

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066972.D
 Acq On : 5 May 2021 6:45
 Operator : JC/MD
 Sample : M2256-19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

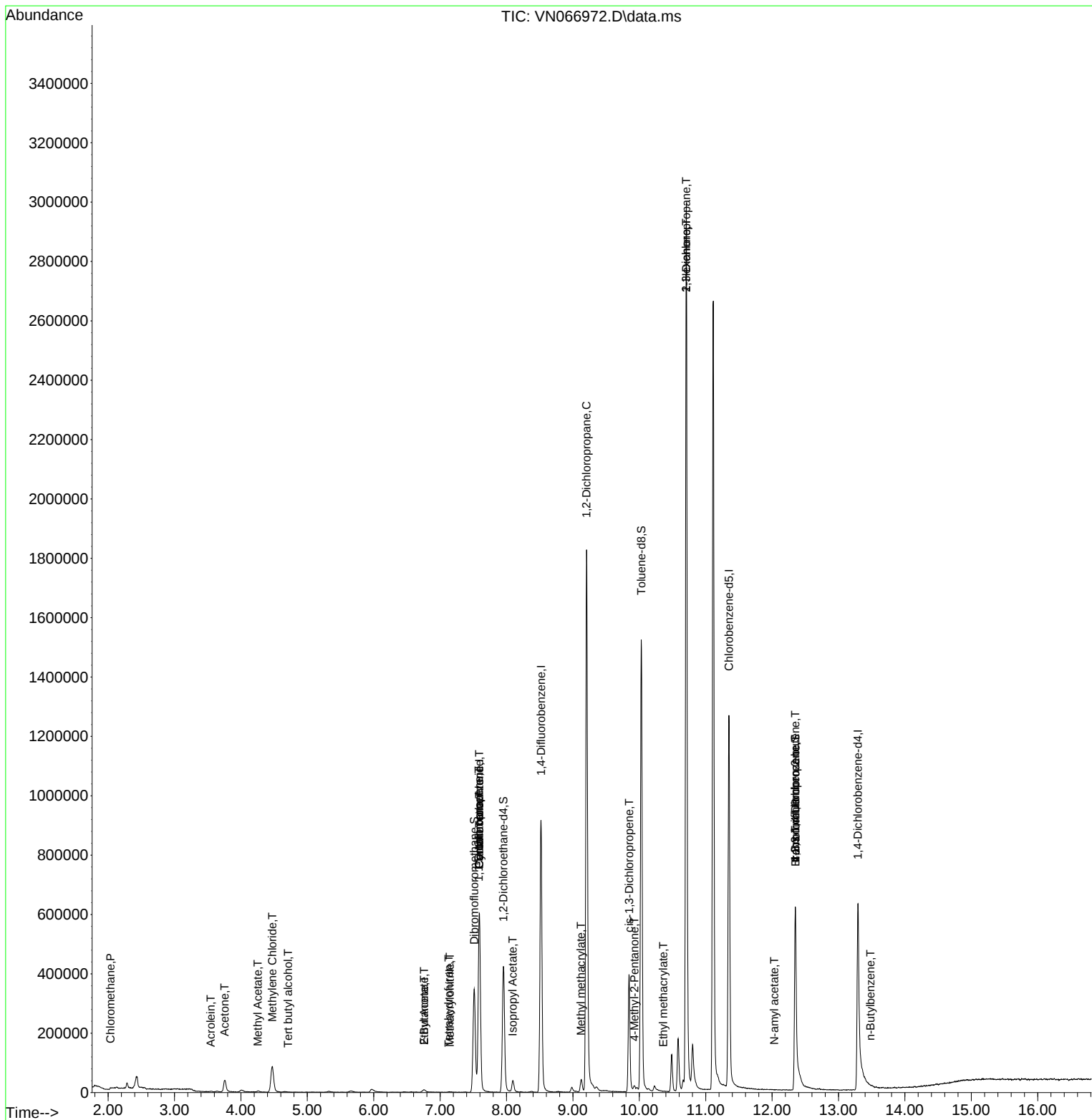
Quant Time: May 05 07:52:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

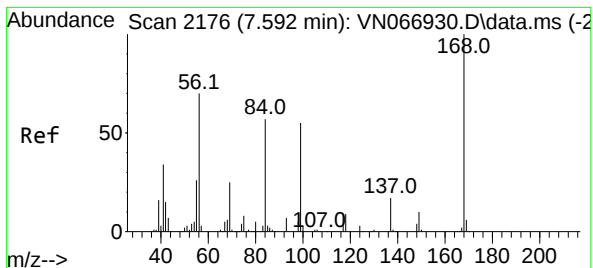
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.589	168	454263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	771242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	718555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	241291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	382196	53.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.90%			
35) Dibromofluoromethane	7.514	113	266517	50.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.78%			
50) Toluene-d8	10.030	98	1039750	52.13	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.26%			
62) 4-Bromofluorobenzene	12.350	95	297681	44.08	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.16%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2188	0.25	ug/l	90
11) Tert butyl alcohol	4.709	59	224	0.22	ug/l #	73
13) Acrolein	3.545	56	945	1.13	ug/l #	66
16) Acetone	3.754	43	67793	26.95	ug/l	98
18) Methyl Acetate	4.256	43	6384	0.89	ug/l #	78
20) Methylene Chloride	4.473	84	61651	9.66	ug/l	90
25) 2-Butanone	6.758	43	11678	3.15	ug/l #	85
29) Tetrahydrofuran	7.131	42	930	0.38	ug/l #	67
31) Cyclohexane	7.589	56	11347	1.13	ug/l #	12
36) 1,1-Dichloropropene	7.584	75	41183	5.13	ug/l #	44
37) Ethyl Acetate	6.758	43	11678	1.43	ug/l #	68
38) Carbon Tetrachloride	7.589	117	49219	5.88	ug/l #	17
41) Methacrylonitrile	7.147	41	1120	0.32	ug/l #	100
43) Isopropyl Acetate	8.094	43	48591	3.66	ug/l #	87
45) 1,2-Dichloropropane	9.204	63	2563	0.36	ug/l #	44
48) Methyl methacrylate	9.121	41	11670	1.98	ug/l #	10
51) 4-Methyl-2-Pentanone	9.925	43	14027	1.83	ug/l #	81
54) cis-1,3-Dichloropropene	9.848	75	70469	6.66	ug/l #	66
56) Ethyl methacrylate	10.363	69	215	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	29725	2.85	ug/l #	43
59) 2-Hexanone	10.709	43	432990	96.75	ug/l #	50
71) Bromoform	12.353	173	2462	0.57	ug/l #	1
74) N-amyl acetate	12.033	43	834	0.25	ug/l #	53
76) 1,2,3-Trichloropropane	12.350	75	152644	26.56	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	152644	79.57	ug/l #	12
89) n-Butylbenzene	13.482	91	55	5.24	ug/l #	34

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

Quant Time: May 05 07:52:11 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



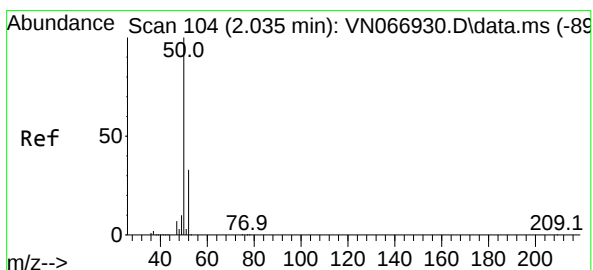
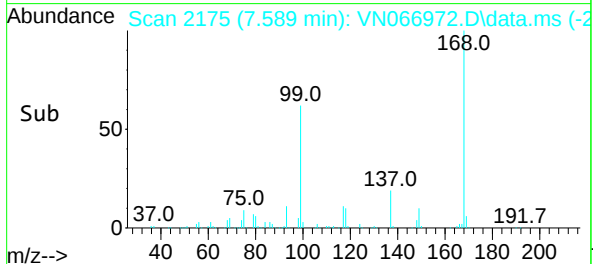
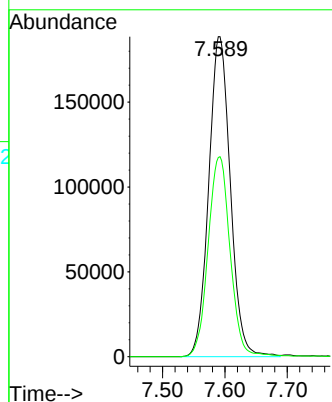
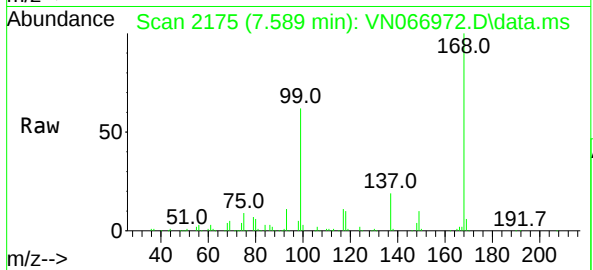


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.589 min Scan# 2175
 Delta R.T. -0.003 min
 Lab File: VN066972.D
 Acq: 5 May 2021 6:45

Instrument :
 MSVOA_N
 ClientSampleId :

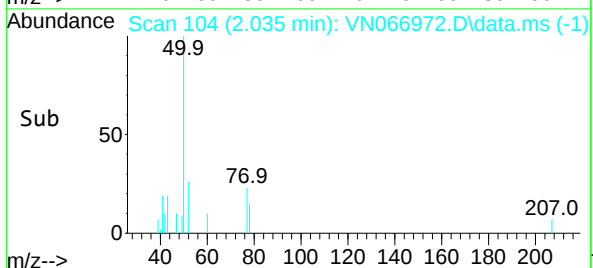
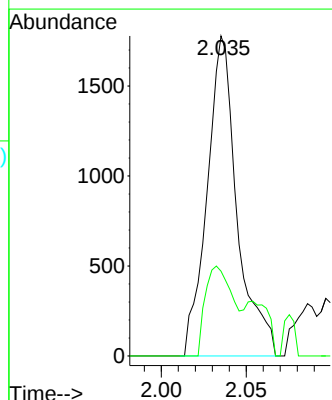
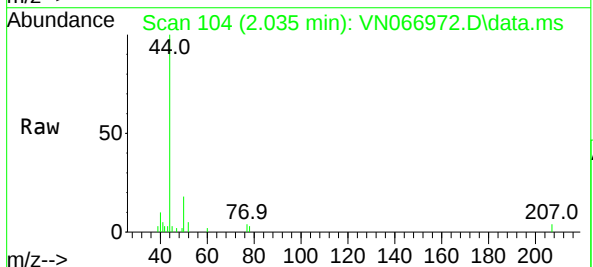
Tgt Ion:168 Resp: 454263
 Ion Ratio Lower Upper
 168 100
 99 62.2 42.6 63.8

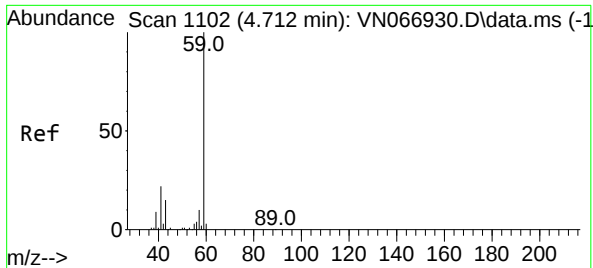


#3

Chloromethane
 Concen: 0.25 ug/l
 RT: 2.035 min Scan# 104
 Delta R.T. 0.000 min
 Lab File: VN066972.D
 Acq: 5 May 2021 6:45

Tgt Ion: 50 Resp: 2188
 Ion Ratio Lower Upper
 50 100
 52 26.5 25.8 38.8

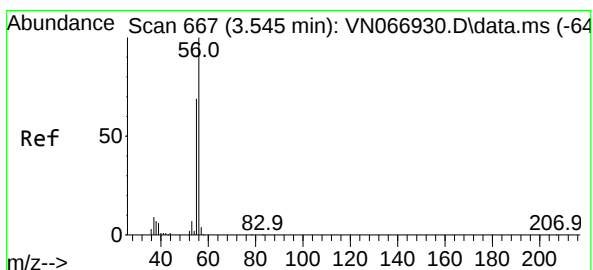
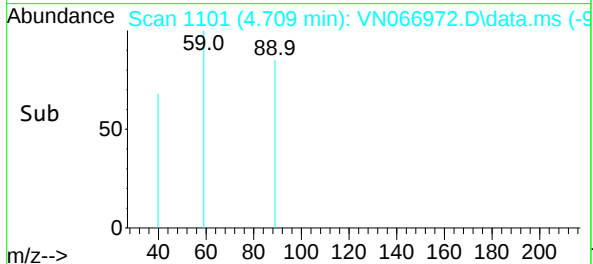
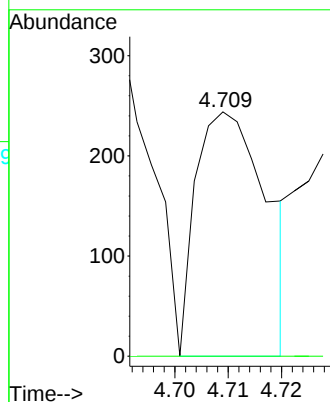
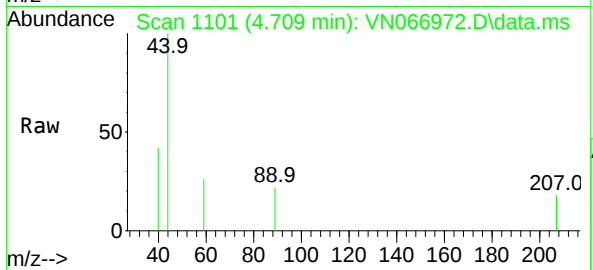




#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 4.709 min Scan# 1101
Delta R.T. -0.003 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

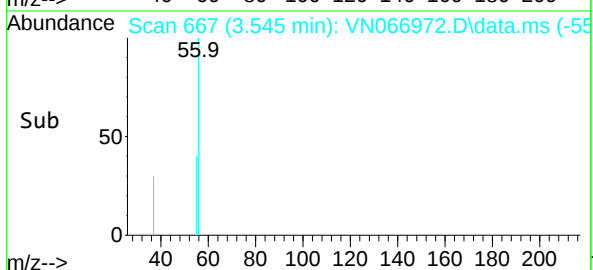
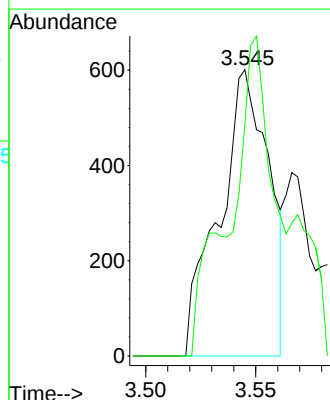
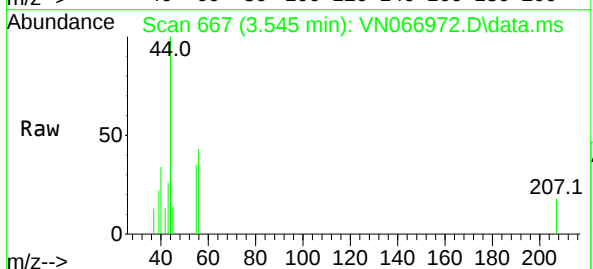
Instrument :
MSVOA_N
ClientSampled :

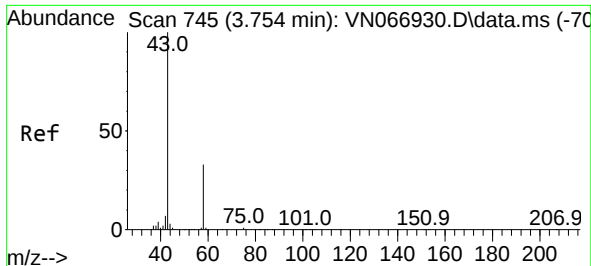
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.13 ug/l
RT: 3.545 min Scan# 667
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

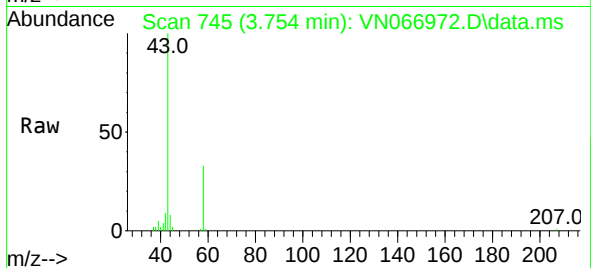
Tgt Ion: 56 Resp: 945
Ion Ratio Lower Upper
56 100
55 41.8 56.0 84.0#



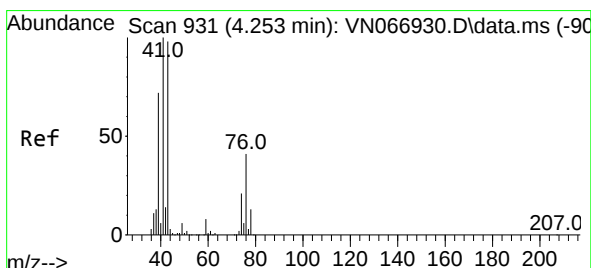
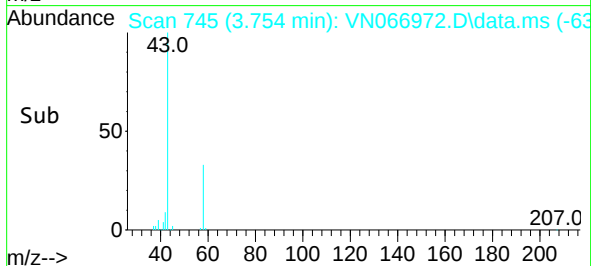
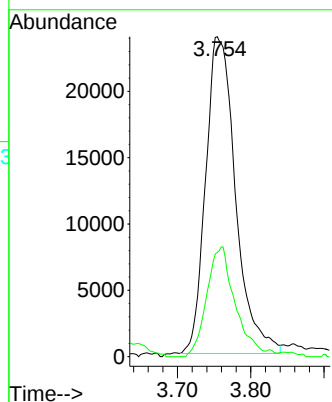


#16
Acetone
Concen: 26.95 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampled :

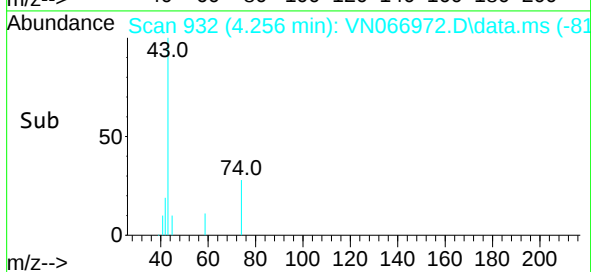
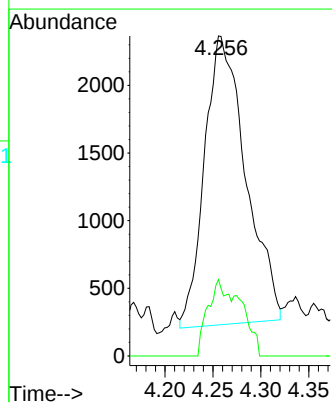
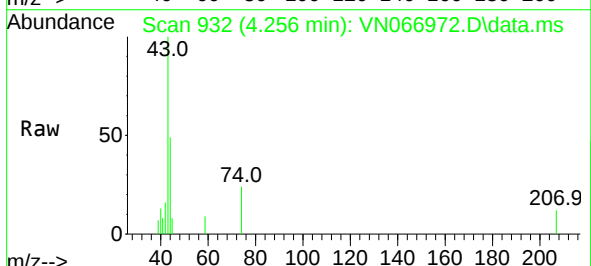


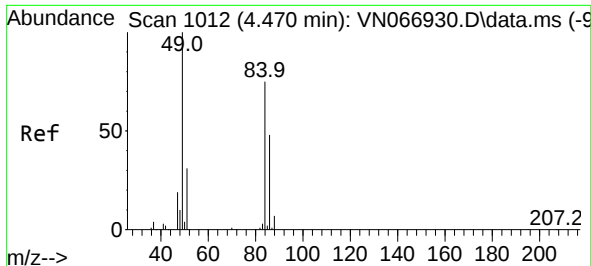
Tgt Ion: 43 Resp: 67793
Ion Ratio Lower Upper
43 100
58 32.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.89 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

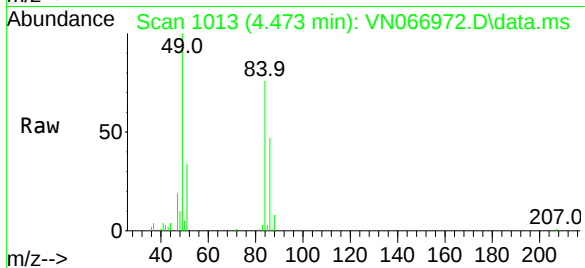
Tgt Ion: 43 Resp: 6384
Ion Ratio Lower Upper
43 100
74 13.3 19.5 29.3#



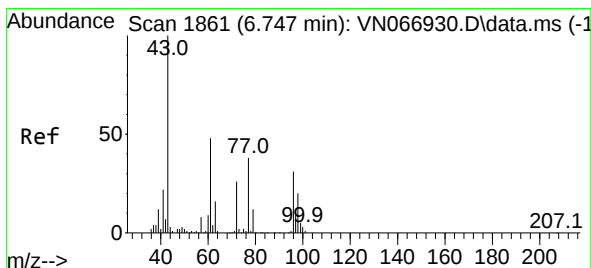
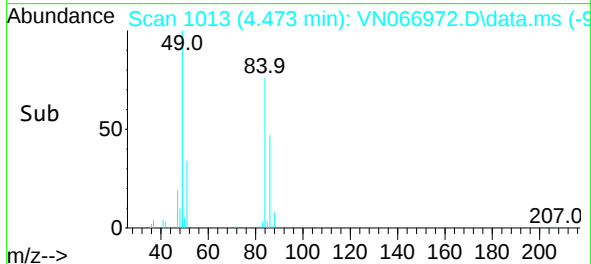
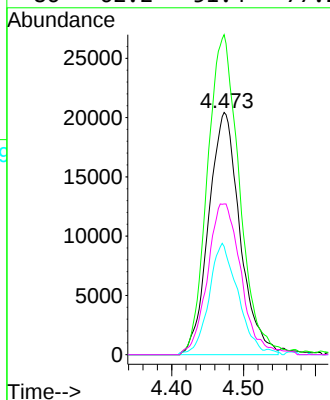


#20
Methylene Chloride
Concen: 9.66 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampled :

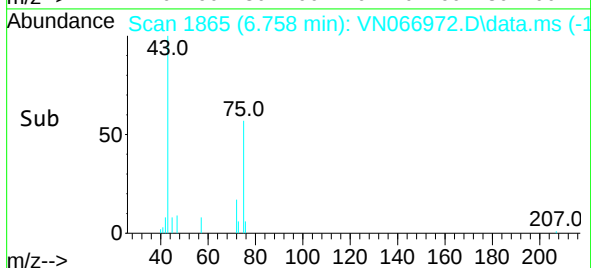
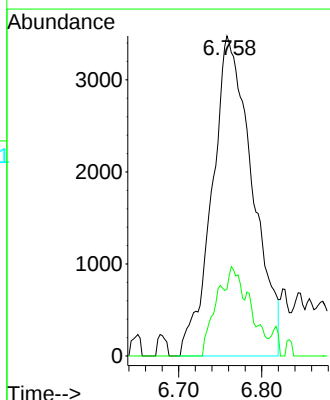
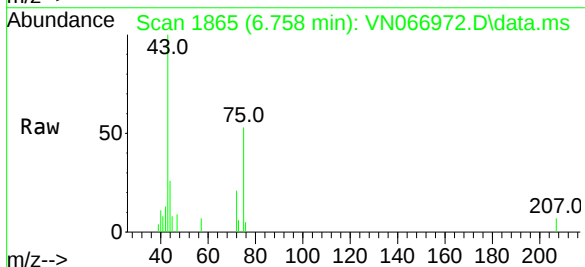


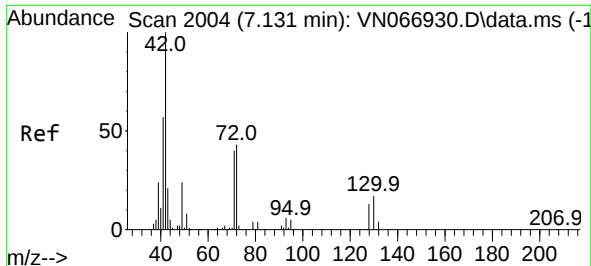
Tgt Ion:	84	Resp:	61651
Ion	Ratio	Lower	Upper
84	100		
49	132.1	94.6	141.8
51	44.7	29.9	44.9
86	62.2	51.4	77.2



#25
2-Butanone
Concen: 3.15 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

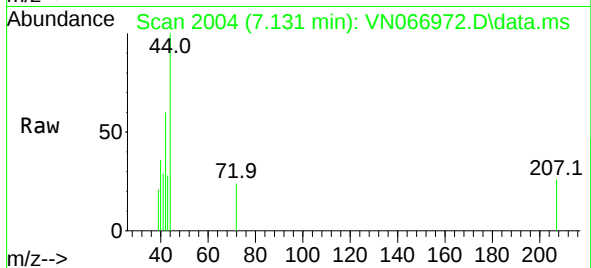
Tgt Ion:	43	Resp:	11678
Ion	Ratio	Lower	Upper
43	100		
72	20.9	23.1	34.7#



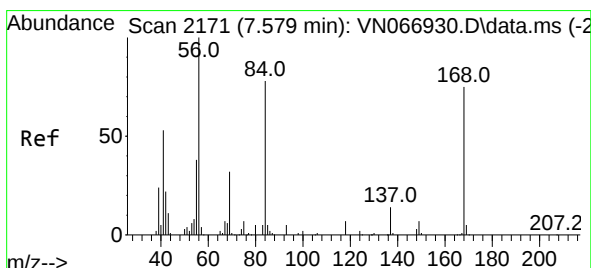
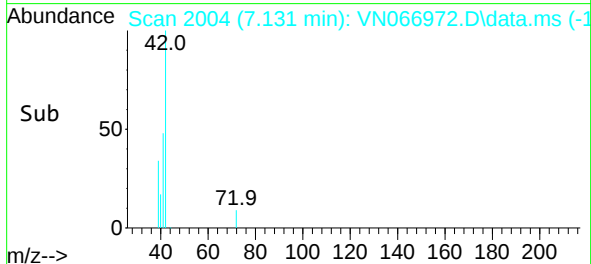
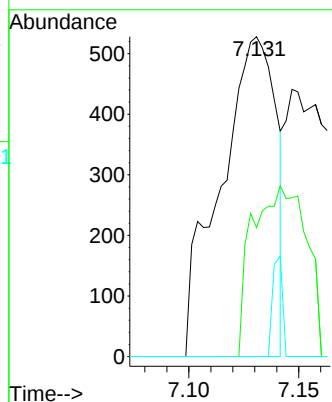


#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 7.131 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :

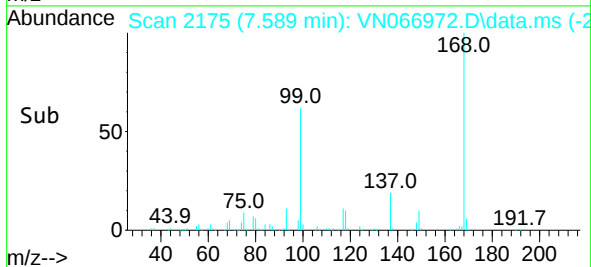
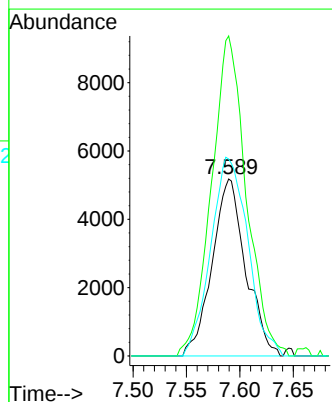
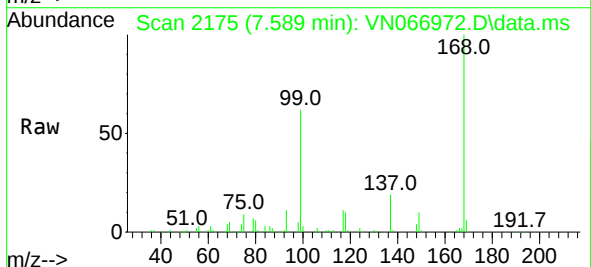


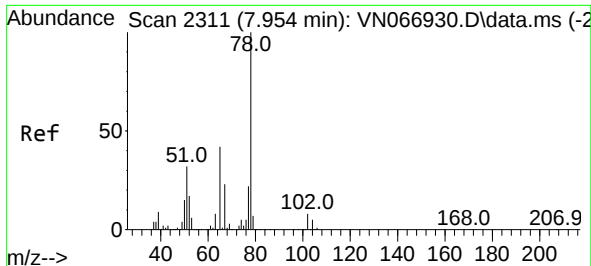
Tgt Ion:	42	Resp:	930
Ion	Ratio	Lower	Upper
42	100		
72	51.7	36.6	55.0
71	5.5	34.3	51.5#



#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion:	56	Resp:	11347
Ion	Ratio	Lower	Upper
56	100		
69	176.9	26.6	39.8#
84	111.3	70.4	105.6#

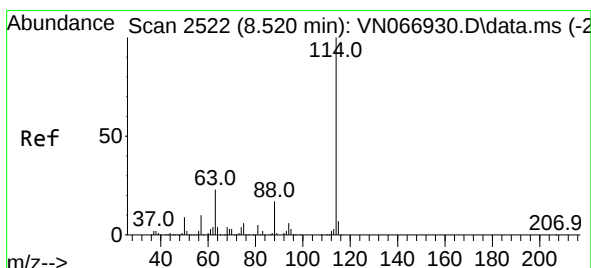
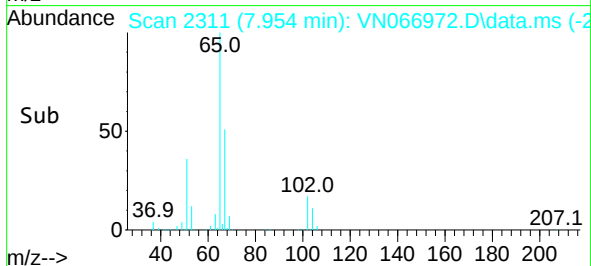
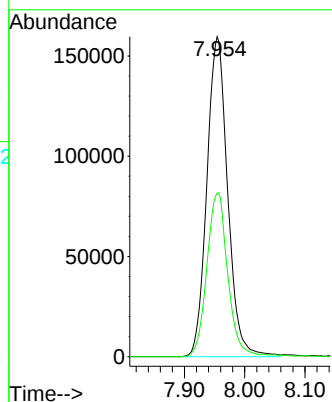
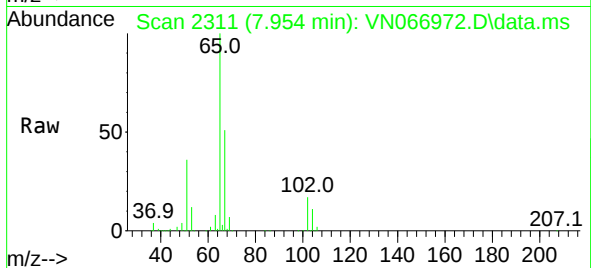




#33
1,2-Dichloroethane-d4
Concen: 53.45 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

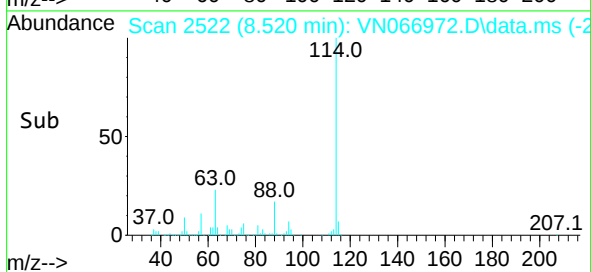
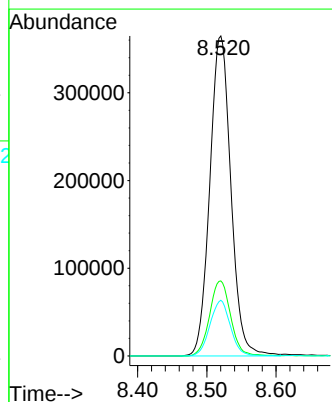
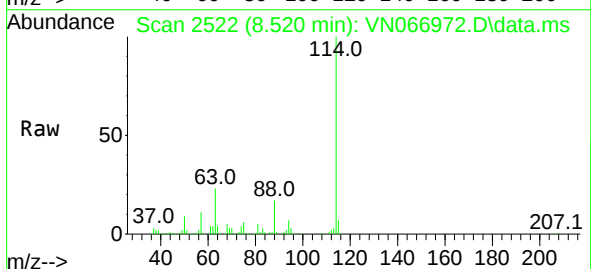
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MSVOA_N
ClientSampled :

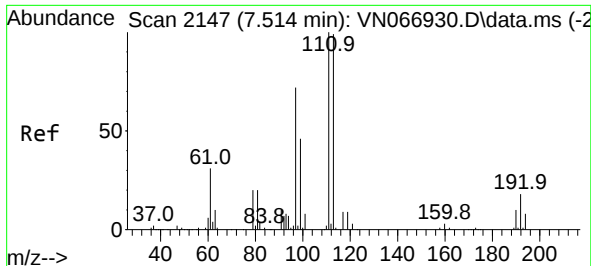
Tgt Ion: 65 Resp: 382196
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 114 Resp: 771242
Ion Ratio Lower Upper
114 100
63 23.4 0.0 38.6
88 17.4 0.0 30.6

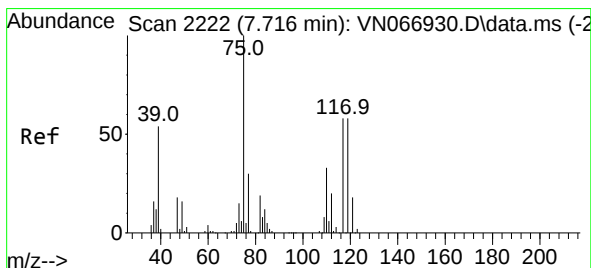
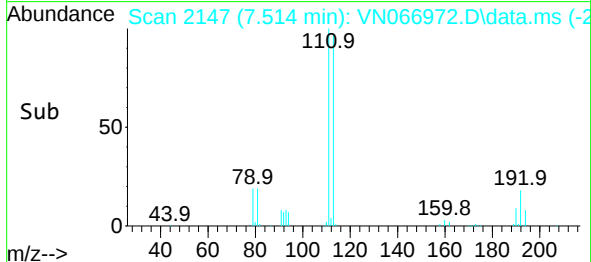
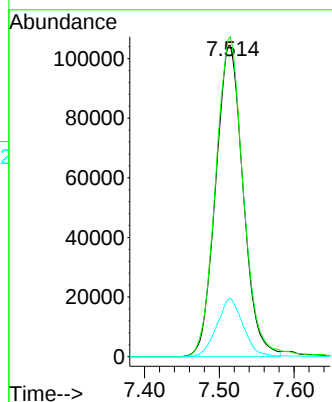
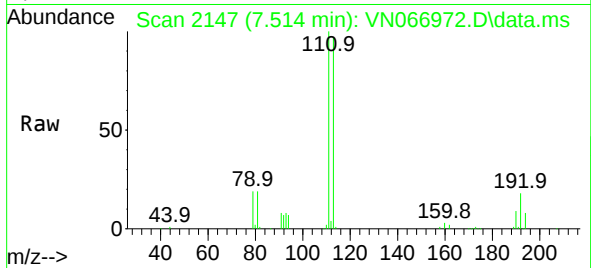




#35
Dibromofluoromethane
Concen: 50.89 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

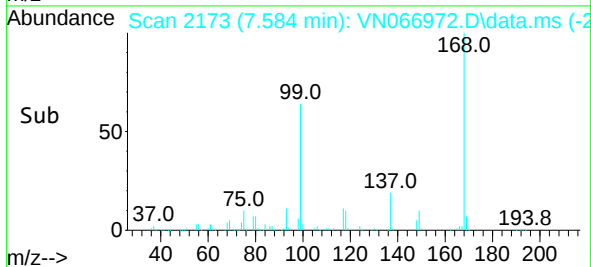
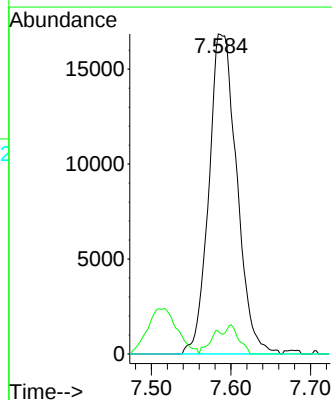
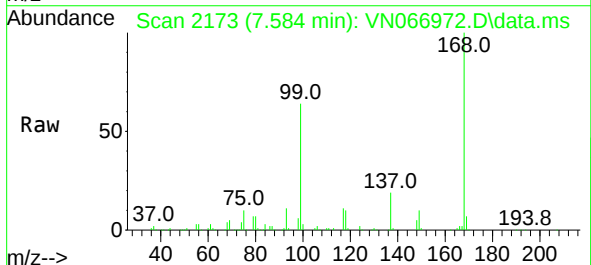
Instrument :
MSVOA_N
ClientSampled :

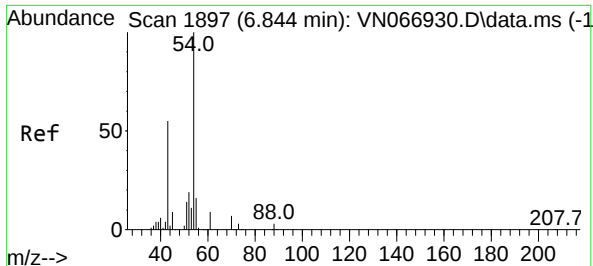
Tgt Ion:113 Resp: 266517
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 75 Resp: 41183
Ion Ratio Lower Upper
75 100
110 3.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.43 ug/l

RT: 6.758 min Scan# 1865

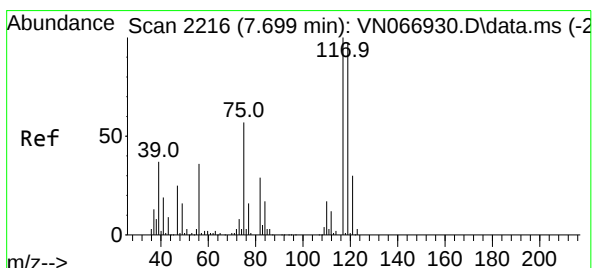
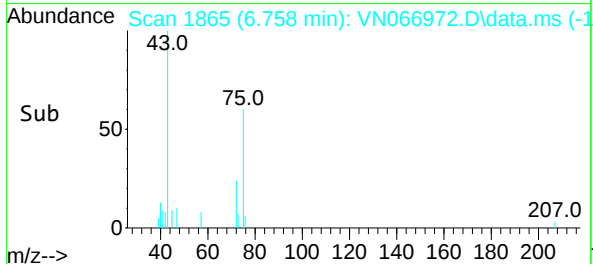
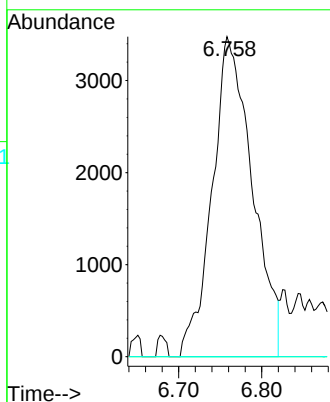
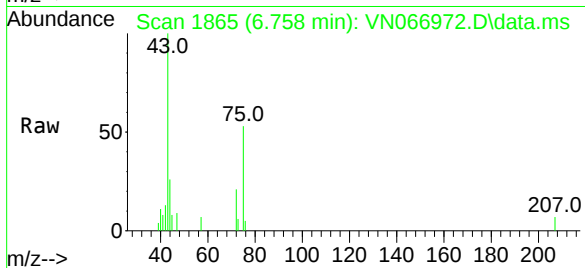
Delta R.T. -0.086 min

Lab File: VN066972.D

Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	11678
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.88 ug/l

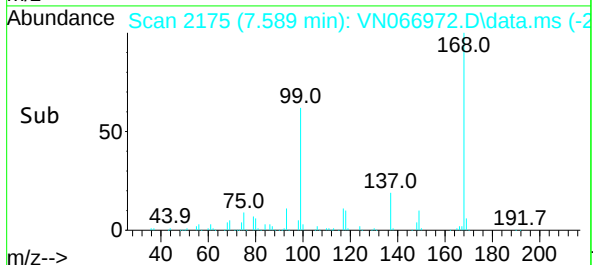
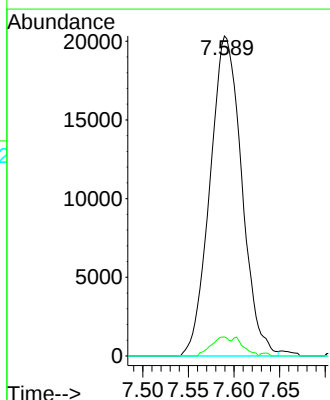
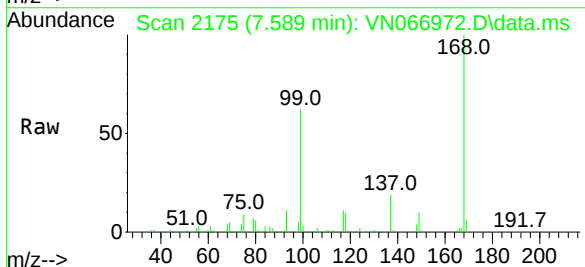
RT: 7.589 min Scan# 2175

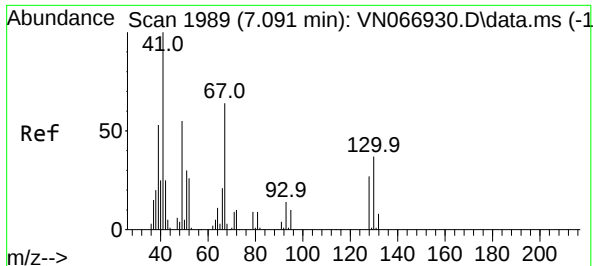
Delta R.T. -0.110 min

Lab File: VN066972.D

Acq: 5 May 2021 6:45

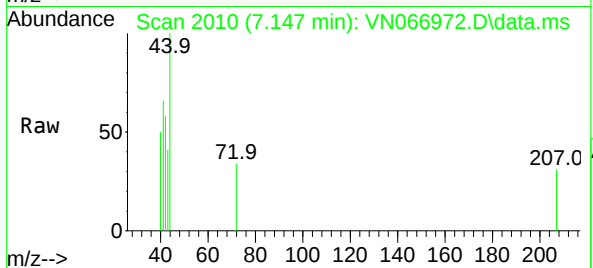
Tgt Ion:	117	Resp:	49219
Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.0	114.0#
121	0.0	24.5	36.7#



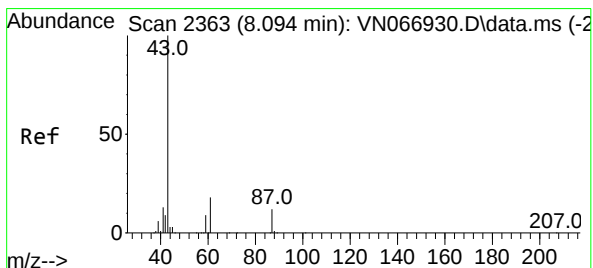
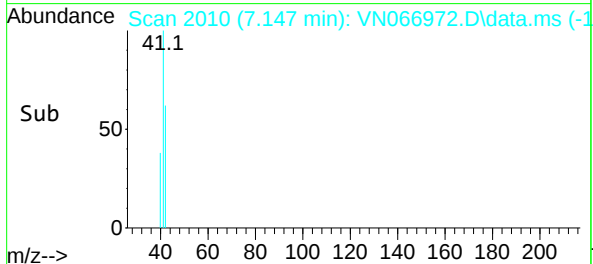
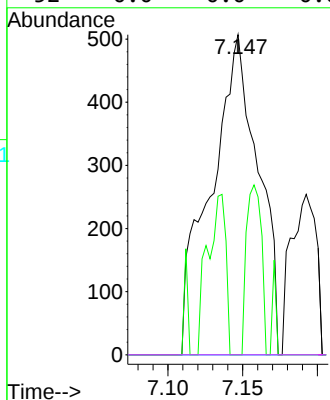


#41
Methacrylonitrile
Concen: 0.32 ug/l
RT: 7.147 min Scan# 2010
Delta R.T. 0.056 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :

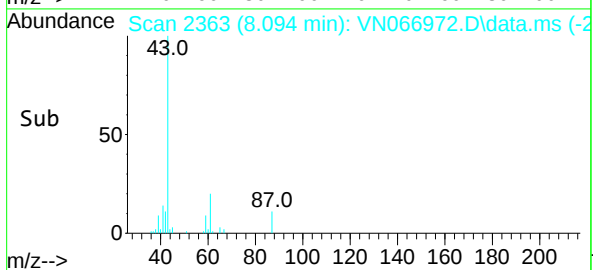
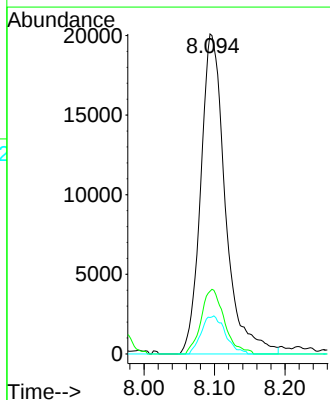
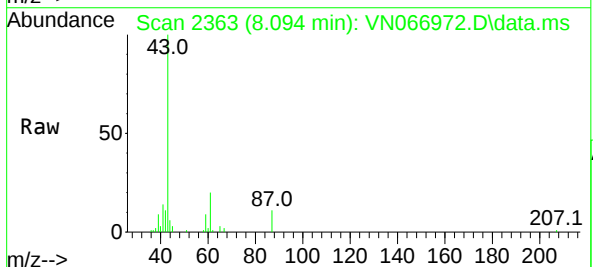


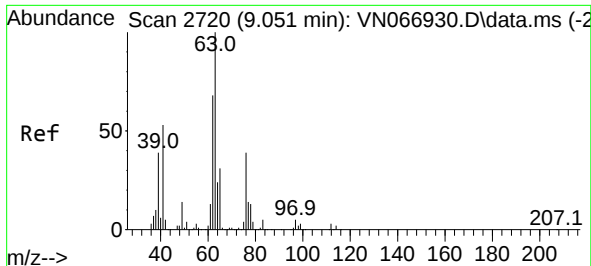
Tgt Ion	Ratio	Lower	Upper
41	100		
39	16.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.66 ug/l
RT: 8.094 min Scan# 2363
Delta R.T. -0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	22.5	33.7#
87	11.6	11.1	16.7

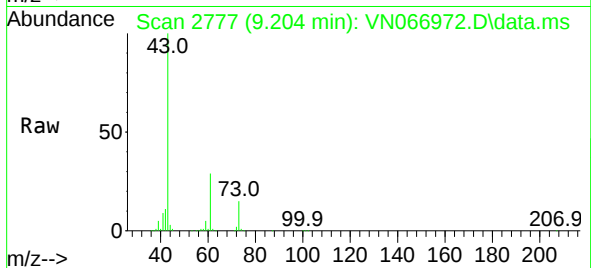




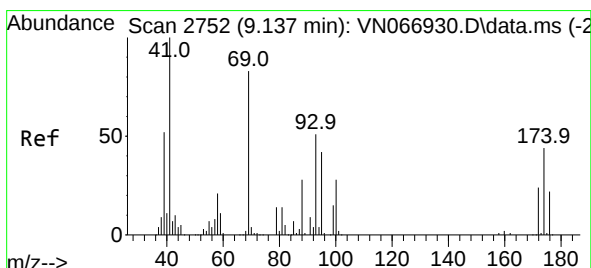
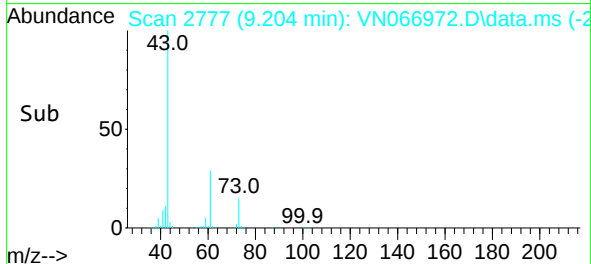
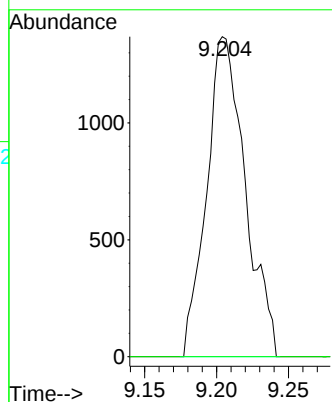
#45

1,2-Dichloropropane
Concen: 0.36 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampled :



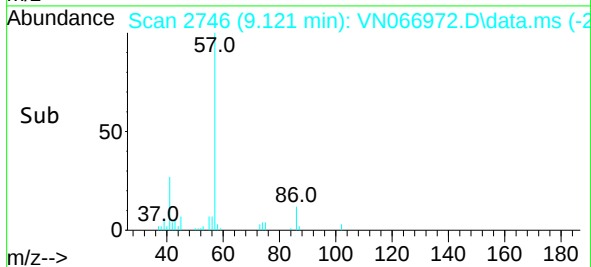
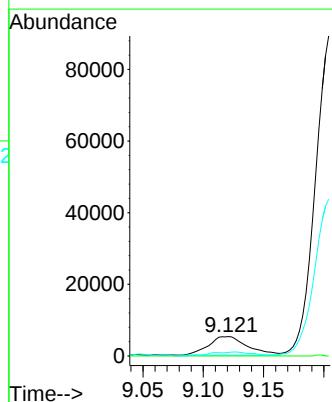
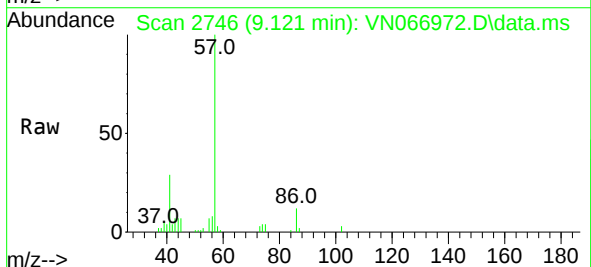
Tgt Ion: 63 Resp: 2563
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

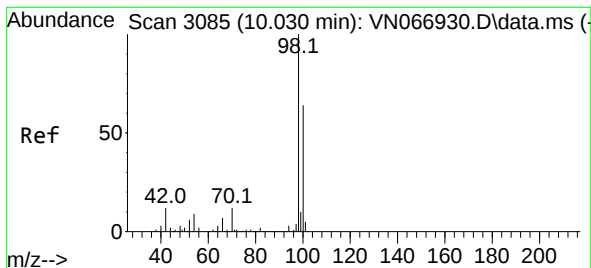


#48

Methyl methacrylate
Concen: 1.98 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 41 Resp: 11670
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

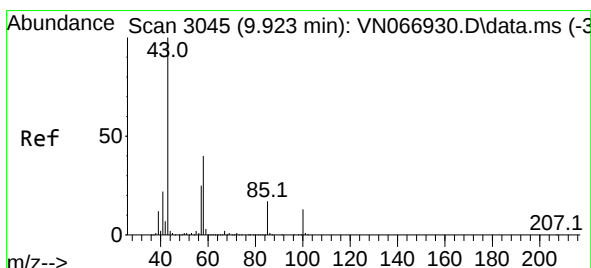
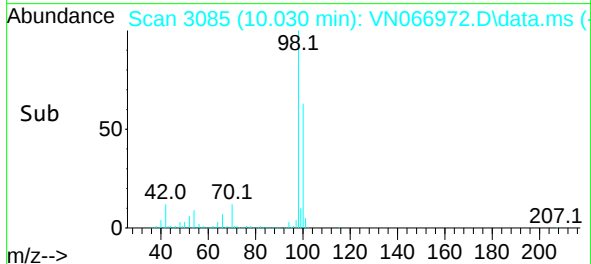
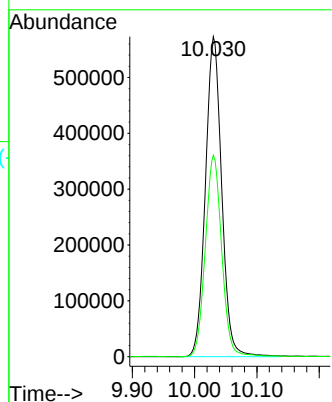
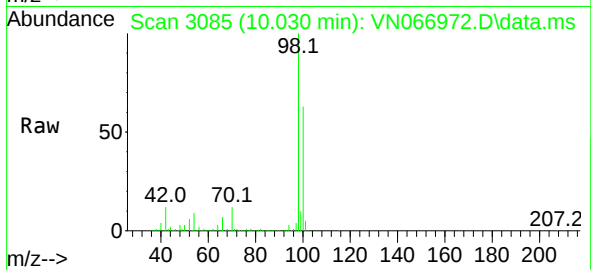




#50
Toluene-d8
Concen: 52.13 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

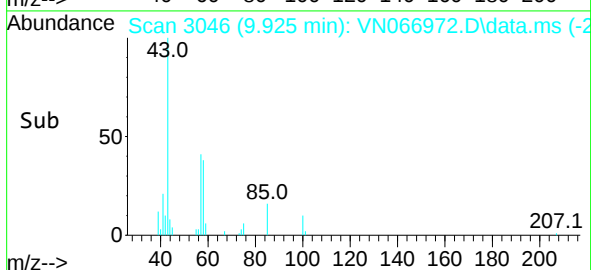
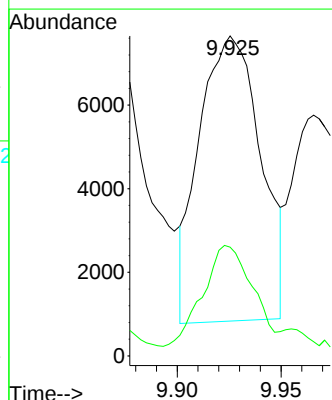
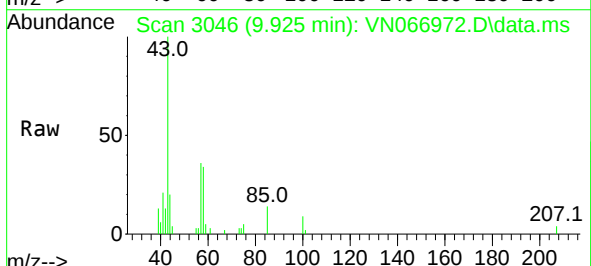
Instrument :
MSVOA_N
ClientSampled :

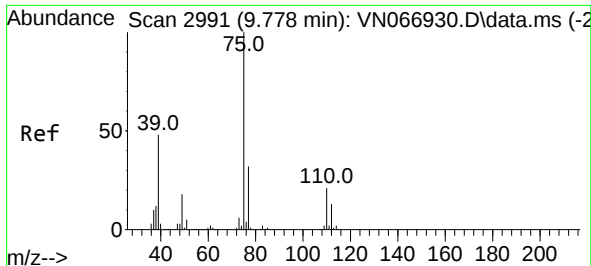
Tgt Ion: 98 Resp: 1039750
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.83 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 43 Resp: 14027
Ion Ratio Lower Upper
43 100
58 28.7 32.5 48.7#

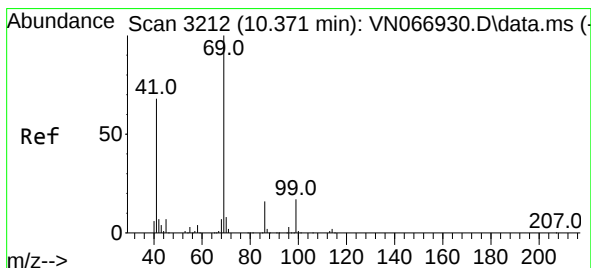
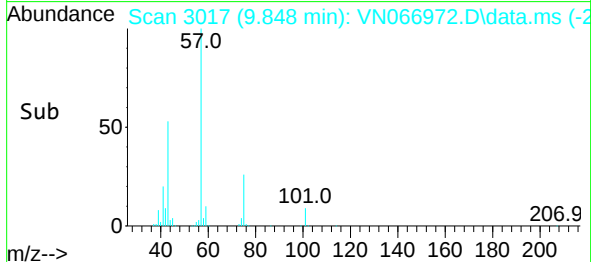
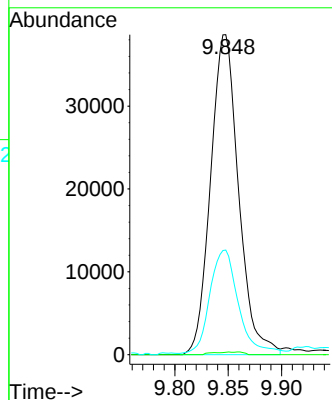
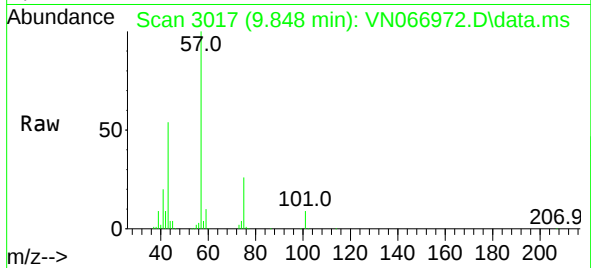




#54
cis-1,3-Dichloropropene
Concen: 6.66 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

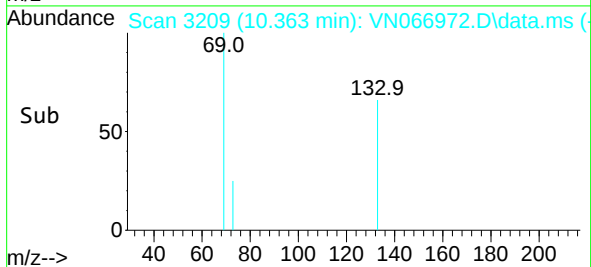
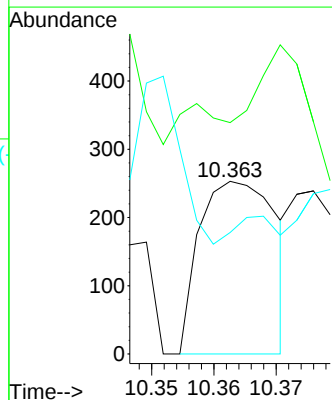
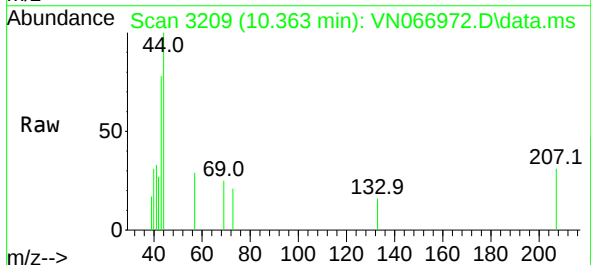
Instrument :
MSVOA_N
ClientSampled :

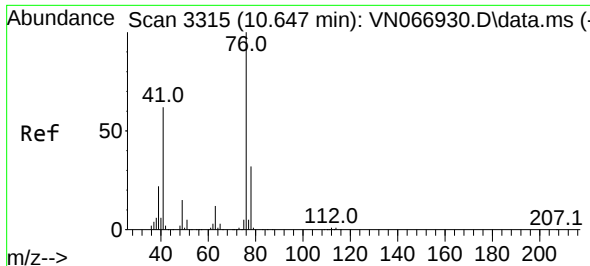
Tgt Ion: 75 Resp: 70469
Ion Ratio Lower Upper
75 100
77 0.8 24.9 37.3#
39 32.3 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.363 min Scan# 3209
Delta R.T. -0.008 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 69 Resp: 215
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

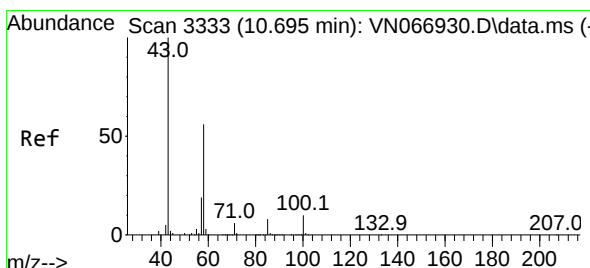
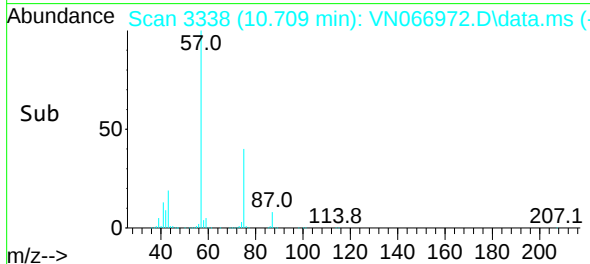
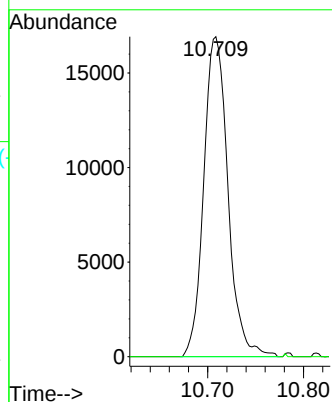
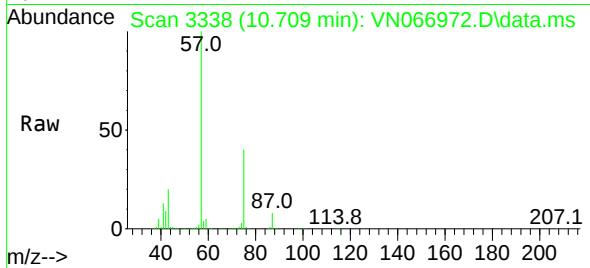




#57
1,3-Dichloropropane
Concen: 2.85 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

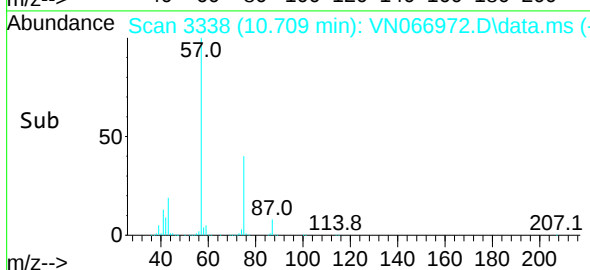
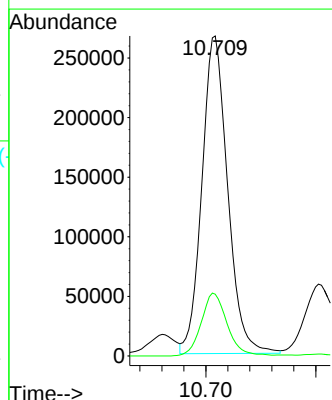
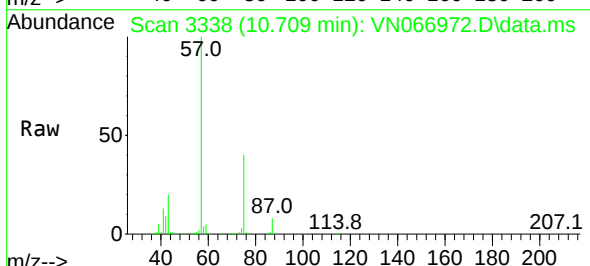
Instrument :
MSVOA_N
ClientSampled :

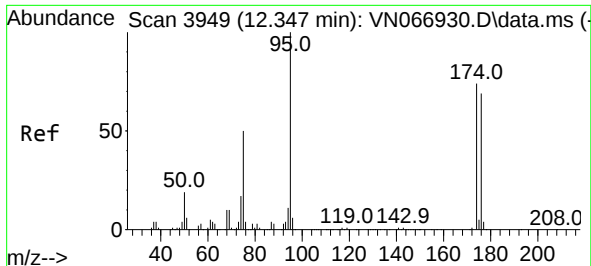
Tgt Ion: 76 Resp: 29725
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 96.75 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 43 Resp: 432990
Ion Ratio Lower Upper
43 100
58 19.9 28.1 84.3#

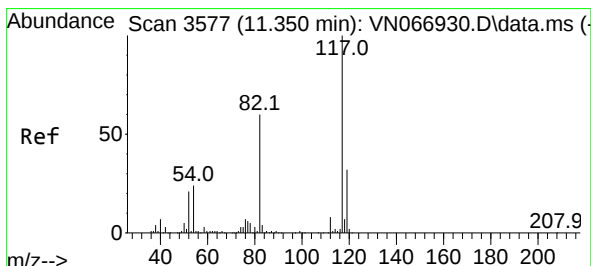
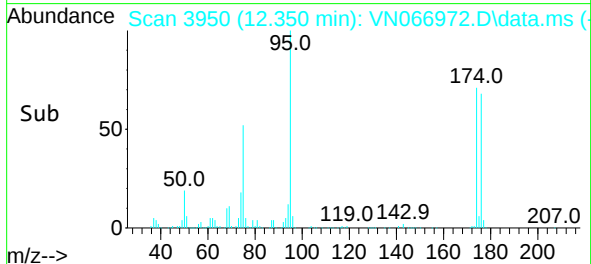
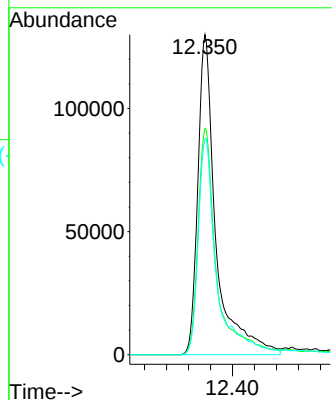
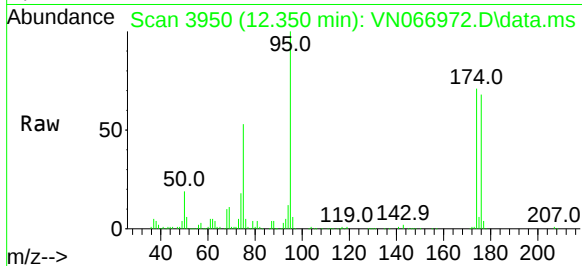




#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

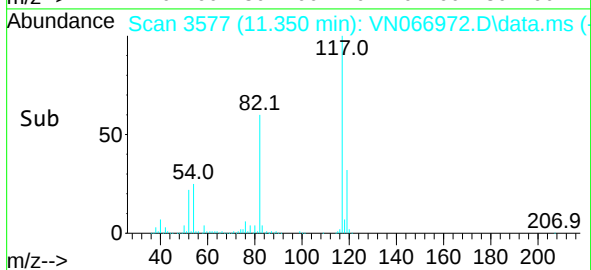
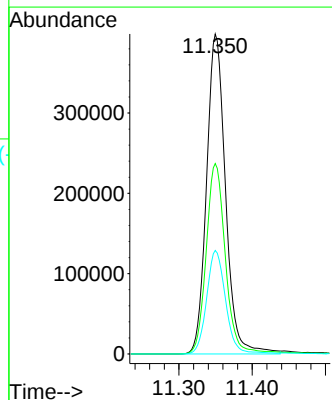
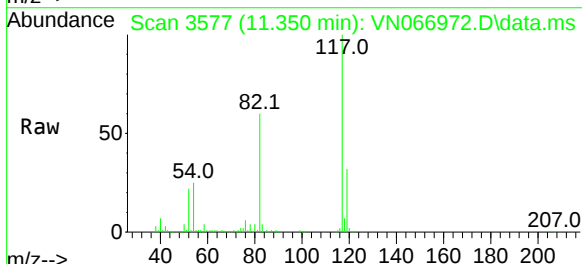
Instrument :
MSVOA_N
ClientSampled :

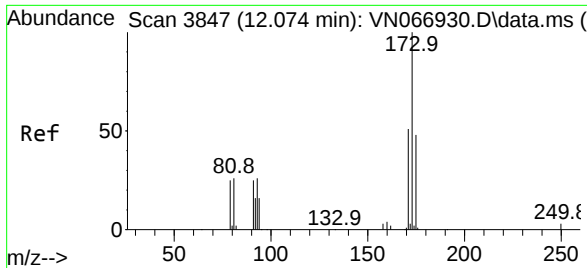
Tgt Ion: 95 Resp: 297681
Ion Ratio Lower Upper
95 100
174 72.1 0.0 169.0
176 68.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 117 Resp: 718555
Ion Ratio Lower Upper
117 100
82 59.5 43.7 65.5
119 32.3 26.1 39.1

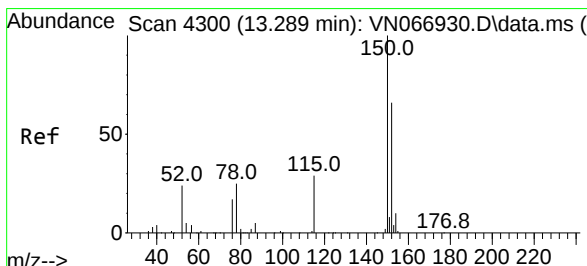
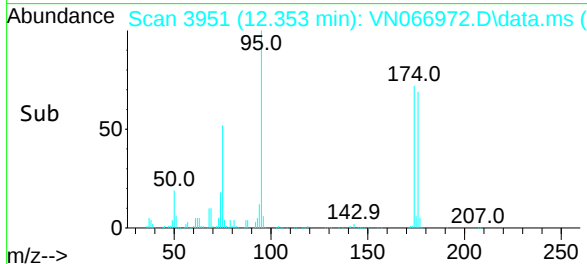
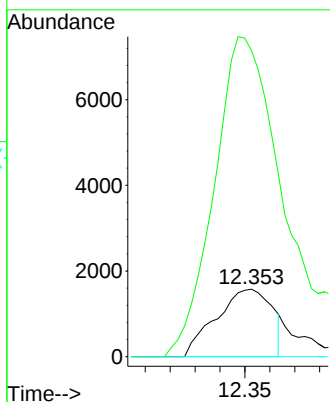
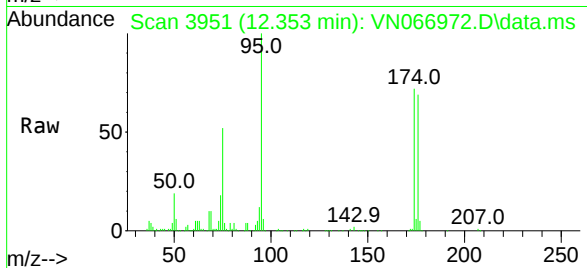




#71
Bromoform
Concen: 0.57 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.279 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

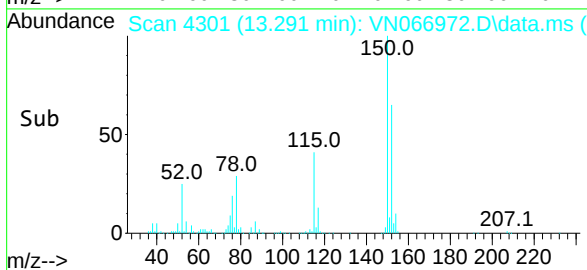
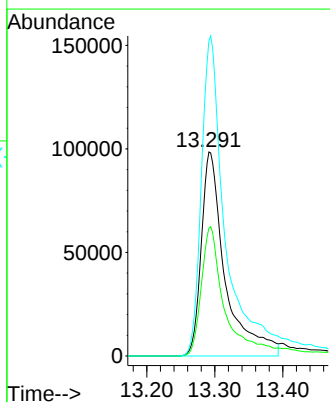
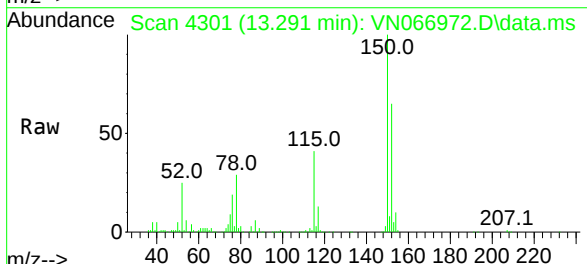
Instrument :
MSVOA_N
ClientSampleId :

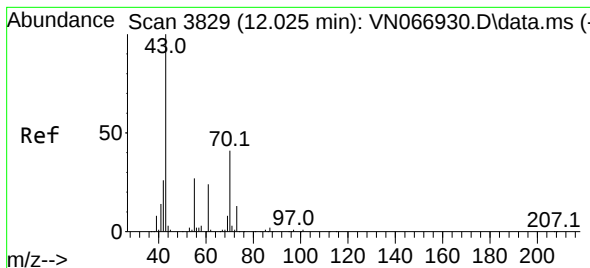
Tgt Ion:173 Resp: 2462
Ion Ratio Lower Upper
173 100
175 471.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

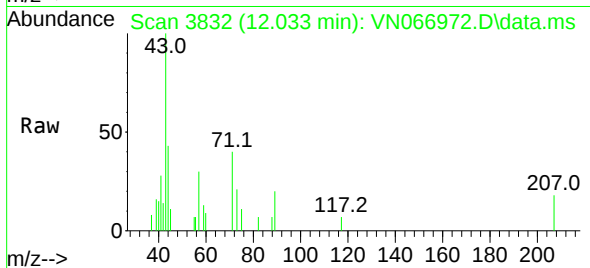
Tgt Ion:152 Resp: 241291
Ion Ratio Lower Upper
152 100
115 61.4 28.5 85.6
150 163.3 0.0 347.6





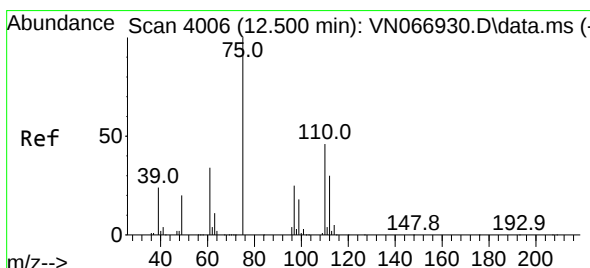
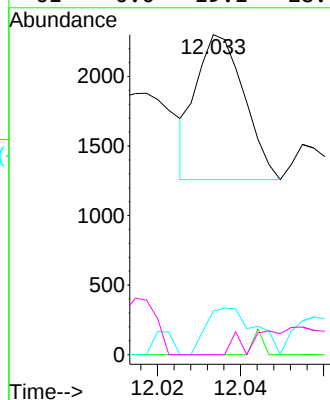
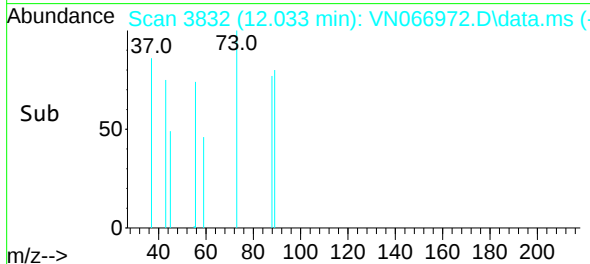
#74
N-amy1 acetate
Concen: 0.25 ug/l
RT: 12.033 min Scan# 3832
Delta R.T. 0.008 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampleId :

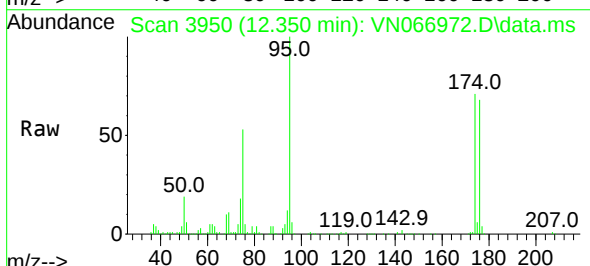


Tgt Ion: 43 Resp: 834

Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	32.9	20.7	31.1#
61	0.0	19.1	28.7#

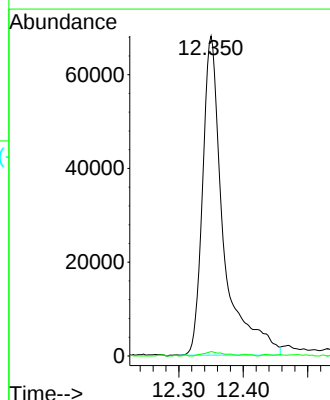
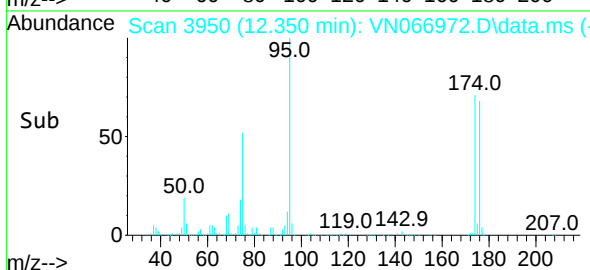


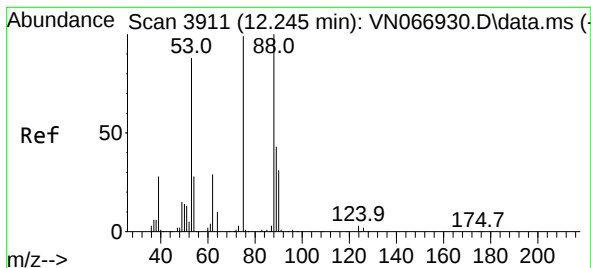
#76
1,2,3-Trichloropropane
Concen: 26.56 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45



Tgt Ion: 75 Resp: 152644

Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

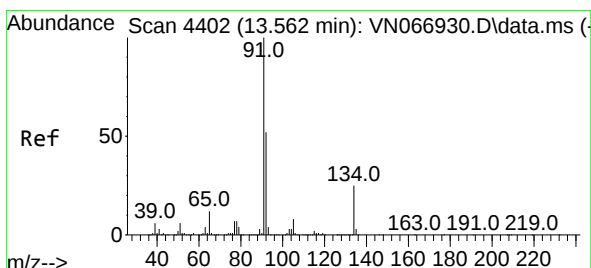
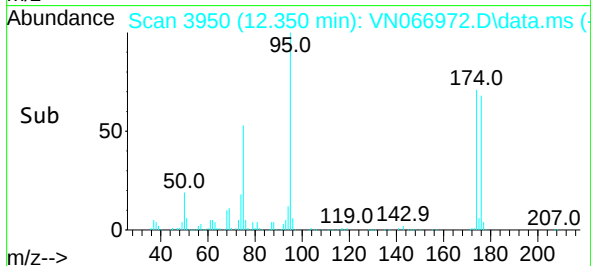
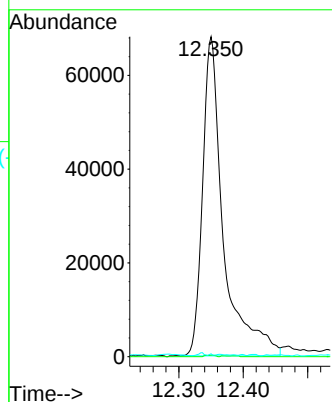
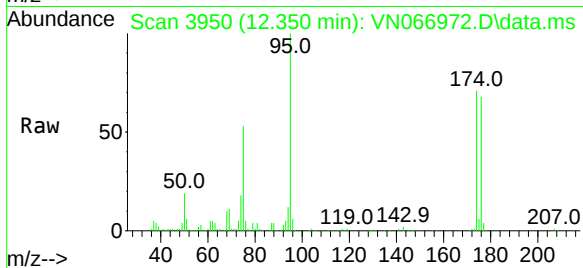




#81
trans-1,4-Dichloro-2-butene
Concen: 79.57 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 152644
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.1 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.482 min Scan# 4372
Delta R.T. -0.080 min
Lab File: VN066972.D
Acq: 5 May 2021 6:45

Tgt Ion: 91 Resp: 55
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

