

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066987.D
 Acq On : 5 May 2021 14:32
 Operator : JC/MD
 Sample : M2253-05 400X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:49:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

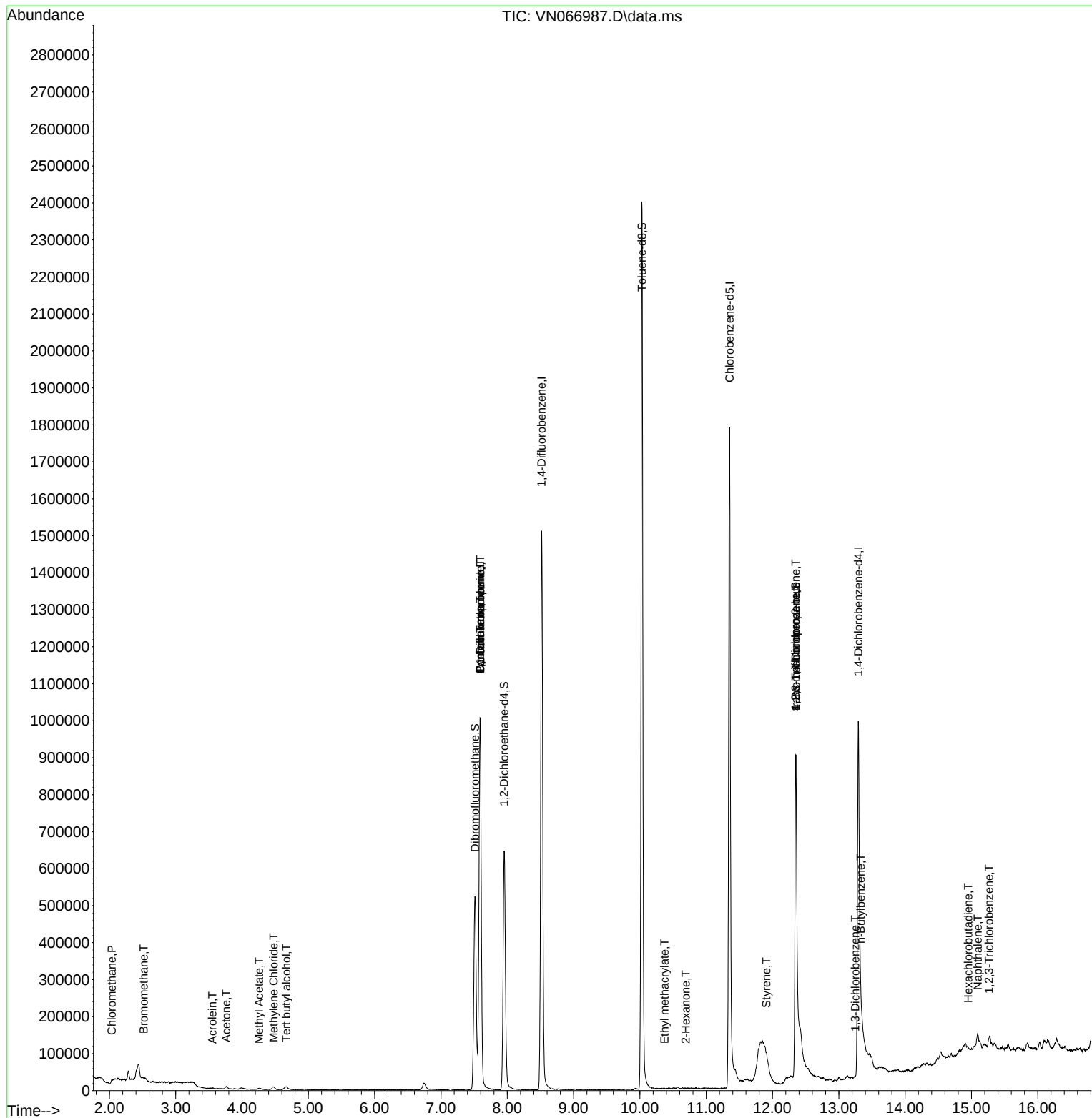
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.592	168	788755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.517	114	1338581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	1102650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	422589	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	572707	46.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.26%		
35) Dibromofluoromethane	7.514	113	421969	46.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.84%		
50) Toluene-d8	10.030	98	1669334	48.22	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.44%		
62) 4-Bromofluorobenzene	12.350	95	436811	37.27	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	74.54%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.035	50	3925	0.26	ug/l	88
5) Bromomethane	2.518	94	2534	0.32	ug/l #	53
11) Tert butyl alcohol	4.666	59	5591	3.19	ug/l #	73
13) Acrolein	3.553	56	2472	1.70	ug/l #	40
16) Acetone	3.760	43	6536	1.50	ug/l	96
18) Methyl Acetate	4.258	43	2932	0.23	ug/l #	86
20) Methylene Chloride	4.476	84	5444	0.49	ug/l	92
31) Cyclohexane	7.589	56	18309	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.592	75	67797	4.86	ug/l #	49
38) Carbon Tetrachloride	7.592	117	79777	5.49	ug/l #	16
56) Ethyl methacrylate	10.373	69	130	5.20	ug/l #	1
59) 2-Hexanone	10.692	43	117	28.38	ug/l #	23
70) Styrene	11.907	104	82	4.71	ug/l #	21
76) 1,2,3-Trichloropropane	12.350	75	262141	26.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	262060	78.11	ug/l #	12
87) 1,3-Dichlorobenzene	13.248	146	2792	0.21	ug/l #	85
89) n-Butylbenzene	13.331	91	263	5.25	ug/l	74
94) Hexachlorobutadiene	14.951	225	1310	0.30	ug/l #	67
95) Naphthalene	15.096	128	55003	2.96	ug/l	96
96) 1,2,3-Trichlorobenzene	15.265	180	11681	1.70	ug/l	95

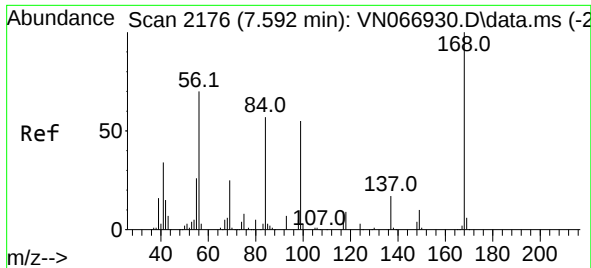
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

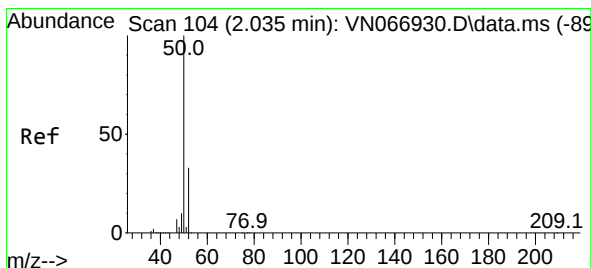
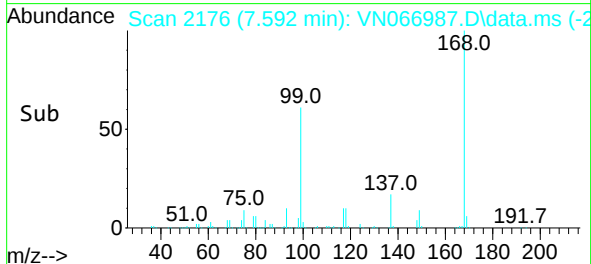
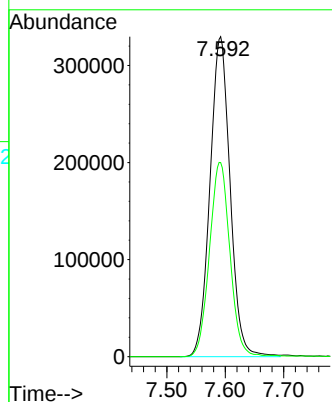
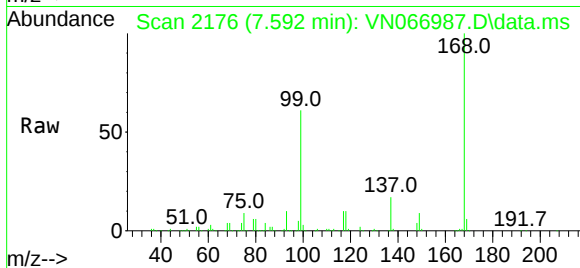




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

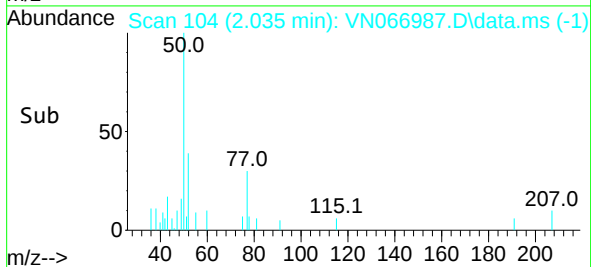
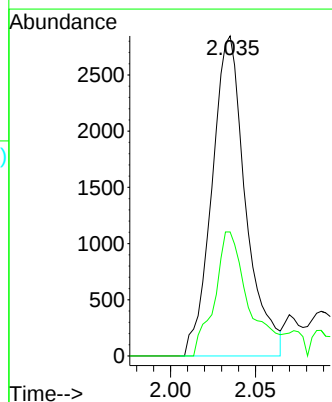
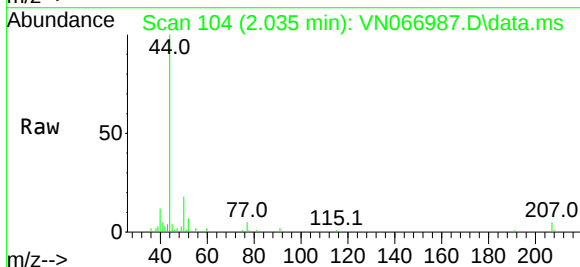
Instrument :
MSVOA_N
ClientSampleId :

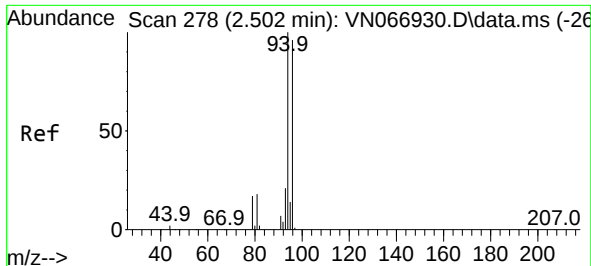
Tgt Ion:168 Resp: 788755
Ion Ratio Lower Upper
168 100
99 60.6 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.035 min Scan# 104
Delta R.T. -0.000 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

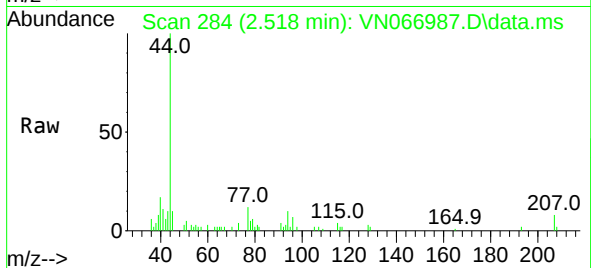
Tgt Ion: 50 Resp: 3925
Ion Ratio Lower Upper
50 100
52 38.7 25.8 38.8



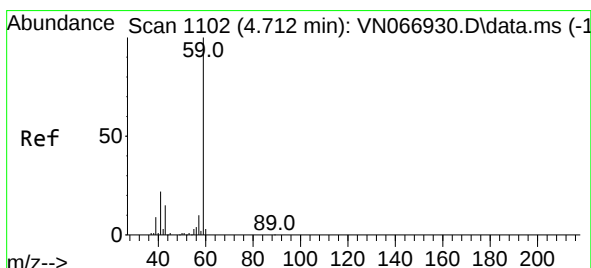
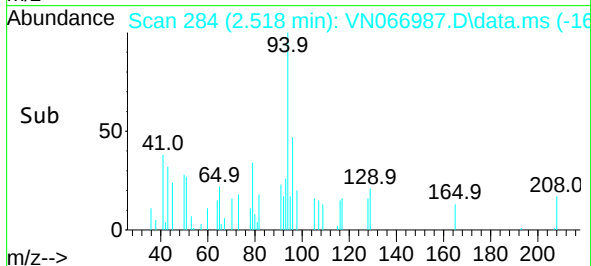
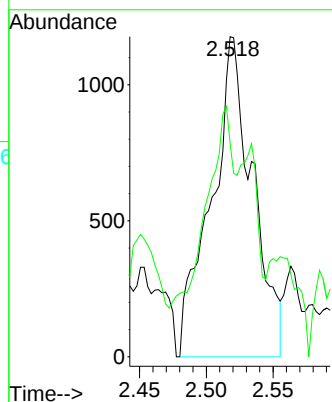


#5
Bromomethane
Concen: 0.32 ug/l
RT: 2.518 min Scan# 284
Delta R.T. 0.016 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Instrument :
MSVOA_N
ClientSampled :

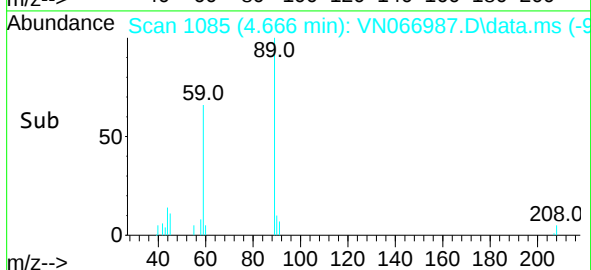
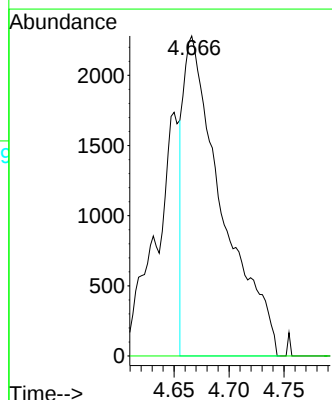
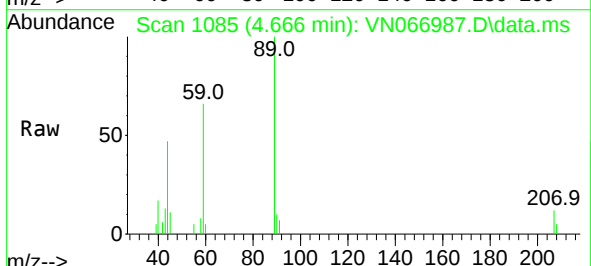


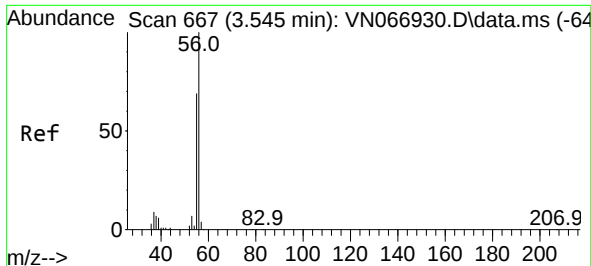
Tgt Ion: 94 Resp: 2534
Ion Ratio Lower Upper
94 100
96 46.9 73.0 109.4#



#11
Tert butyl alcohol
Concen: 3.19 ug/l
RT: 4.666 min Scan# 1085
Delta R.T. -0.046 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

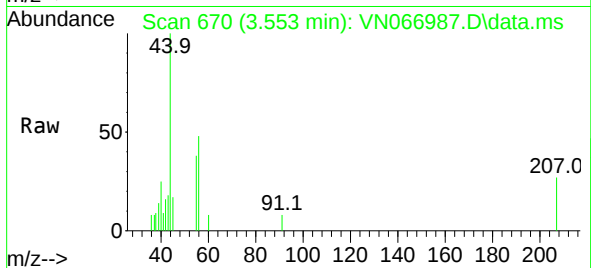
Tgt Ion: 59 Resp: 5591
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



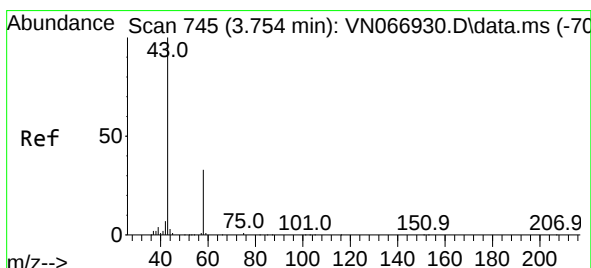
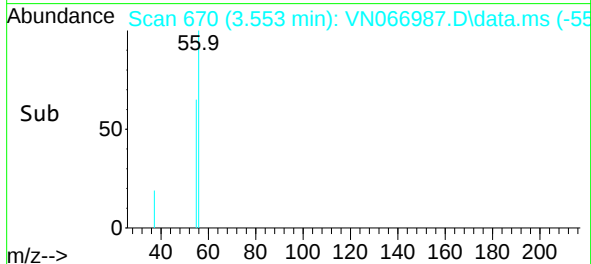
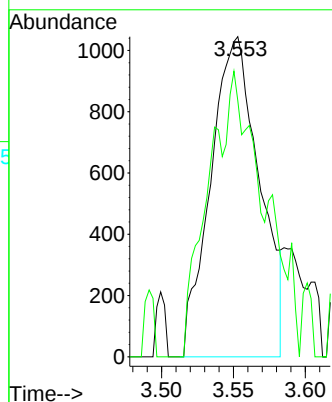


#13
Acrolein
Concen: 1.70 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Instrument :
MSVOA_N
ClientSampled :

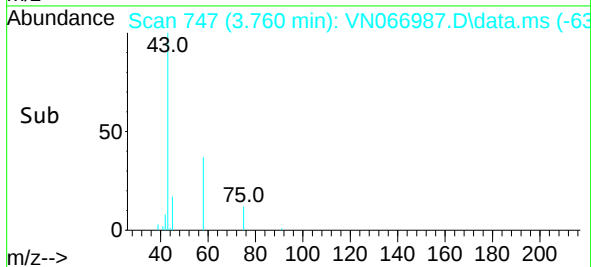
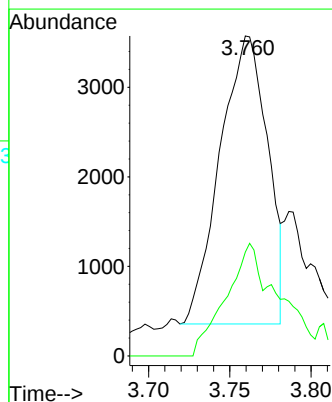
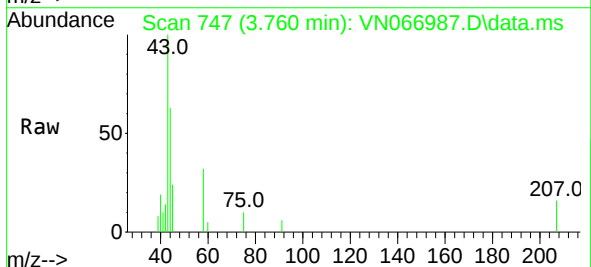


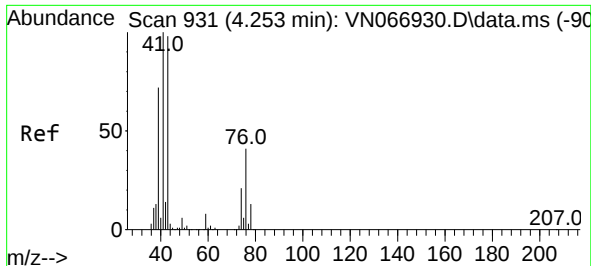
Tgt Ion: 56 Resp: 2472
Ion Ratio Lower Upper
56 100
55 20.6 56.0 84.0#



#16
Acetone
Concen: 1.50 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

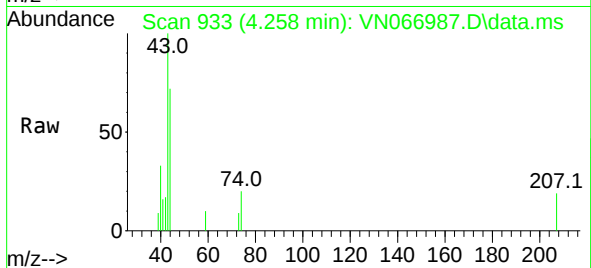
Tgt Ion: 43 Resp: 6536
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.6



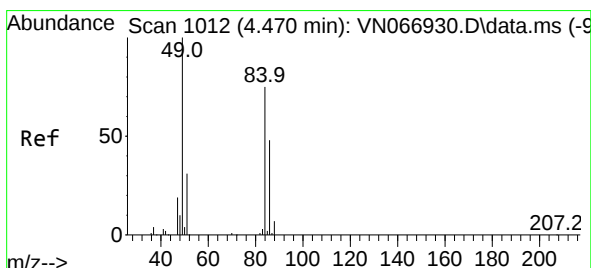
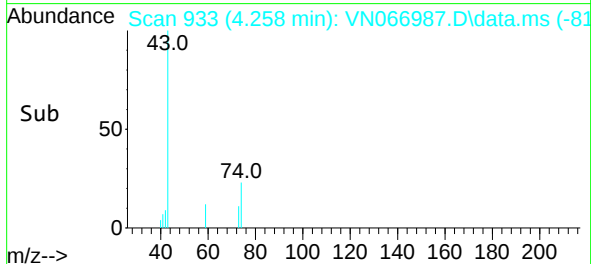
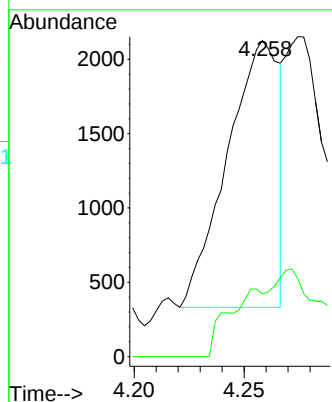


#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Instrument :
MSVOA_N
ClientSampled :

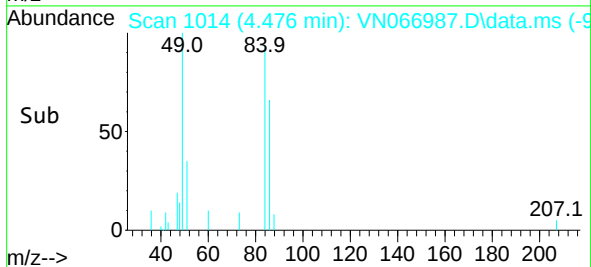
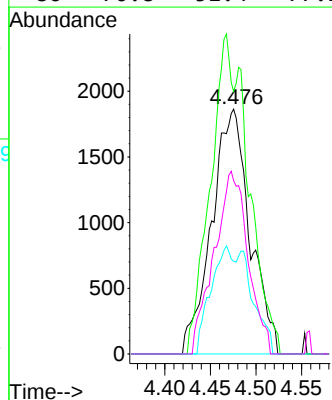
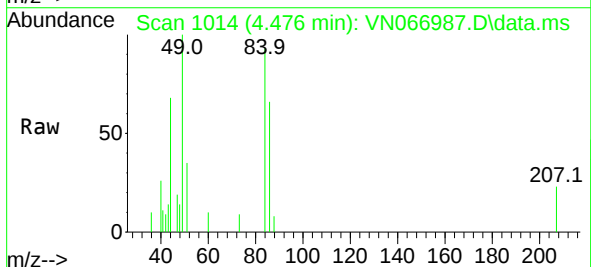


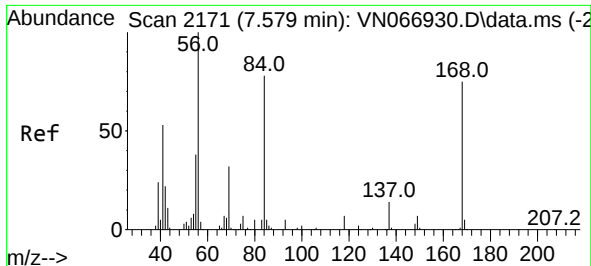
Tgt Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
74 17.3 19.5 29.3#



#20
Methylene Chloride
Concen: 0.49 ug/l
RT: 4.476 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

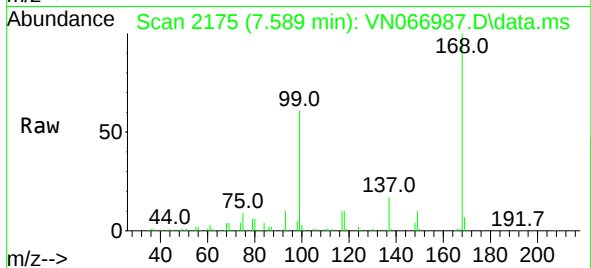
Tgt Ion: 84 Resp: 5444
Ion Ratio Lower Upper
84 100
49 107.3 94.6 141.8
51 37.8 29.9 44.9
86 70.8 51.4 77.2



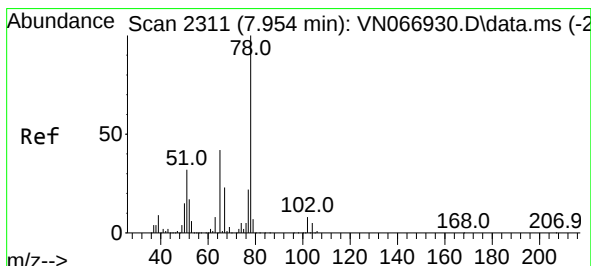
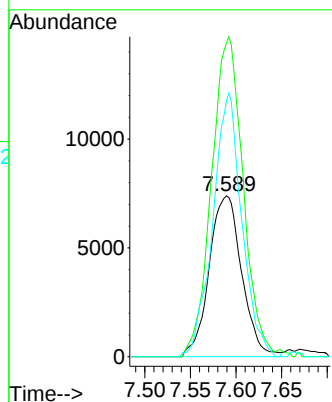
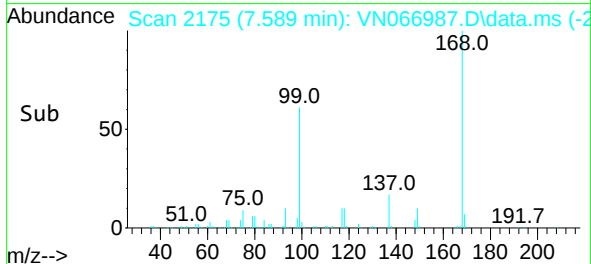


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

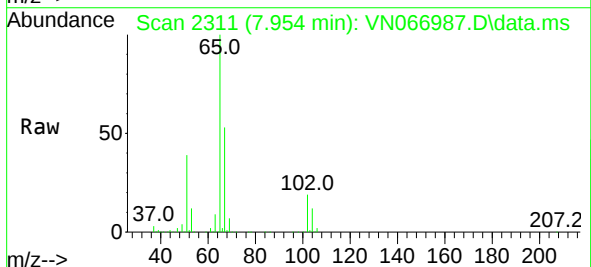
Instrument :
MSVOA_N
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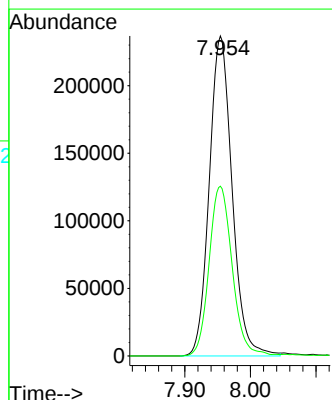
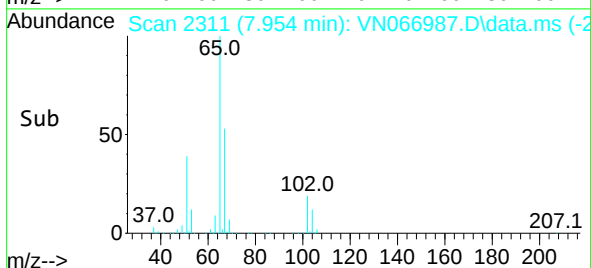
Tgt Ion: 56 Resp: 18309
Ion Ratio Lower Upper
56 100
69 195.0 26.6 39.8#
84 158.9 70.4 105.6#

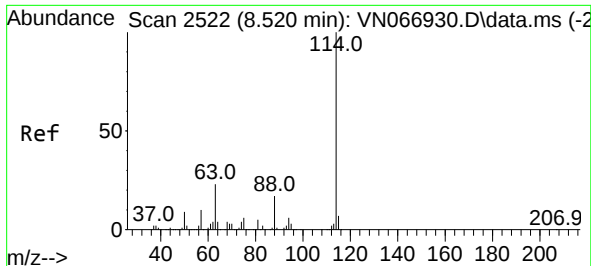


#33
1,2-Dichloroethane-d4
Concen: 46.13 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32



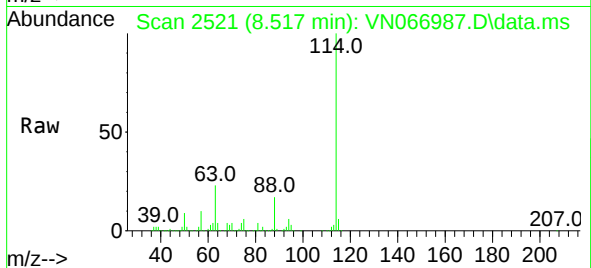
Tgt Ion: 65 Resp: 572707
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.2



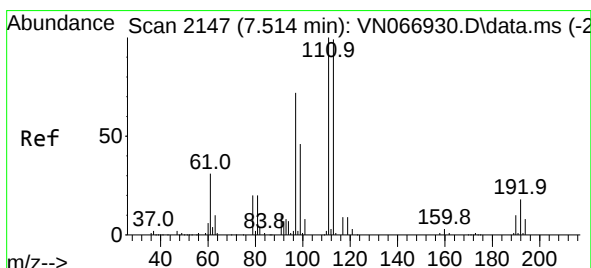
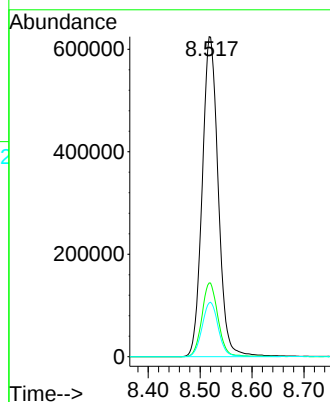
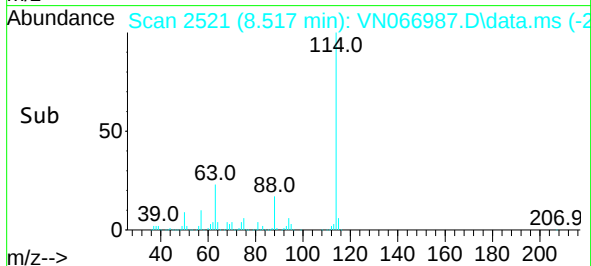


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

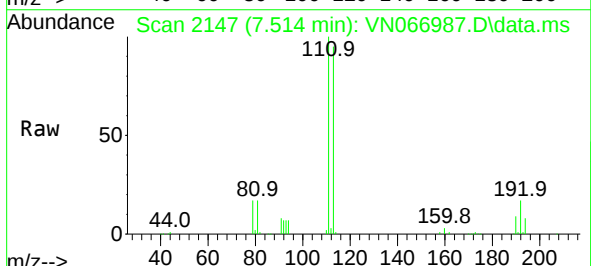
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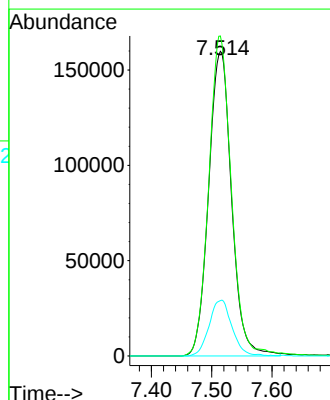
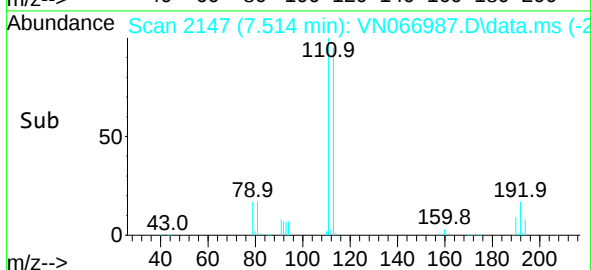
Tgt Ion:114 Resp: 1338581
Ion Ratio Lower Upper
114 100
63 23.1 0.0 38.6
88 16.8 0.0 30.6

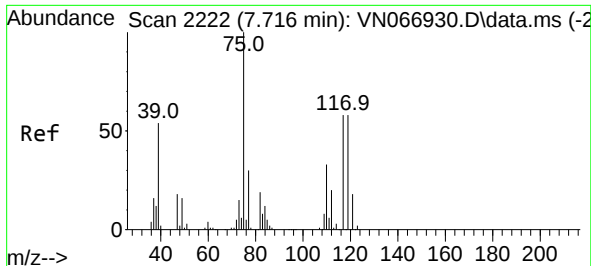


#35
Dibromofluoromethane
Concen: 46.42 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32



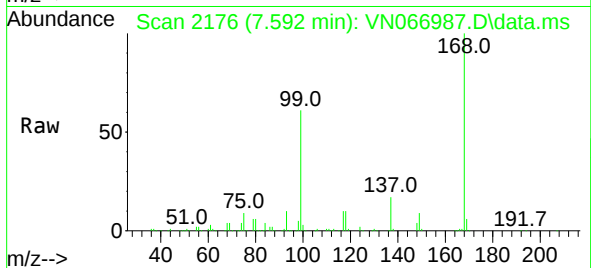
Tgt Ion:113 Resp: 421969
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.2 15.4 23.0



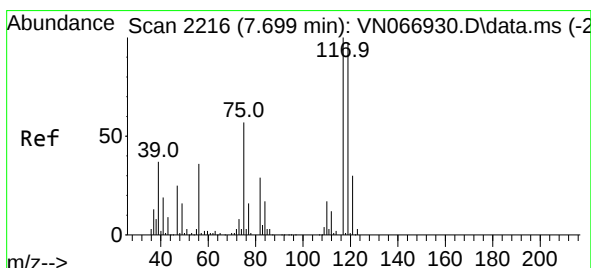
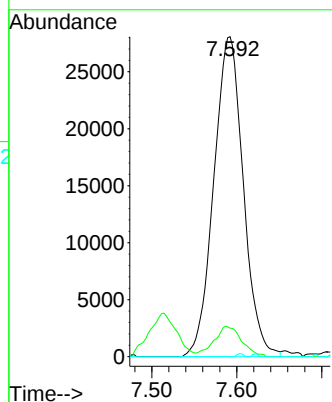
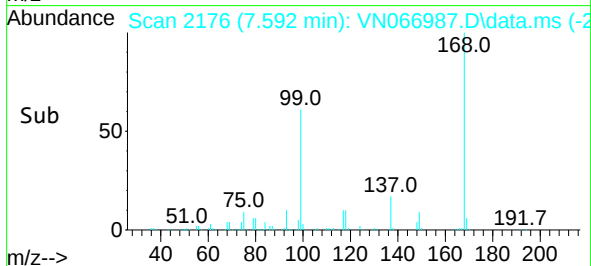


#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

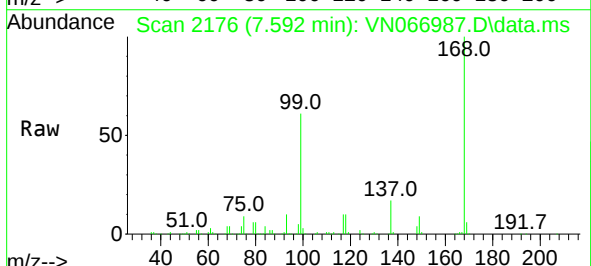
Instrument :
MSVOA_N
ClientSampleId :



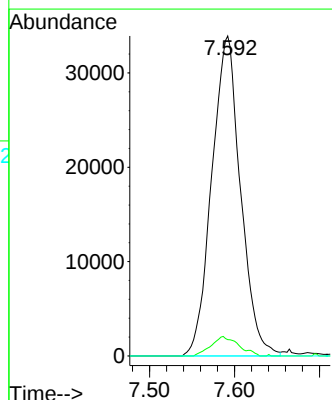
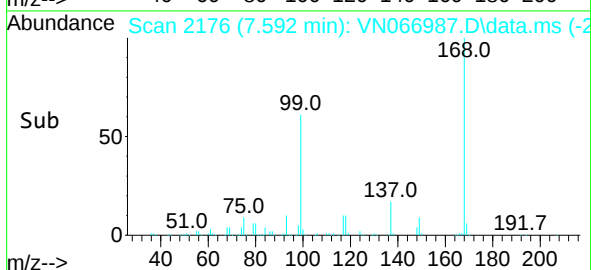
Tgt Ion: 75 Resp: 67797
Ion Ratio Lower Upper
75 100
110 8.9 18.2 54.6#
77 0.2 24.9 37.3#

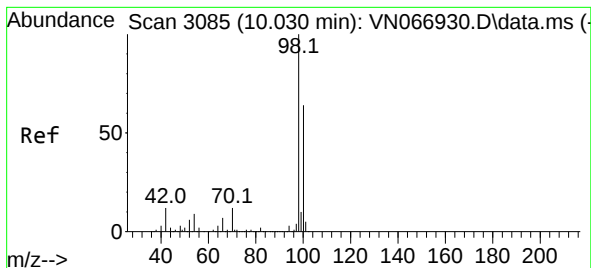


#38
Carbon Tetrachloride
Concen: 5.49 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32



Tgt Ion: 117 Resp: 79777
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#

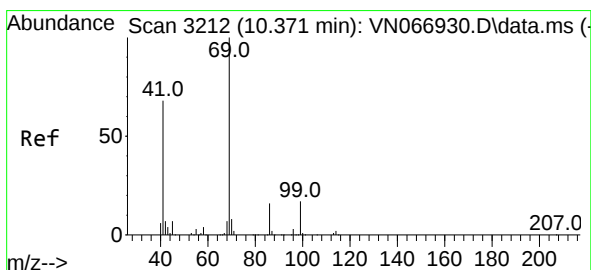
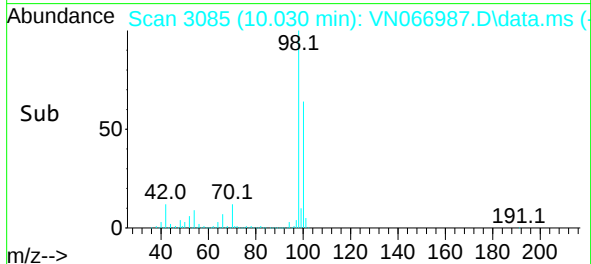
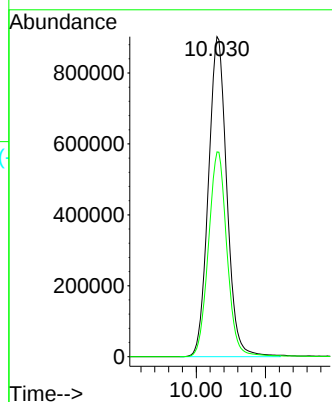
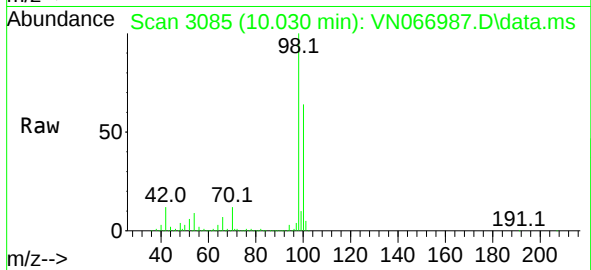




#50
Toluene-d8
Concen: 48.22 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

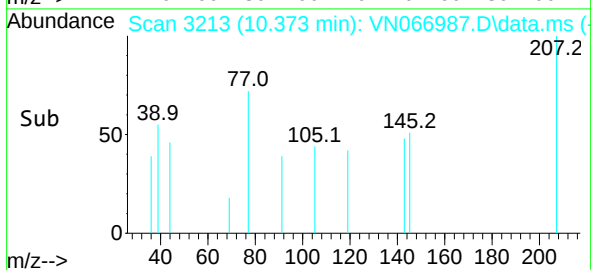
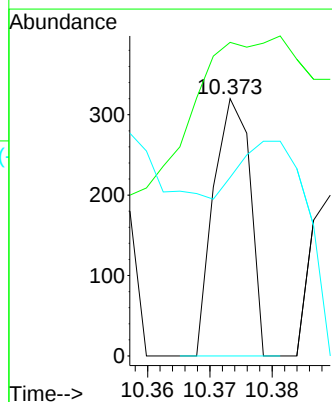
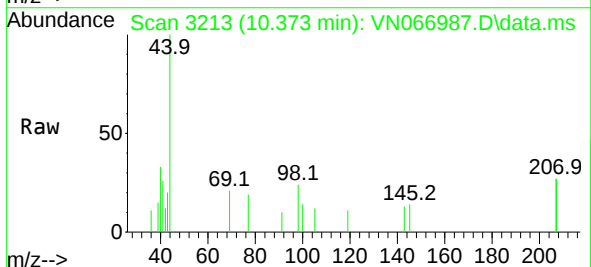
Instrument :
MSVOA_N
ClientSampled :

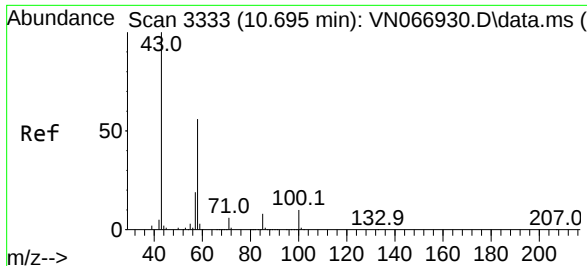
Tgt Ion: 98 Resp: 1669334
Ion Ratio Lower Upper
98 100
100 64.3 50.5 75.7



#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.373 min Scan# 3213
Delta R.T. 0.002 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Tgt Ion: 69 Resp: 130
Ion Ratio Lower Upper
69 100
41 231.5 49.6 74.4#
39 173.8 28.0 42.0#

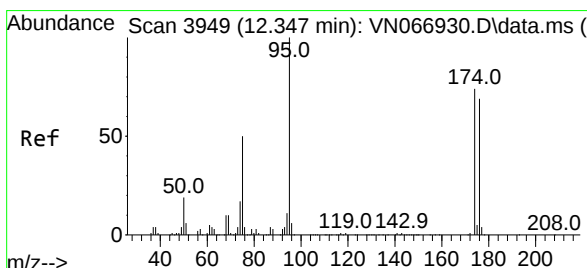
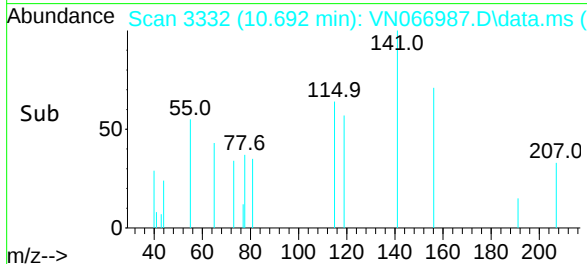
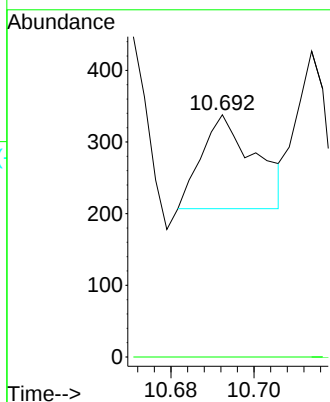
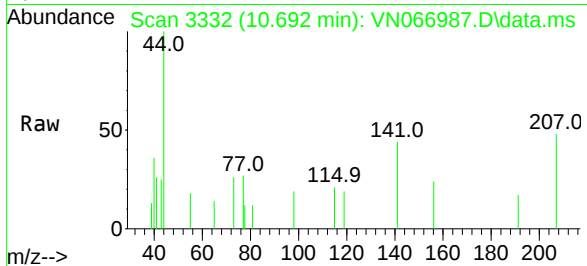




#59
2-Hexanone
Concen: 28.38 ug/l
RT: 10.692 min Scan# 3332
Delta R.T. -0.003 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

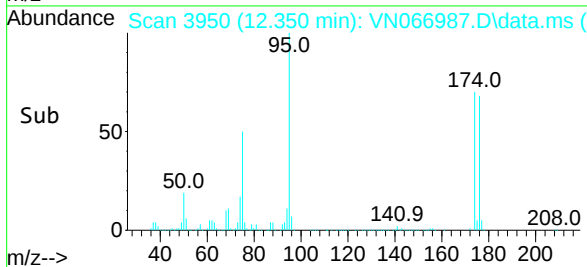
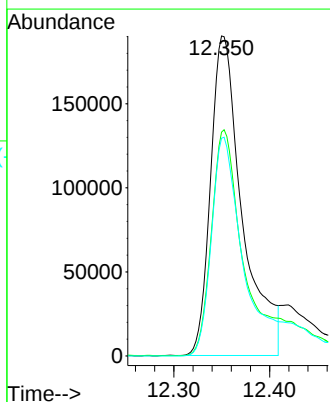
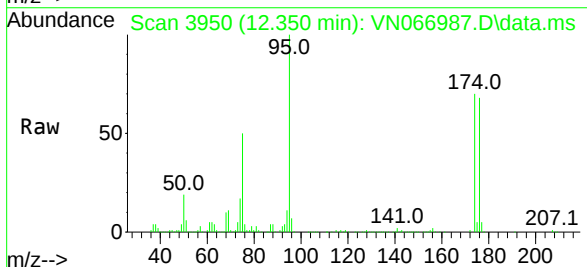
Instrument :
MSVOA_N
ClientSampled :

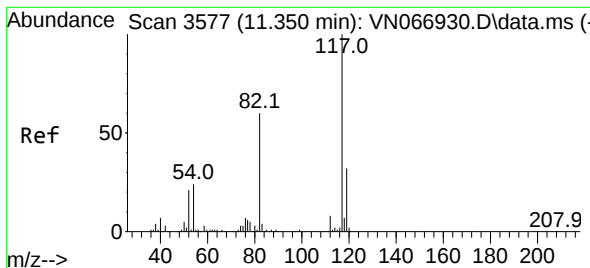
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 37.27 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

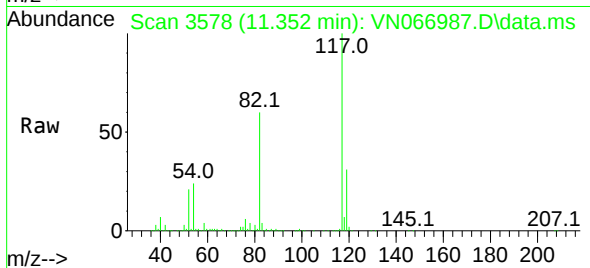
Tgt Ion: 95 Resp: 436811
Ion Ratio Lower Upper
95 100
174 82.1 0.0 169.0
176 81.4 0.0 162.4



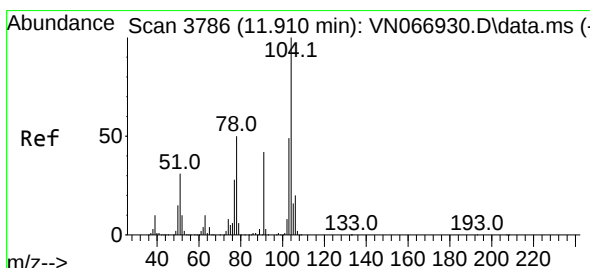
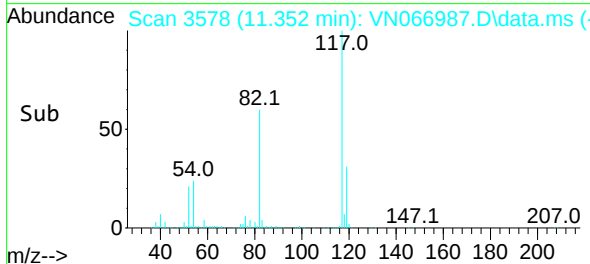
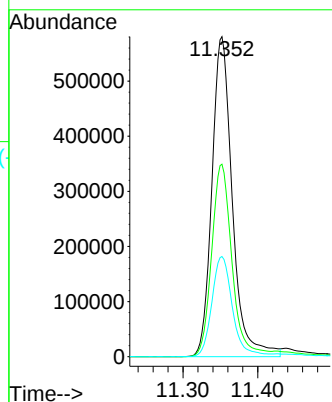


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Instrument :
MSVOA_N
ClientSampled :

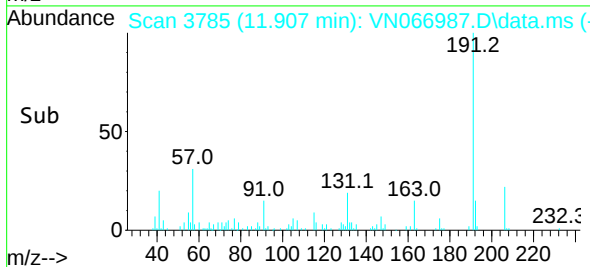
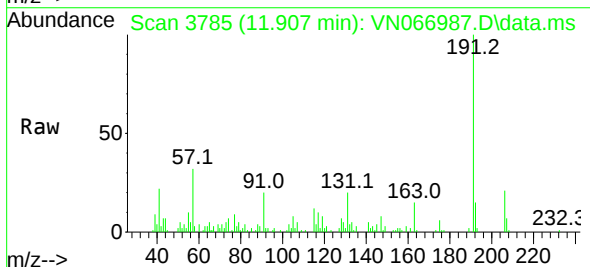
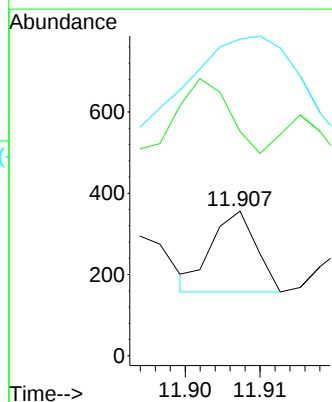


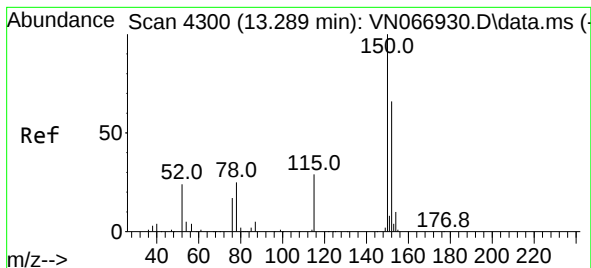
Tgt Ion:117 Resp: 1102650
Ion Ratio Lower Upper
117 100
82 60.2 43.7 65.5
119 31.3 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.907 min Scan# 3785
Delta R.T. -0.003 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

Tgt Ion:104 Resp: 82
Ion Ratio Lower Upper
104 100
78 103.7 39.0 58.4#
103 0.0 44.5 66.7#

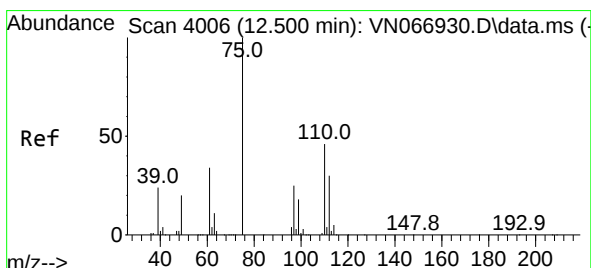
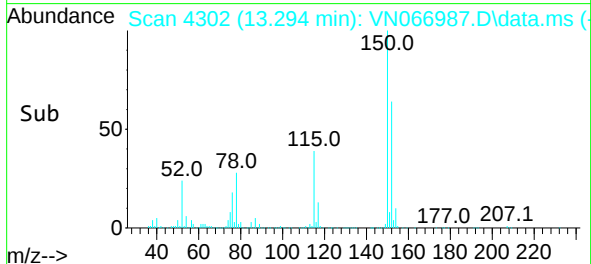
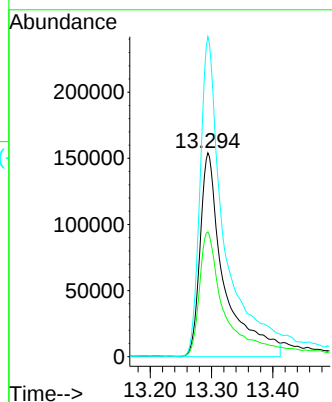
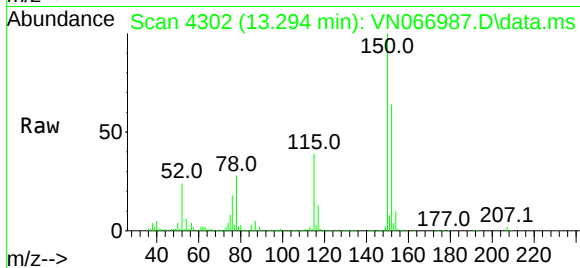




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.294 min Scan# 4302
 Delta R.T. 0.005 min
 Lab File: VN066987.D
 Acq: 5 May 2021 14:32

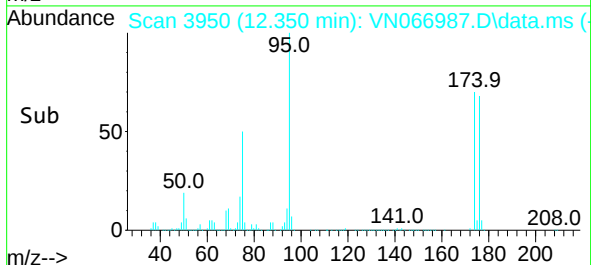
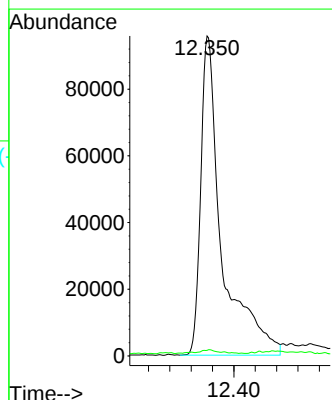
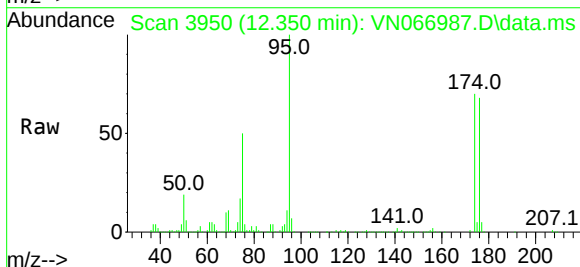
Instrument :
 MSVOA_N
 ClientSampleId :

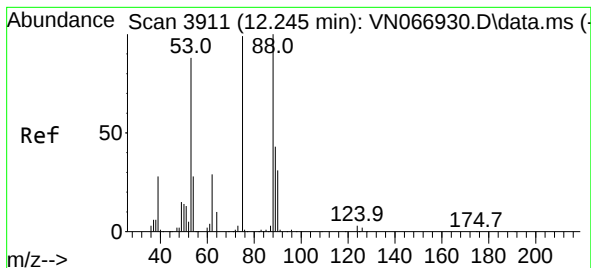
Tgt Ion:152 Resp: 422589
 Ion Ratio Lower Upper
 152 100
 115 65.2 28.5 85.6
 150 165.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 26.04 ug/l
 RT: 12.350 min Scan# 3950
 Delta R.T. -0.150 min
 Lab File: VN066987.D
 Acq: 5 May 2021 14:32

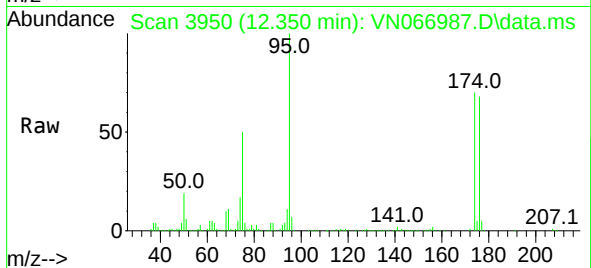
Tgt Ion: 75 Resp: 262141
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



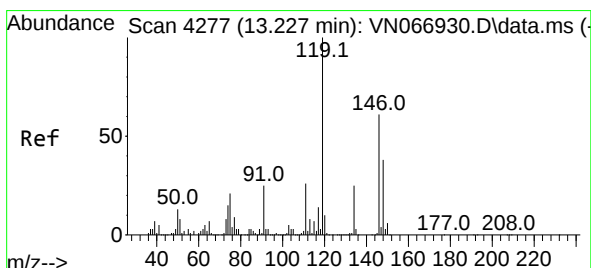
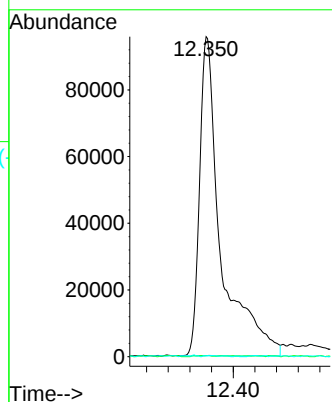
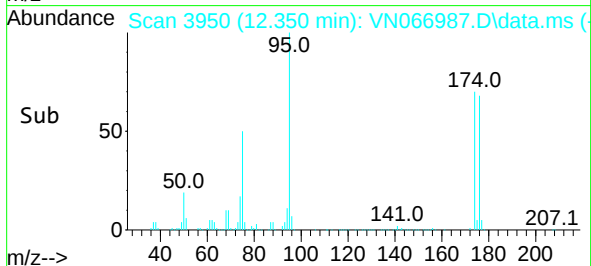


#81
trans-1,4-Dichloro-2-butene
Concen: 78.11 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

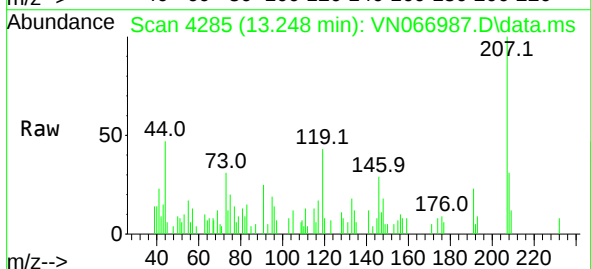
Instrument :
MSVOA_N
ClientSampleId :



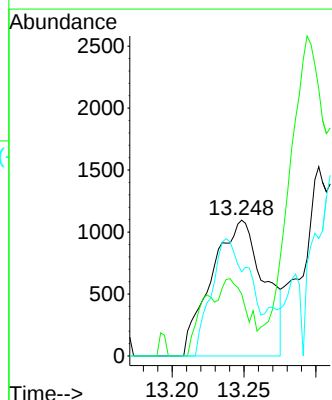
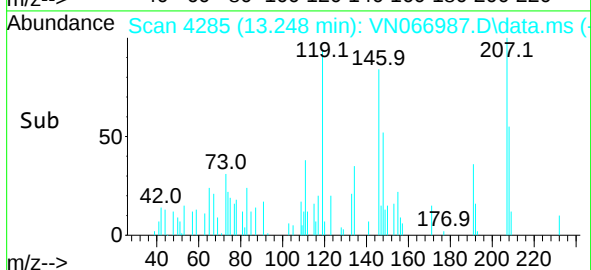
Tgt Ion: 75 Resp: 262060
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

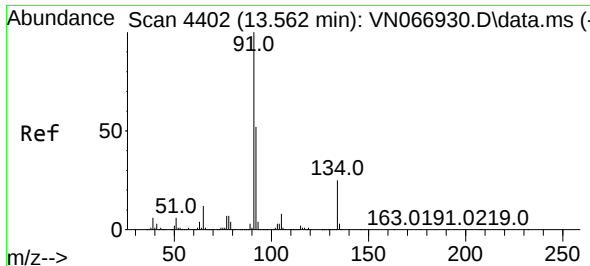


#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.248 min Scan# 4285
Delta R.T. 0.021 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32



Tgt Ion: 146 Resp: 2792
Ion Ratio Lower Upper
146 100
111 16.6 19.5 58.5#
148 63.5 32.3 96.9

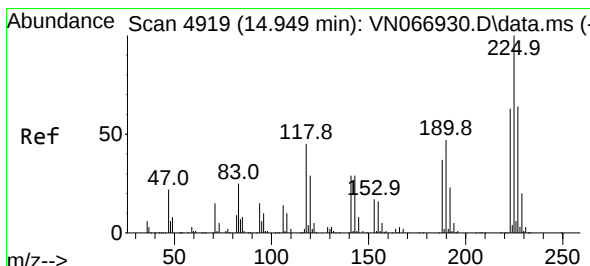
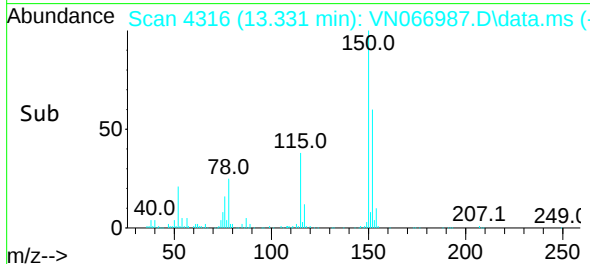
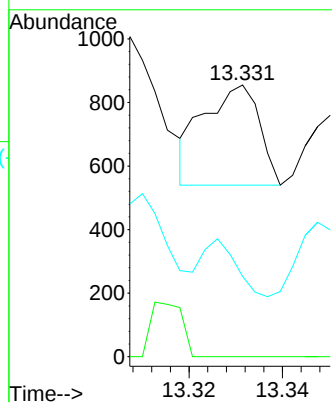
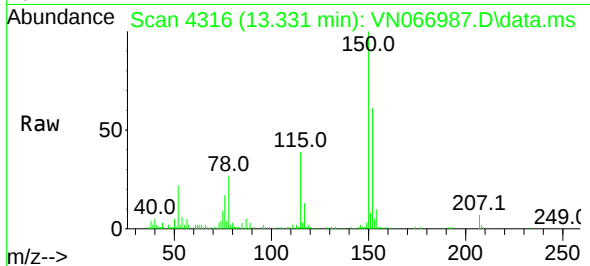




#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.331 min Scan# 4316
Delta R.T. -0.231 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

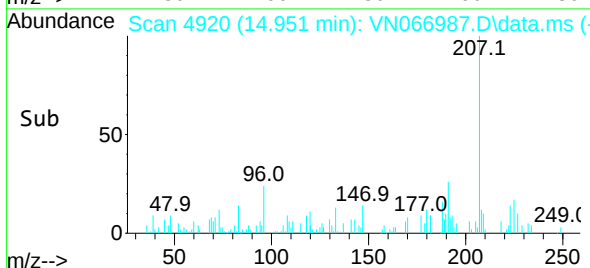
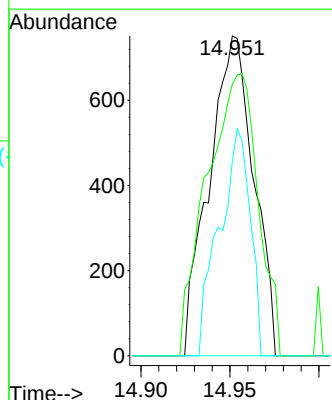
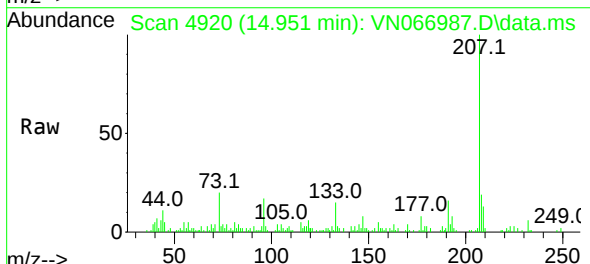
Instrument :
MSVOA_N
ClientSampleId :

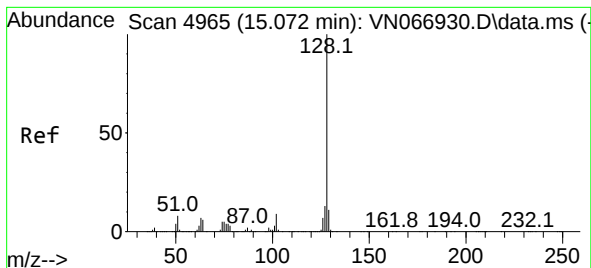
Tgt Ion: 91 Resp: 263
Ion Ratio Lower Upper
91 100
92 30.0 26.1 78.3
134 33.1 13.0 38.9



#94
Hexachlorobutadiene
Concen: 0.30 ug/l
RT: 14.951 min Scan# 4920
Delta R.T. 0.002 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

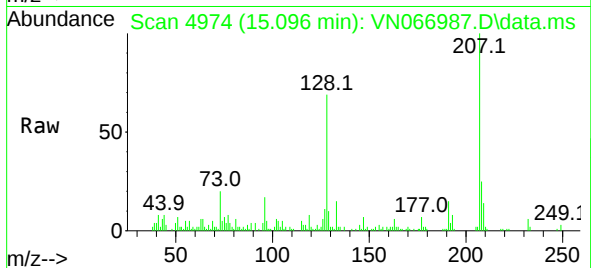
Tgt Ion: 225 Resp: 1310
Ion Ratio Lower Upper
225 100
223 101.1 31.9 95.9#
227 49.2 31.6 95.0



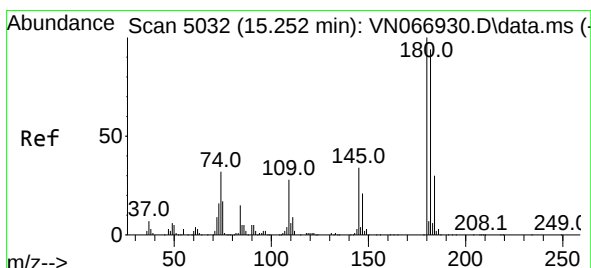
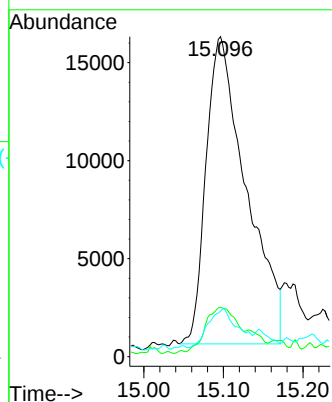
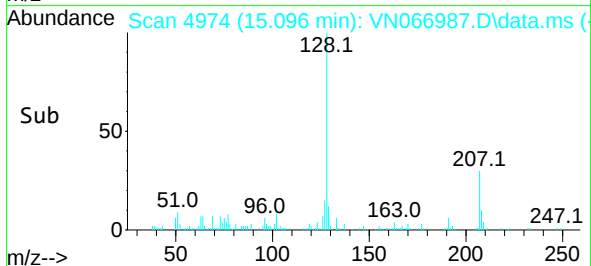


#95
Naphthalene
Concen: 2.96 ug/l
RT: 15.096 min Scan# 4974
Delta R.T. 0.024 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32

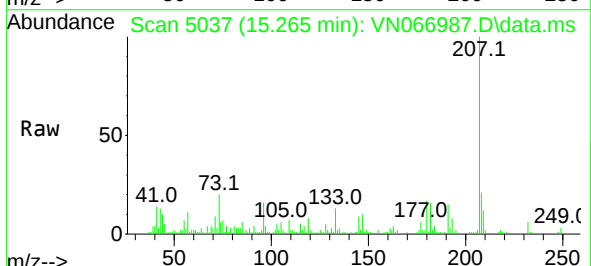
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 55003
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.2
129 9.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.70 ug/l
RT: 15.265 min Scan# 5037
Delta R.T. 0.013 min
Lab File: VN066987.D
Acq: 5 May 2021 14:32



Tgt Ion:180 Resp: 11681
Ion Ratio Lower Upper
180 100
182 97.0 47.4 142.3
145 24.9 16.5 49.5

