

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022621\
 Data File : VN066062.D
 Acq On : 26 Feb 2021 19:28
 Operator : JC/MD
 Sample : M1485-06 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 32937

Quant Time: Feb 26 23:37:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

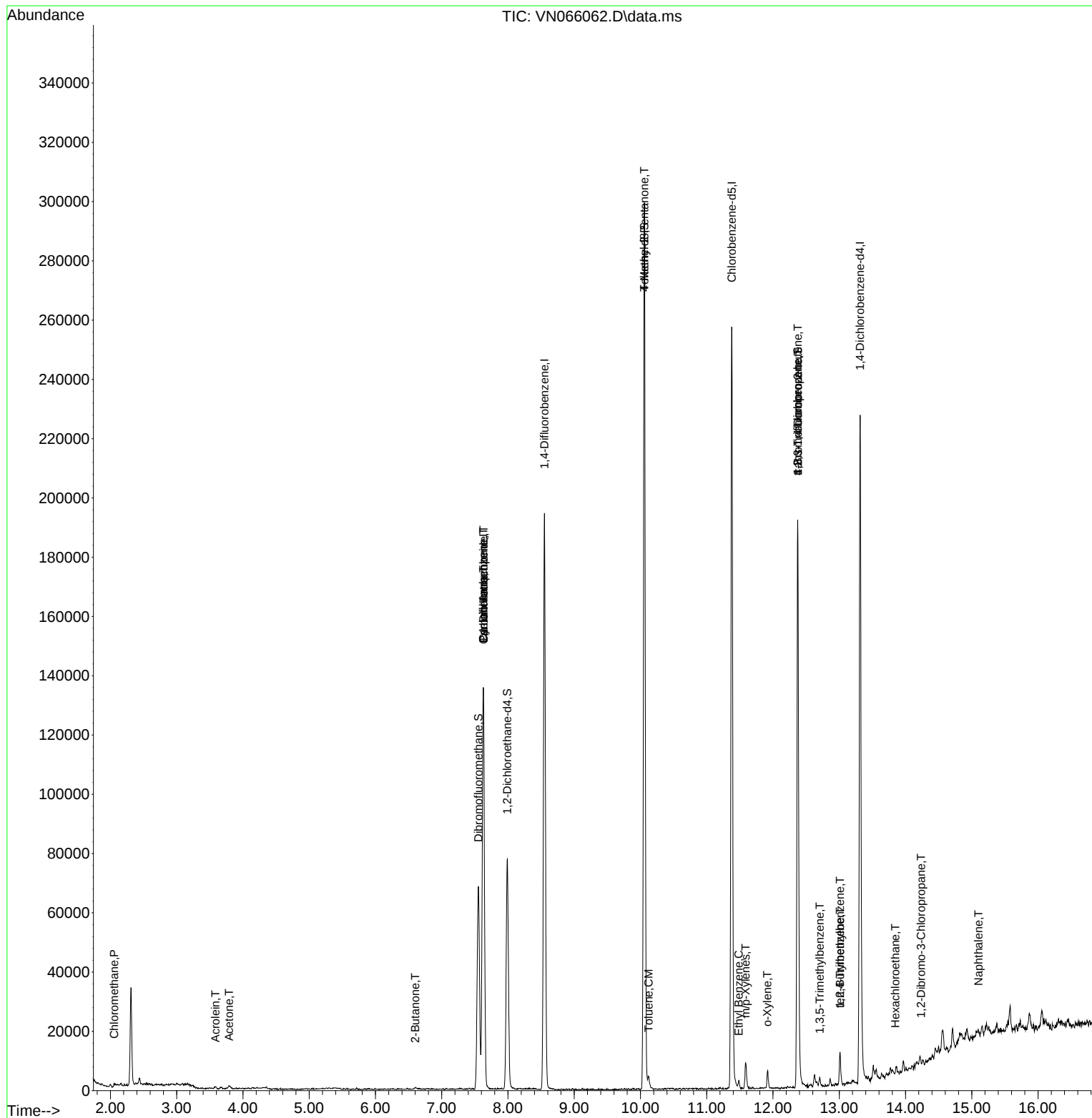
Internal Standards						
1) Pentafluorobenzene	7.627	168	108317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	175227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	157094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	65229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	73866	48.77	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.54%		
35) Dibromofluoromethane	7.553	113	53838	49.64	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.28%		
50) Toluene-d8	10.058	98	211323	47.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.94%		
62) 4-Bromofluorobenzene	12.373	95	77018	46.09	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.18%		
Target Compounds					Qvalue	
3) Chloromethane	2.055	50	574	0.32	ug/l #	81
13) Acrolein	3.586	56	712	3.69	ug/l	97
16) Acetone	3.791	43	2114	2.86	ug/l #	82
25) 2-Butanone	6.602	43	1621	2.16	ug/l #	46
31) Cyclohexane	7.627	56	2201	0.97	ug/l #	12
36) 1,1-Dichloropropene	7.627	75	8254	4.78	ug/l #	49
38) Carbon Tetrachloride	7.630	117	10837	6.75	ug/l #	16
51) 4-Methyl-2-Pentanone	10.058	43	872	0.58	ug/l #	1
52) Toluene	10.122	92	1769	0.54	ug/l	99
67) Ethyl Benzene	11.482	91	2300	0.39	ug/l	90
68) m/p-Xylenes	11.585	106	2992	1.35	ug/l	93
69) o-Xylene	11.916	106	1686	0.79	ug/l	94
76) 1,2,3-Trichloropropane	12.373	75	39486	25.20	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	1792	0.40	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	39486	80.31	ug/l #	12
83) tert-Butylbenzene	13.013	119	893	0.24	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.013	105	6779	1.49	ug/l	98
90) Hexachloroethane	13.846	117	167	0.22	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.235	75	30	0.94	ug/l #	1
95) Naphthalene	15.100	128	719	3.24	ug/l #	69

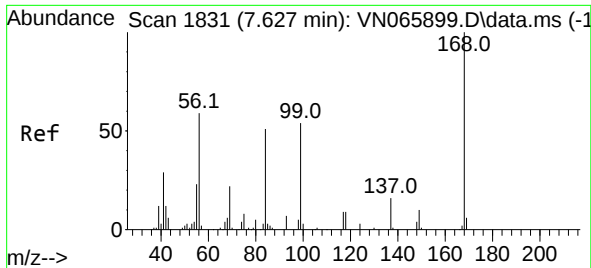
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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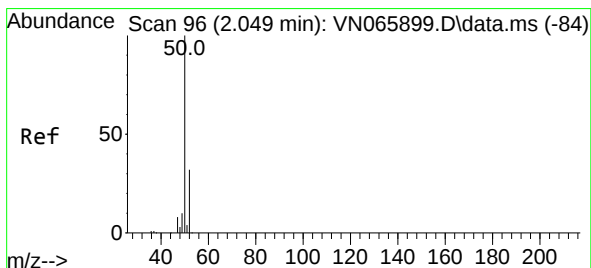
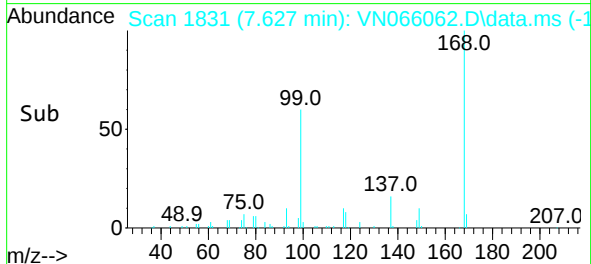
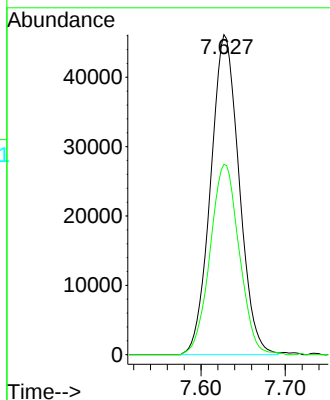
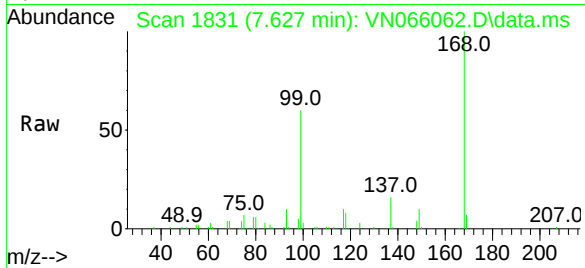




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

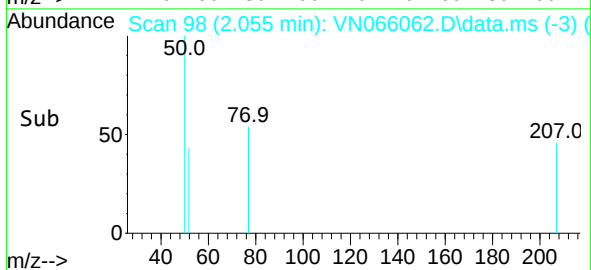
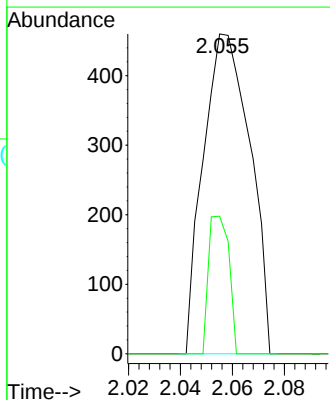
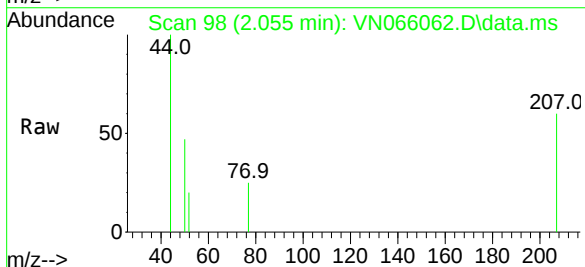
Instrument :
MSVOA_N
ClientSampled :
32937

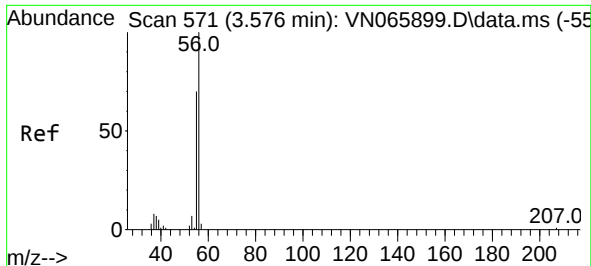
Tgt Ion:168 Resp: 108317
Ion Ratio Lower Upper
168 100
99 59.5 42.6 63.8



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 50 Resp: 574
Ion Ratio Lower Upper
50 100
52 43.0 25.8 38.8#

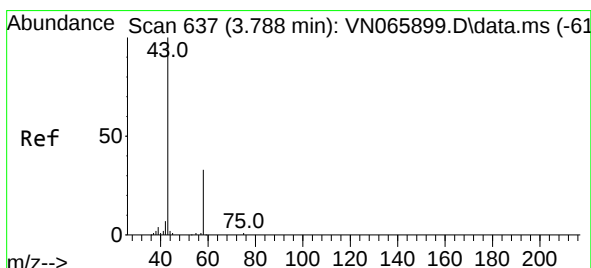
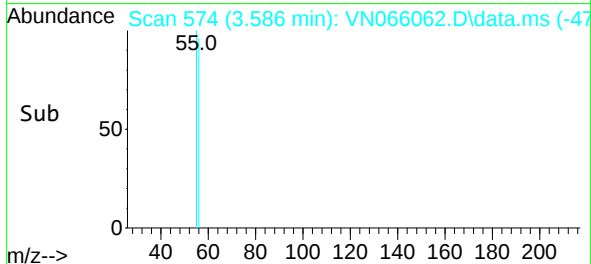
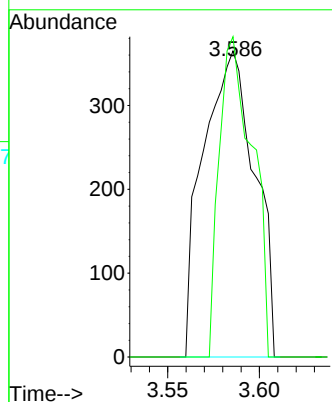
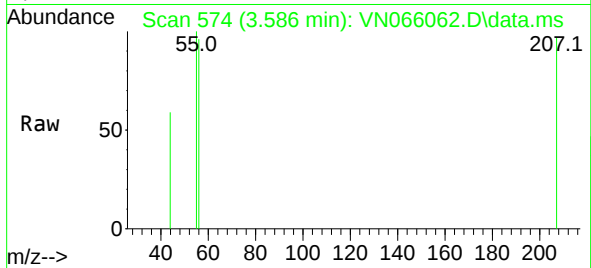




#13
Acrolein
Concen: 3.69 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

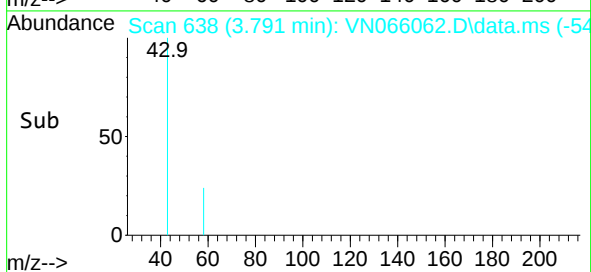
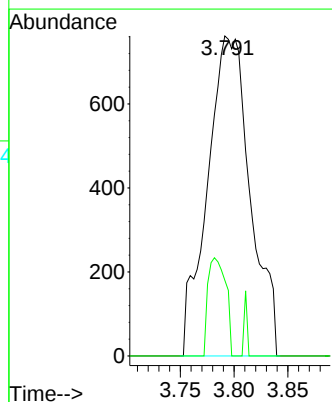
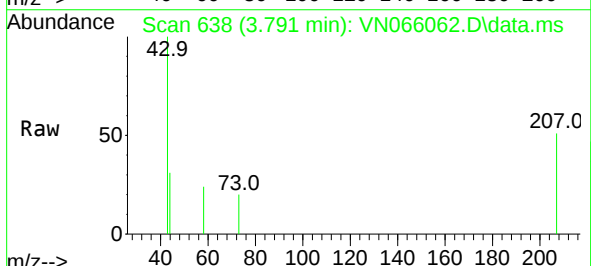
Instrument :
MSVOA_N
ClientSampled :
32937

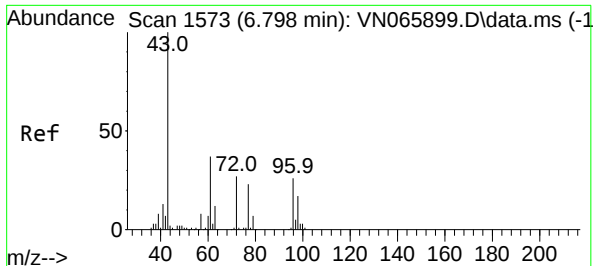
Tgt Ion: 56 Resp: 712
Ion Ratio Lower Upper
56 100
55 67.3 56.0 84.0



#16
Acetone
Concen: 2.86 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
58 23.6 27.0 40.6#

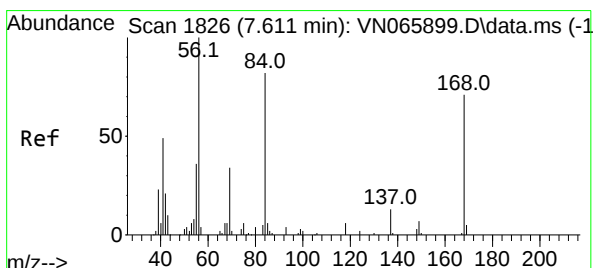
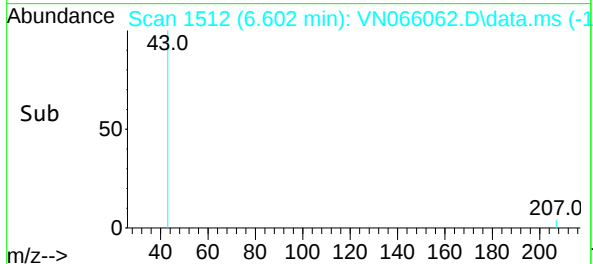
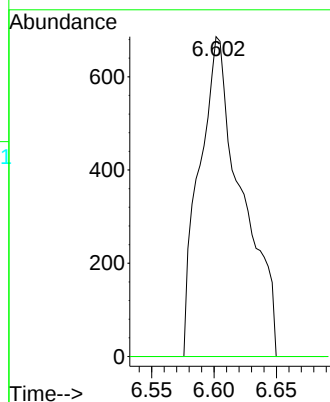
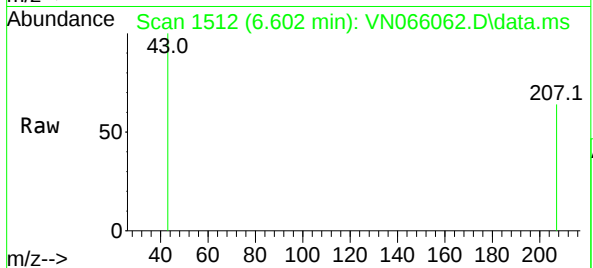




#25
2-Butanone
Concen: 2.16 ug/l
RT: 6.602 min Scan# 1512
Delta R.T. -0.196 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

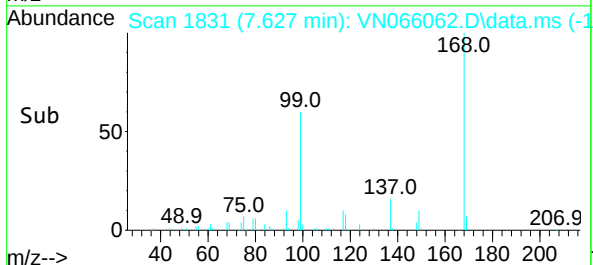
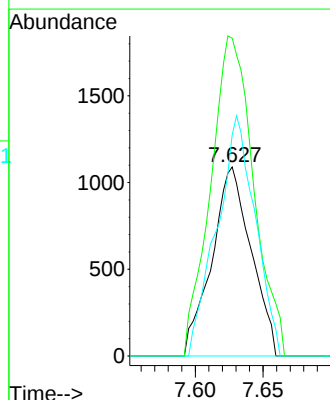
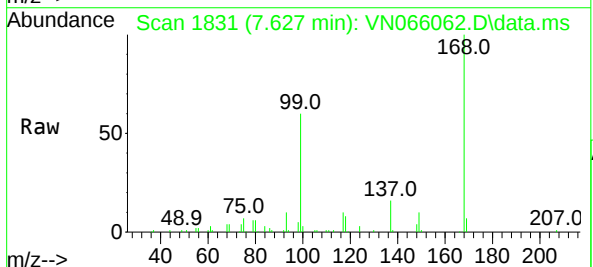
Instrument :
MSVOA_N
ClientSampled :
32937

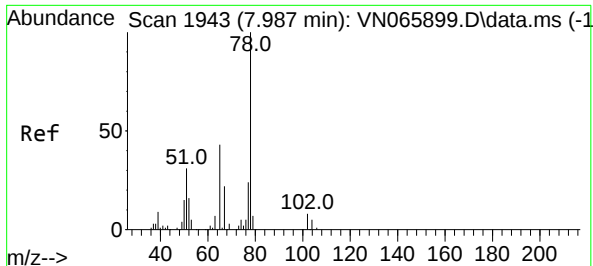
Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#31
Cyclohexane
Concen: 0.97 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 56 Resp: 2201
Ion Ratio Lower Upper
56 100
69 168.1 26.6 39.8#
84 117.0 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 48.77 ug/l

RT: 7.991 min Scan# 1944

Delta R.T. 0.004 min

Lab File: VN066062.D

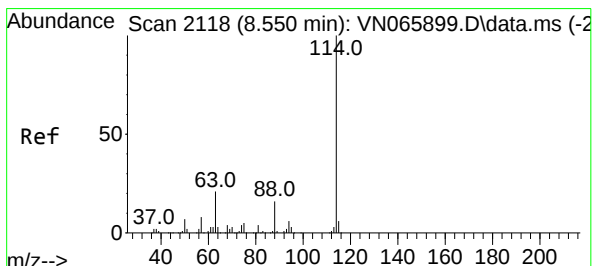
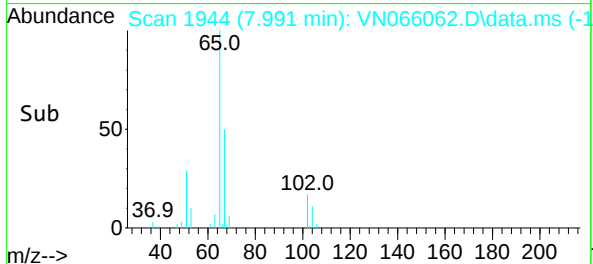
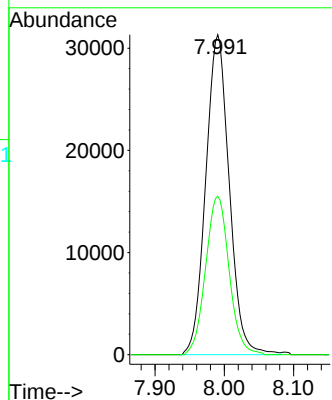
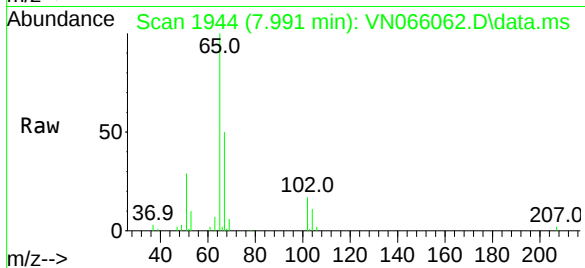
Acq: 26 Feb 2021 19:28

Tgt Ion: 65 Resp: 73866

Ion Ratio Lower Upper

65 100

67 49.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.550 min Scan# 2118

Delta R.T. 0.000 min

Lab File: VN066062.D

Acq: 26 Feb 2021 19:28

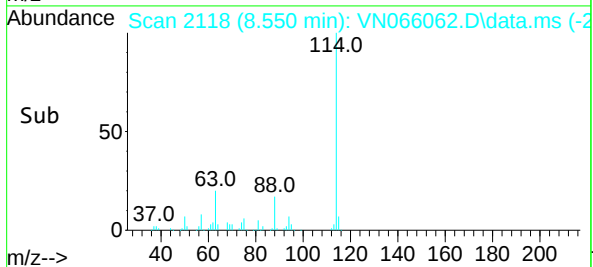
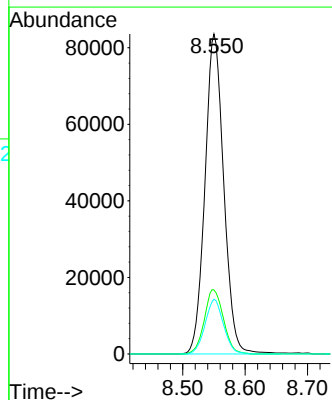
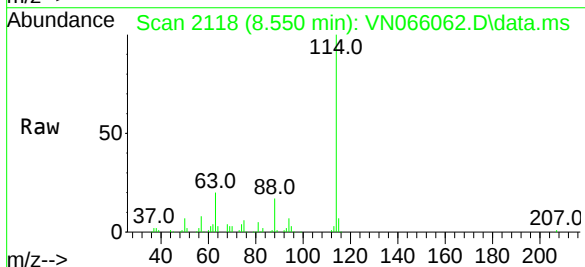
Tgt Ion: 114 Resp: 175227

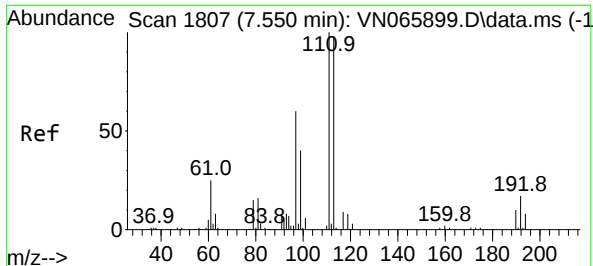
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.64 ug/l

RT: 7.553 min Scan# 1808

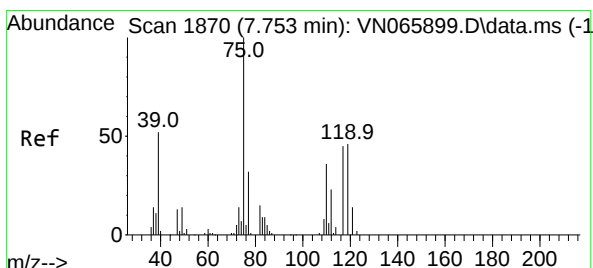
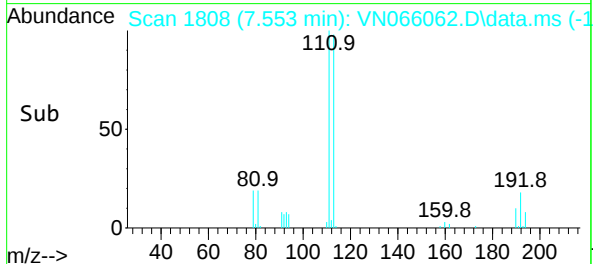
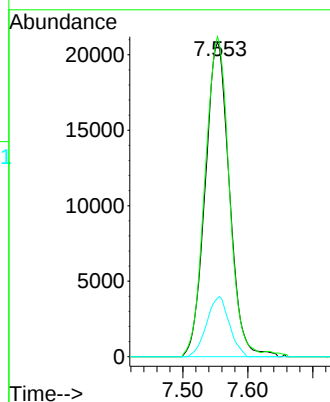
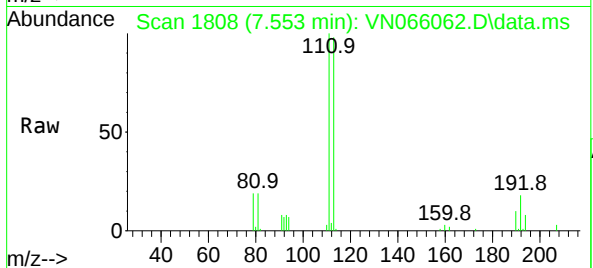
Delta R.T. 0.003 min

Lab File: VN066062.D

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Tgt Ion:	113	Resp:	53838
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	17.9	15.4	23.0

Instrument :
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#36

1,1-Dichloropropene

Concen: 4.78 ug/l

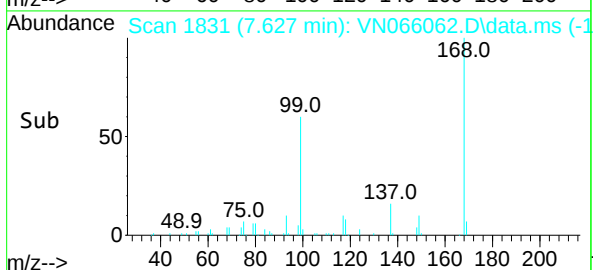
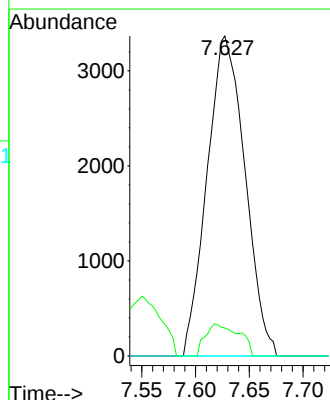
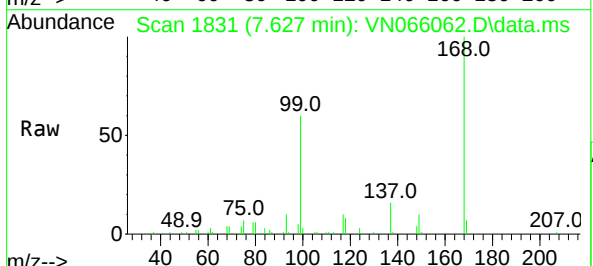
RT: 7.627 min Scan# 1831

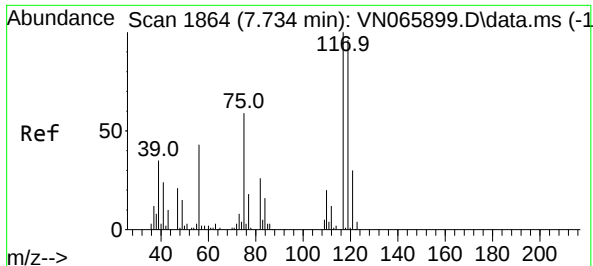
Delta R.T. -0.126 min

Lab File: VN066062.D

Acq: 26 Feb 2021 19:28

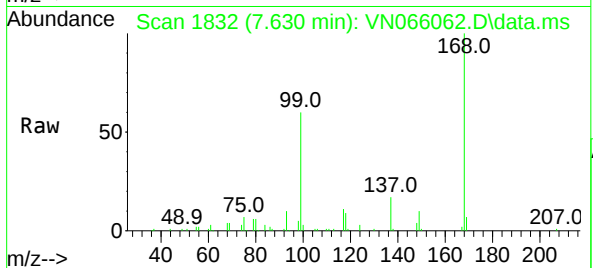
Tgt Ion:	75	Resp:	8254
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	24.9	37.3#



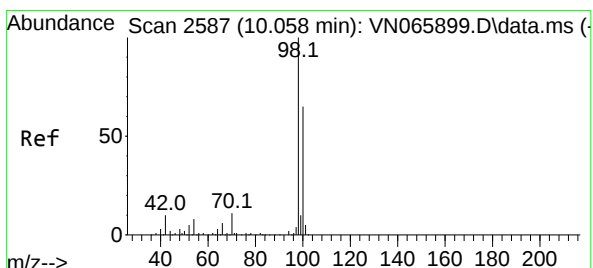
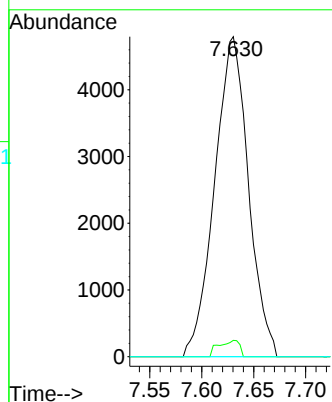
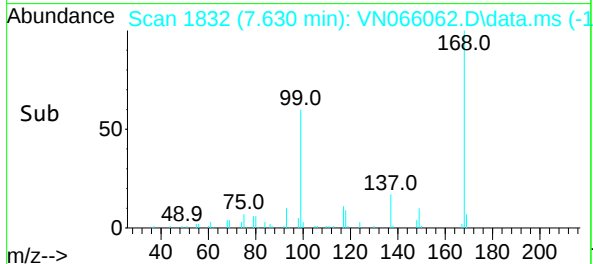


#38
Carbon Tetrachloride
Concen: 6.75 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.104 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

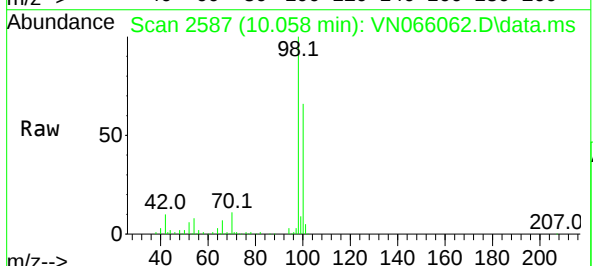
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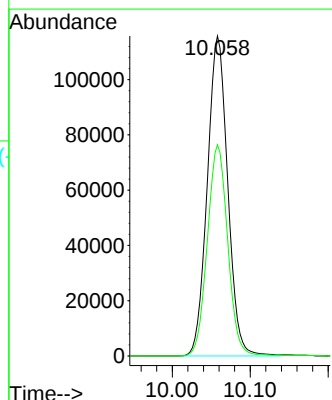
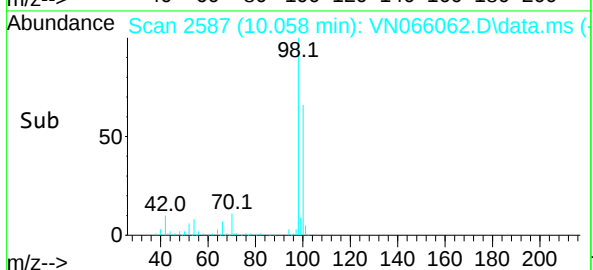
Tgt Ion:117 Resp: 10837
Ion Ratio Lower Upper
117 100
119 5.1 76.0 114.0#
121 0.0 24.5 36.7#

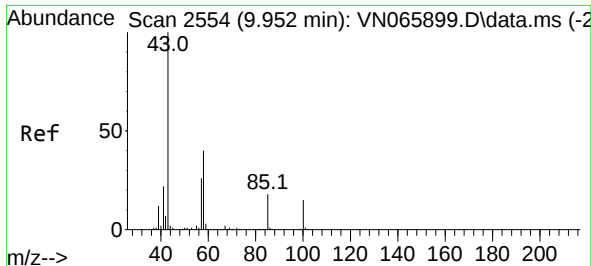


#50
Toluene-d8
Concen: 47.47 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28



Tgt Ion: 98 Resp: 211323
Ion Ratio Lower Upper
98 100
100 65.7 50.5 75.7

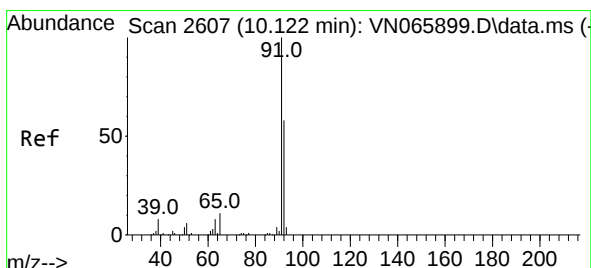
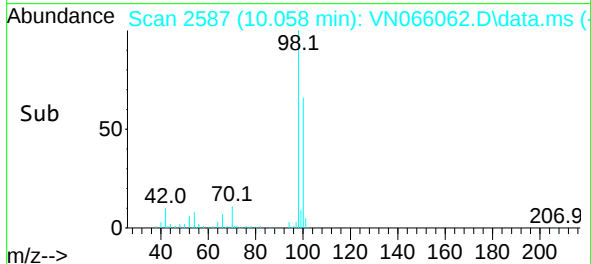
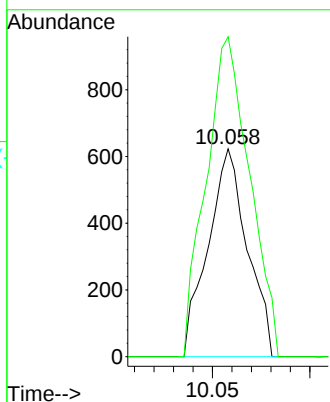
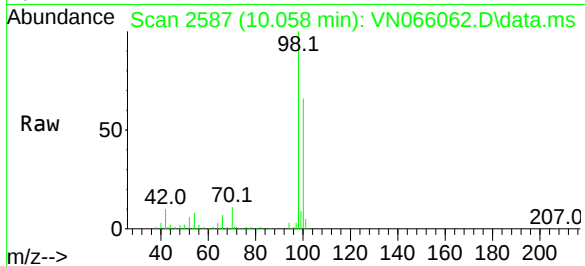




#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.106 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

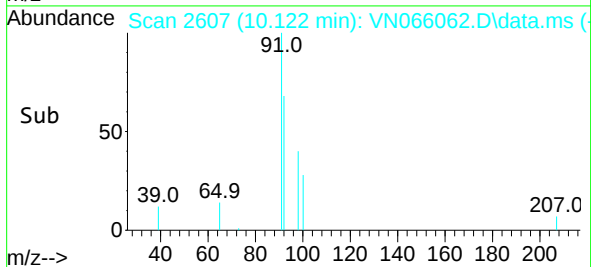
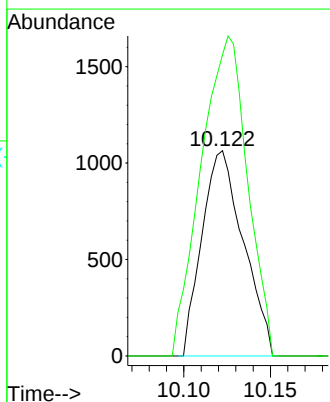
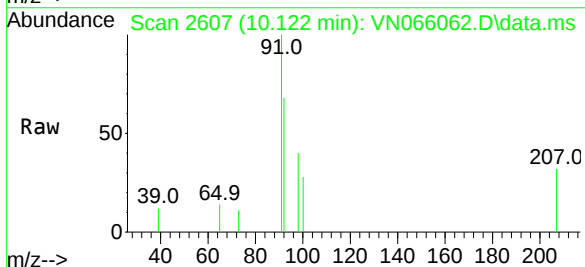
Instrument :
MSVOA_N
ClientSampled :
32937

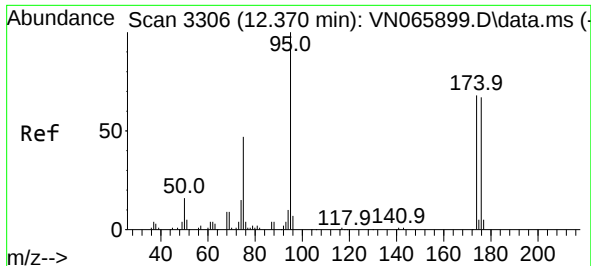
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 171.0 32.5 48.7#



#52
Toluene
Concen: 0.54 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 92 Resp: 1769
Ion Ratio Lower Upper
92 100
91 174.8 140.7 211.1

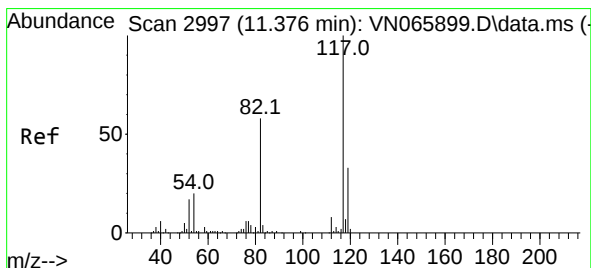
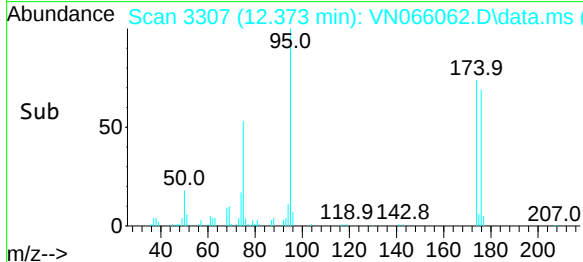
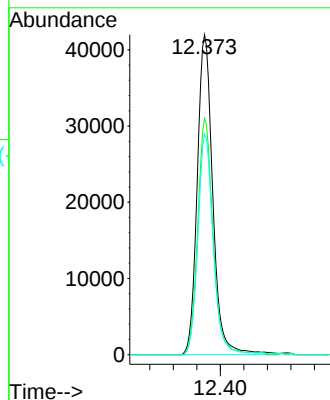
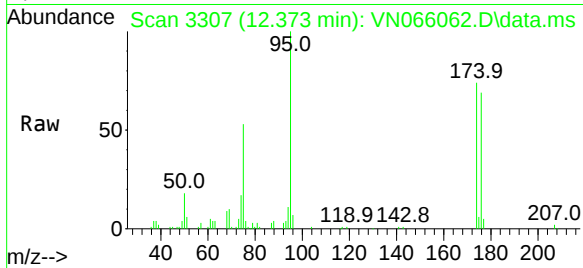




#62
4-Bromofluorobenzene
Concen: 46.09 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

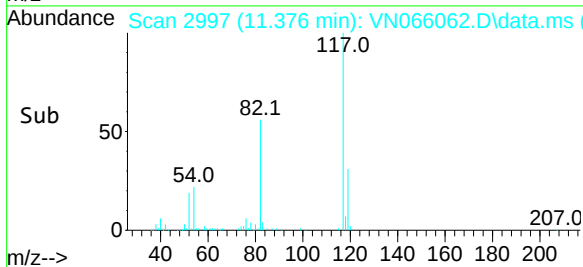
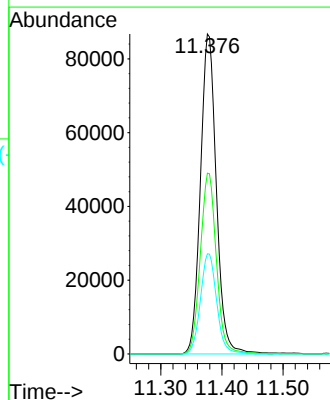
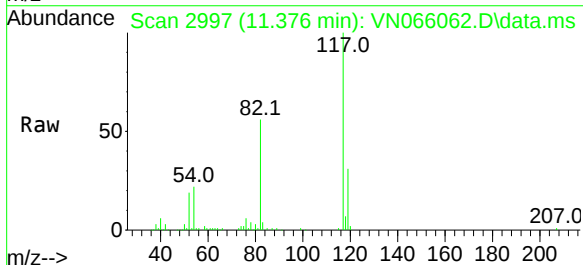
Instrument :
MSVOA_N
ClientSampled :
32937

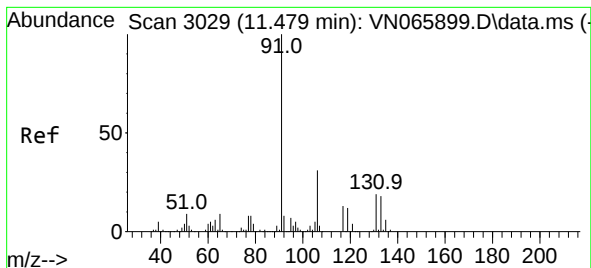
Tgt Ion: 95 Resp: 77018
Ion Ratio Lower Upper
95 100
174 72.7 0.0 169.0
176 67.3 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion:117 Resp: 157094
Ion Ratio Lower Upper
117 100
82 56.5 43.7 65.5
119 31.3 26.1 39.1





#67

Ethyl Benzene

Concen: 0.39 ug/l

RT: 11.482 min Scan# 3030

Delta R.T. 0.003 min

Lab File: VN066062.D

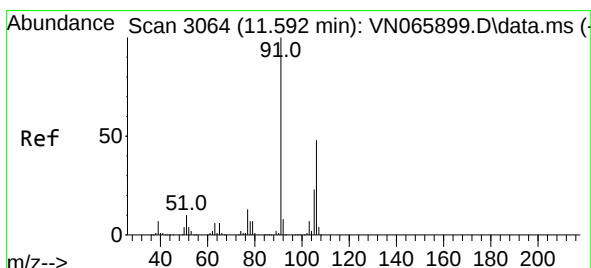
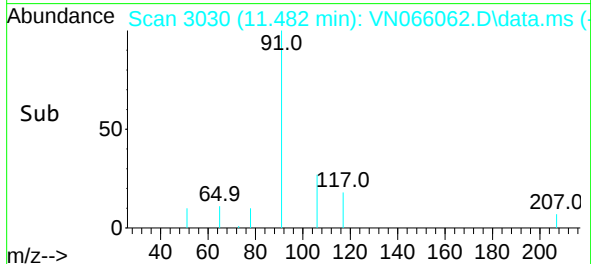
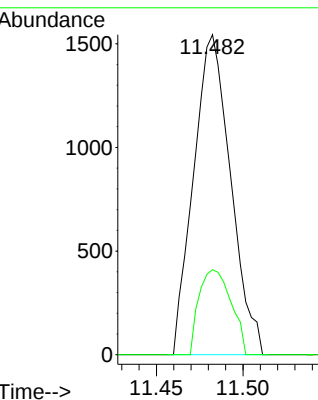
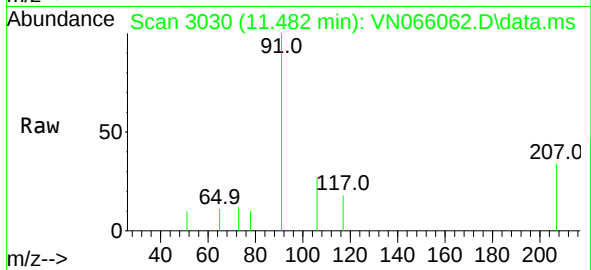
Acq: 26 Feb 2021 19:28

Tgt Ion: 91 Resp: 2300

Ion Ratio Lower Upper

91 100

106 26.6 25.5 38.3



#68

m/p-Xylenes

Concen: 1.35 ug/l

RT: 11.585 min Scan# 3062

Delta R.T. -0.007 min

Lab File: VN066062.D

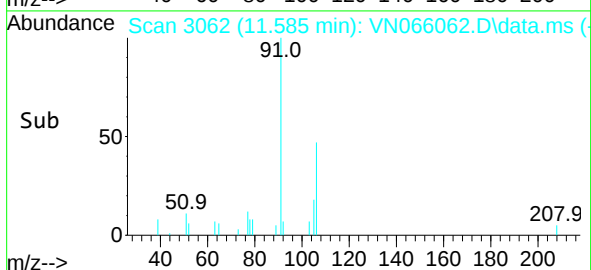
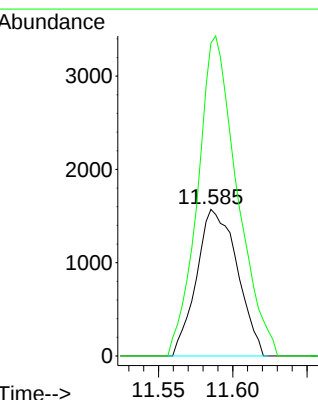
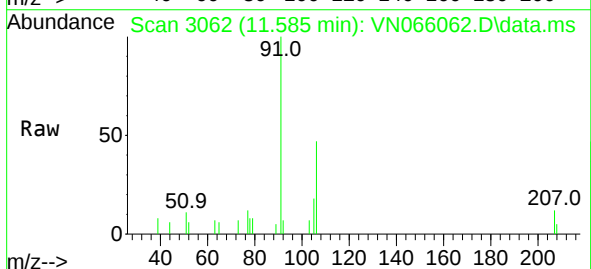
Acq: 26 Feb 2021 19:28

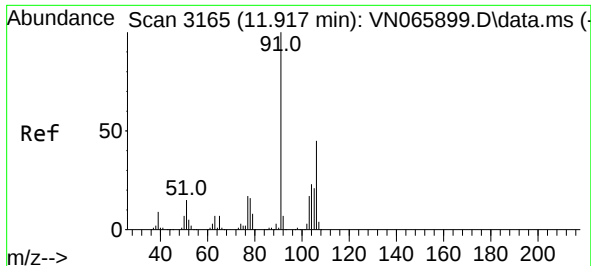
Tgt Ion: 106 Resp: 2992

Ion Ratio Lower Upper

106 100

91 211.9 161.4 242.0

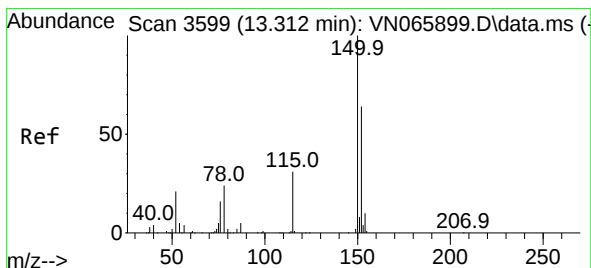
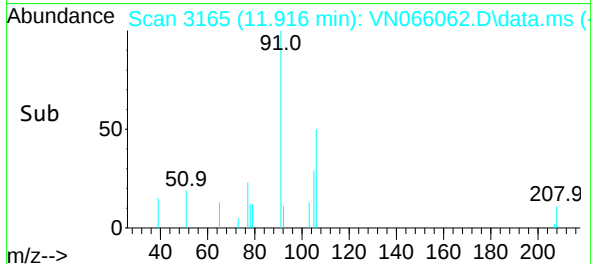
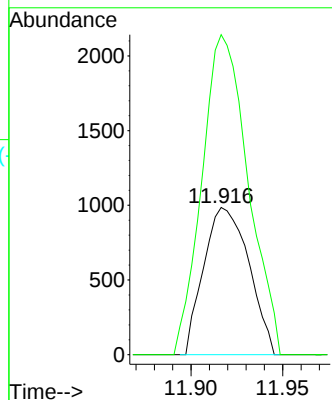
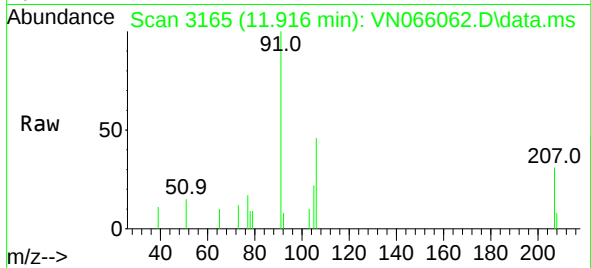




#69
o-Xylene
Concen: 0.79 ug/l
RT: 11.916 min Scan# 3165
Delta R.T. -0.001 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

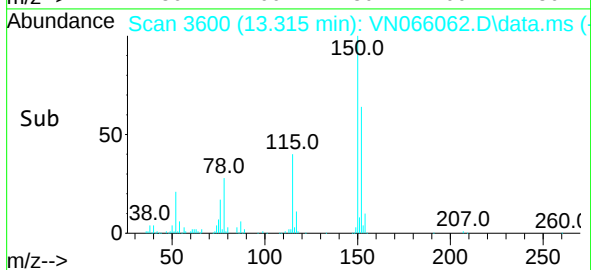
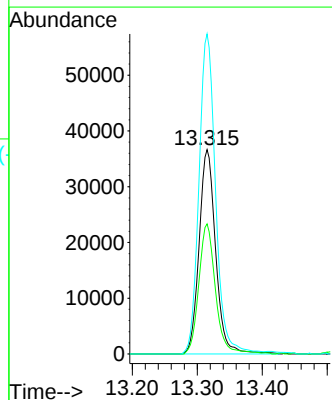
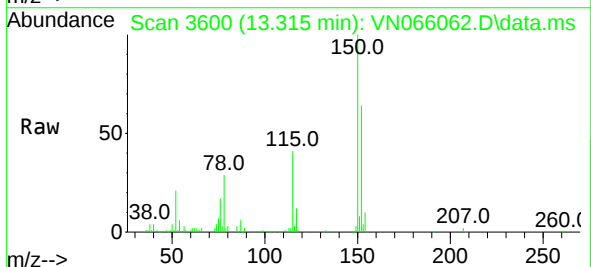
Instrument :
MSVOA_N
ClientSampled :
32937

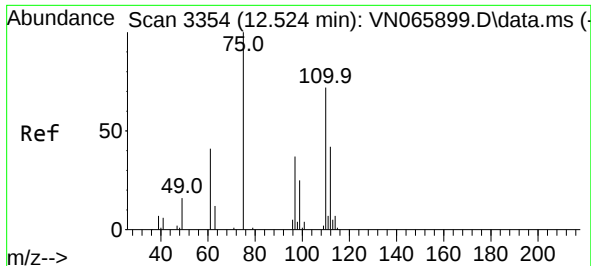
Tgt Ion:106 Resp: 1686
Ion Ratio Lower Upper
106 100
91 222.3 106.8 320.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion:152 Resp: 65229
Ion Ratio Lower Upper
152 100
115 63.8 28.5 85.6
150 156.8 0.0 347.6

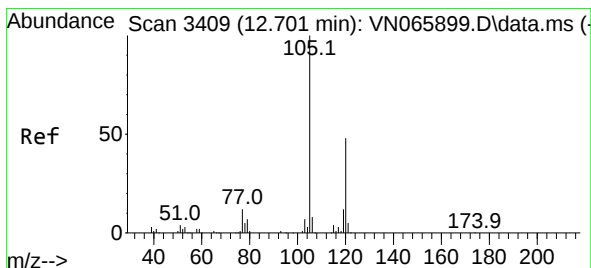
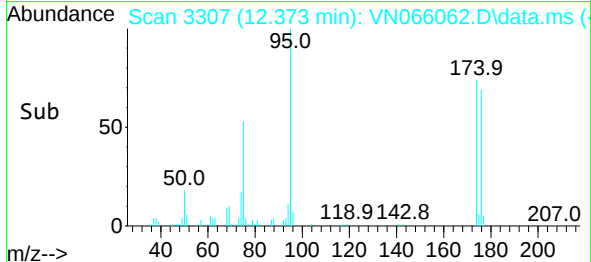
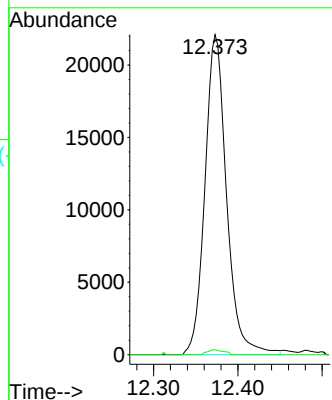
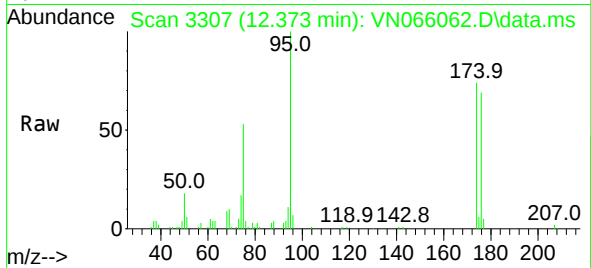




#76
1,2,3-Trichloropropane
Concen: 25.20 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

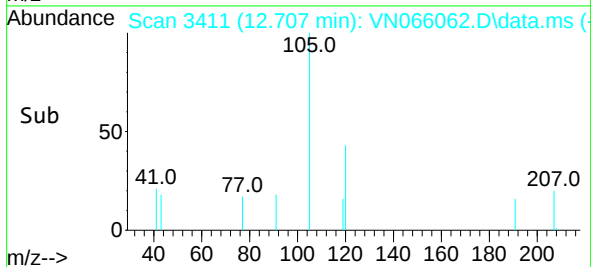
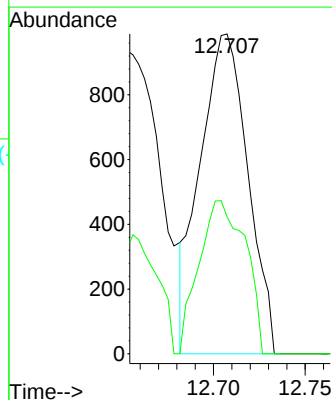
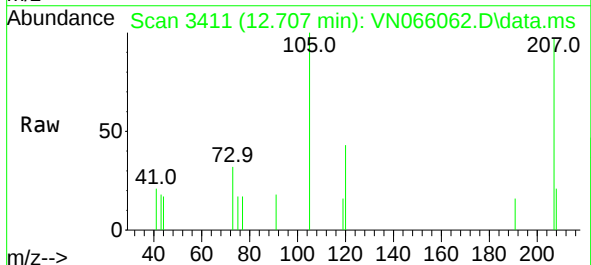
Instrument :
MSVOA_N
ClientSampled :
32937

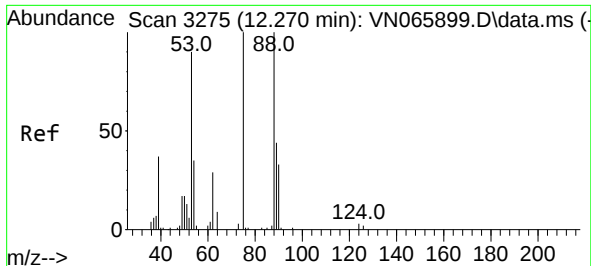
Tgt Ion: 75 Resp: 39486
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.40 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion:105 Resp: 1792
Ion Ratio Lower Upper
105 100
120 46.7 24.3 72.8

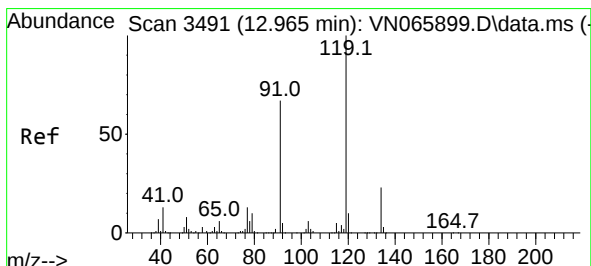
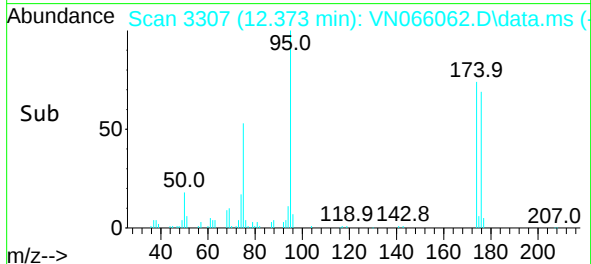
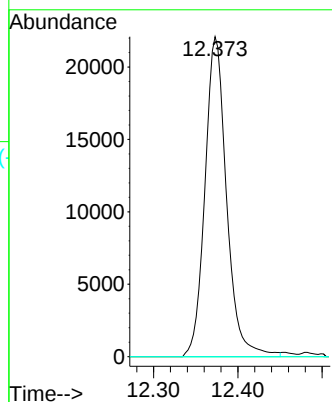
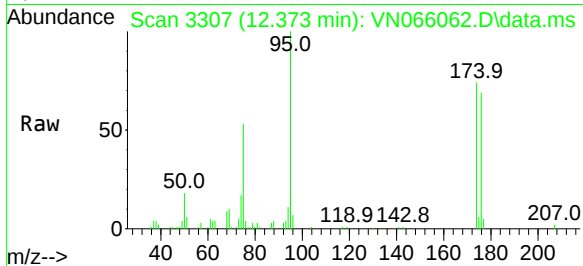




#81
trans-1,4-Dichloro-2-butene
Concen: 80.31 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

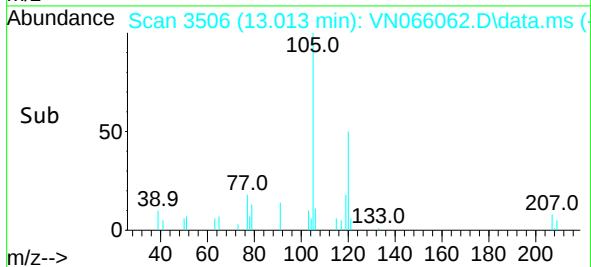
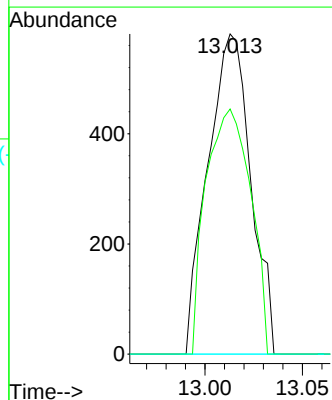
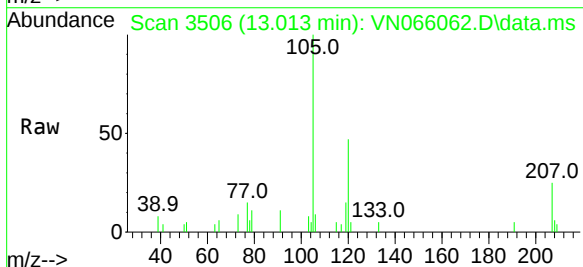
Instrument :
MSVOA_N
ClientSampled :
32937

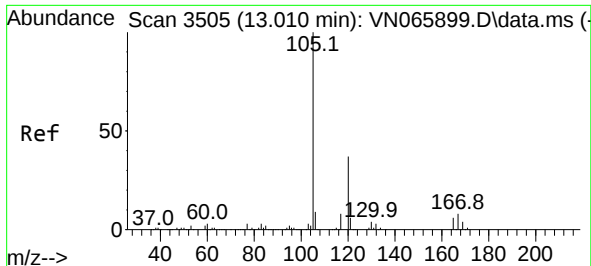
Tgt Ion: 75 Resp: 39486
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#83
tert-Butylbenzene
Concen: 0.24 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.048 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 119 Resp: 893
Ion Ratio Lower Upper
119 100
91 79.7 33.0 98.9
134 0.0 12.7 38.1#

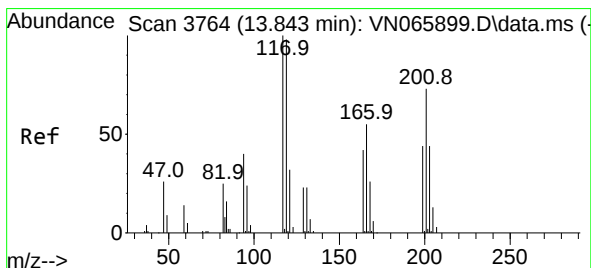
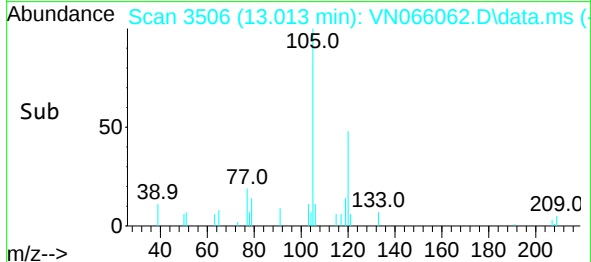
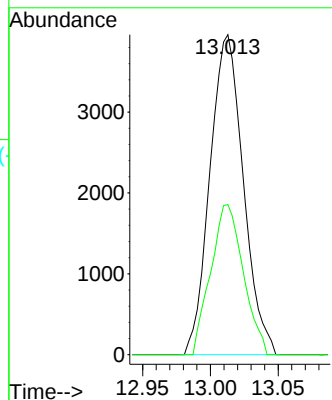
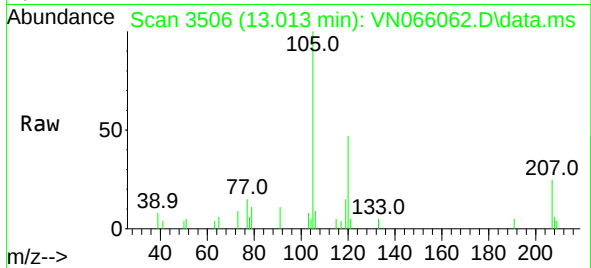




#84
1,2,4-Trimethylbenzene
Concen: 1.49 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

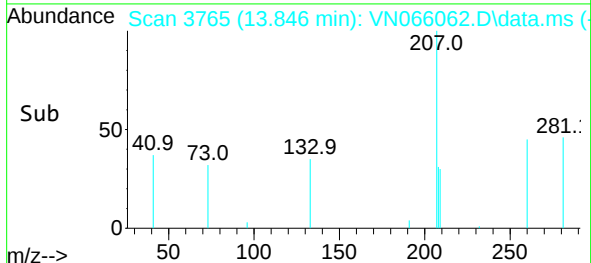
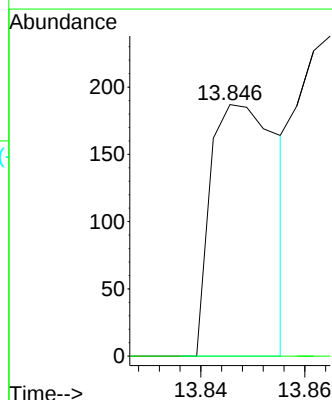
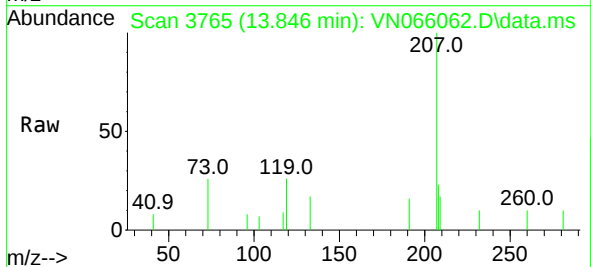
Instrument :
MSVOA_N
ClientSampled :
32937

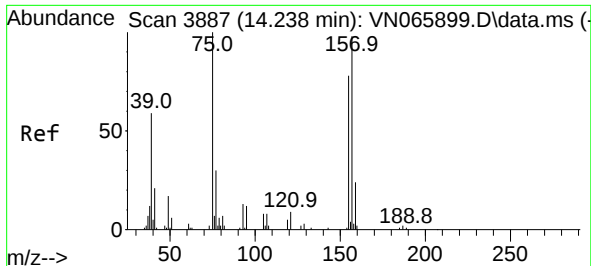
Tgt Ion:105 Resp: 6779
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.0



#90
Hexachloroethane
Concen: 0.22 ug/l
RT: 13.846 min Scan# 3765
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion:117 Resp: 167
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

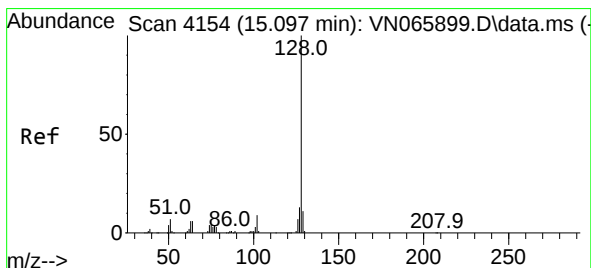
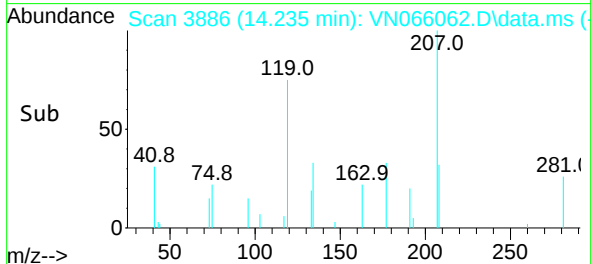
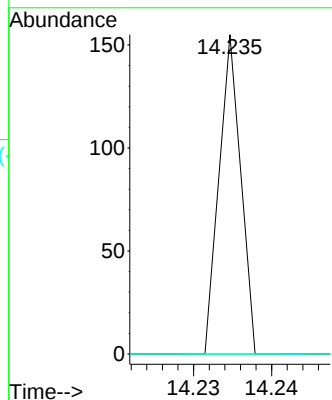
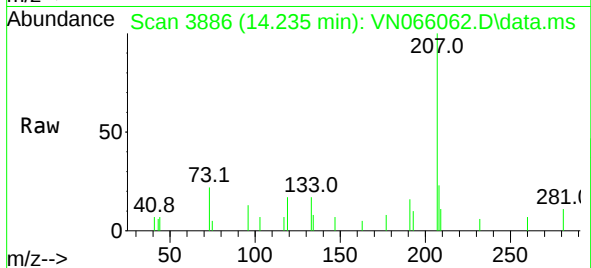




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.94 ug/l
RT: 14.235 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Instrument :
MSVOA_N
ClientSampleId :
32937

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 3.24 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.003 min
Lab File: VN066062.D
Acq: 26 Feb 2021 19:28

Tgt Ion: 128 Resp: 719
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

