

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066961.D
 Acq On : 5 May 2021 2:21
 Operator : JC/MD
 Sample : M2256-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:49:10 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

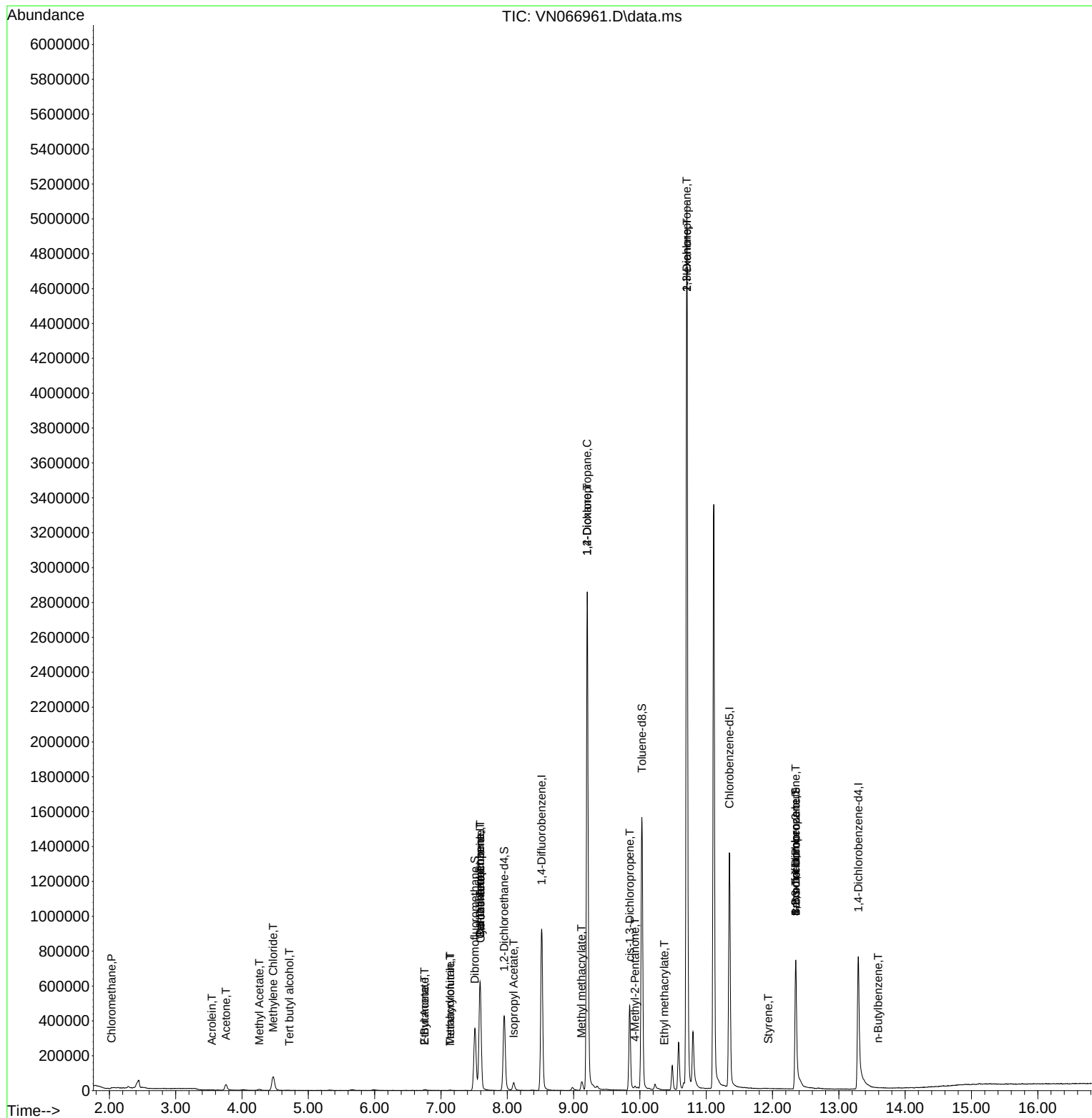
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.589	168	472673	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.517	114	807243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	773878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	274046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	386681	51.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	103.94%	
35) Dibromofluoromethane	7.512	113	274129	50.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	100.02%	
50) Toluene-d8	10.030	98	1091238	52.27	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.350	95	305594	43.23	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	86.46%	
Target Compounds						
						Qvalue
3) Chloromethane	2.032	50	2322	0.25	ug/l	97
11) Tert butyl alcohol	4.712	59	476	0.45	ug/l	# 73
13) Acrolein	3.545	56	1038	1.19	ug/l	# 33
16) Acetone	3.757	43	55692	21.28	ug/l	96
18) Methyl Acetate	4.261	43	9819	1.31	ug/l	# 67
20) Methylene Chloride	4.470	84	57112	8.60	ug/l	# 91
25) 2-Butanone	6.753	43	5378	1.39	ug/l	95
29) Tetrahydrofuran	7.139	42	663	0.26	ug/l	# 70
31) Cyclohexane	7.595	56	11847	1.13	ug/l	# 15
36) 1,1-Dichloropropene	7.589	75	42666	5.07	ug/l	# 48
37) Ethyl Acetate	6.753	43	5378	0.63	ug/l	# 68
38) Carbon Tetrachloride	7.592	117	49822	5.68	ug/l	# 17
41) Methacrylonitrile	7.141	41	997	0.27	ug/l	# 100
43) Isopropyl Acetate	8.096	43	54040	3.88	ug/l	# 90
45) 1,2-Dichloropropane	9.204	63	3682	0.50	ug/l	# 44
48) Methyl methacrylate	9.118	41	11628	1.89	ug/l	# 10
49) 1,4-Dioxane	9.204	88	408	4.18	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.925	43	13526	1.68	ug/l	99
54) cis-1,3-Dichloropropene	9.848	75	89949	8.13	ug/l	# 63
56) Ethyl methacrylate	10.368	69	182	5.21	ug/l	# 27
57) 1,3-Dichloropropane	10.706	76	51470	4.72	ug/l	# 43
59) 2-Hexanone	10.709	43	745500	140.85	ug/l	# 50
70) Styrene	11.937	104	229	4.72	ug/l	# 26
71) Bromoform	12.350	173	2631	0.57	ug/l	# 1
76) 1,2,3-Trichloropropane	12.350	75	176088	26.97	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.350	75	176088	80.73	ug/l	# 12
89) n-Butylbenzene	13.592	91	24	5.24	ug/l	# 2

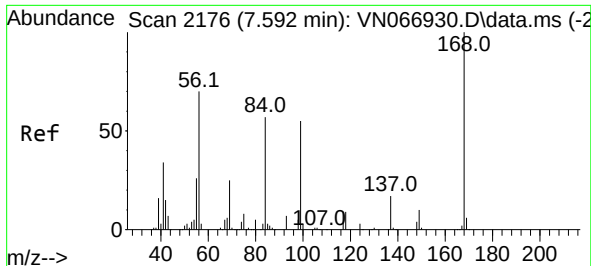
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
Data File : VN066961.D
Acq On : 5 May 2021 2:21
Operator : JC/MD
Sample : M2256-05
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

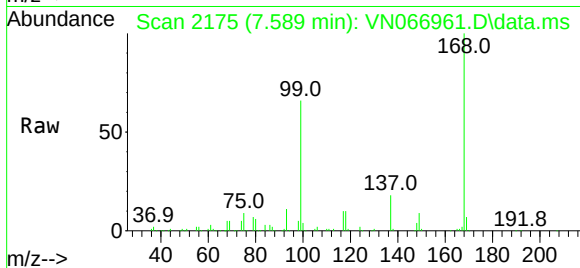
Quant Time: May 05 07:49:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration



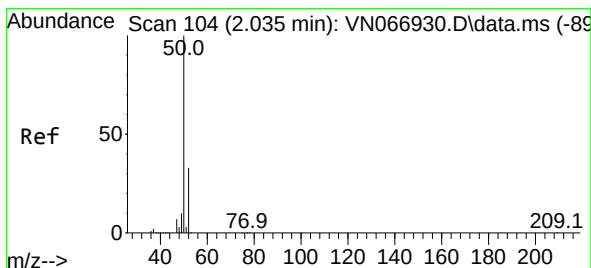
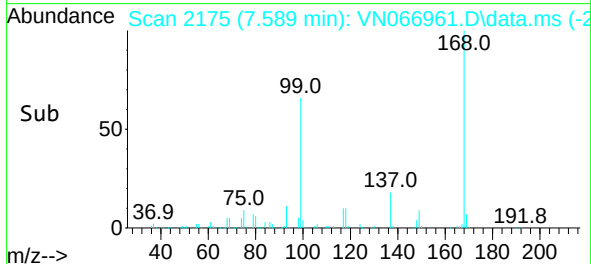
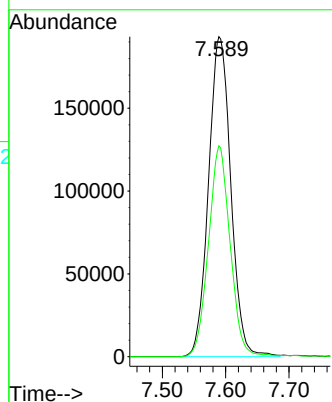


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Instrument :
MSVOA_N
ClientSampled :

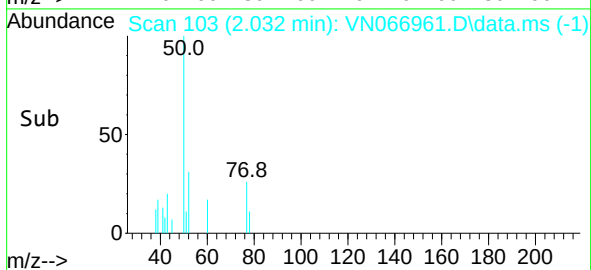
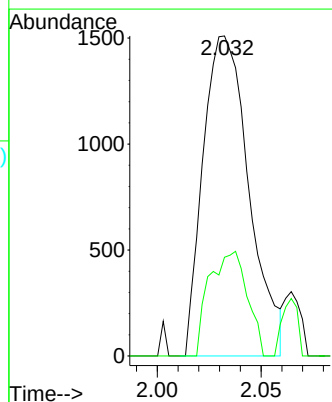
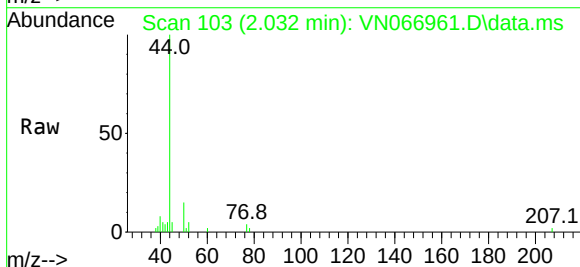


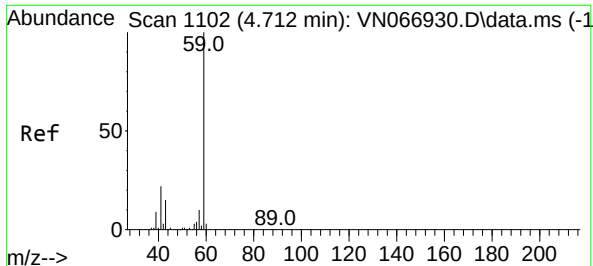
Tgt Ion:168 Resp: 472673
Ion Ratio Lower Upper
168 100
99 65.9 42.6 63.8#



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 50 Resp: 2322
Ion Ratio Lower Upper
50 100
52 30.9 25.8 38.8



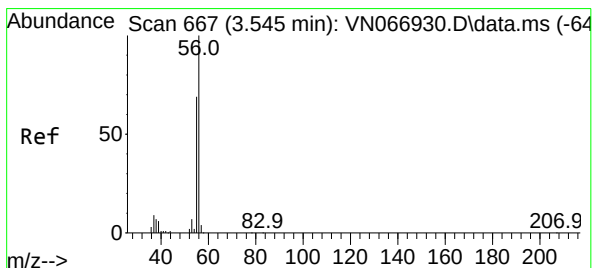
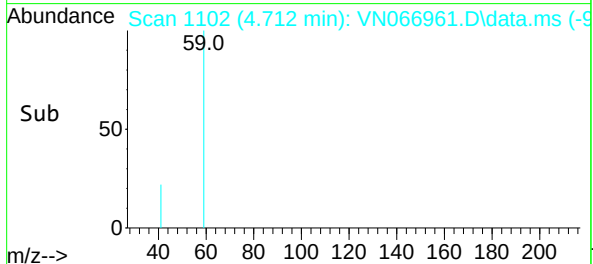
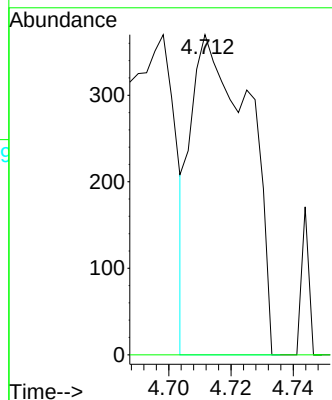
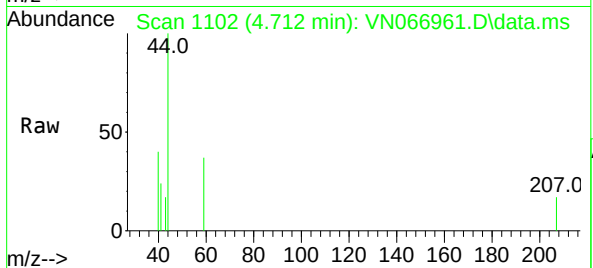


#11

Tert butyl alcohol
Concen: 0.45 ug/l
RT: 4.712 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Instrument :
MSVOA_N
ClientSampled :

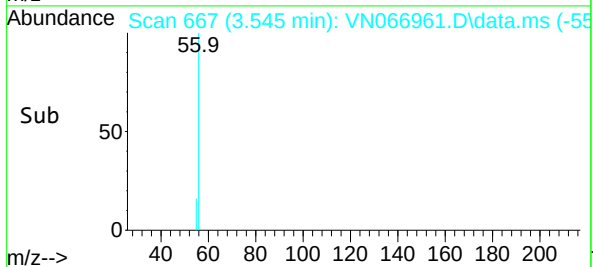
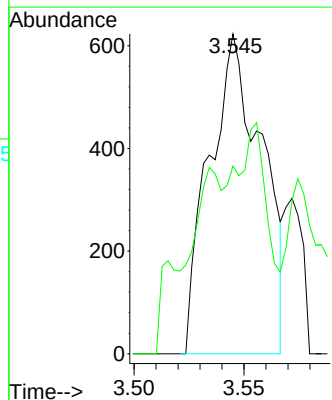
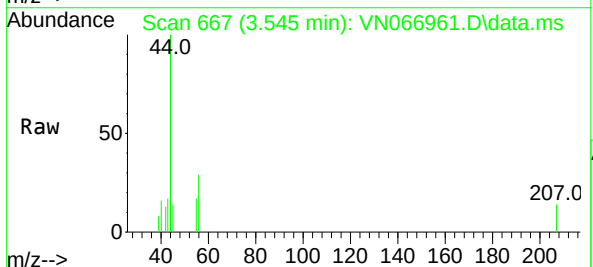
Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

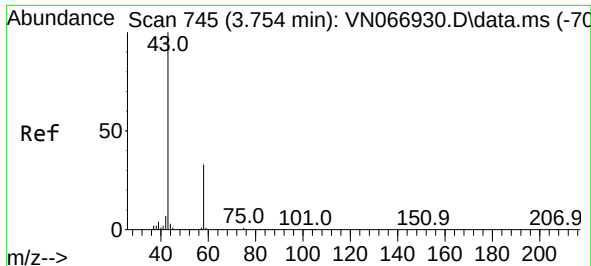


#13

Acrolein
Concen: 1.19 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 56 Resp: 1038
Ion Ratio Lower Upper
56 100
55 14.8 56.0 84.0#

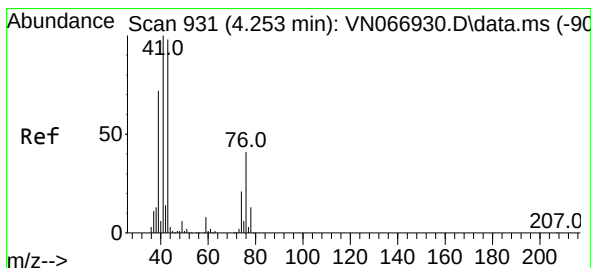
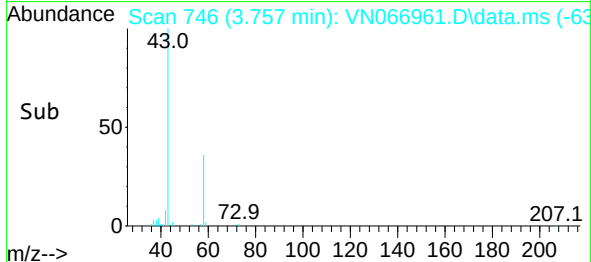
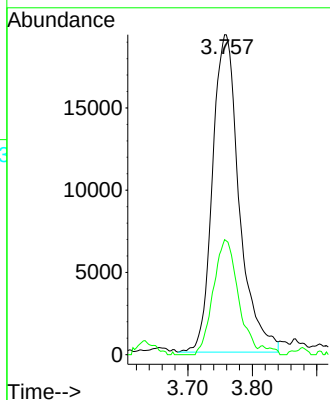
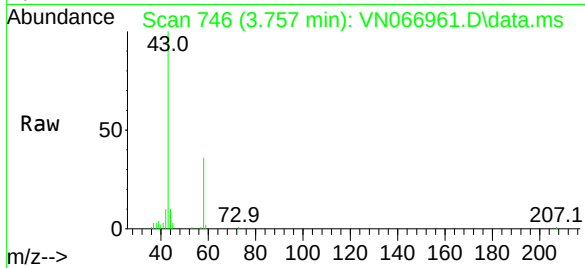




#16
Acetone
Concen: 21.28 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

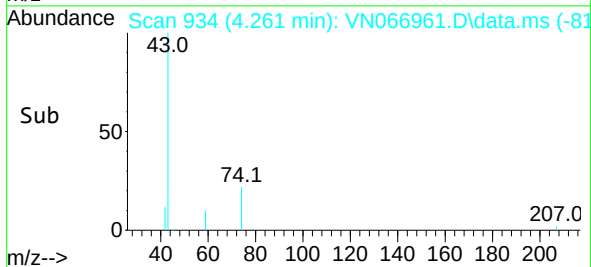
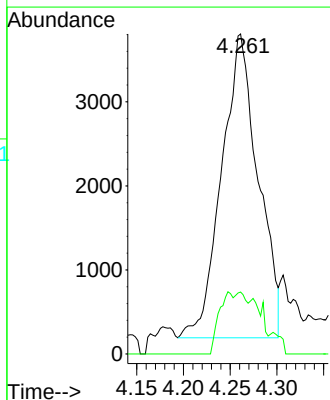
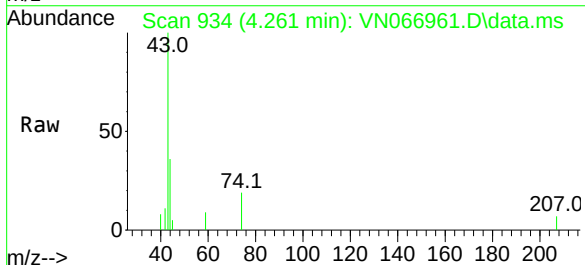
Instrument :
MSVOA_N
ClientSampled :

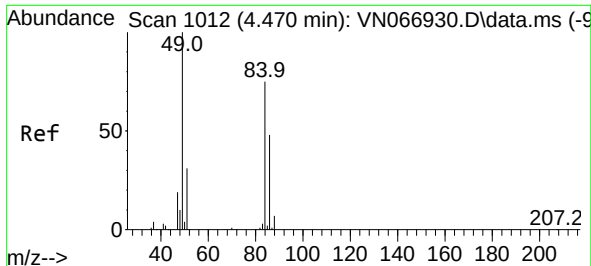
Tgt Ion: 43 Resp: 55692
Ion Ratio Lower Upper
43 100
58 36.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 4.261 min Scan# 934
Delta R.T. 0.008 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

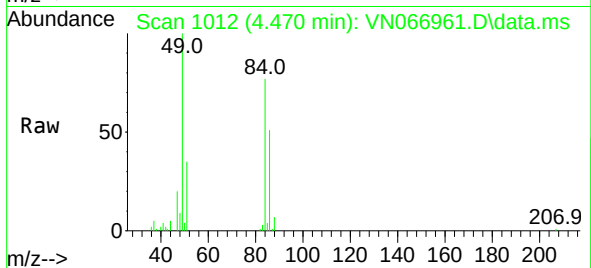
Tgt Ion: 43 Resp: 9819
Ion Ratio Lower Upper
43 100
74 8.0 19.5 29.3#



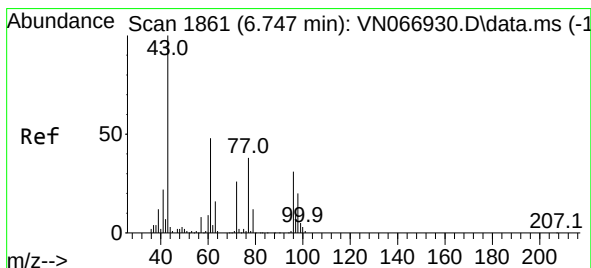
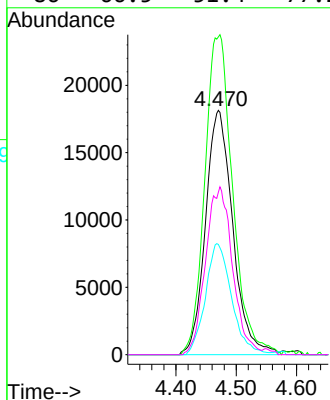
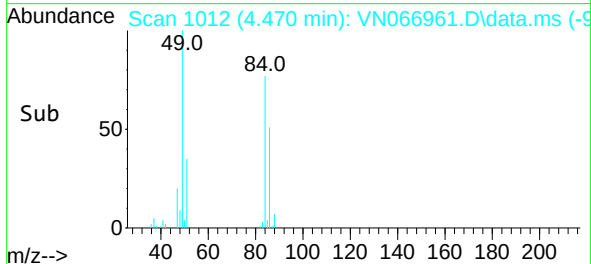


#20
Methylene Chloride
Concen: 8.60 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

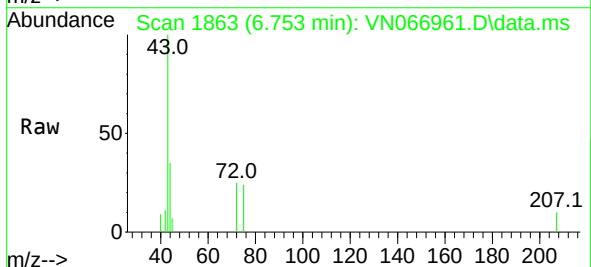
Instrument :
MSVOA_N
ClientSampled :



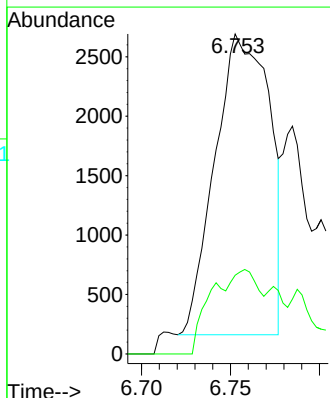
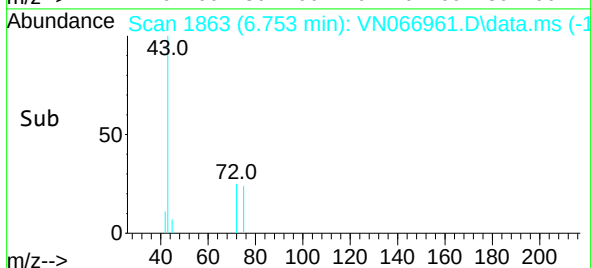
Tgt Ion:	84	Resp:	57112
Ion	Ratio	Lower	Upper
84	100		
49	130.1	94.6	141.8
51	45.1	29.9	44.9#
86	66.5	51.4	77.2

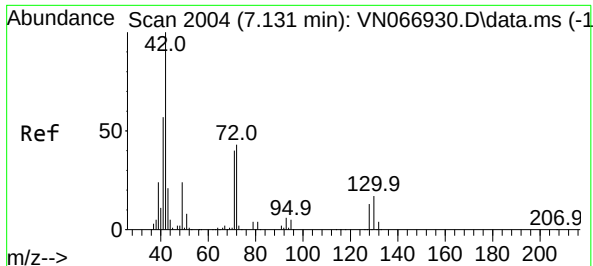


#25
2-Butanone
Concen: 1.39 ug/l
RT: 6.753 min Scan# 1863
Delta R.T. 0.006 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21



Tgt Ion:	43	Resp:	5378
Ion	Ratio	Lower	Upper
43	100		
72	26.2	23.1	34.7

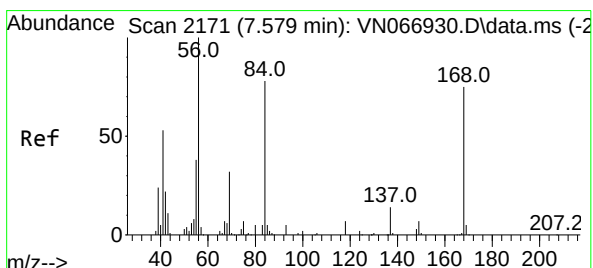
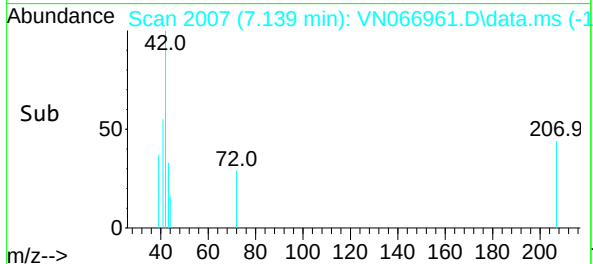
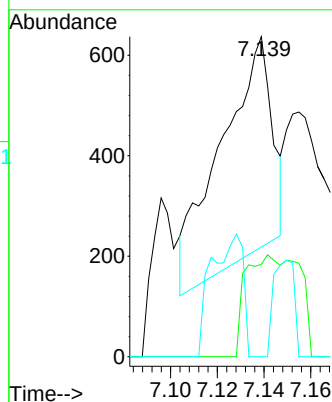
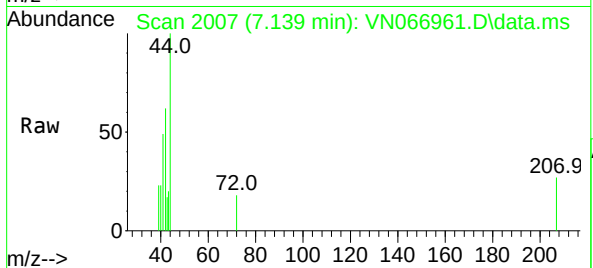




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.139 min Scan# 2007
Delta R.T. 0.008 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

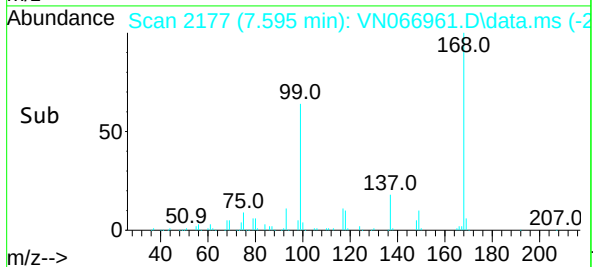
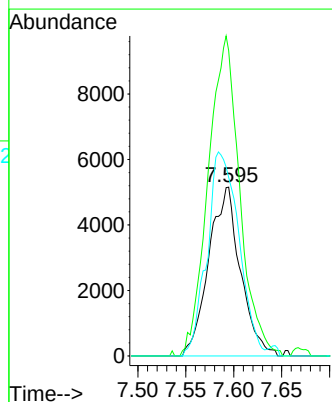
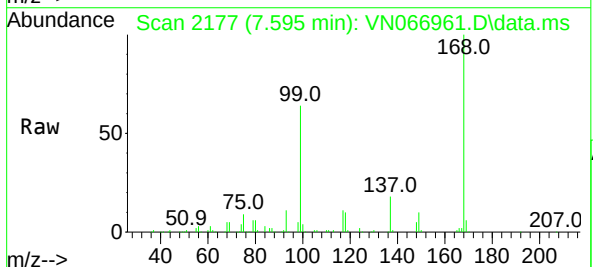
Instrument :
MSVOA_N
ClientSampled :

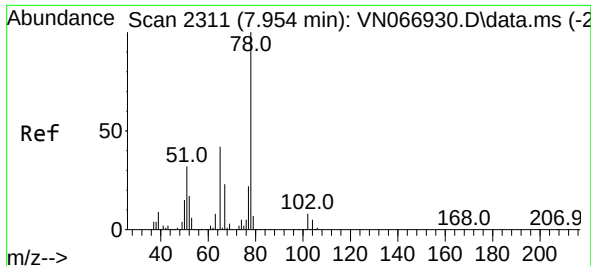
Tgt Ion: 42 Resp: 663
Ion Ratio Lower Upper
42 100
72 31.4 36.6 55.0#
71 17.6 34.3 51.5#



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.016 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 56 Resp: 11847
Ion Ratio Lower Upper
56 100
69 180.8 26.6 39.8#
84 105.7 70.4 105.6#

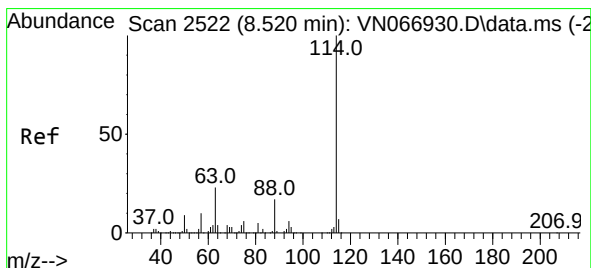
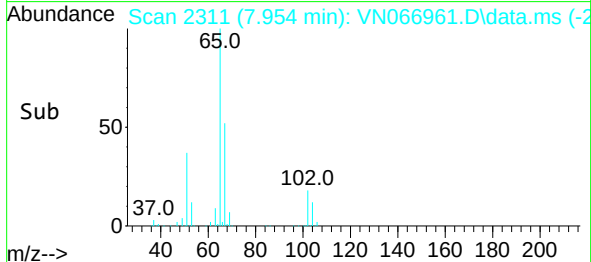
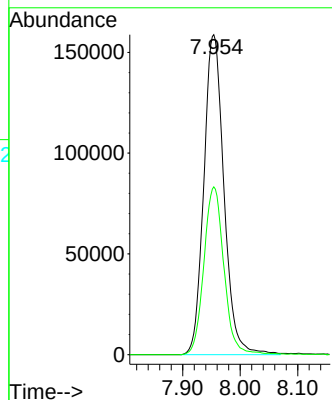
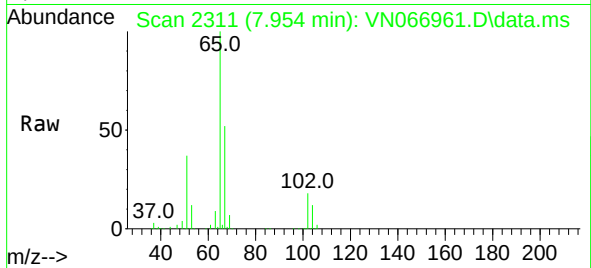




#33
1,2-Dichloroethane-d4
Concen: 51.97 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

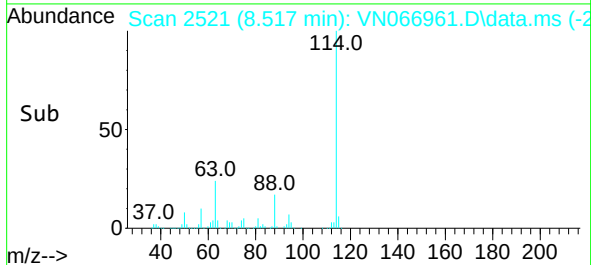
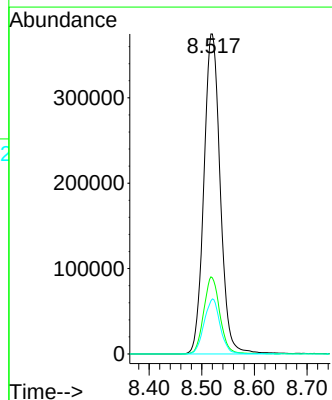
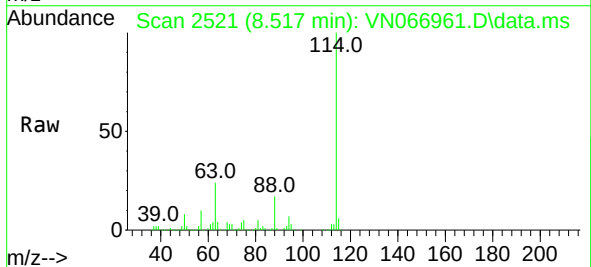
Instrument :
MSVOA_N
ClientSampled :

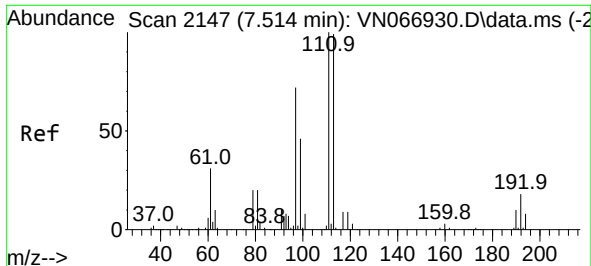
Tgt Ion: 65 Resp: 386681
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 114 Resp: 807243
Ion Ratio Lower Upper
114 100
63 24.1 0.0 38.6
88 16.6 0.0 30.6

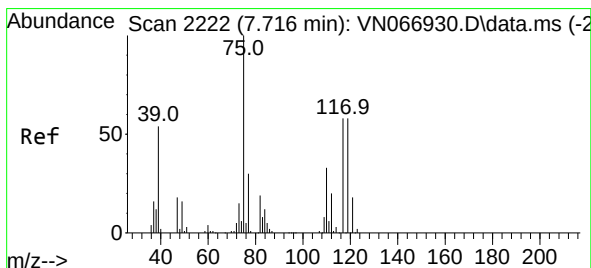
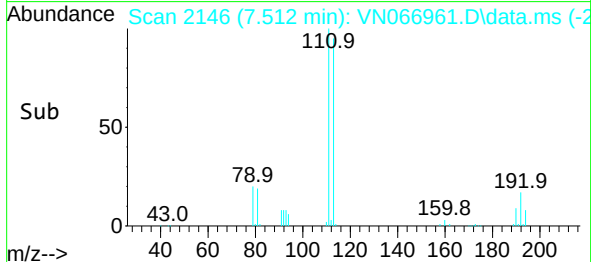
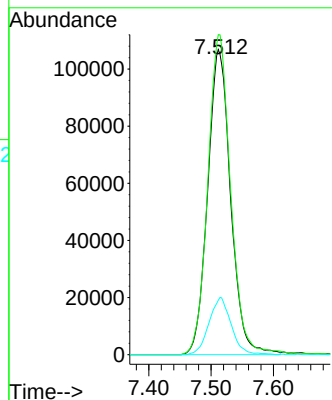
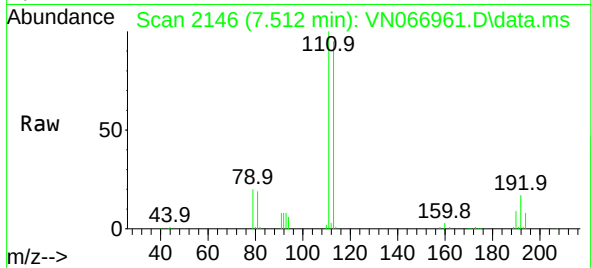




#35
Dibromofluoromethane
Concen: 50.01 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

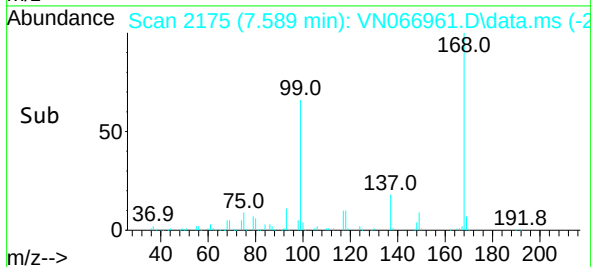
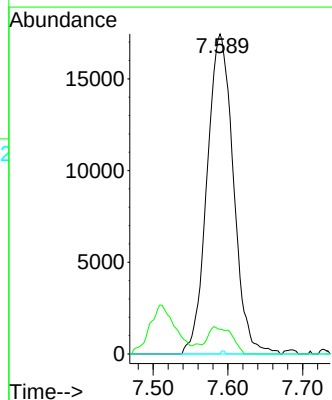
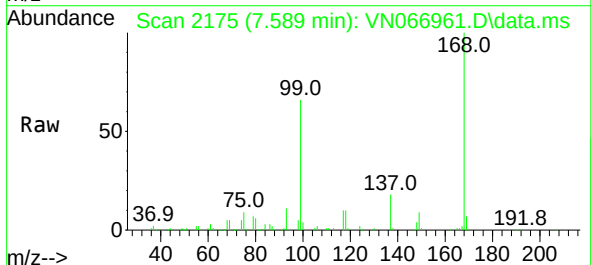
Instrument :
MSVOA_N
ClientSampled :

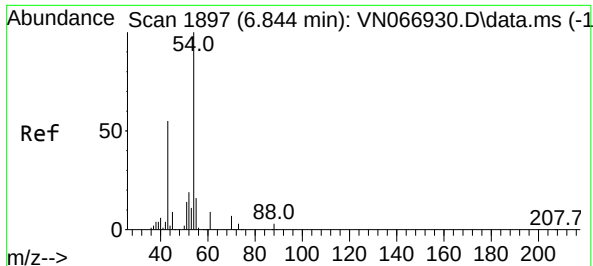
Tgt Ion:113 Resp: 274129
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 75 Resp: 42666
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.1 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.63 ug/l

RT: 6.753 min Scan# 1863

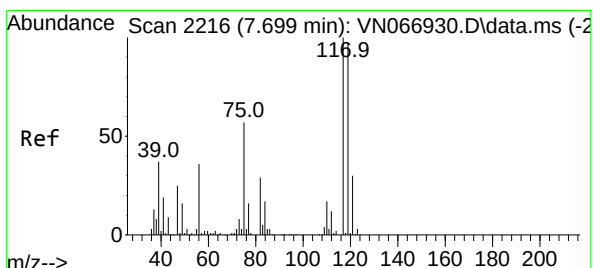
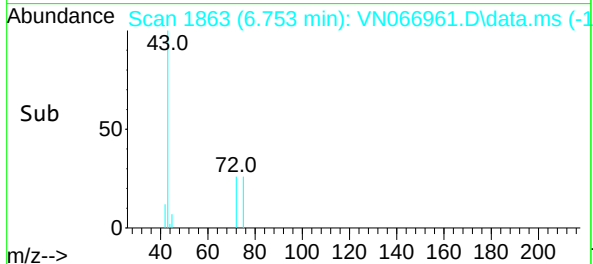
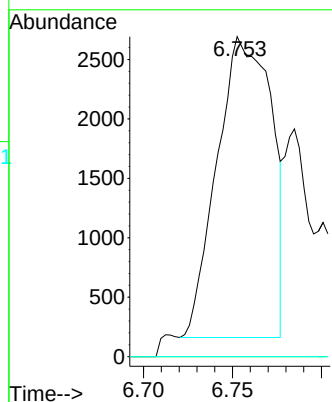
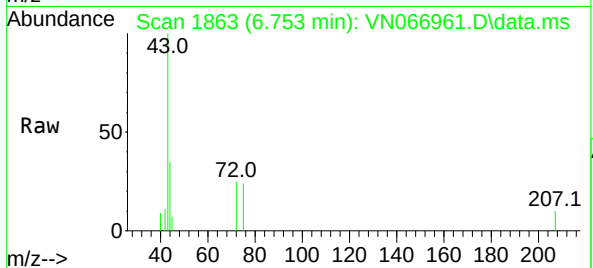
Delta R.T. -0.091 min

Lab File: VN066961.D

Acq: 5 May 2021 2:21

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	5378
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.68 ug/l

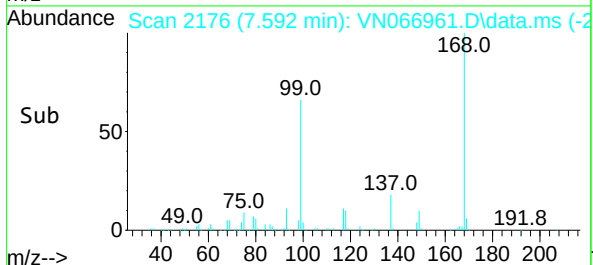
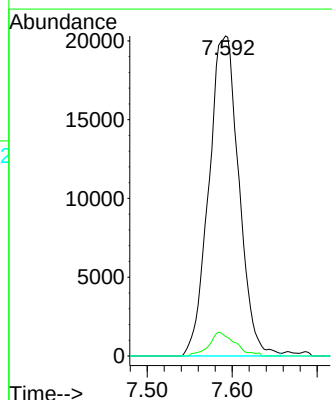
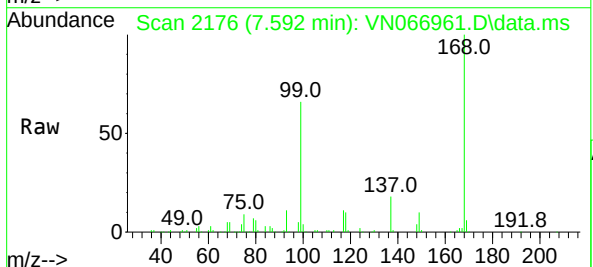
RT: 7.592 min Scan# 2176

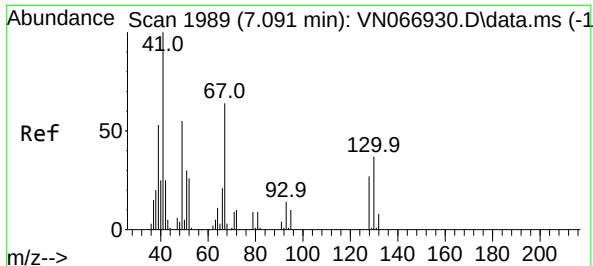
Delta R.T. -0.107 min

Lab File: VN066961.D

Acq: 5 May 2021 2:21

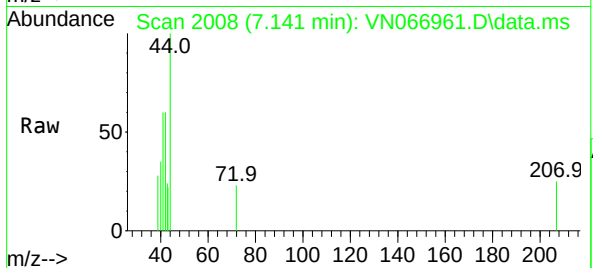
Tgt Ion:	117	Resp:	49822
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.0	114.0#
121	0.0	24.5	36.7#



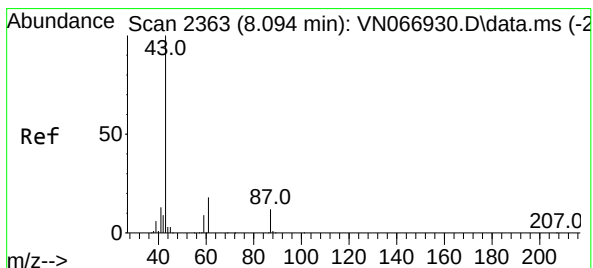
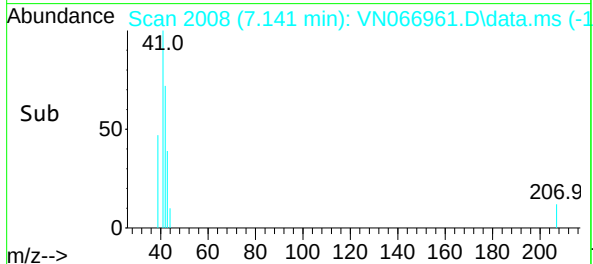
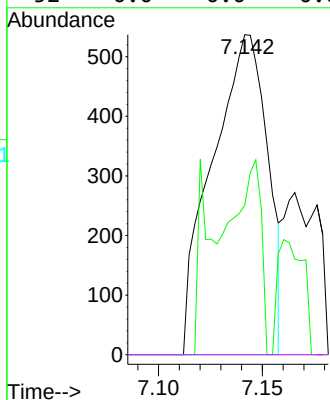


#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 7.141 min Scan# 2008
Delta R.T. 0.050 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Instrument :
MSVOA_N
ClientSampled :

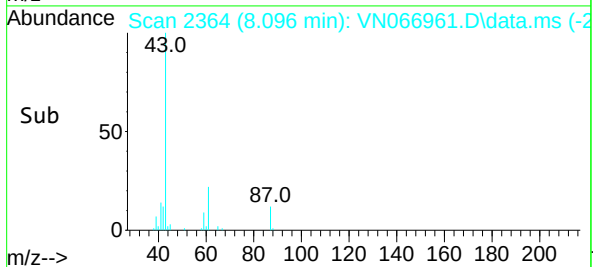
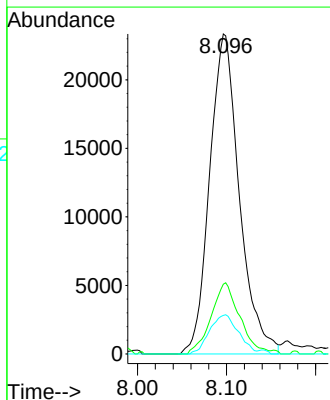
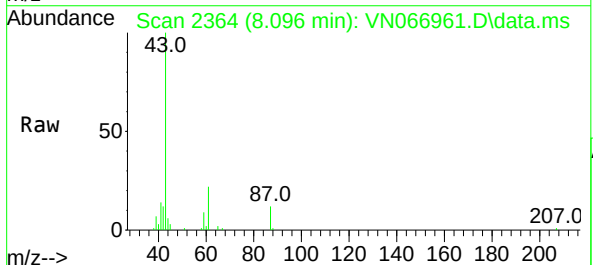


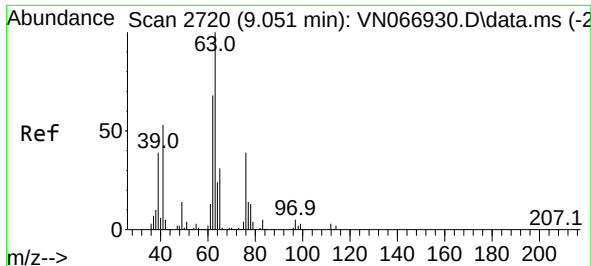
Tgt Ion:	41	Resp:	997
Ion	Ratio	Lower	Upper
41	100		
39	18.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.88 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion:	43	Resp:	54040
Ion	Ratio	Lower	Upper
43	100		
61	21.5	22.5	33.7#
87	11.9	11.1	16.7

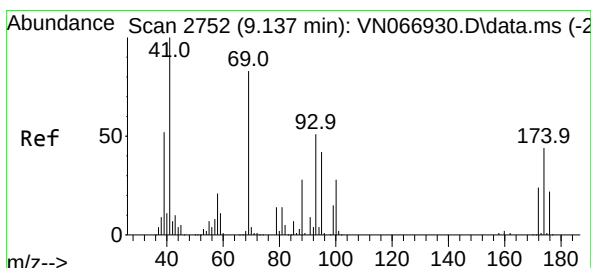
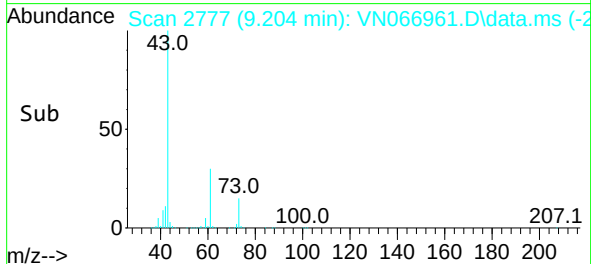
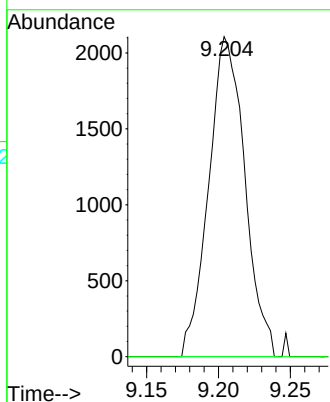
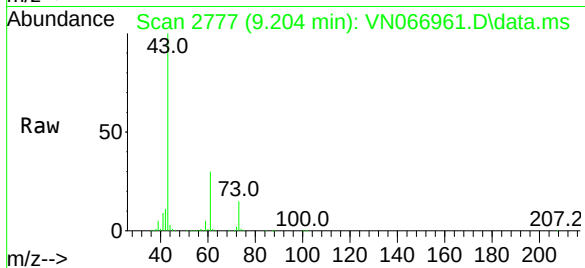




#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

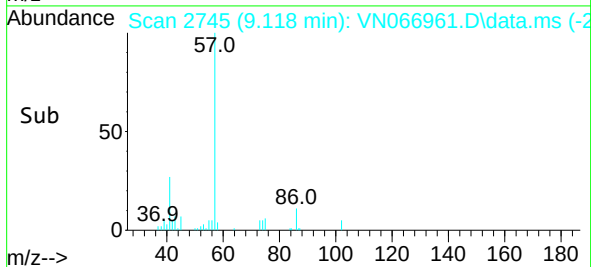
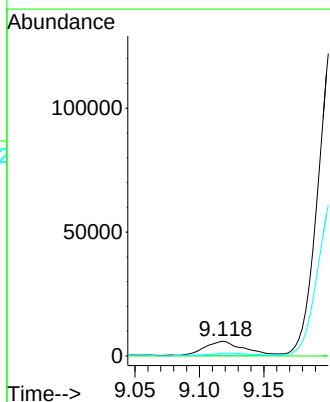
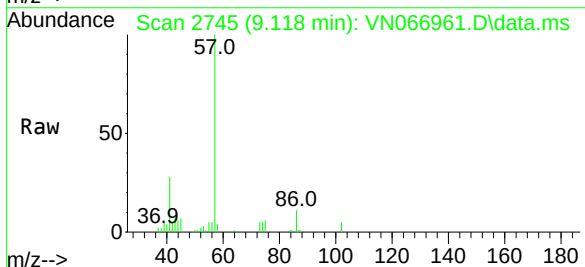
Instrument :
MSVOA_N
ClientSampled :

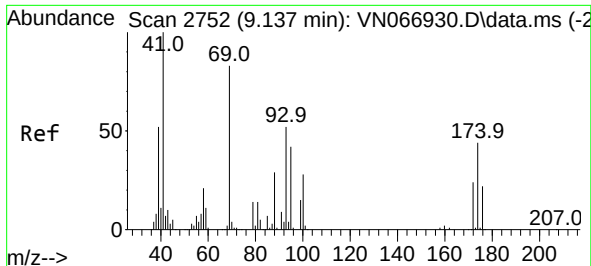
Tgt Ion: 63 Resp: 3682
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.89 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

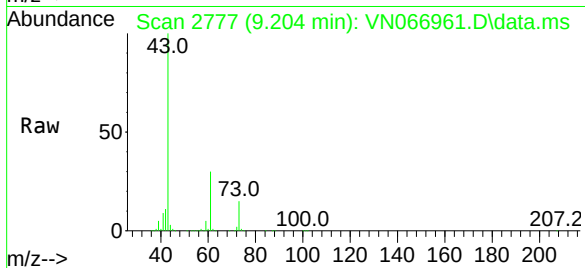
Tgt Ion: 41 Resp: 11628
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



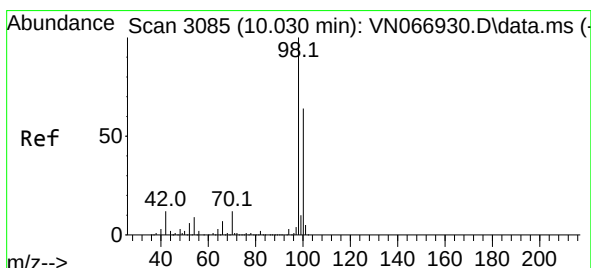
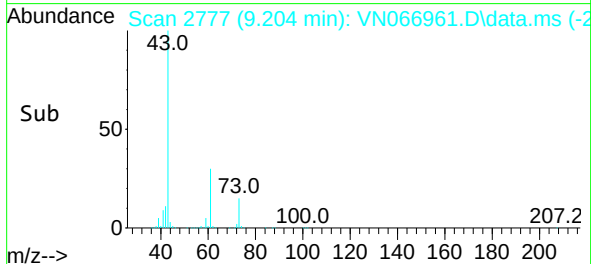
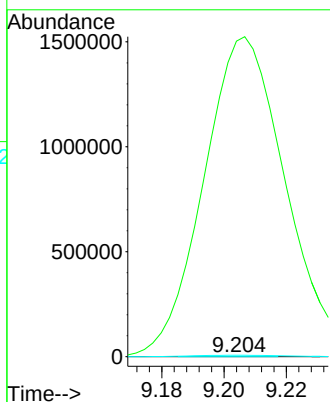


#49
1,4-Dioxane
Concen: 4.18 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.067 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Instrument :
MSVOA_N
ClientSampled :

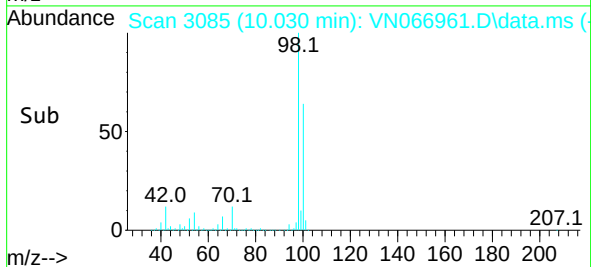
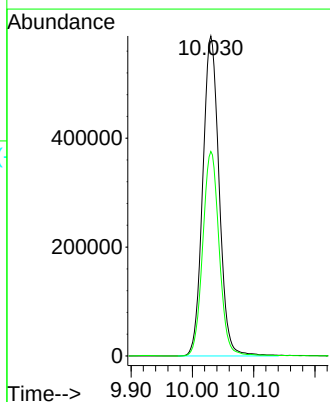
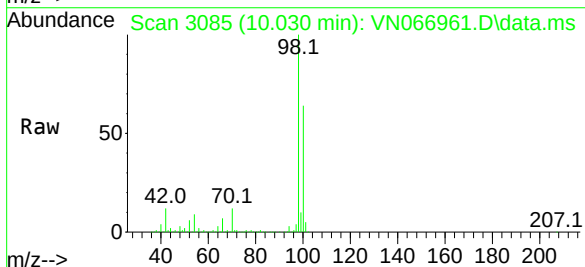


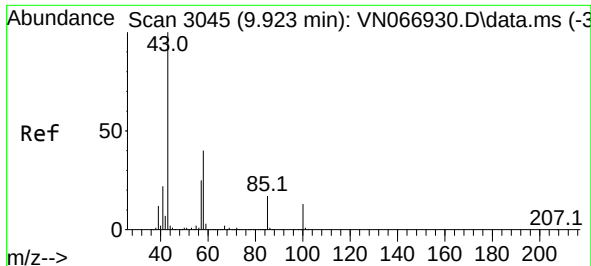
Tgt Ion: 88 Resp: 408
Ion Ratio Lower Upper
88 100
43 710360.0 24.7 37.1#
58 3644.9 52.6 78.8#



#50
Toluene-d8
Concen: 52.27 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 98 Resp: 1091238
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

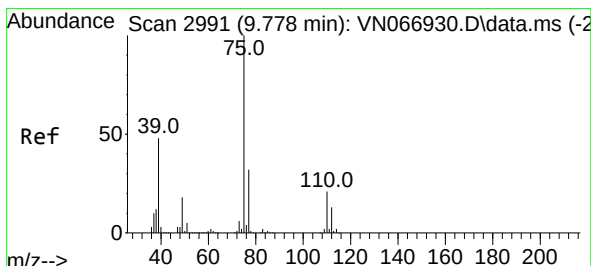
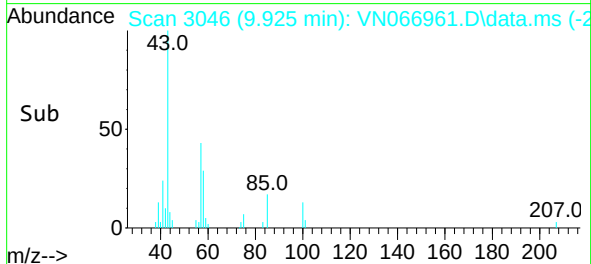
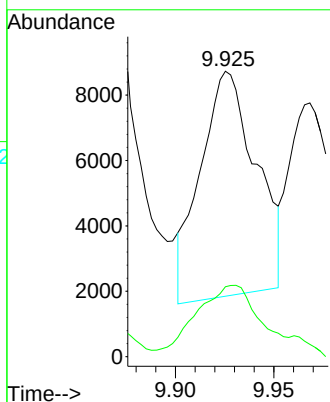
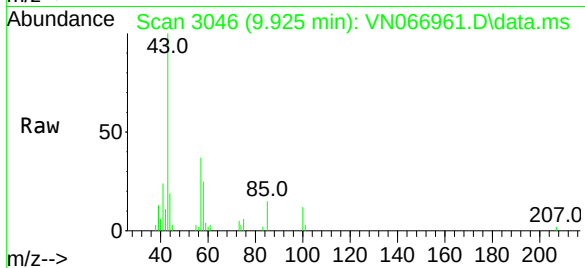




#51
4-Methyl-2-Pentanone
Concen: 1.68 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

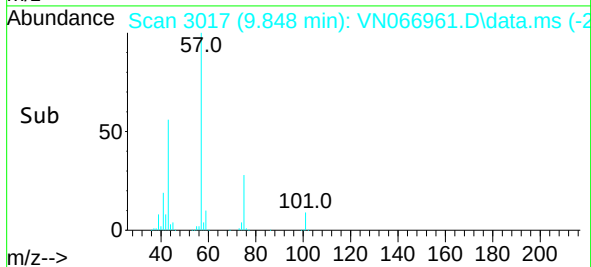
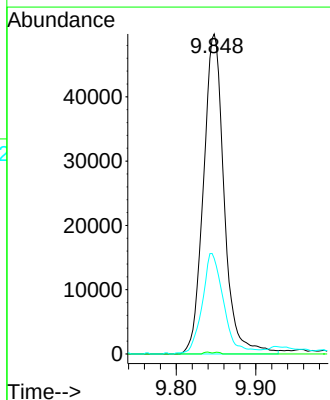
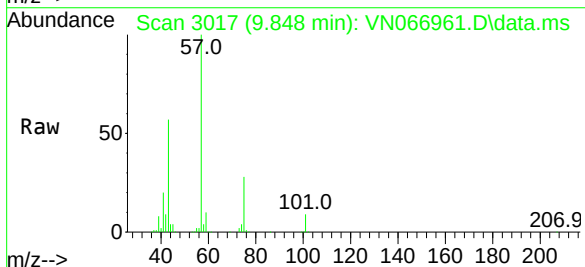
Instrument :
MSVOA_N
ClientSampled :

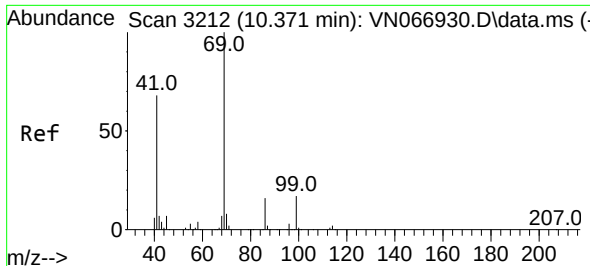
Tgt Ion: 43 Resp: 13526
Ion Ratio Lower Upper
43 100
58 39.7 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.13 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 75 Resp: 89949
Ion Ratio Lower Upper
75 100
77 0.4 24.9 37.3#
39 29.5 36.2 54.4#

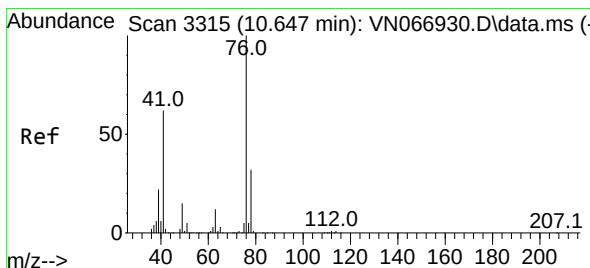
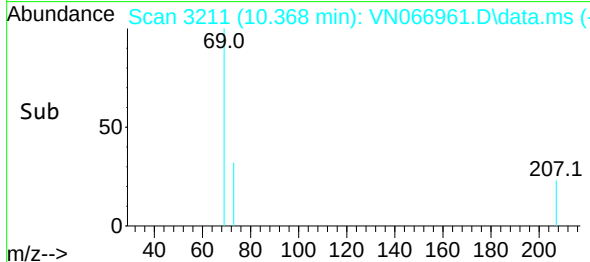
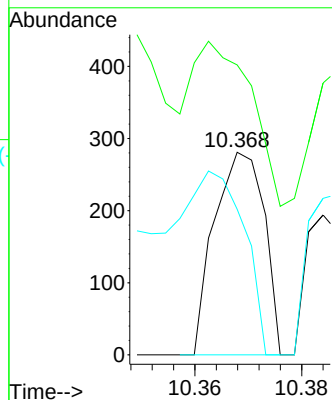
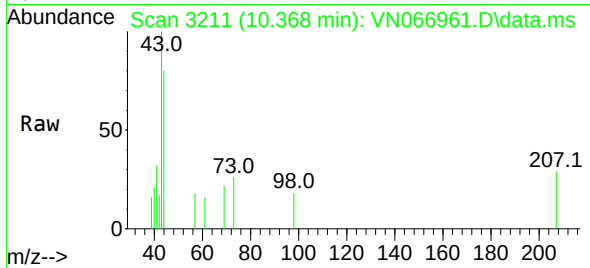




#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.368 min Scan# 3211
Delta R.T. -0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

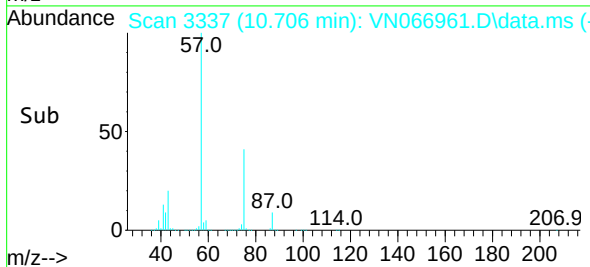
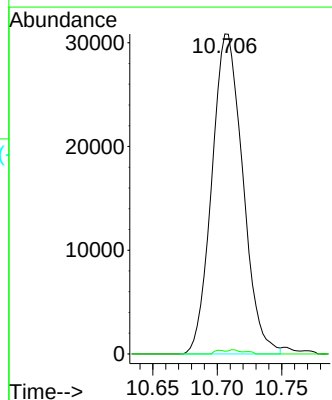
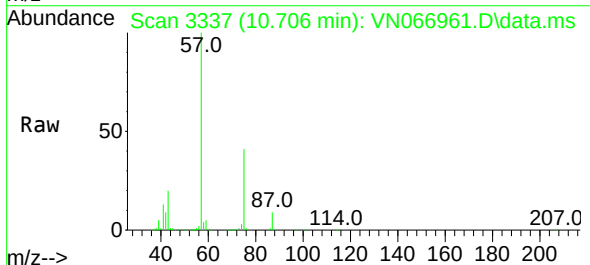
Instrument :
MSVOA_N
ClientSampled :

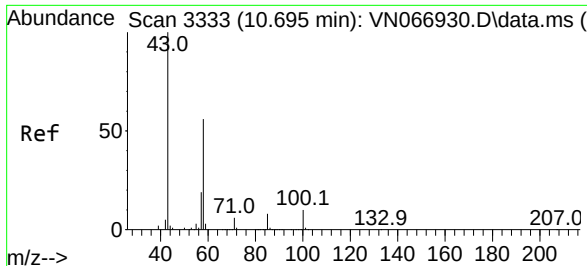
Tgt Ion: 69 Resp: 182
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.72 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 76 Resp: 51470
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

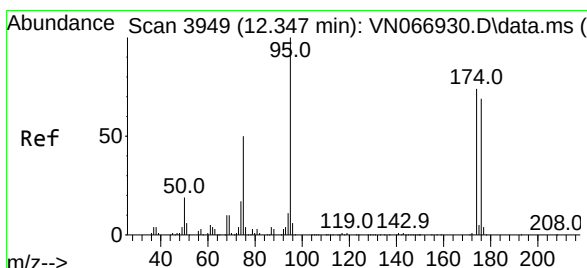
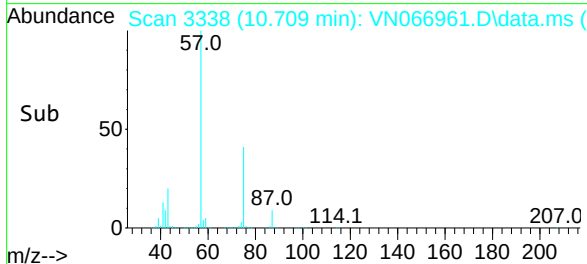
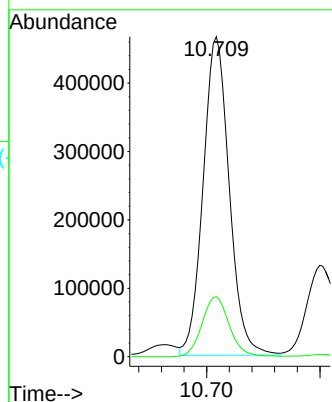
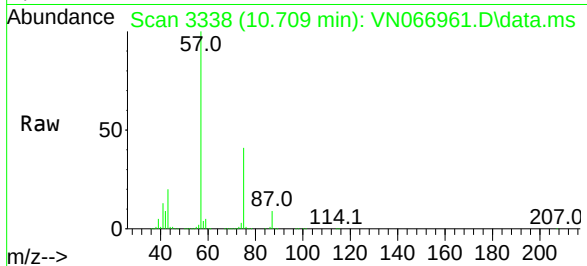




#59
2-Hexanone
Concen: 140.85 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

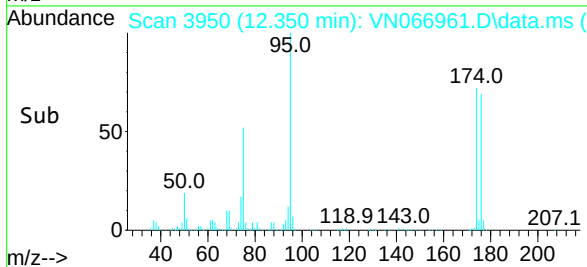
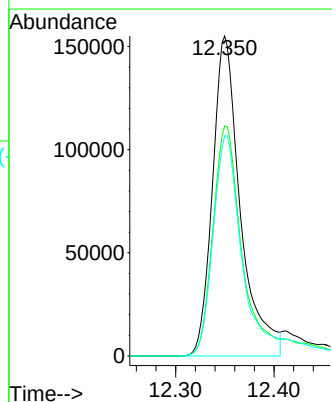
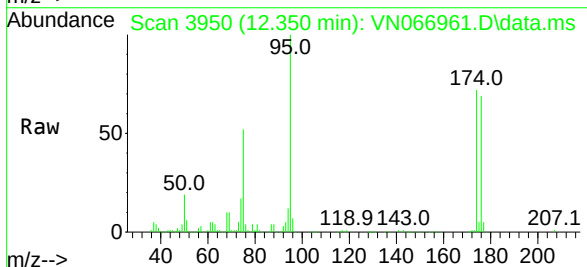
Instrument :
MSVOA_N
ClientSampled :

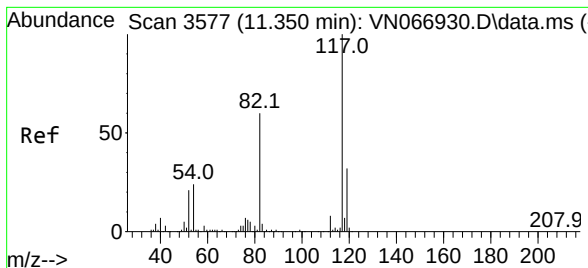
Tgt Ion: 43 Resp: 745500
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 43.23 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

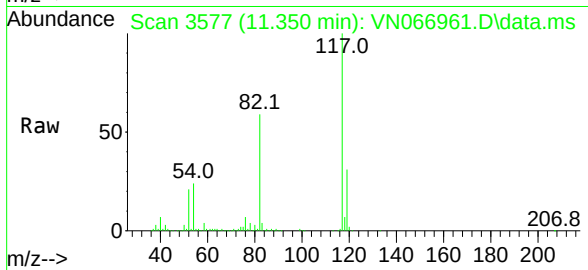
Tgt Ion: 95 Resp: 305594
Ion Ratio Lower Upper
95 100
174 80.6 0.0 169.0
176 76.8 0.0 162.4



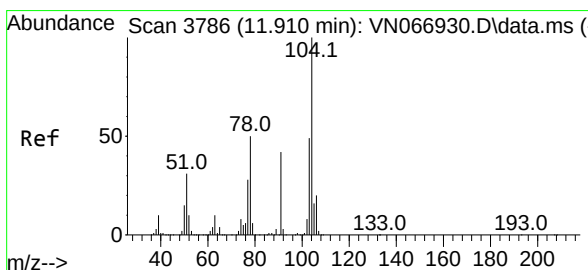
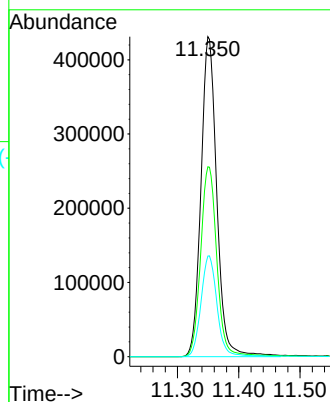
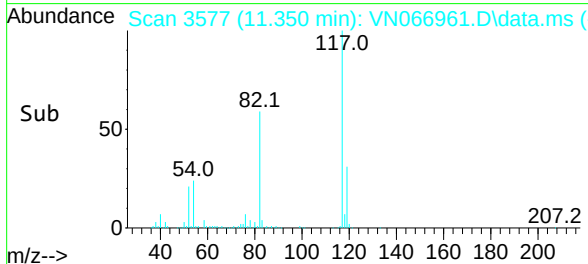


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

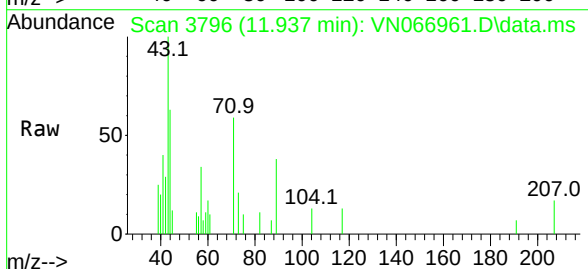
Instrument :
MSVOA_N
ClientSampled :



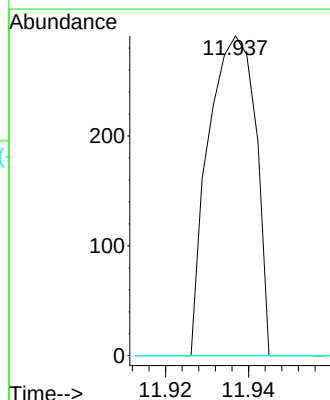
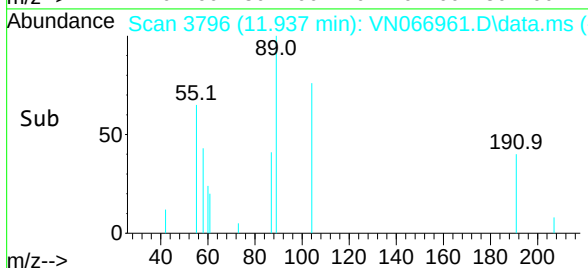
Tgt Ion:117 Resp: 773878
Ion Ratio Lower Upper
117 100
82 59.3 43.7 65.5
119 31.5 26.1 39.1

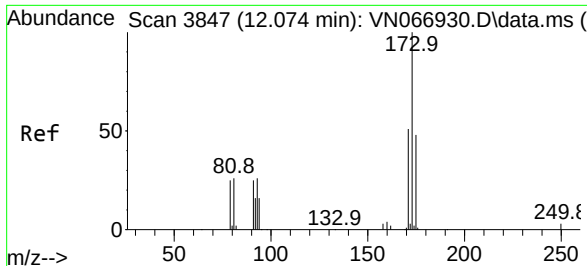


#70
Styrene
Concen: 4.72 ug/l
RT: 11.937 min Scan# 3796
Delta R.T. 0.027 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21



Tgt Ion:104 Resp: 229
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

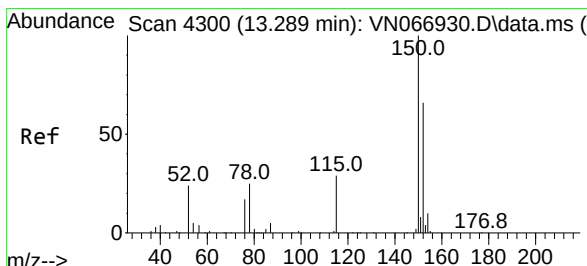
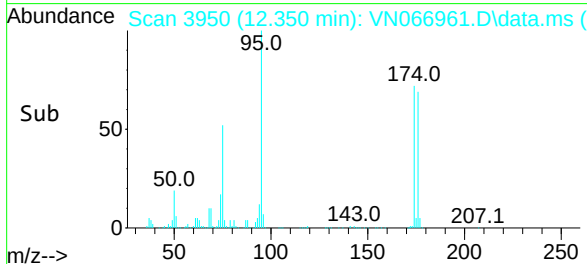
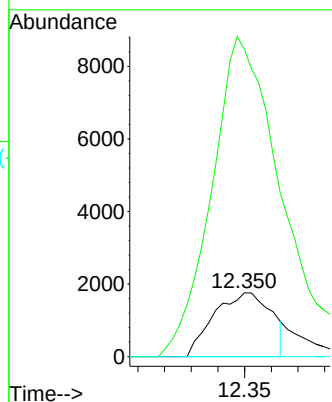
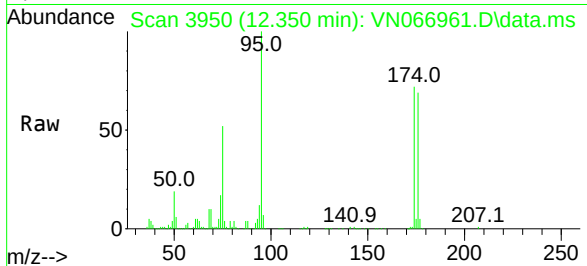




#71
Bromoform
Concen: 0.57 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

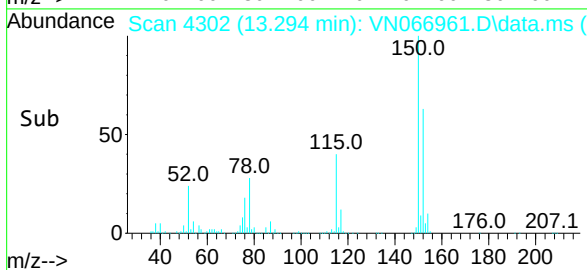
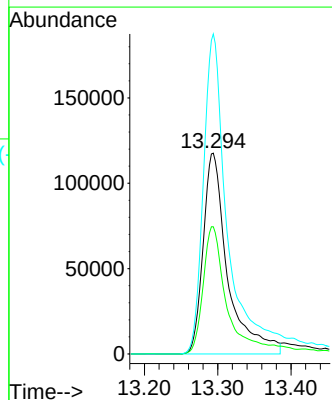
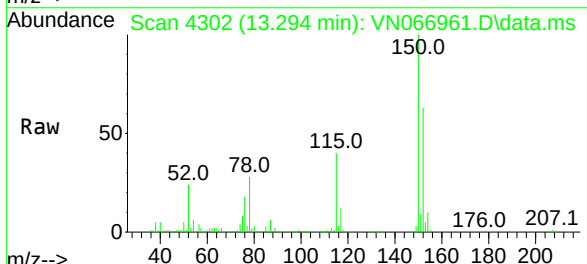
Instrument :
MSVOA_N
ClientSampleId :

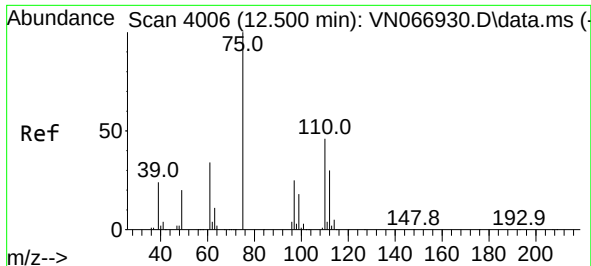
Tgt Ion:173 Resp: 2631
Ion Ratio Lower Upper
173 100
175 502.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion:152 Resp: 274046
Ion Ratio Lower Upper
152 100
115 63.6 28.5 85.6
150 162.6 0.0 347.6

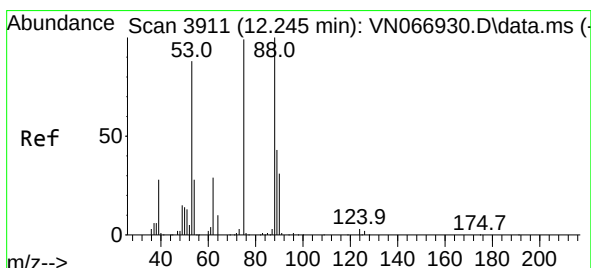
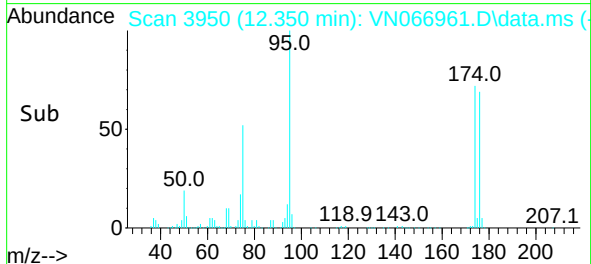
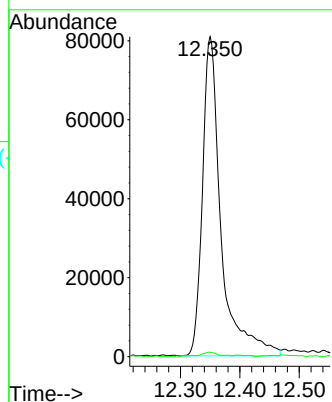
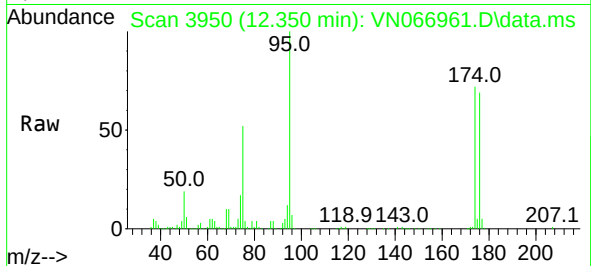




#76
1,2,3-Trichloropropane
Concen: 26.97 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

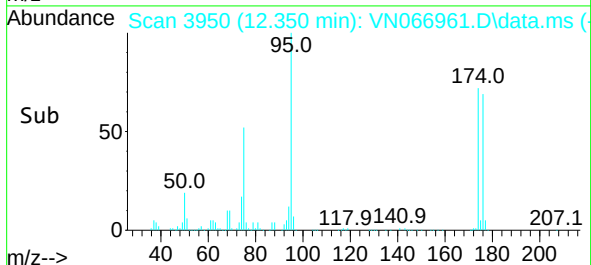
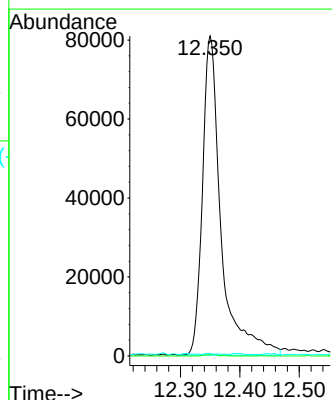
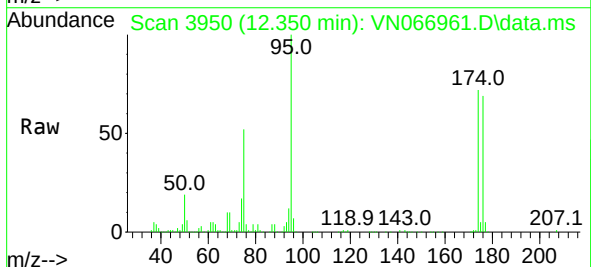
Instrument :
MSVOA_N
ClientSampled :

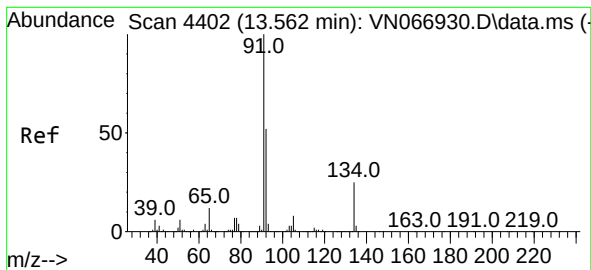
Tgt Ion: 75 Resp: 176088
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.73 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066961.D
Acq: 5 May 2021 2:21

Tgt Ion: 75 Resp: 176088
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#





#89

n-Butylbenzene

Concen: 5.24 ug/l

RT: 13.592 min Scan# 4413

Delta R.T. 0.030 min

Lab File: VN066961.D

Acq: 5 May 2021 2:21

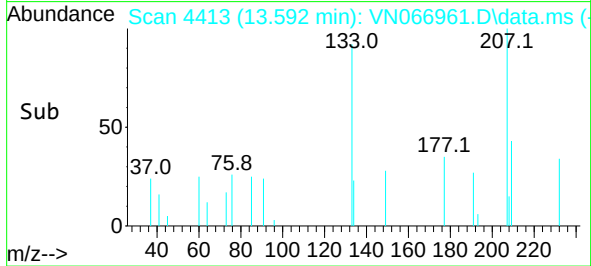
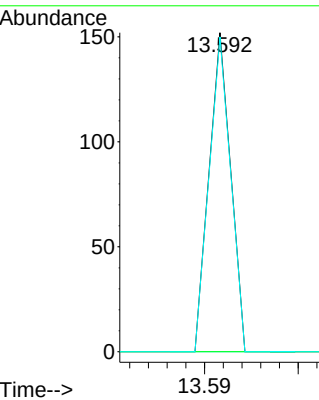
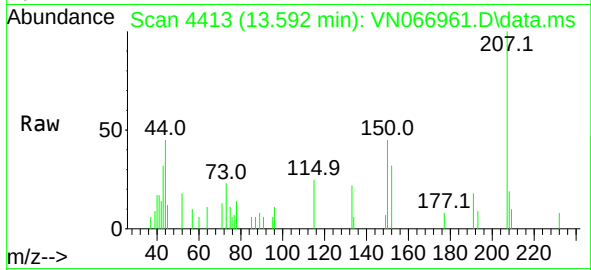
Tgt Ion: 91 Resp: 24

Ion Ratio Lower Upper

91 100

92 0.0 26.1 78.3#

134 100.0 13.0 38.9#



Instrument :
MSVOA_N
ClientSampleId :