

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066963.D
 Acq On : 5 May 2021 3:09
 Operator : JC/MD
 Sample : M2256-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:49:43 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)

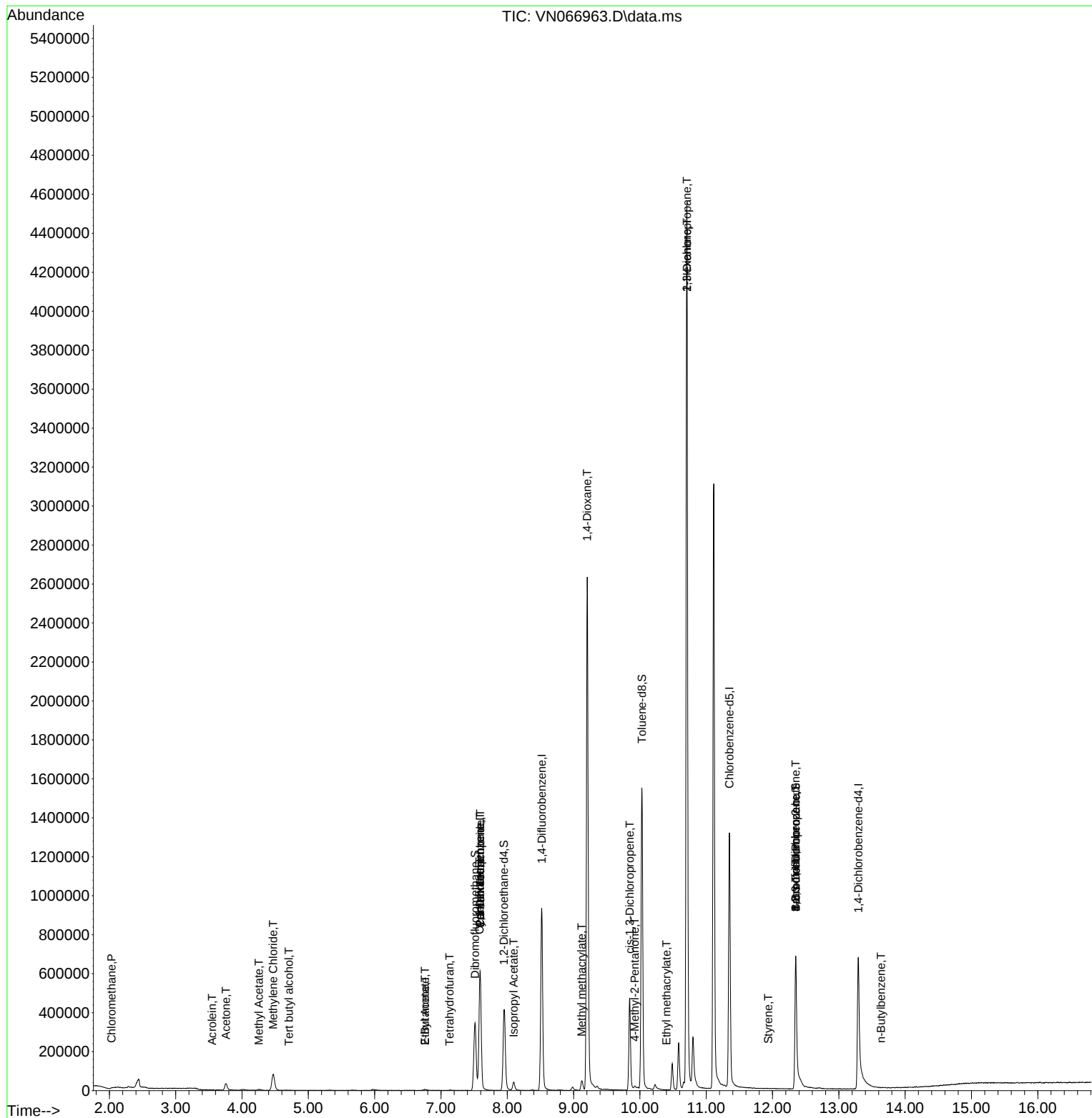
Internal Standards						
1) Pentafluorobenzene	7.589	168	462591	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.520	114	787534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	748206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	269668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.951	65	381645	52.41	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.82%			
35) Dibromofluoromethane	7.514	113	270178	50.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.04%			
50) Toluene-d8	10.030	98	1053706	51.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.48%			
62) 4-Bromofluorobenzene	12.350	95	316248	45.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.72%			
Target Compounds						
						Qvalue
3) Chloromethane	2.032	50	2054	0.23	ug/l	# 87
11) Tert butyl alcohol	4.706	59	543	0.53	ug/l	# 73
13) Acrolein	3.550	56	947	1.11	ug/l	# 66
16) Acetone	3.757	43	56303	21.98	ug/l	94
18) Methyl Acetate	4.253	43	4335	0.59	ug/l	# 71
20) Methylene Chloride	4.470	84	60252	9.27	ug/l	91
25) 2-Butanone	6.758	43	7980	2.11	ug/l	95
29) Tetrahydrofuran	7.131	42	819	0.33	ug/l	# 83
31) Cyclohexane	7.584	56	5438	0.53	ug/l	# 1
36) 1,1-Dichloropropene	7.589	75	40849	4.98	ug/l	# 48
37) Ethyl Acetate	6.758	43	7980	0.95	ug/l	# 68
38) Carbon Tetrachloride	7.592	117	47636	5.57	ug/l	# 16
43) Isopropyl Acetate	8.096	43	50240	3.70	ug/l	# 91
48) Methyl methacrylate	9.121	41	13105	2.18	ug/l	# 10
49) 1,4-Dioxane	9.204	88	242	2.54	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.923	43	11546	1.47	ug/l	90
54) cis-1,3-Dichloropropene	9.845	75	86543	8.01	ug/l	# 64
56) Ethyl methacrylate	10.400	69	198	5.21	ug/l	# 27
57) 1,3-Dichloropropane	10.709	76	46117	4.33	ug/l	# 43
59) 2-Hexanone	10.709	43	661123	130.62	ug/l	# 50
70) Styrene	11.937	104	24	4.71	ug/l	# 26
71) Bromoform	12.350	173	1873	0.42	ug/l	# 1
76) 1,2,3-Trichloropropane	12.350	75	160125	24.93	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.350	75	159723	74.85	ug/l	# 12
89) n-Butylbenzene	13.635	91	88	5.25	ug/l	# 34

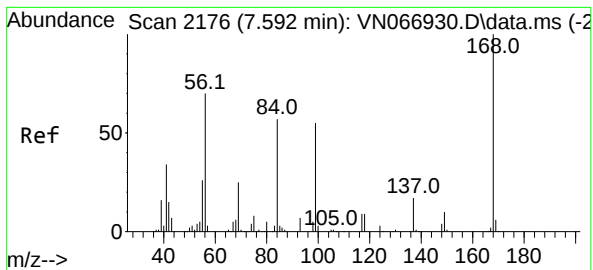
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

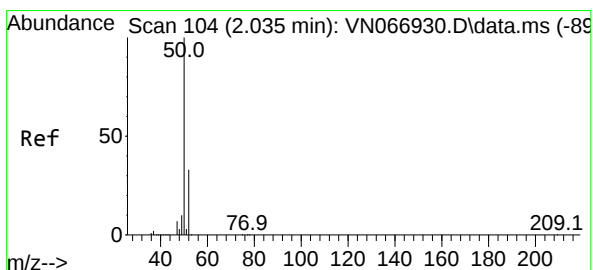
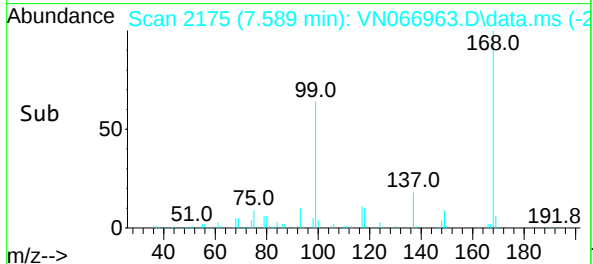
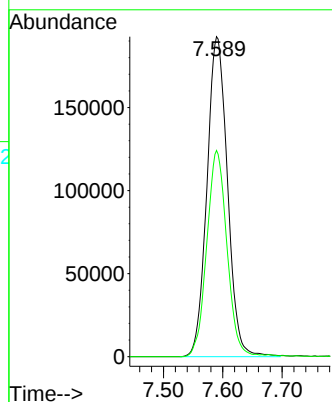
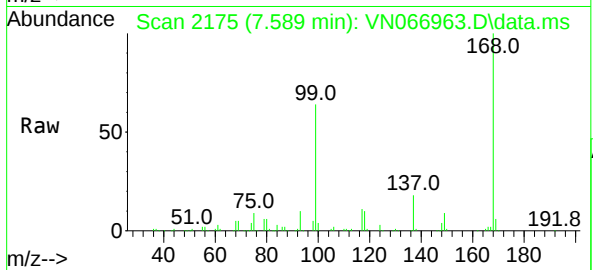




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

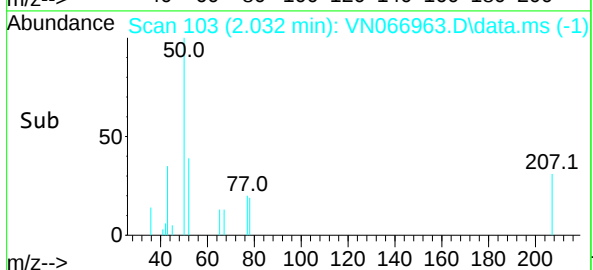
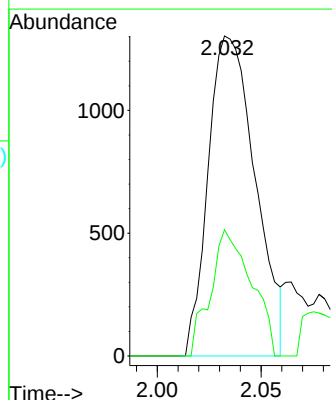
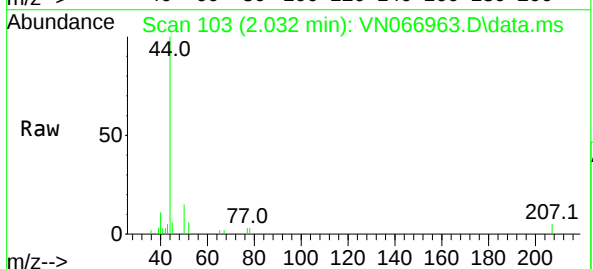
Instrument :
MSVOA_N
ClientSampleId :

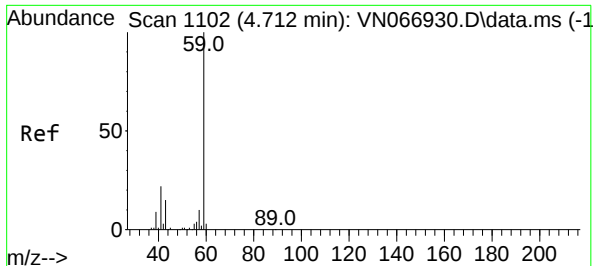
Tgt Ion:168 Resp: 462591
Ion Ratio Lower Upper
168 100
99 64.5 42.6 63.8#



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion: 50 Resp: 2054
Ion Ratio Lower Upper
50 100
52 39.4 25.8 38.8#



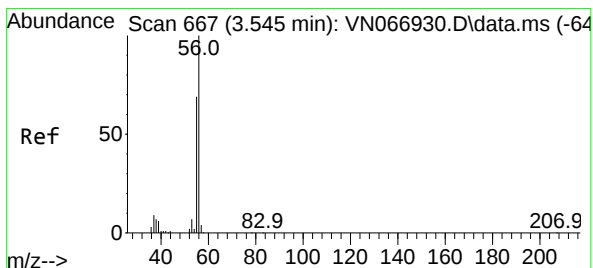
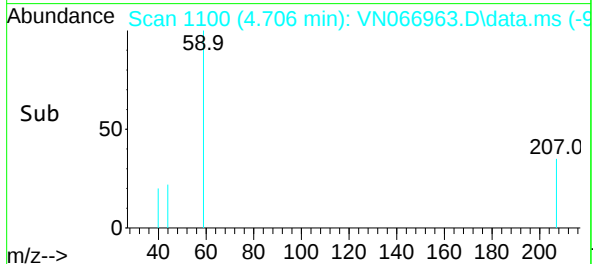
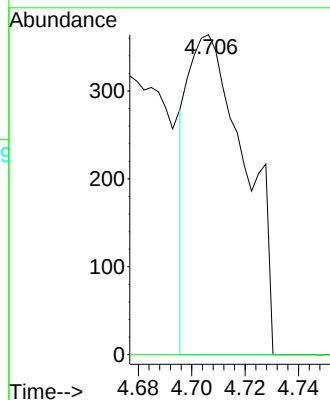
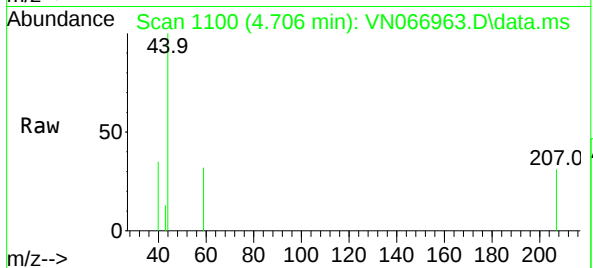


#11

Tert butyl alcohol
Concen: 0.53 ug/l
RT: 4.706 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Instrument :
MSVOA_N
ClientSampled :

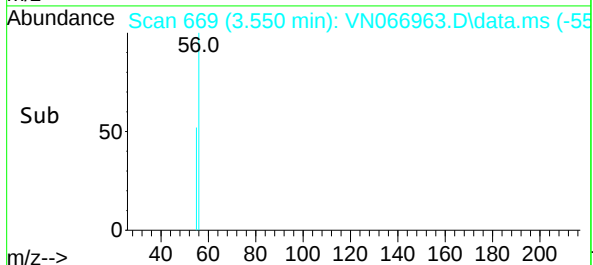
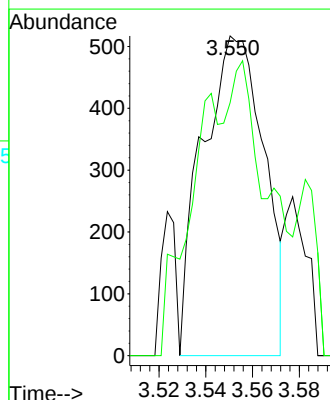
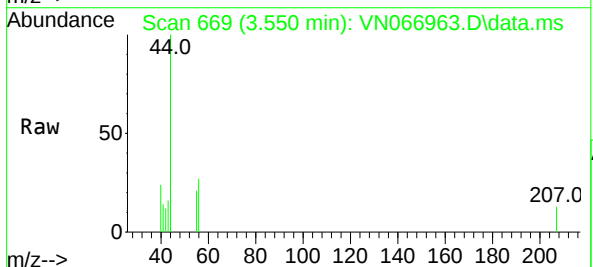
Tgt Ion: 59 Resp: 543
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

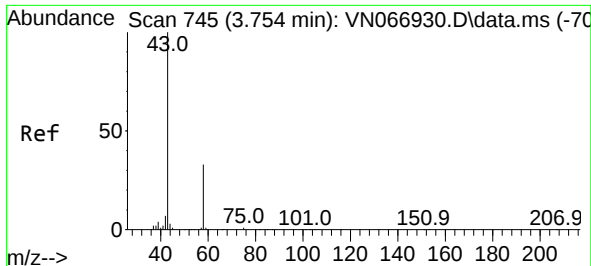


#13

Acrolein
Concen: 1.11 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

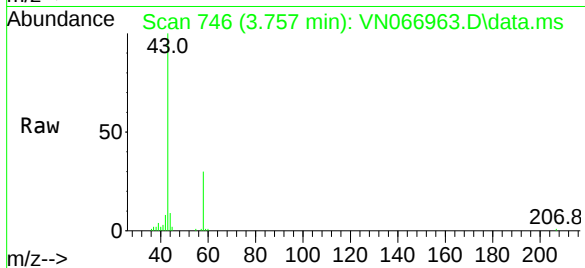
Tgt Ion: 56 Resp: 947
Ion Ratio Lower Upper
56 100
55 41.7 56.0 84.0#



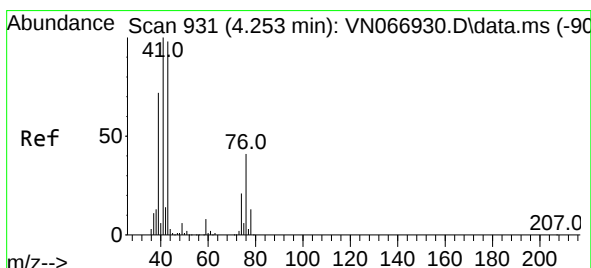
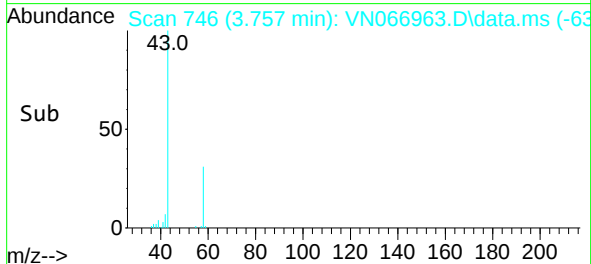
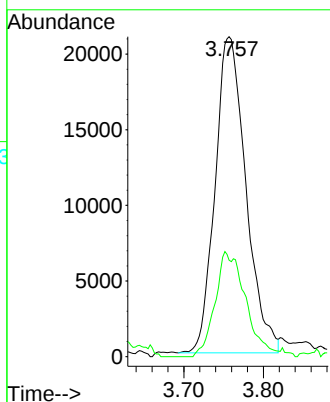


#16
Acetone
Concen: 21.98 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Instrument :
MSVOA_N
ClientSampled :

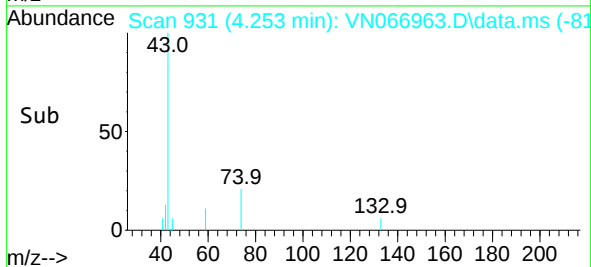
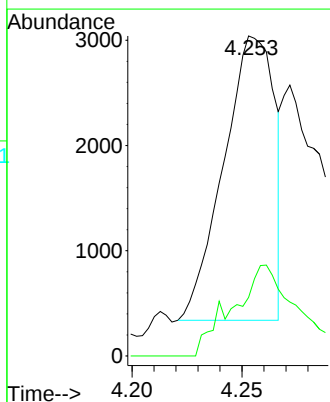
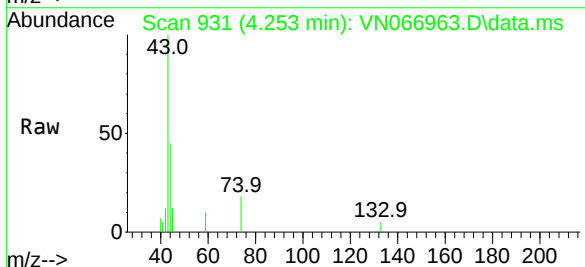


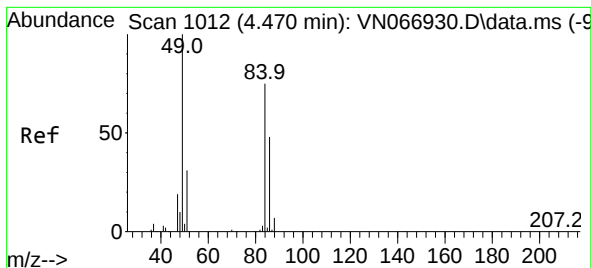
Tgt Ion: 43 Resp: 56303
Ion Ratio Lower Upper
43 100
58 30.5 27.0 40.6



#18
Methyl Acetate
Concen: 0.59 ug/l
RT: 4.253 min Scan# 931
Delta R.T. 0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

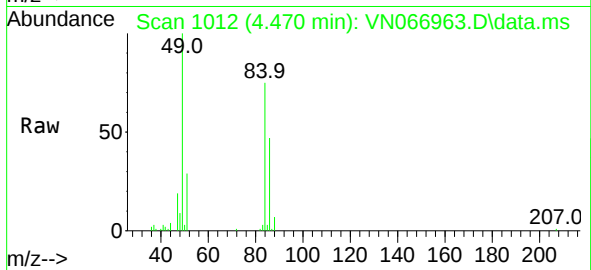
Tgt Ion: 43 Resp: 4335
Ion Ratio Lower Upper
43 100
74 39.0 19.5 29.3#



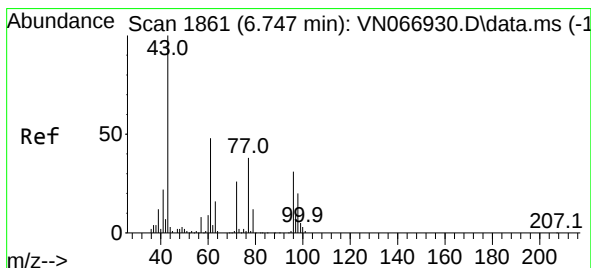
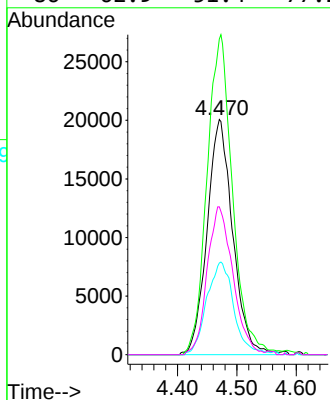
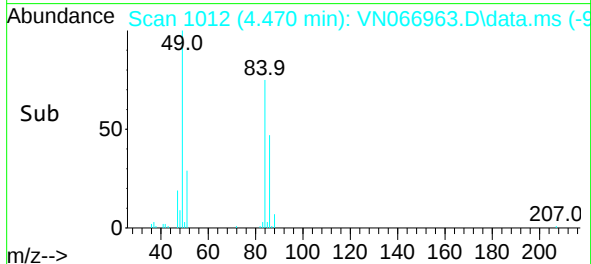


#20
Methylene Chloride
Concen: 9.27 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

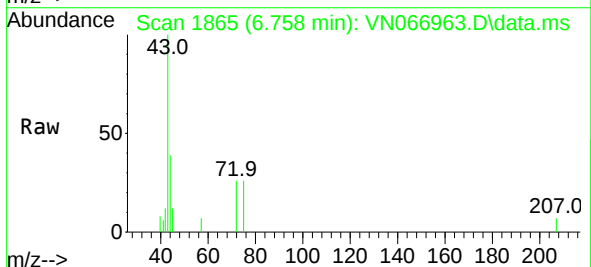
Instrument :
MSVOA_N
ClientSampled :



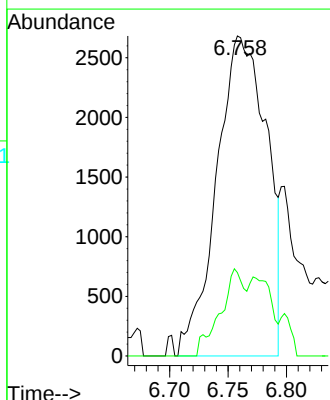
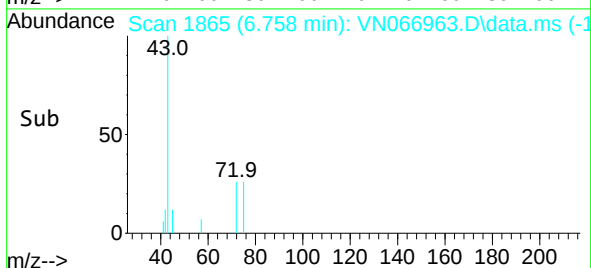
Tgt Ion:	84	Resp:	60252
Ion	Ratio	Lower	Upper
84	100		
49	134.2	94.6	141.8
51	39.0	29.9	44.9
86	62.9	51.4	77.2

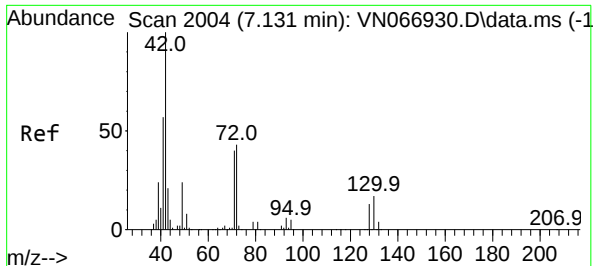


#25
2-Butanone
Concen: 2.11 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09



Tgt Ion:	43	Resp:	7980
Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.1	34.7

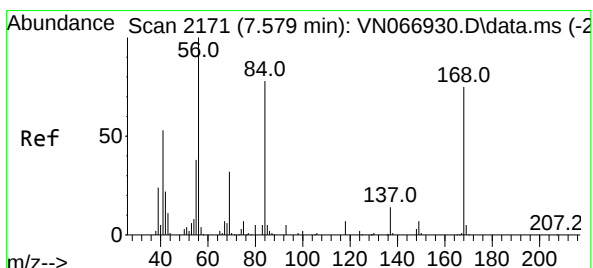
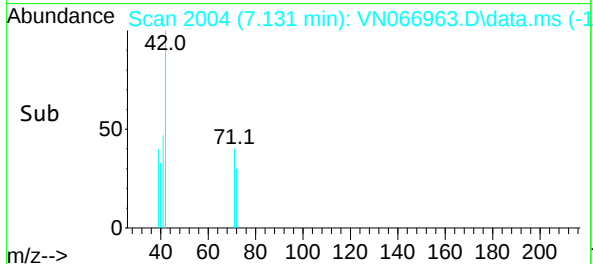
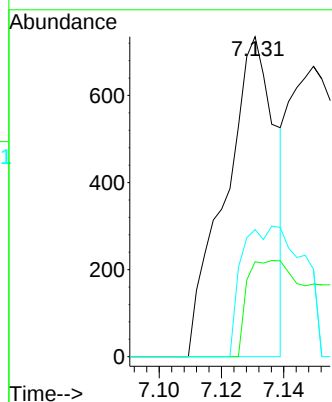
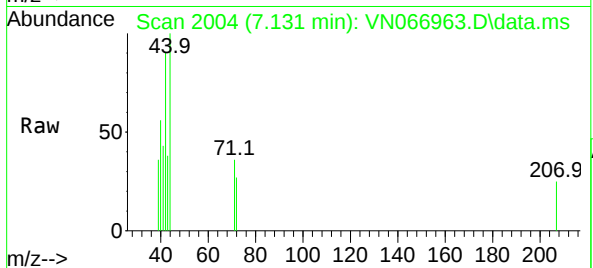




#29
Tetrahydrofuran
Concen: 0.33 ug/l
RT: 7.131 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

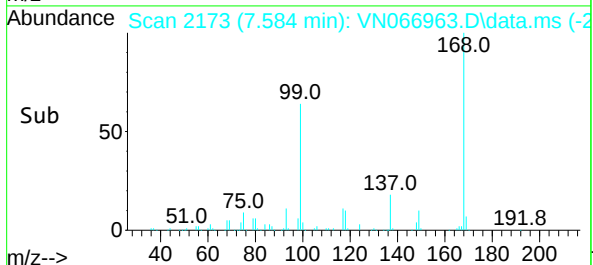
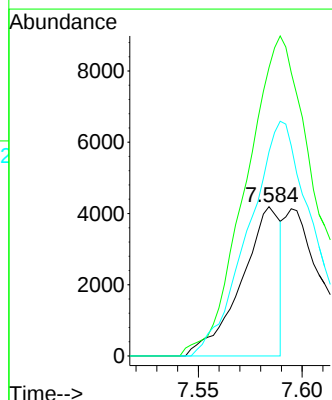
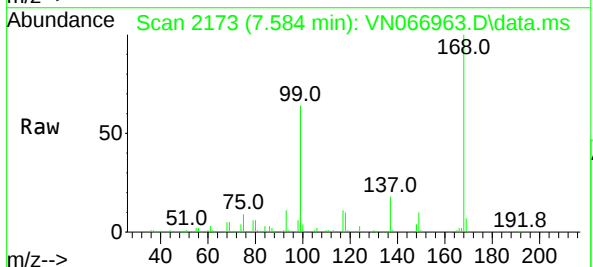
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MSVOA_N
ClientSampleId :

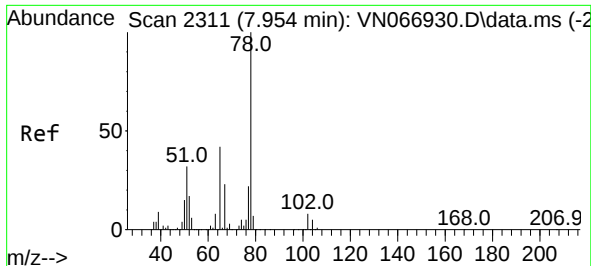
Tgt Ion: 42 Resp: 819
Ion Ratio Lower Upper
42 100
72 30.9 36.6 55.0#
71 50.1 34.3 51.5



#31
Cyclohexane
Concen: 0.53 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. 0.005 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion: 56 Resp: 5438
Ion Ratio Lower Upper
56 100
69 193.1 26.6 39.8#
84 136.7 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 52.41 ug/l

RT: 7.951 min Scan# 2310

Delta R.T. -0.003 min

Lab File: VN066963.D

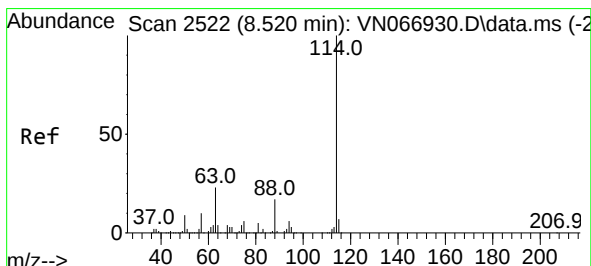
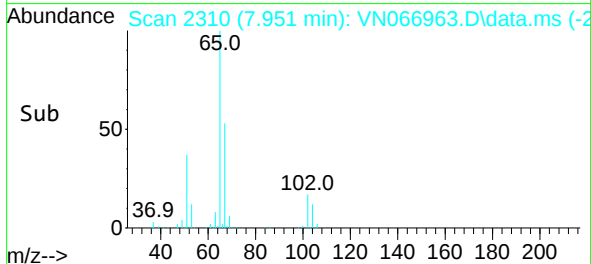
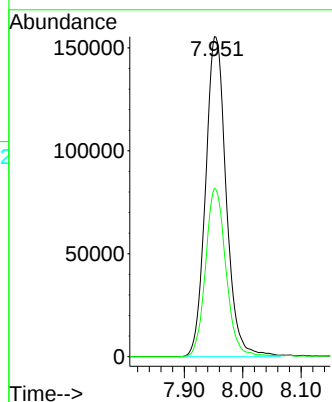
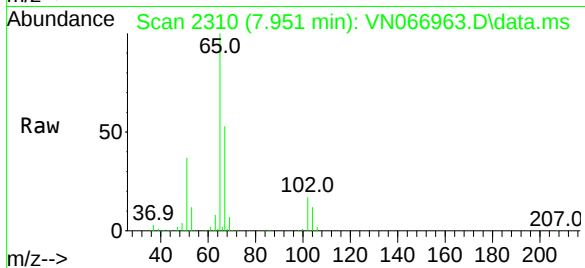
Acq: 5 May 2021 3:09

Tgt Ion: 65 Resp: 381645

Ion Ratio Lower Upper

65 100

67 51.7 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: VN066963.D

Acq: 5 May 2021 3:09

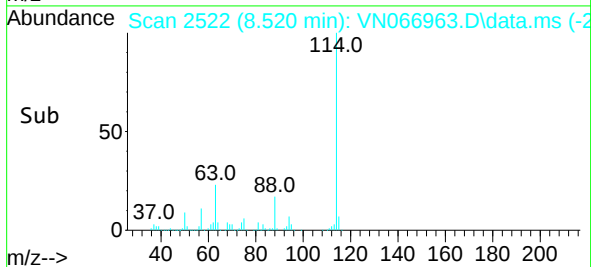
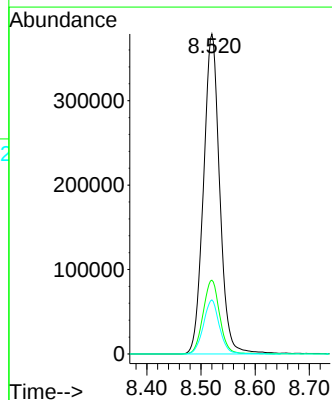
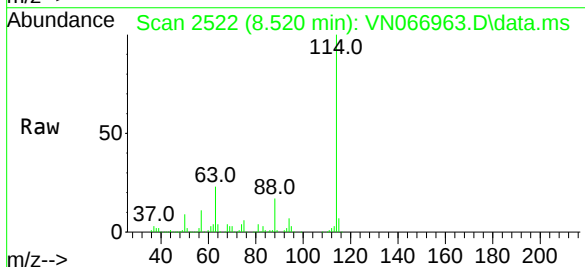
Tgt Ion: 114 Resp: 787534

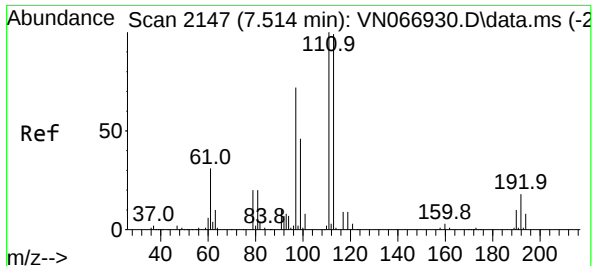
Ion Ratio Lower Upper

114 100

63 23.0 0.0 38.6

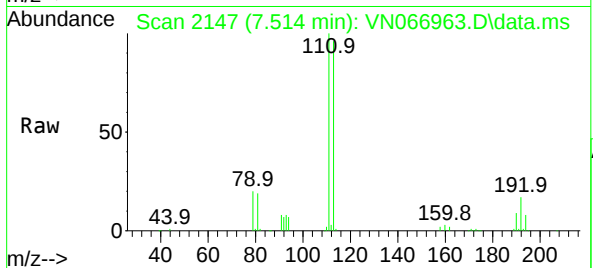
88 16.9 0.0 30.6



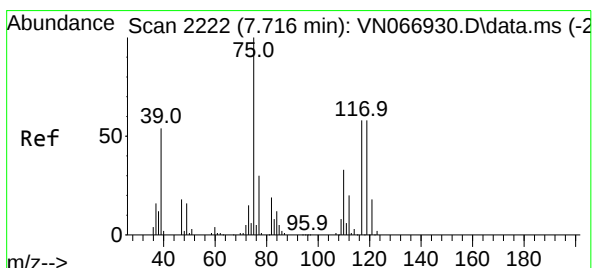
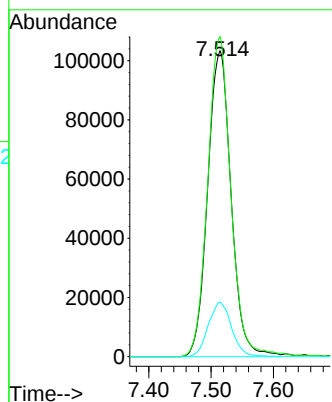
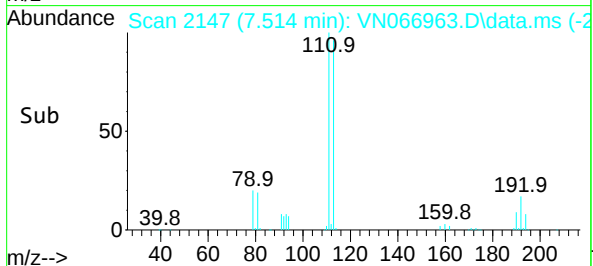


#35
Dibromofluoromethane
Concen: 50.52 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

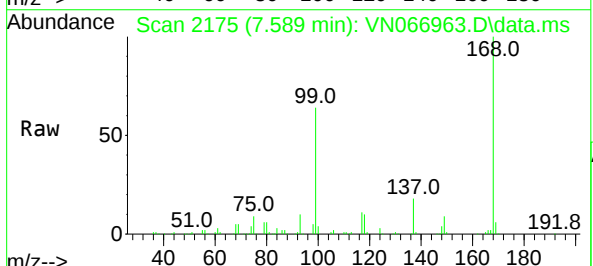
Instrument :
MSVOA_N
ClientSampled :



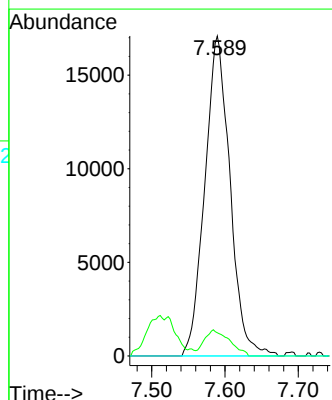
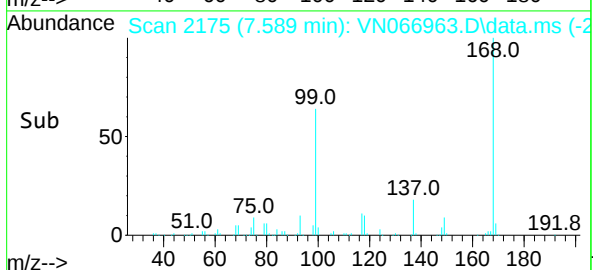
Tgt Ion: 113 Resp: 270178
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 17.7 15.4 23.0

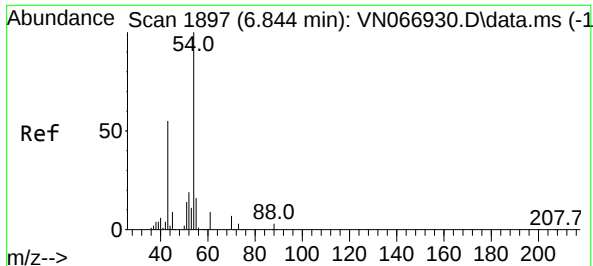


#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09



Tgt Ion: 75 Resp: 40849
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.95 ug/l

RT: 6.758 min Scan# 1865

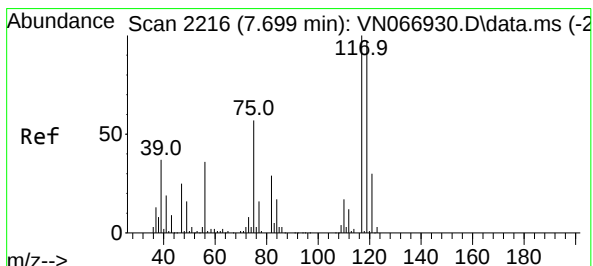
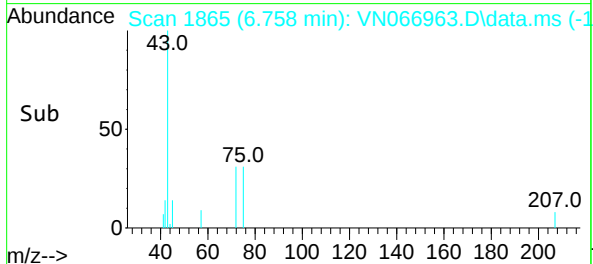
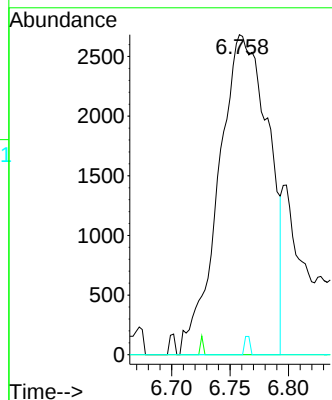
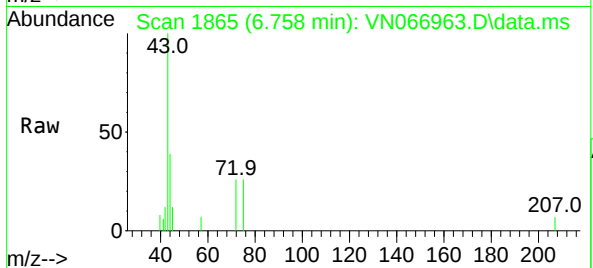
Delta R.T. -0.086 min

Lab File: VN066963.D

Acq: 5 May 2021 3:09

Tgt Ion:	43	Resp:	7980
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.6	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.57 ug/l

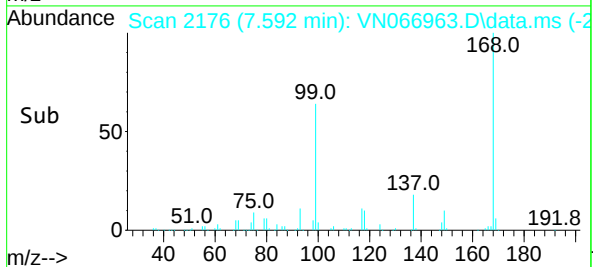
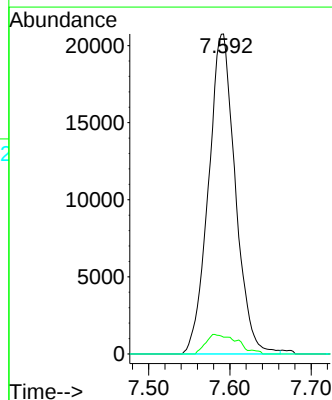
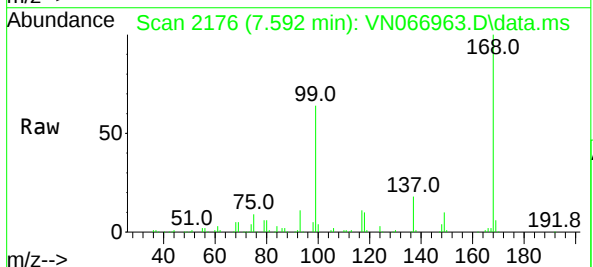
RT: 7.592 min Scan# 2176

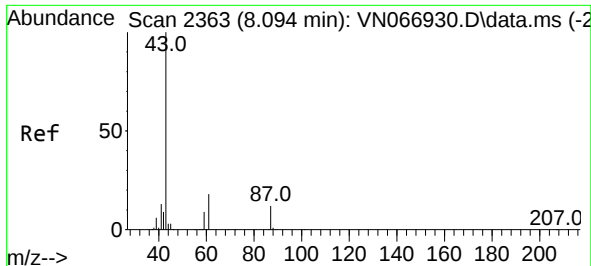
Delta R.T. -0.107 min

Lab File: VN066963.D

Acq: 5 May 2021 3:09

Tgt Ion:	117	Resp:	47636
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.0	114.0#
121	0.0	24.5	36.7#

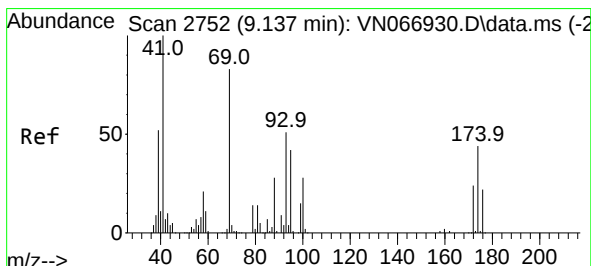
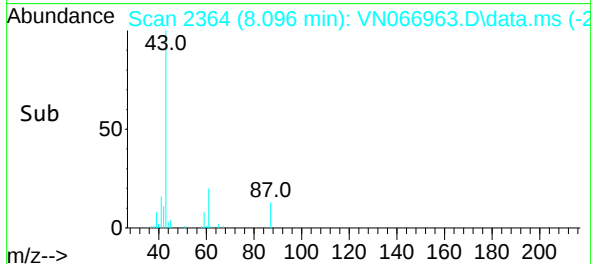
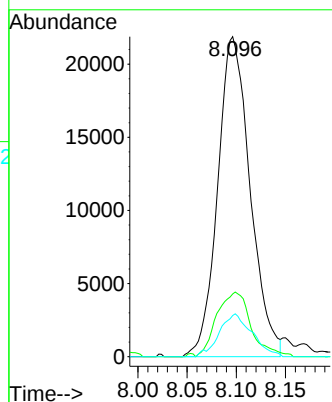
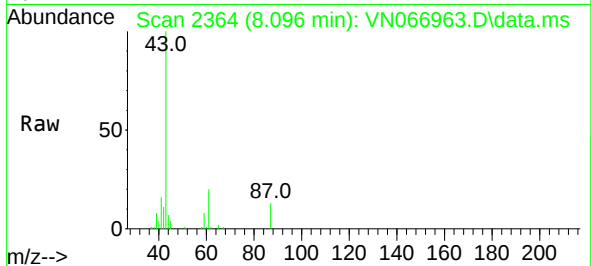




#43
Isopropyl Acetate
Concen: 3.70 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

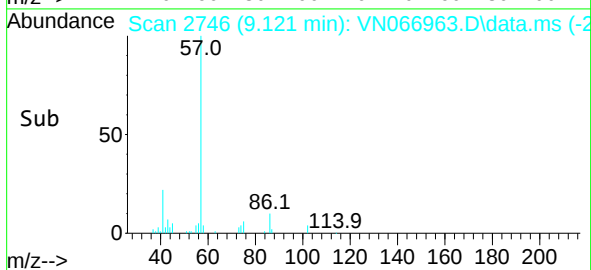
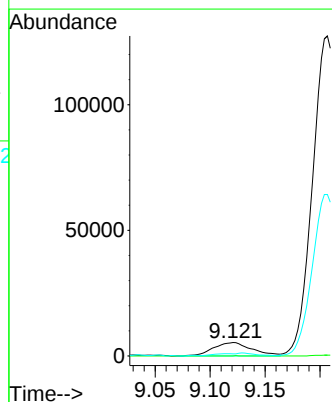
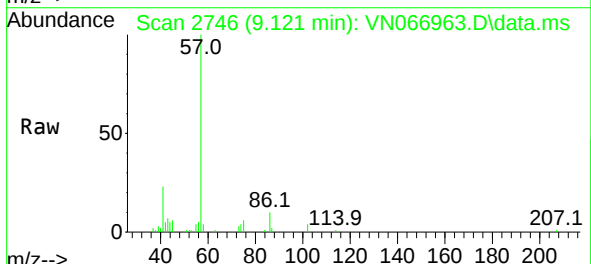
Instrument :
MSVOA_N
ClientSampled :

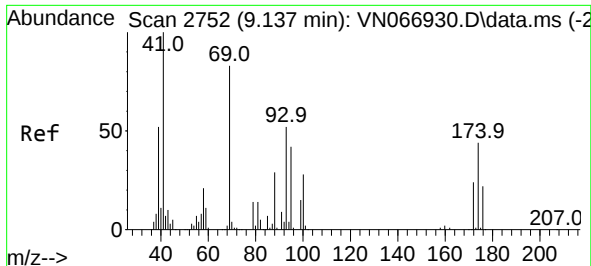
Tgt Ion: 43 Resp: 50240
Ion Ratio Lower Upper
43 100
61 21.3 22.5 33.7#
87 13.5 11.1 16.7



#48
Methyl methacrylate
Concen: 2.18 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

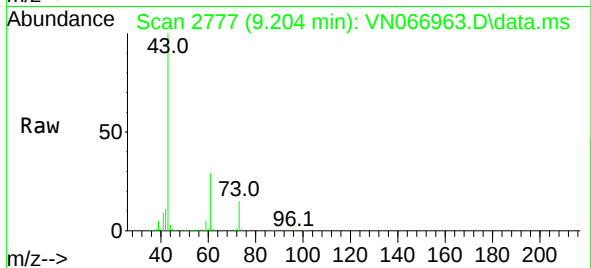
Tgt Ion: 41 Resp: 13105
Ion Ratio Lower Upper
41 100
69 0.2 75.9 113.9#
39 0.0 46.6 69.8#



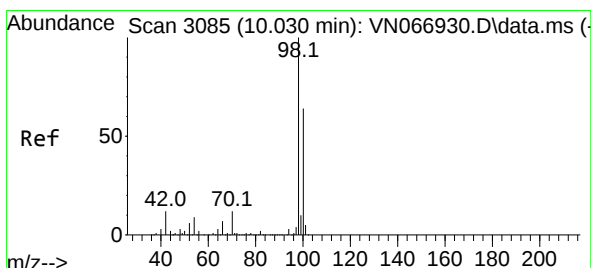
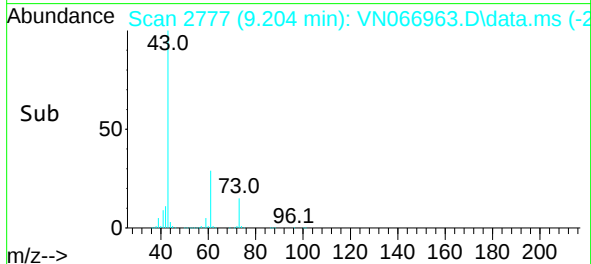
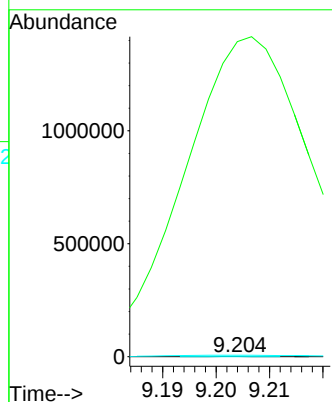


#49
1,4-Dioxane
Concen: 2.54 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.067 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Instrument :
MSVOA_N
ClientSampled :

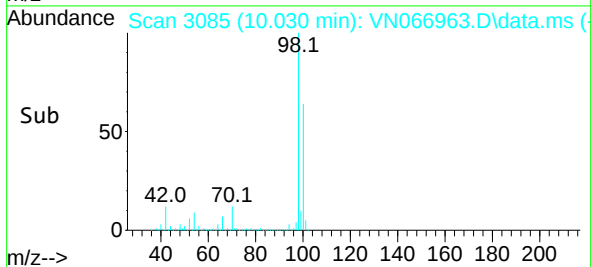
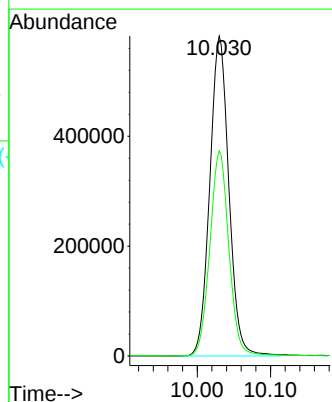
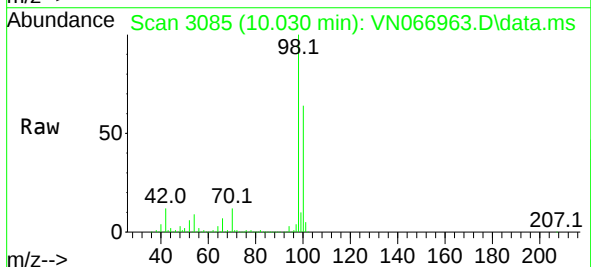


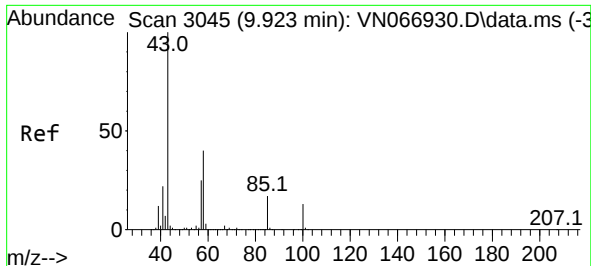
Tgt Ion: 88 Resp: 242
Ion Ratio Lower Upper
88 100
43 1089152.1 24.7 37.1#
58 5916.5 52.6 78.8#



#50
Toluene-d8
Concen: 51.74 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion: 98 Resp: 1053706
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7

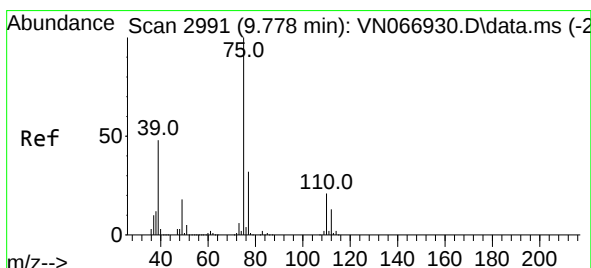
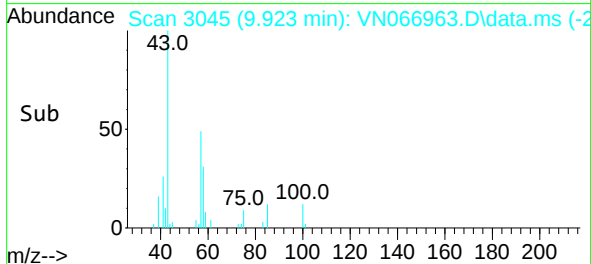
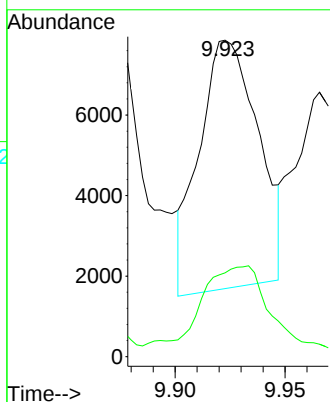
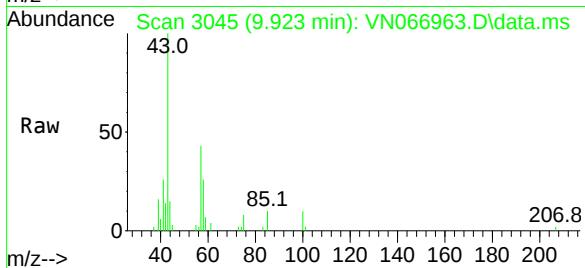




#51
4-Methyl-2-Pentanone
Concen: 1.47 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

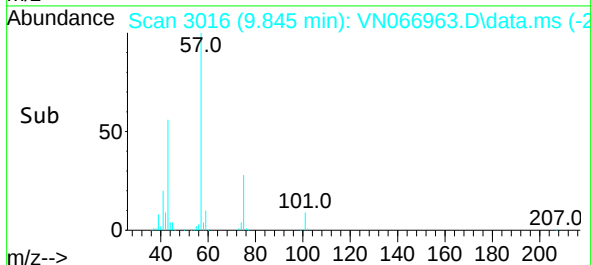
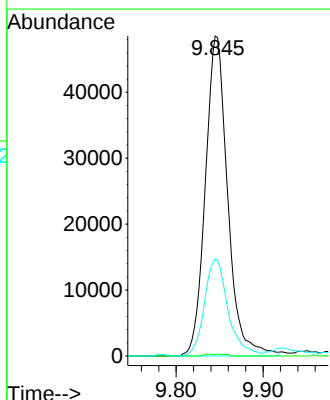
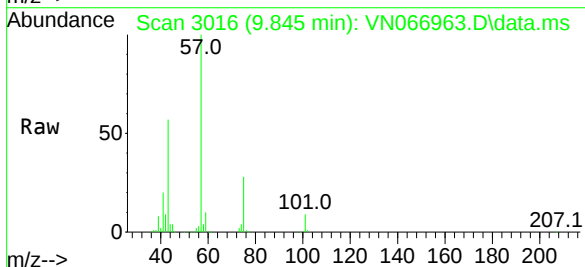
Instrument :
MSVOA_N
ClientSampled :

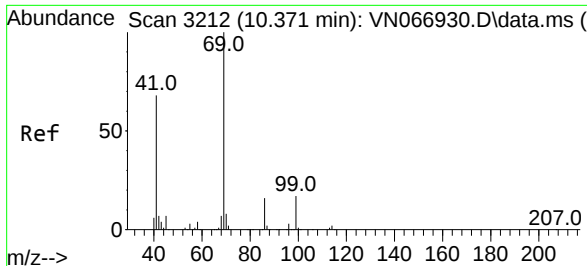
Tgt Ion: 43 Resp: 11546
Ion Ratio Lower Upper
43 100
58 47.1 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.01 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

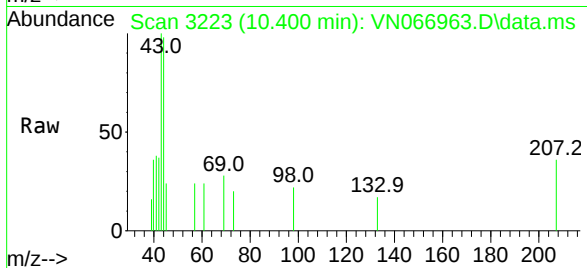
Tgt Ion: 75 Resp: 86543
Ion Ratio Lower Upper
75 100
77 0.4 24.9 37.3#
39 30.3 36.2 54.4#



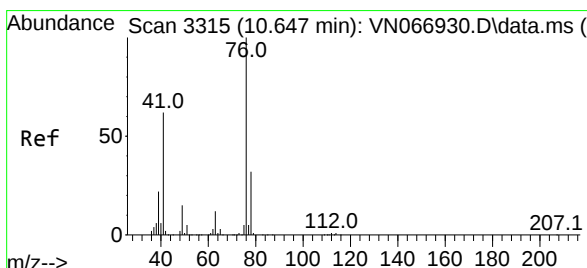
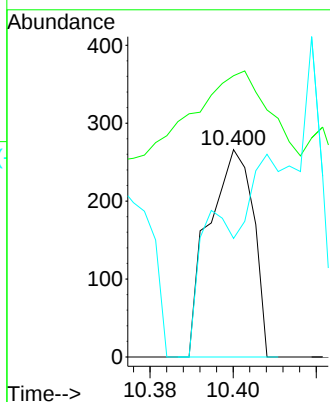
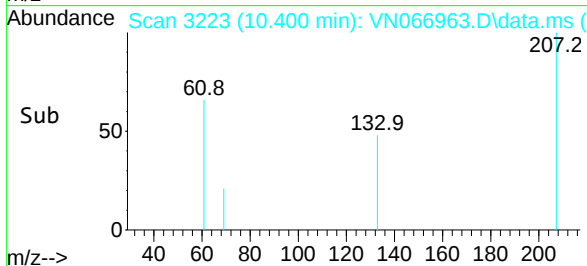


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.400 min Scan# 3223
Delta R.T. 0.029 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

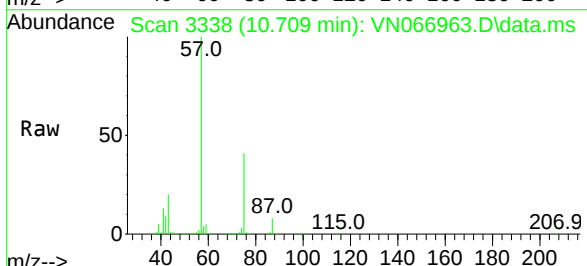
Instrument :
MSVOA_N
ClientSampled :



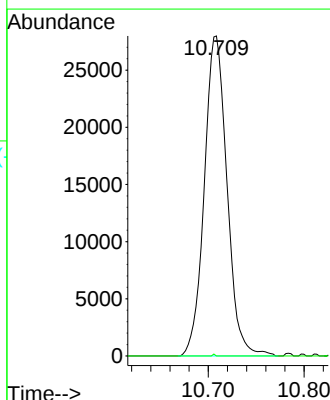
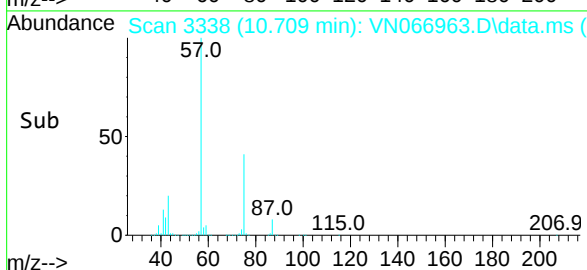
Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

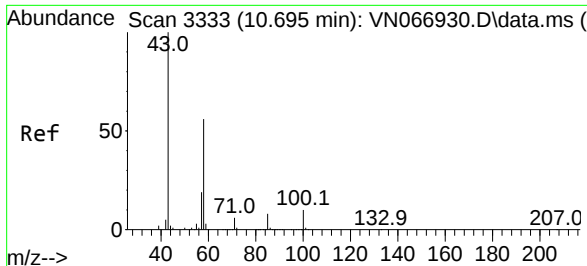


#57
1,3-Dichloropropane
Concen: 4.33 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09



Tgt Ion: 76 Resp: 46117
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

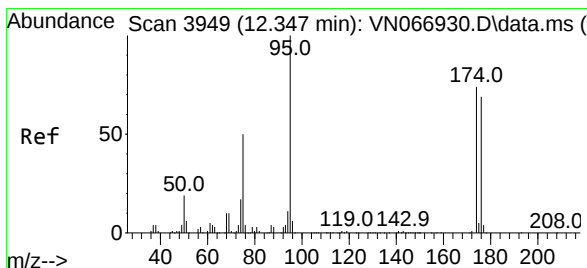
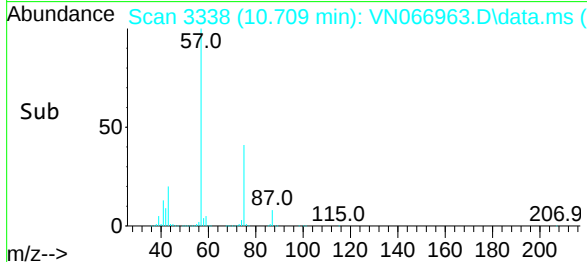
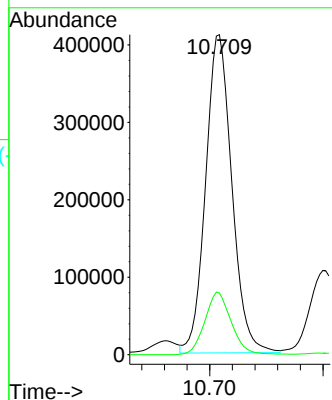
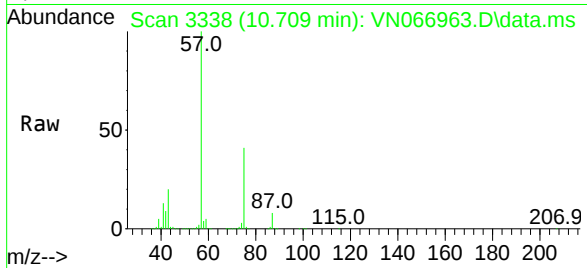




#59
2-Hexanone
Concen: 130.62 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

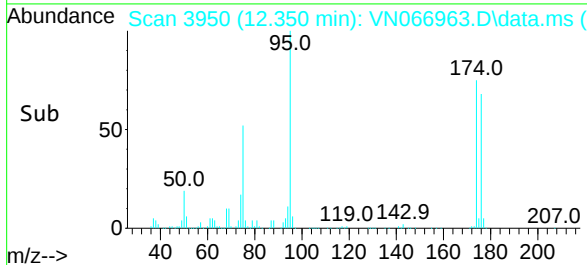
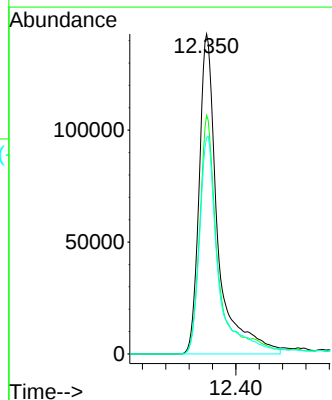
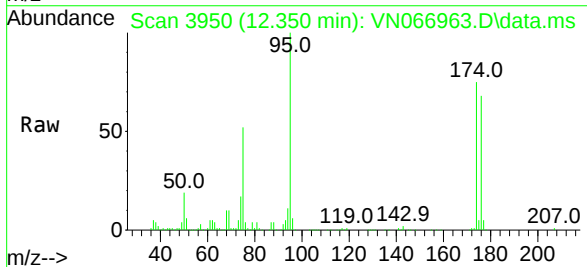
Instrument :
MSVOA_N
ClientSampled :

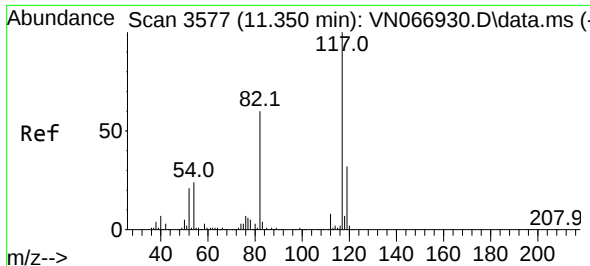
Tgt Ion: 43 Resp: 661123
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.86 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion: 95 Resp: 316248
Ion Ratio Lower Upper
95 100
174 69.5 0.0 169.0
176 69.6 0.0 162.4

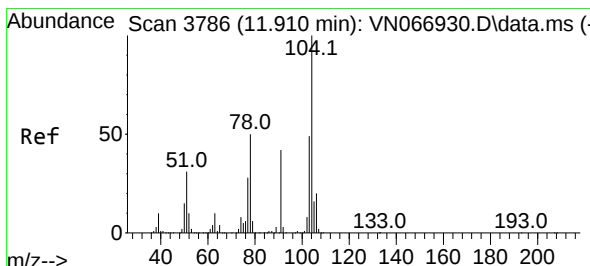
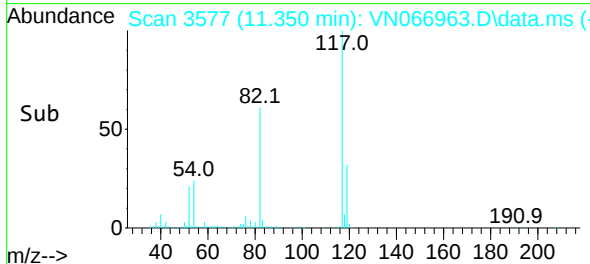
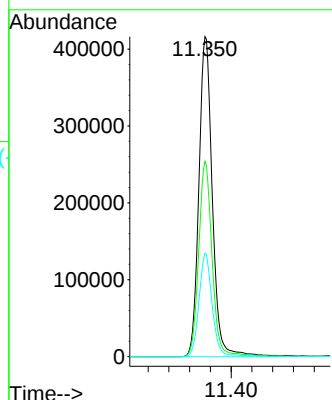
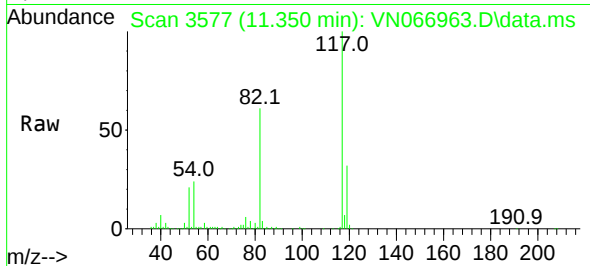




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

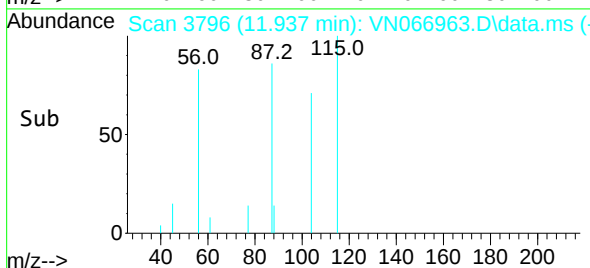
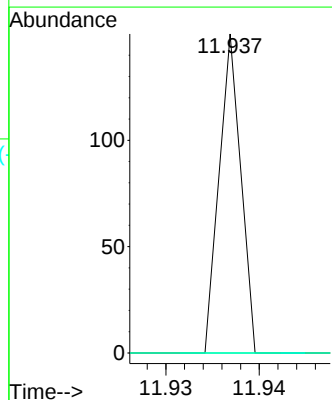
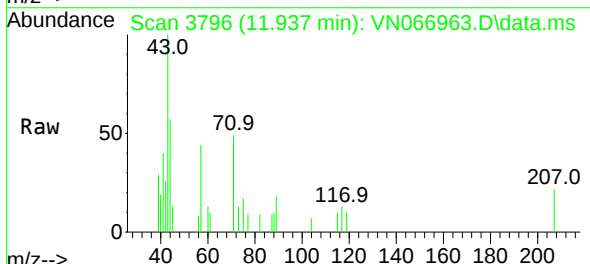
Instrument :
MSVOA_N
ClientSampleId :

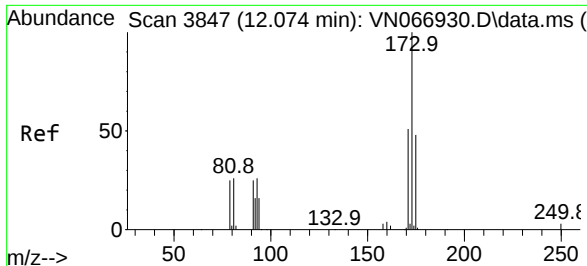
Tgt Ion:117 Resp: 748206
Ion Ratio Lower Upper
117 100
82 61.0 43.7 65.5
119 32.3 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.937 min Scan# 3796
Delta R.T. 0.027 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion:104 Resp: 24
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

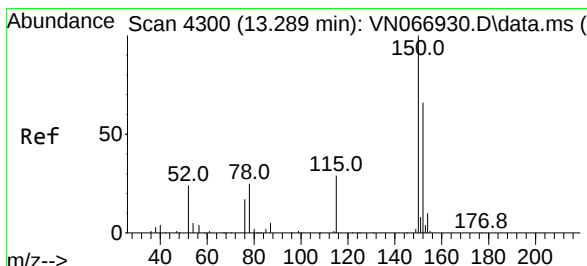
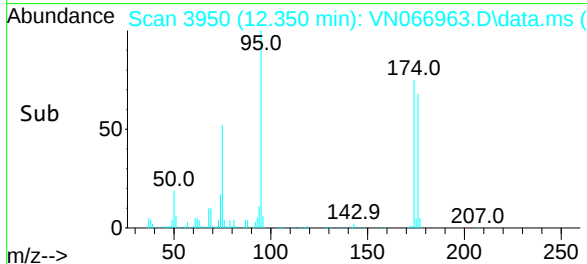
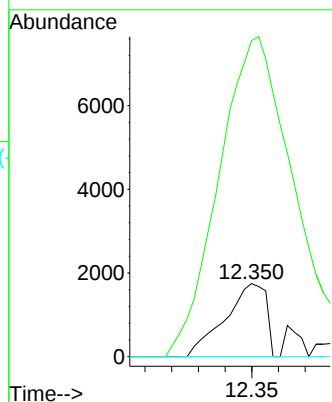
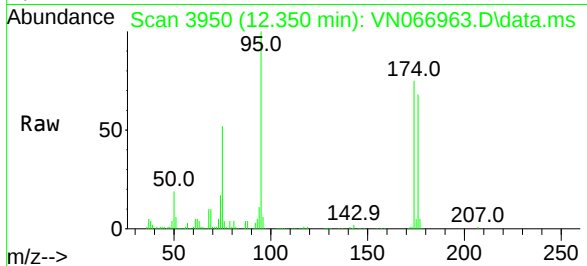




#71
Bromoform
Concen: 0.42 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

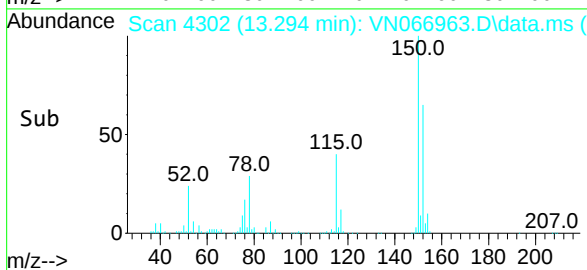
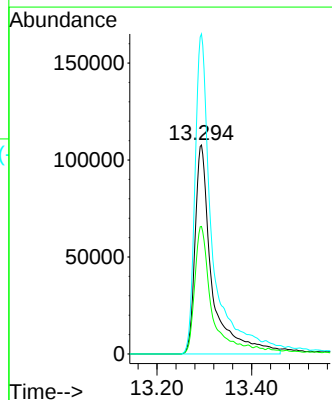
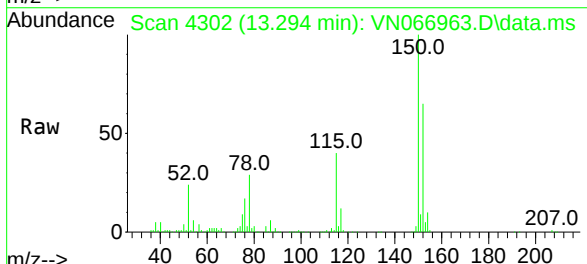
Instrument :
MSVOA_N
ClientSampled :

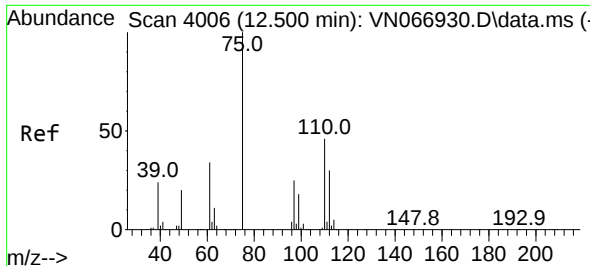
Tgt Ion:173 Resp: 1873
Ion Ratio Lower Upper
173 100
175 649.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion:152 Resp: 269668
Ion Ratio Lower Upper
152 100
115 58.7 28.5 85.6
150 152.2 0.0 347.6

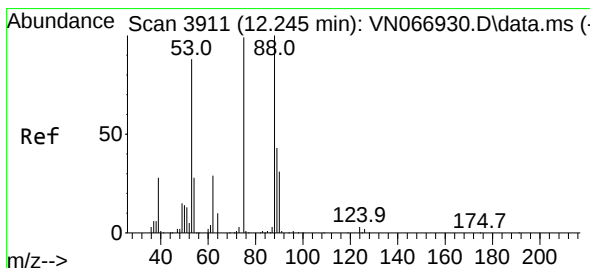
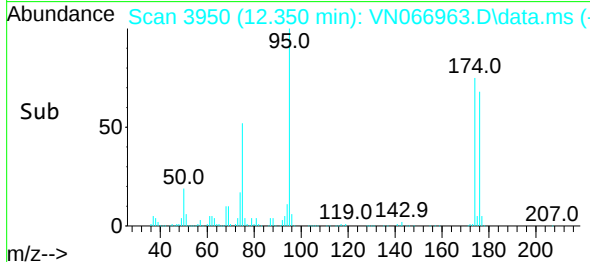
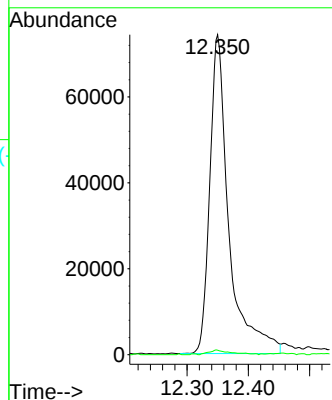
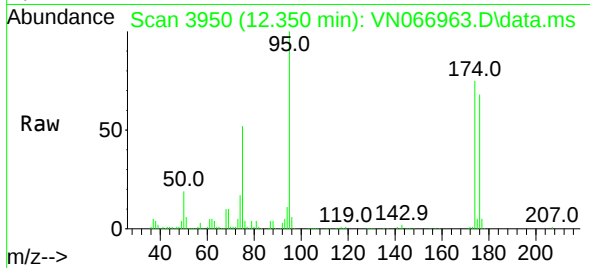




#76
1,2,3-Trichloropropane
Concen: 24.93 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

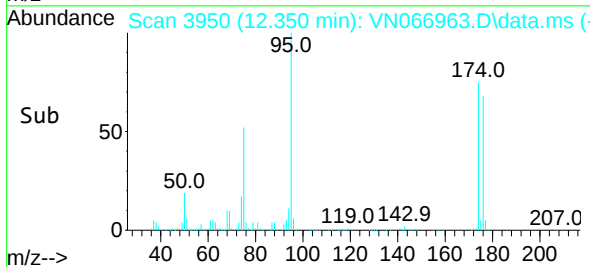
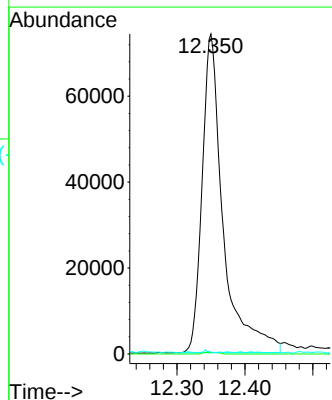
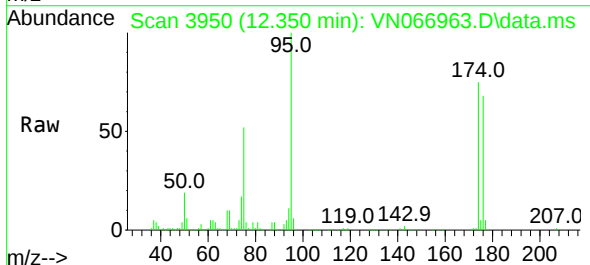
Instrument :
MSVOA_N
ClientSampleId :

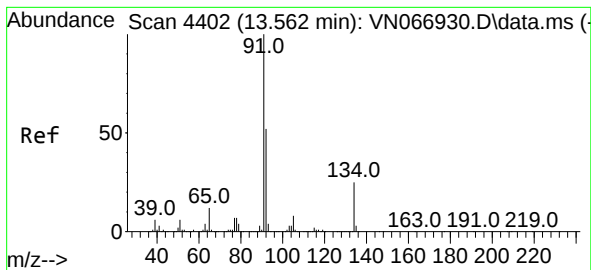
Tgt Ion: 75 Resp: 160125
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.85 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066963.D
Acq: 5 May 2021 3:09

Tgt Ion: 75 Resp: 159723
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: 13.635 min Scan# 4429

Delta R.T. 0.073 min

Lab File: VN066963.D

Acq: 5 May 2021 3:09

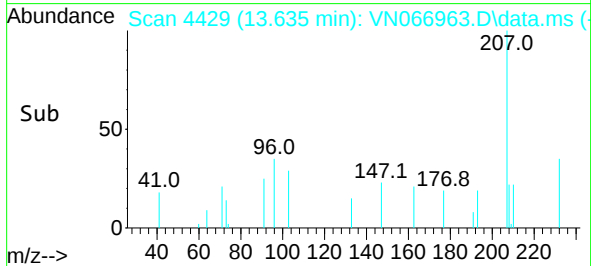
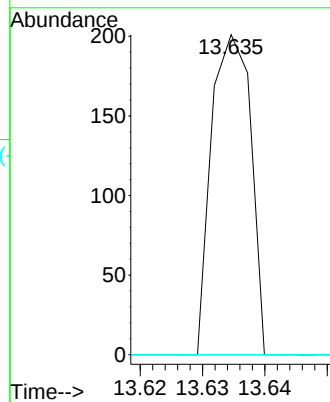
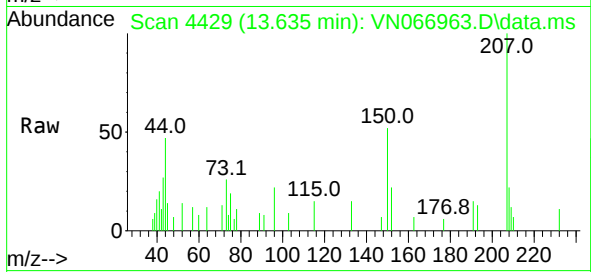
Tgt Ion: 91 Resp: 88

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

134 0.0 13.0 38.9#



Instrument :
MSVOA_N
ClientSampleId :