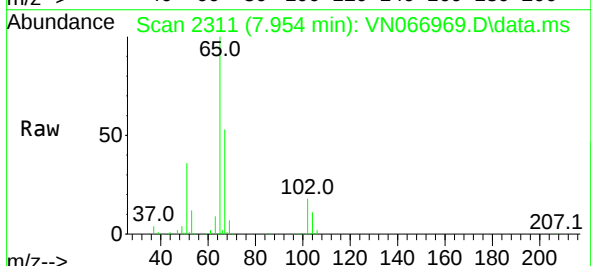


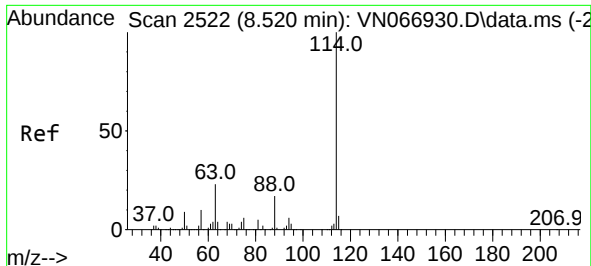
Tgt Ion: 56 Resp: 10983
Ion Ratio Lower Upper
56 100
69 176.1 26.6 39.8#
84 119.6 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.81 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

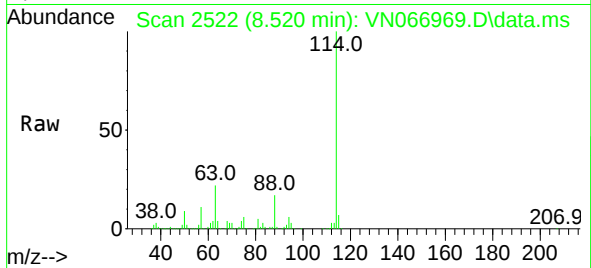
Tgt Ion: 65 Resp: 379159
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2



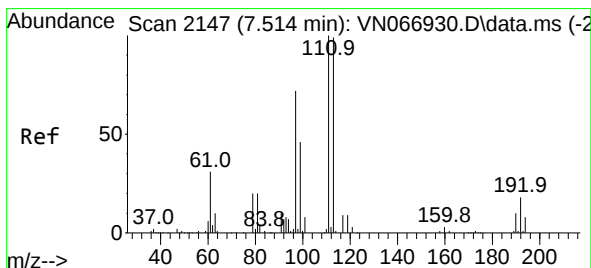
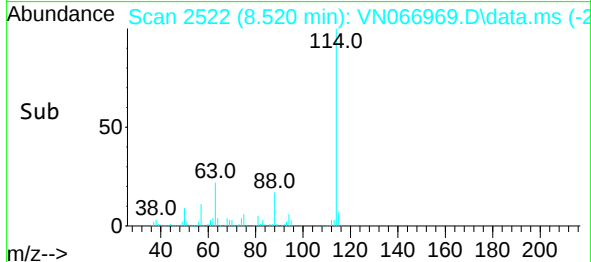
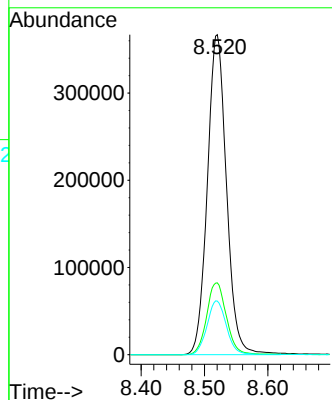


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.520 min Scan# 2522
 Delta R.T. 0.000 min
 Lab File: VN066969.D
 Acq: 5 May 2021 5:33

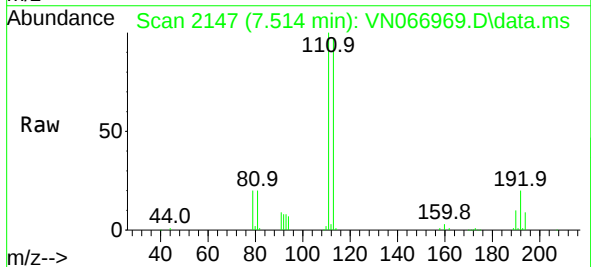
Instrument :
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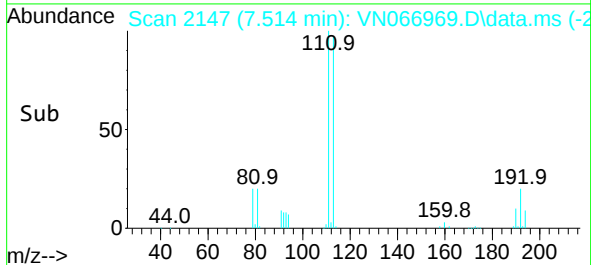
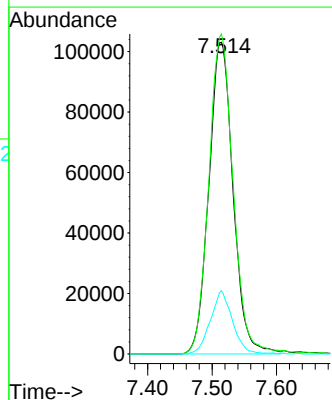
Tgt Ion:	114	Resp:	769319
Ion Ratio	Lower	Upper	
114	100		
63	22.5	0.0	38.6
88	16.8	0.0	30.6

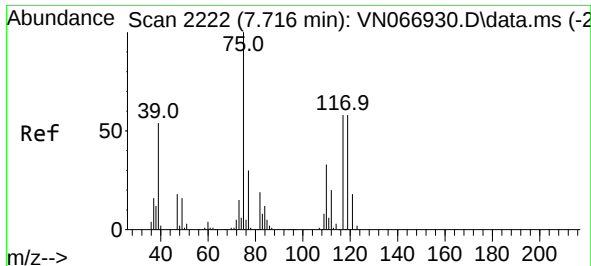


#35
 Dibromofluoromethane
 Concen: 51.52 ug/l
 RT: 7.514 min Scan# 2147
 Delta R.T. 0.000 min
 Lab File: VN066969.D
 Acq: 5 May 2021 5:33



Tgt Ion:	113	Resp:	269124
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.2	123.2
192	18.4	15.4	23.0

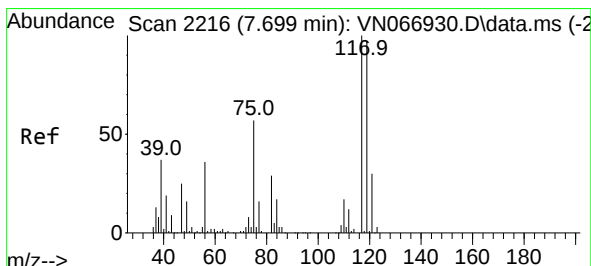
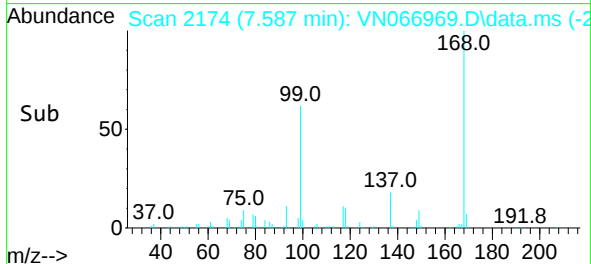
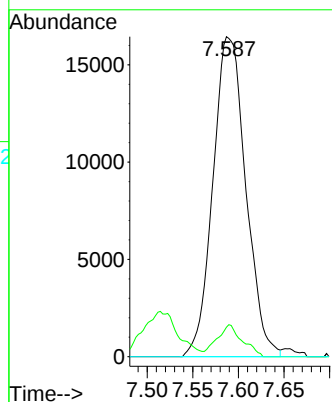
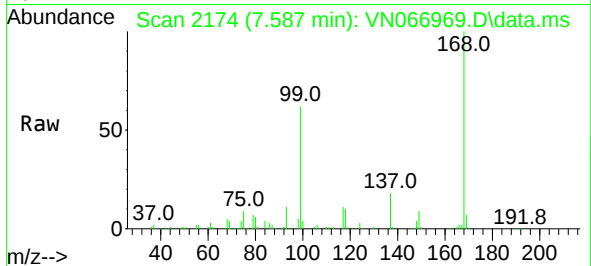




#36
1,1-Dichloropropene
Concen: 5.15 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

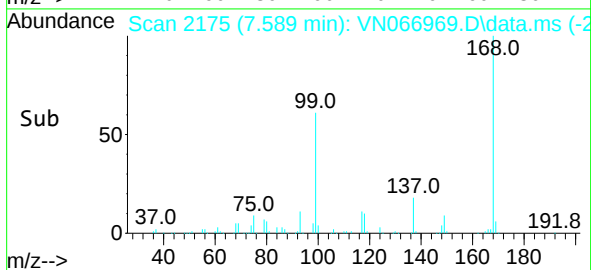
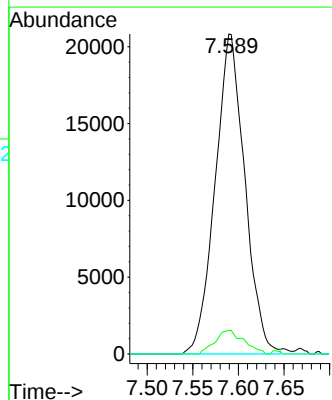
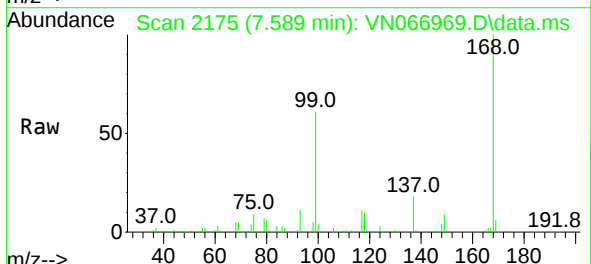
Instrument :
MSVOA_N
ClientSampled :

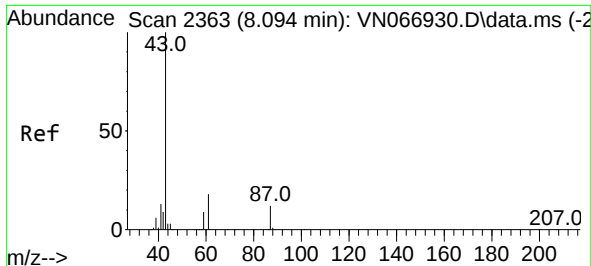
Tgt Ion: 75 Resp: 41272
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.63 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.110 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

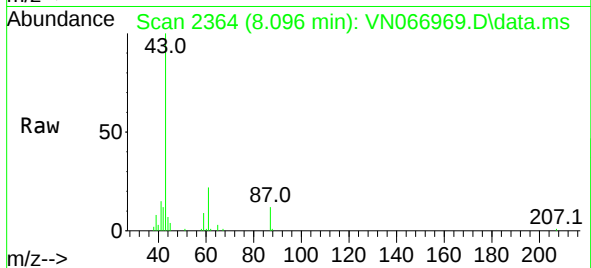
Tgt Ion: 117 Resp: 47043
Ion Ratio Lower Upper
117 100
119 7.3 76.0 114.0#
121 0.0 24.5 36.7#



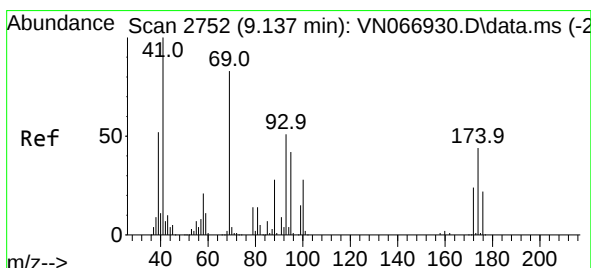
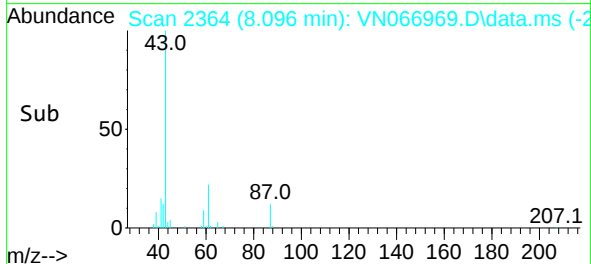
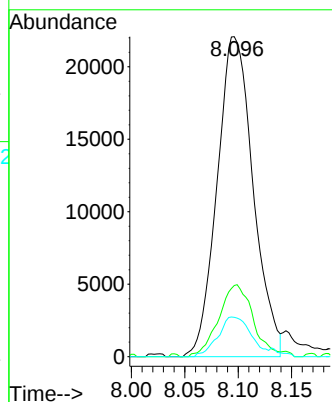


#43
Isopropyl Acetate
Concen: 3.91 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

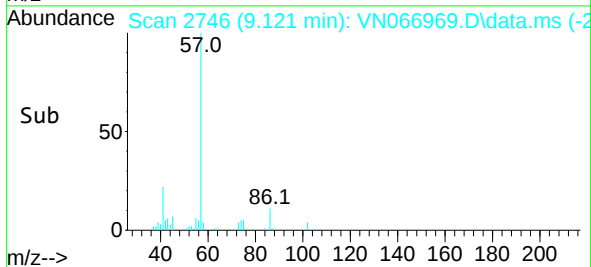
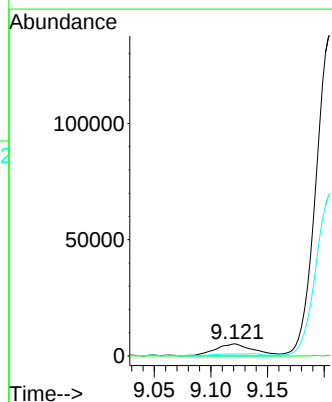
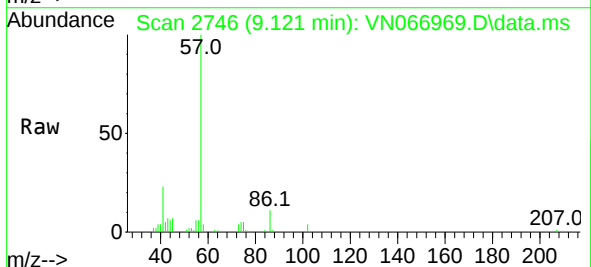


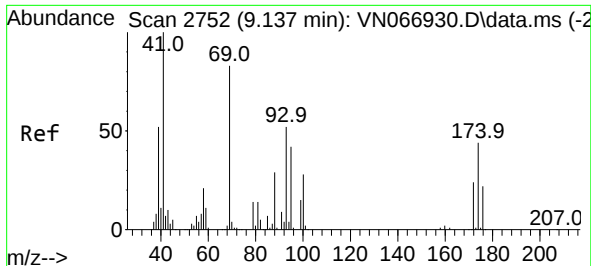
Tgt Ion: 43 Resp: 51861
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 11.3 11.1 16.7



#48
Methyl methacrylate
Concen: 2.11 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

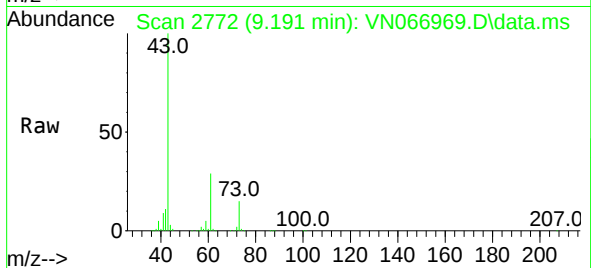
Tgt Ion: 41 Resp: 12402
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



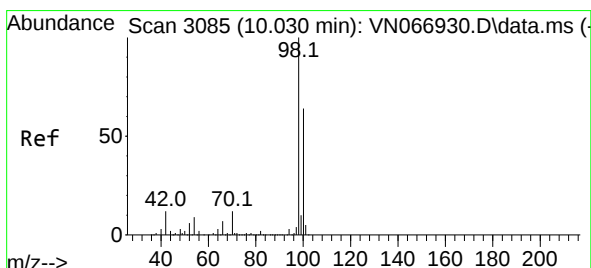
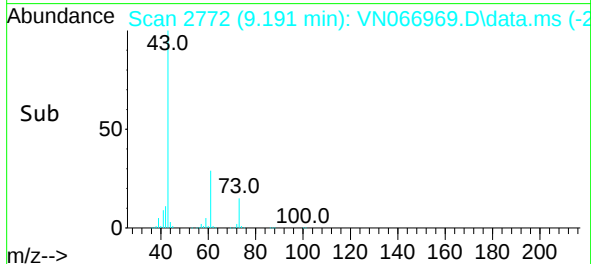
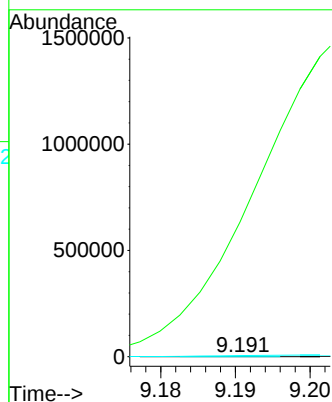


#49
1,4-Dioxane
Concen: 0.86 ug/l
RT: 9.191 min Scan# 2772
Delta R.T. 0.054 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

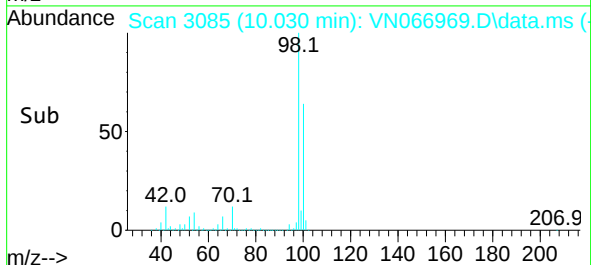
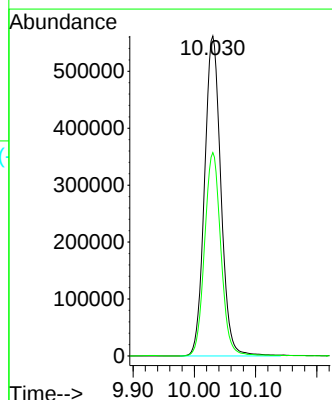
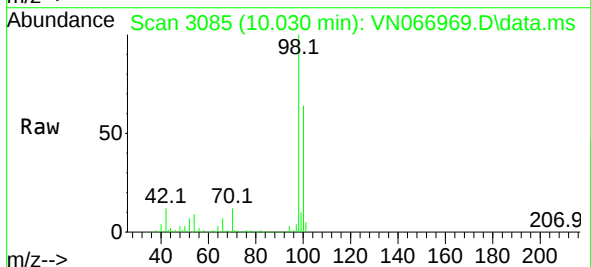


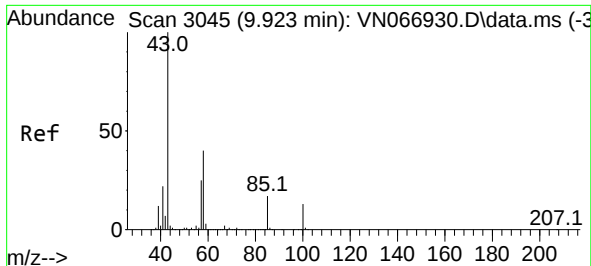
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 52.37 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 98 Resp: 1041903
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7

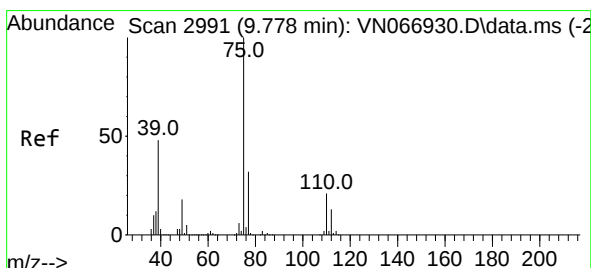
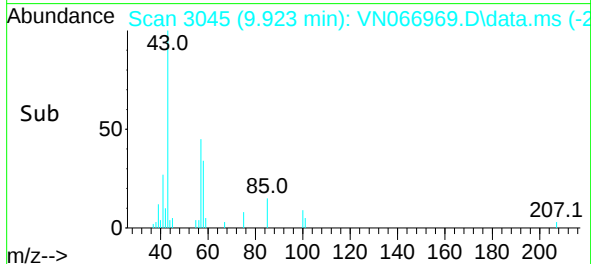
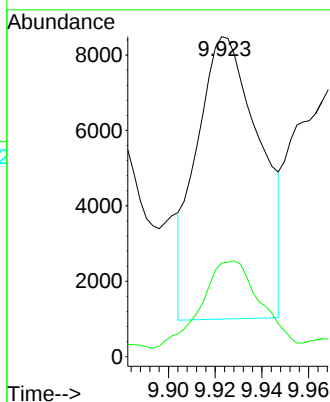
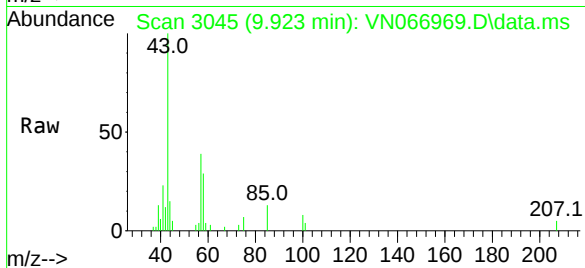




#51
4-Methyl-2-Pentanone
Concen: 1.82 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

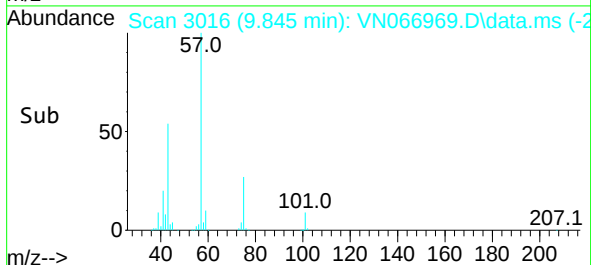
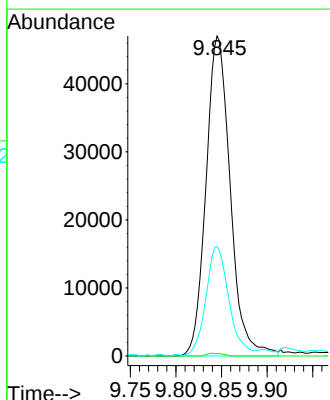
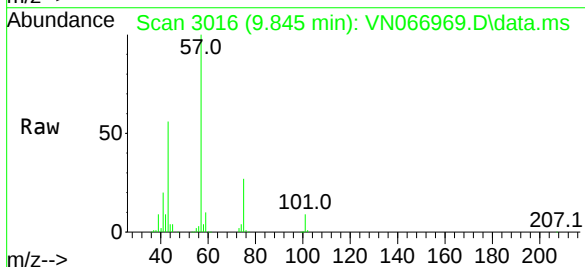
Instrument :
MSVOA_N
ClientSampled :

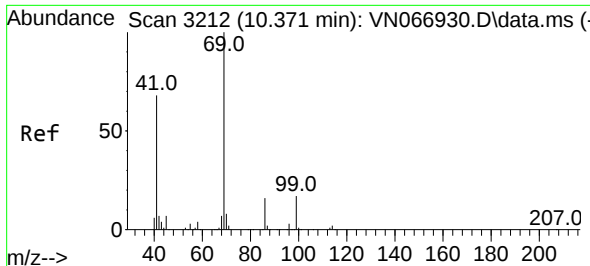
Tgt Ion: 43 Resp: 13980
Ion Ratio Lower Upper
43 100
58 29.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.24 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 75 Resp: 86914
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 33.8 36.2 54.4#

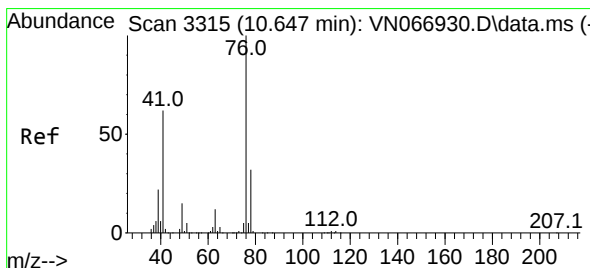
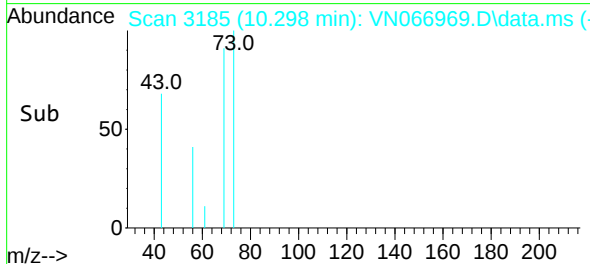
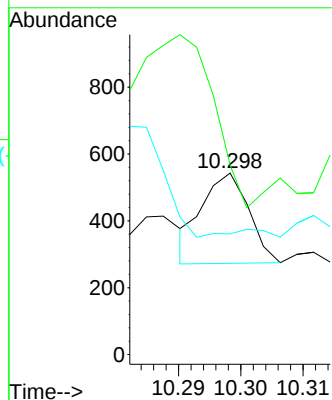
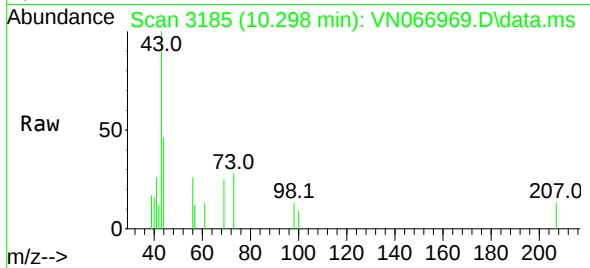




#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.298 min Scan# 3185
Delta R.T. -0.073 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

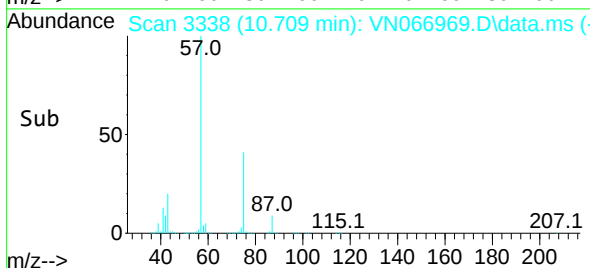
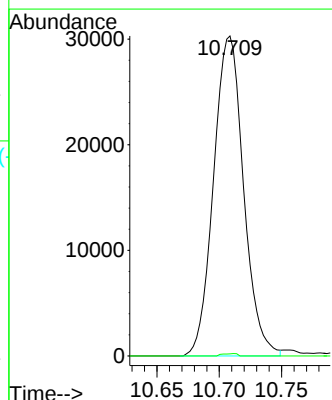
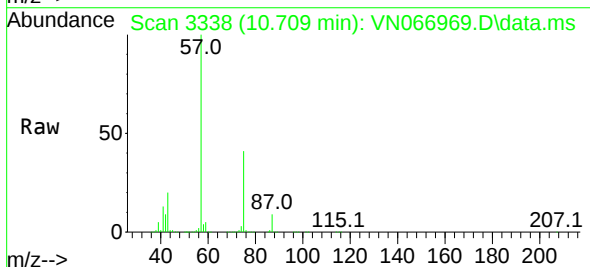
Instrument :
MSVOA_N
ClientSampleId :

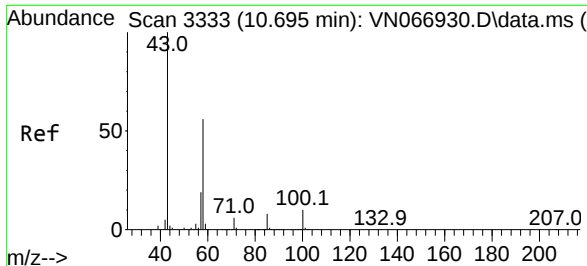
Tgt Ion: 69 Resp: 141
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.88 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 76 Resp: 50752
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

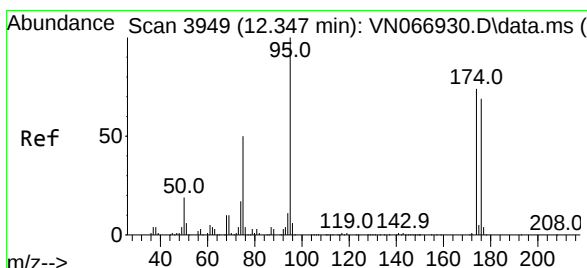
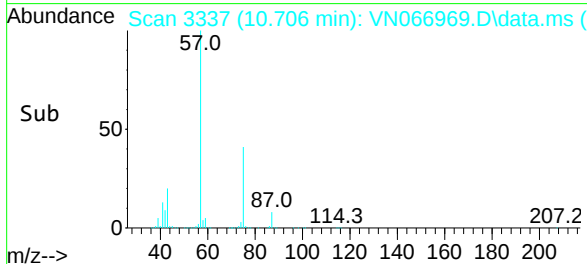
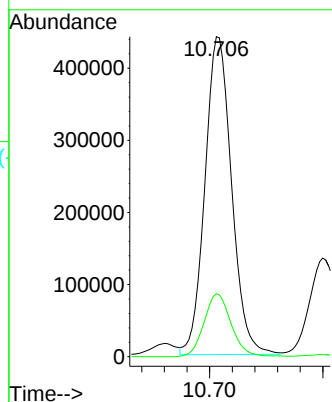
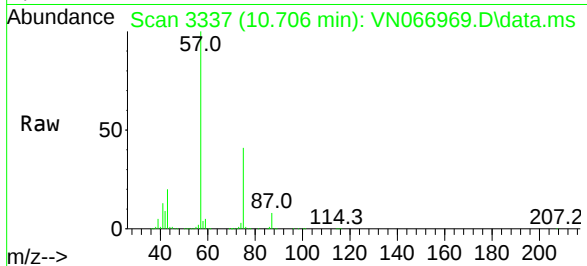




#59
2-Hexanone
Concen: 142.45 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

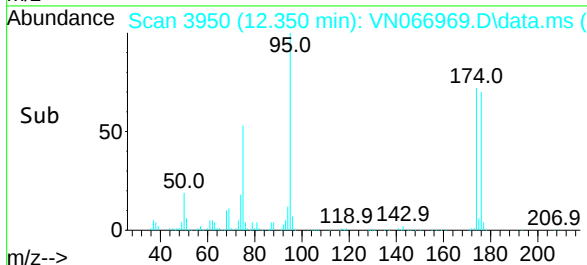
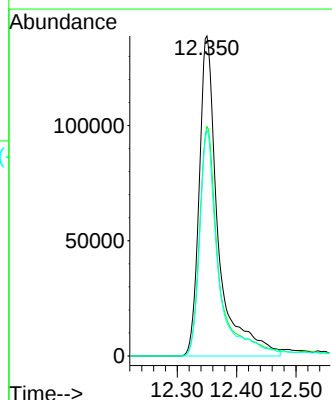
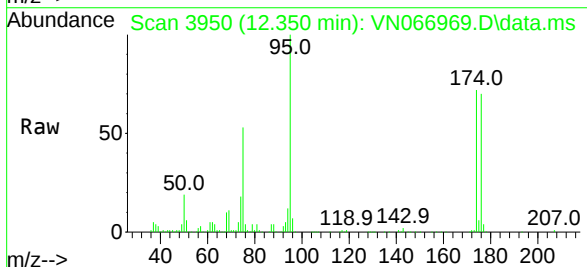
Instrument :
MSVOA_N
ClientSampled :

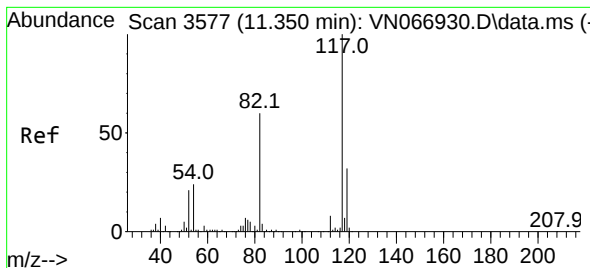
Tgt Ion: 43 Resp: 720591
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.98 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 95 Resp: 309745
Ion Ratio Lower Upper
95 100
174 73.4 0.0 169.0
176 70.4 0.0 162.4

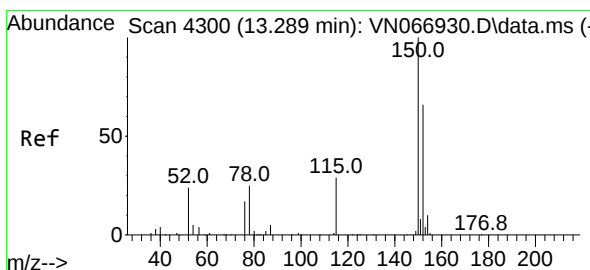
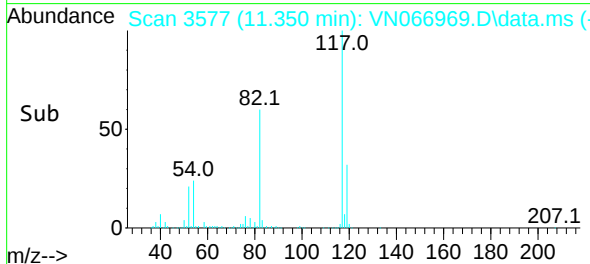
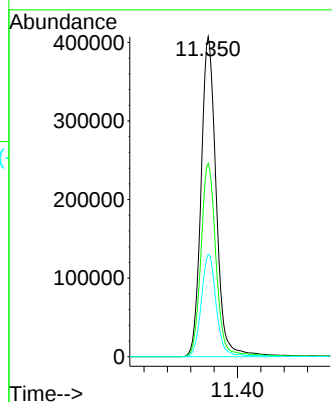
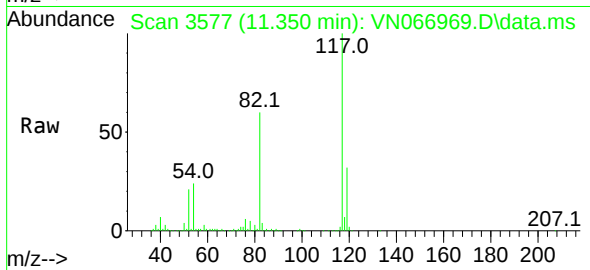




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

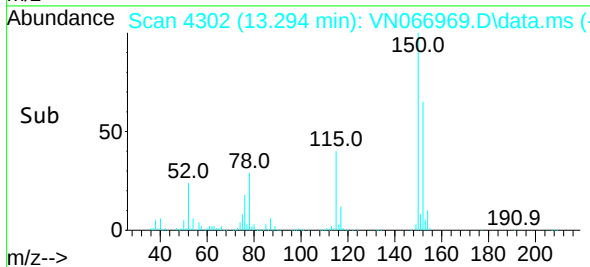
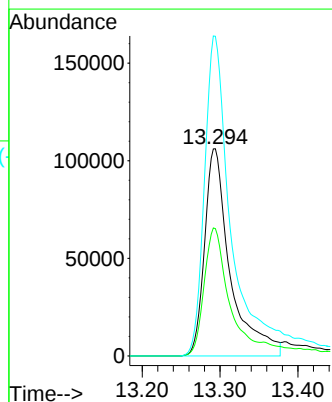
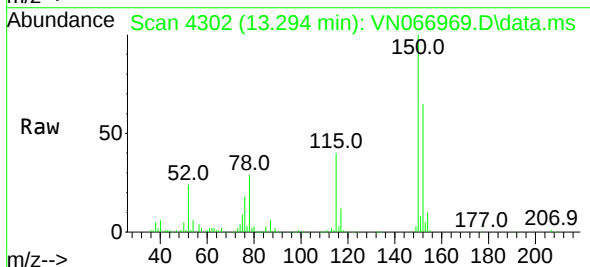
Instrument :
MSVOA_N
ClientSampleId :

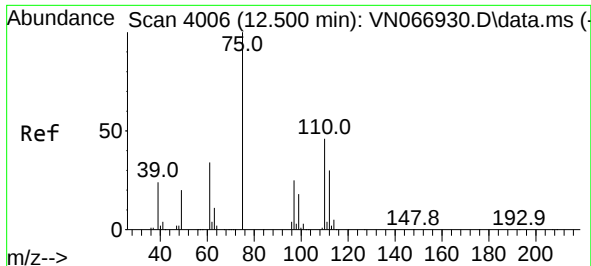
Tgt Ion:117 Resp: 732991
Ion Ratio Lower Upper
117 100
82 60.4 43.7 65.5
119 32.0 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion:152 Resp: 244255
Ion Ratio Lower Upper
152 100
115 59.2 28.5 85.6
150 170.5 0.0 347.6

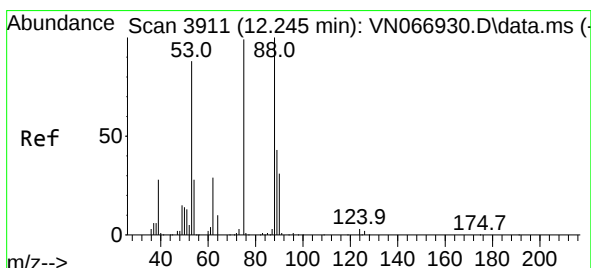
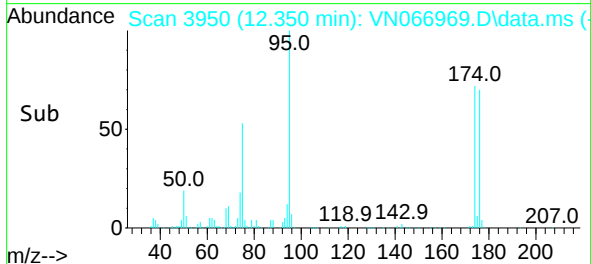
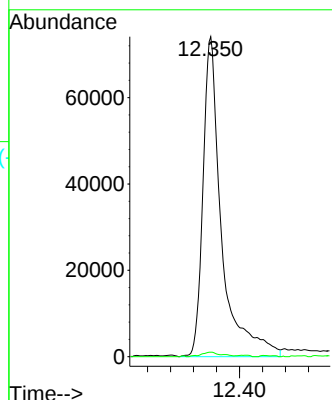
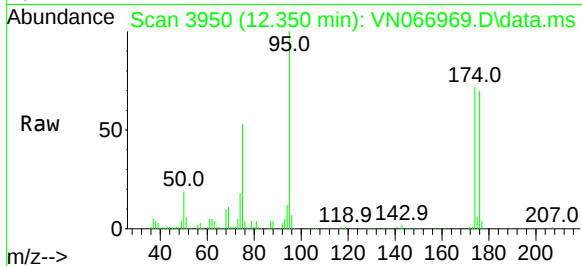




#76
1,2,3-Trichloropropane
Concen: 28.58 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

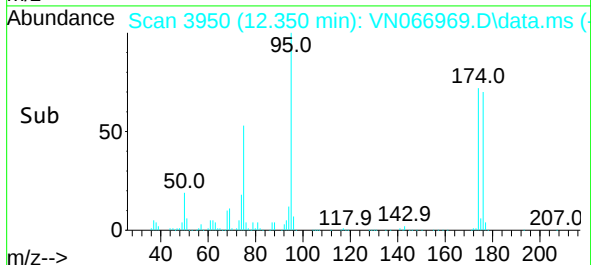
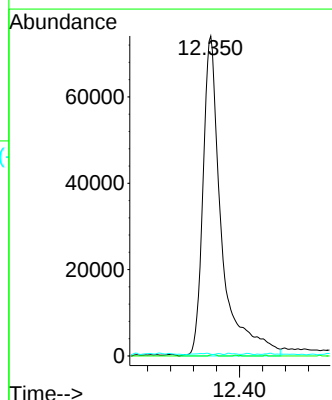
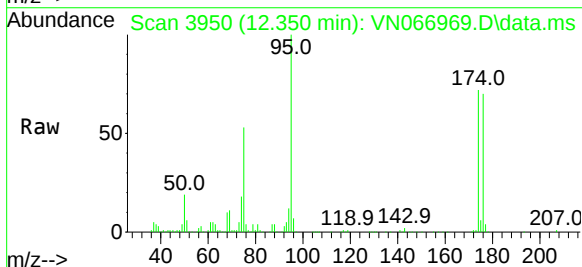
Instrument :
MSVOA_N
ClientSampled :

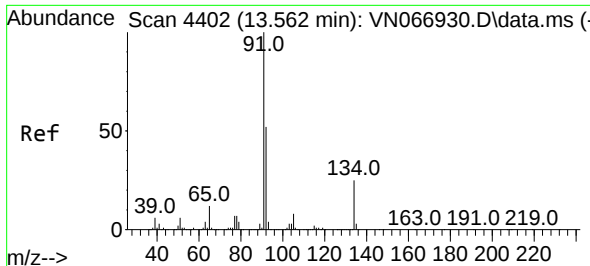
Tgt Ion: 75 Resp: 166282
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.20 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 75 Resp: 166282
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#

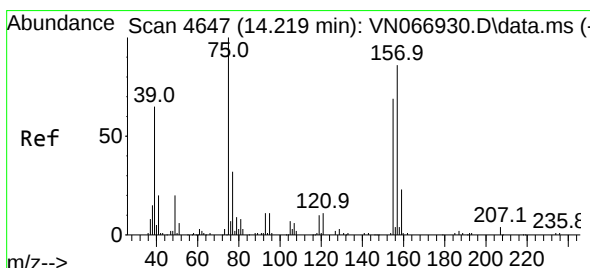
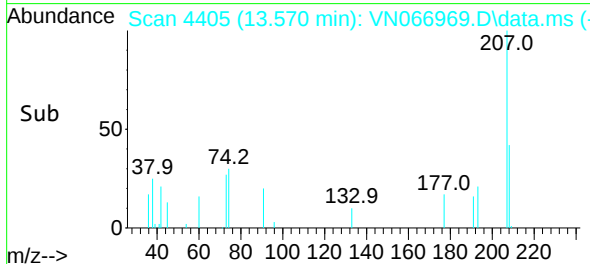
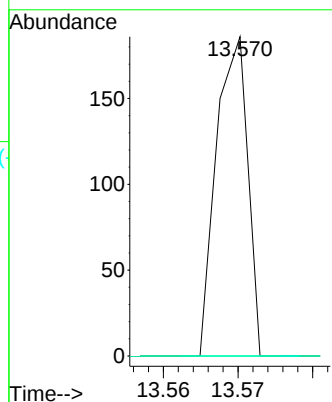
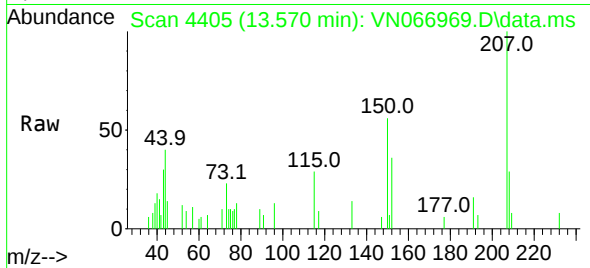




#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.570 min Scan# 4405
Delta R.T. 0.008 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 54
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: 0.28 ug/l
RT: 14.203 min Scan# 4641
Delta R.T. -0.016 min
Lab File: VN066969.D
Acq: 5 May 2021 5:33

Tgt Ion: 75 Resp: 327
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

