

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066251.D
 Acq On : 18 Mar 2021 13:37
 Operator : JC/MD
 Sample : M1714-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:24:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

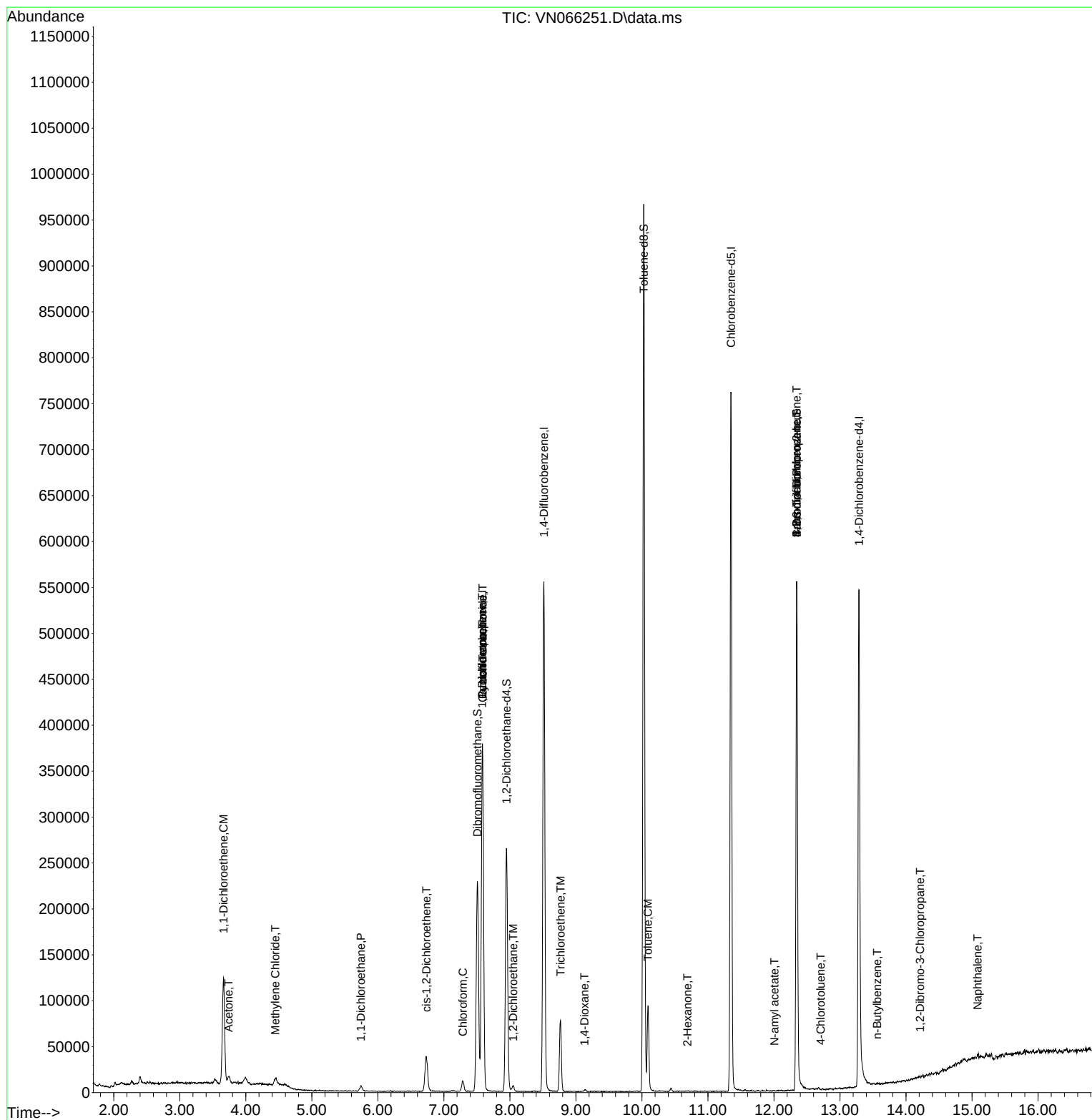
Internal Standards						
1) Pentafluorobenzene	7.584	168	341674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	503064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	460493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	170969	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	220593	44.81	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.62%		
35) Dibromofluoromethane	7.509	113	178789	55.71	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.42%		
50) Toluene-d8	10.028	98	663392	53.46	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.92%		
62) 4-Bromofluorobenzene	12.345	95	193803	43.33	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.66%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.663	96	56417	17.59	ug/l	87
13) Acrolein	3.532	56	4297	Below Cal	#	58
16) Acetone	3.738	43	11859	5.01	ug/l	100
20) Methylene Chloride	4.449	84	4184	1.13	ug/l	# 70
24) 1,1-Dichloroethane	5.745	63	9174	1.18	ug/l	# 94
27) cis-1,2-Dichloroethene	6.734	96	26520	6.47	ug/l	72
30) Chloroform	7.289	83	12273	1.73	ug/l	96
31) Cyclohexane	7.584	56	5668	0.77	ug/l	# 1
36) 1,1-Dichloropropene	7.582	75	21273	4.18	ug/l	# 50
38) Carbon Tetrachloride	7.587	117	26792	5.87	ug/l	# 18
42) 1,2-Dichloroethane	8.051	62	5342	0.96	ug/l	88
44) Trichloroethene	8.767	130	29411	7.91	ug/l	94
49) 1,4-Dioxane	9.129	88	517	8.93	ug/l	# 58
52) Toluene	10.092	92	39213	4.42	ug/l	99
59) 2-Hexanone	10.690	43	436	1.42	ug/l	# 29
71) Bromoform	12.345	173	1730	0.63	ug/l	# 1
74) N-amyl acetate	12.007	43	137	2.18	ug/l	# 49
76) 1,2,3-Trichloropropane	12.345	75	92166	20.88	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.345	75	92166	62.47	ug/l	# 11
82) 4-Chlorotoluene	12.710	91	55	0.47	ug/l	# 43
89) n-Butylbenzene	13.565	91	248	2.26	ug/l	# 41
92) 1,2-Dibromo-3-Chloropr...	14.214	75	116	0.96	ug/l	# 8
95) Naphthalene	15.083	128	2262	0.23	ug/l	# 89

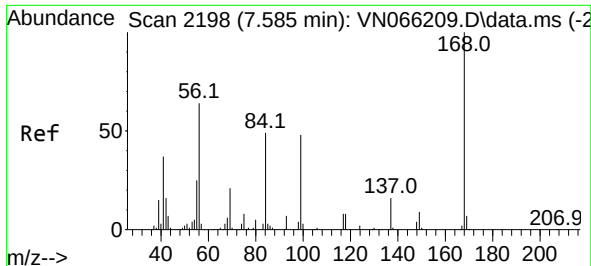
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Mar 19 04:24:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 17 05:05:15 2021
Response via : Initial Calibration

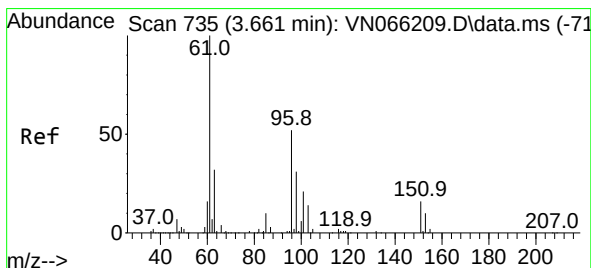
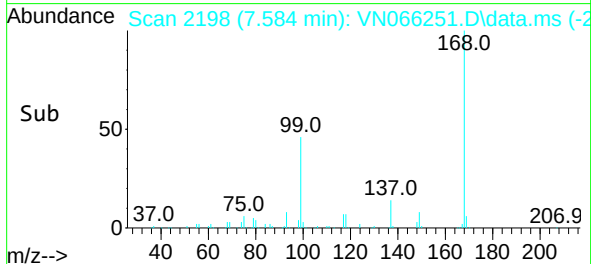
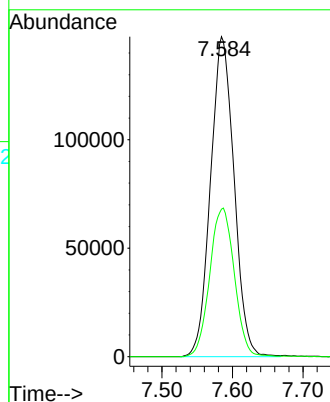
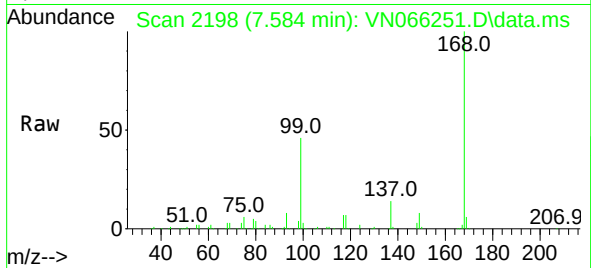




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.001 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

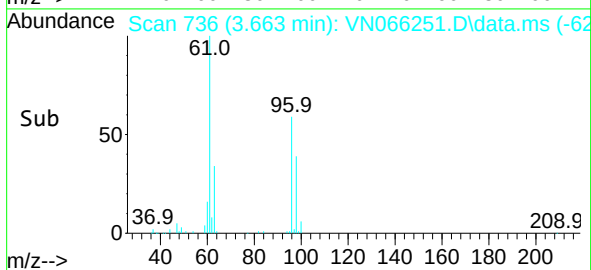
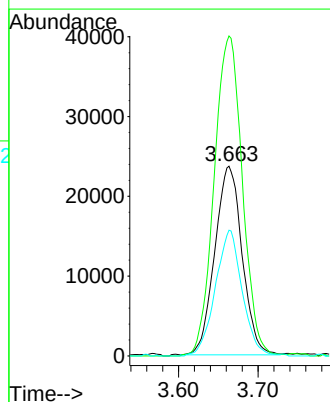
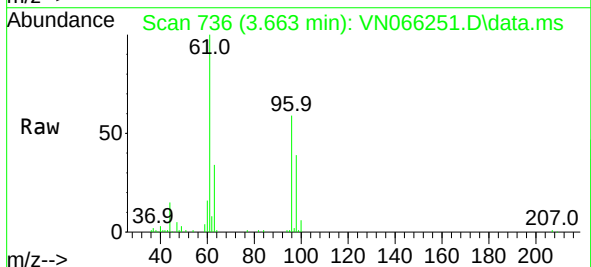
Instrument :
MSVOA_N
ClientSampleId :

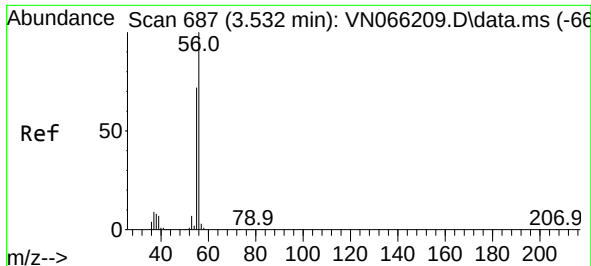
Tgt Ion:168 Resp: 341674
Ion Ratio Lower Upper
168 100
99 46.1 45.4 68.0



#12
1,1-Dichloroethene
Concen: 17.59 ug/l
RT: 3.663 min Scan# 736
Delta R.T. 0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 96 Resp: 56417
Ion Ratio Lower Upper
96 100
61 169.7 155.4 233.2
98 66.7 50.8 76.2

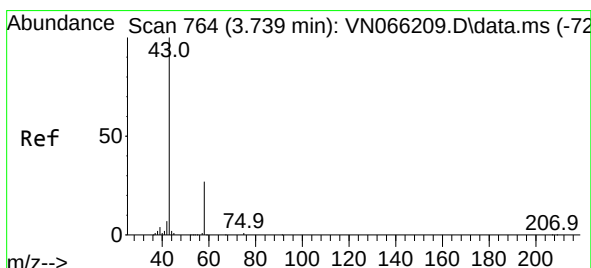
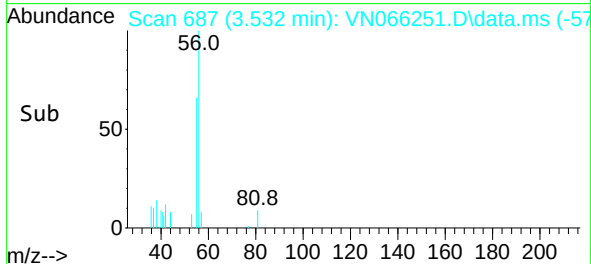
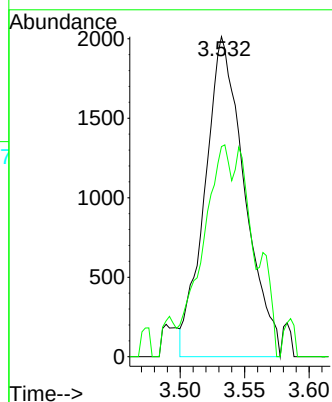
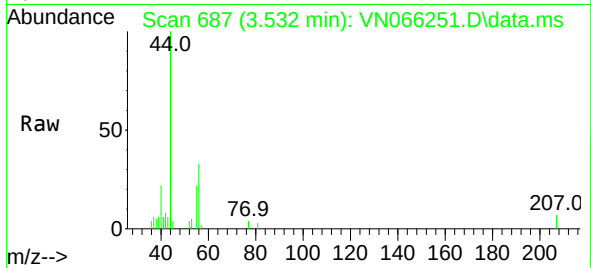




#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. -0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

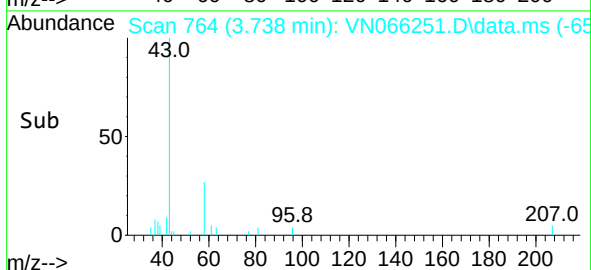
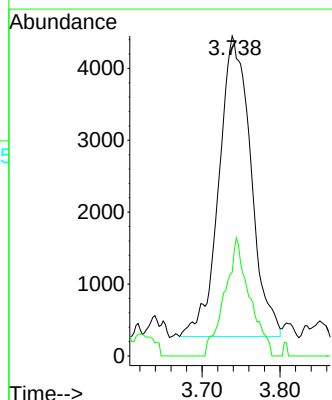
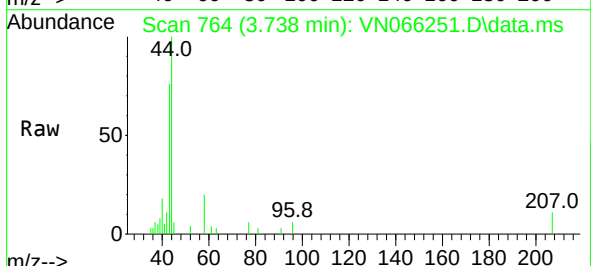
Instrument :
MSVOA_N
ClientSampled :

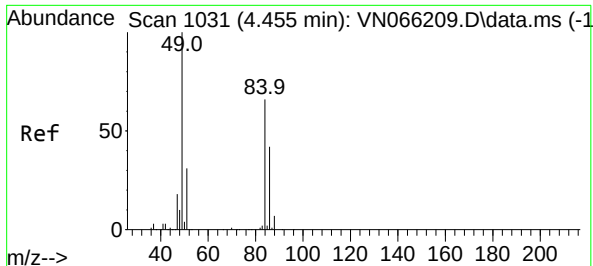
Tgt Ion: 56 Resp: 4297
Ion Ratio Lower Upper
56 100
55 37.1 58.0 87.0#



#16
Acetone
Concen: 5.01 ug/l
RT: 3.738 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

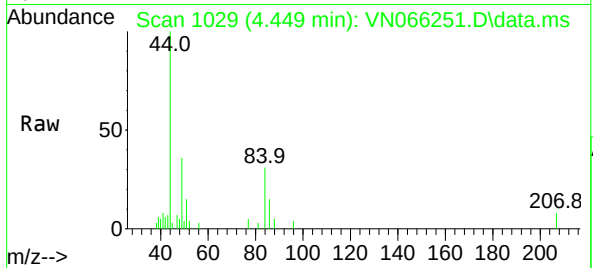
Tgt Ion: 43 Resp: 11859
Ion Ratio Lower Upper
43 100
58 27.8 22.3 33.5



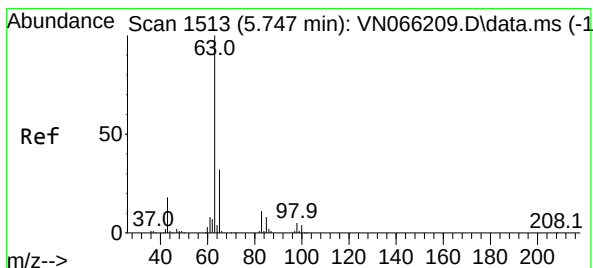
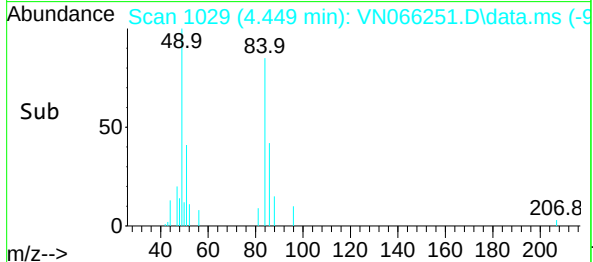
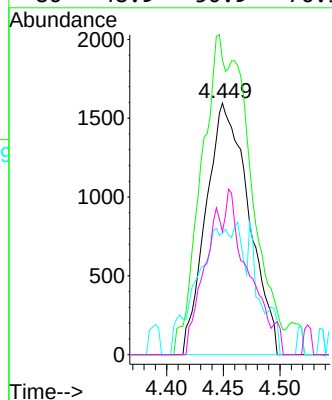


#20
Methylene Chloride
Concen: 1.13 ug/l
RT: 4.449 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Instrument :
MSVOA_N
ClientSampled :

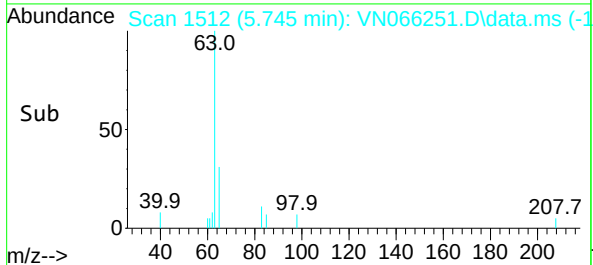
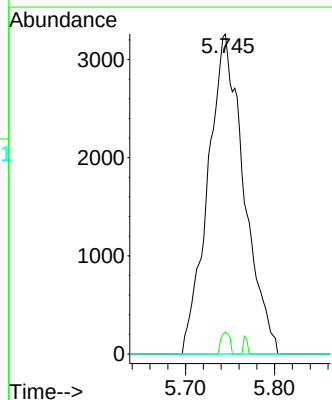
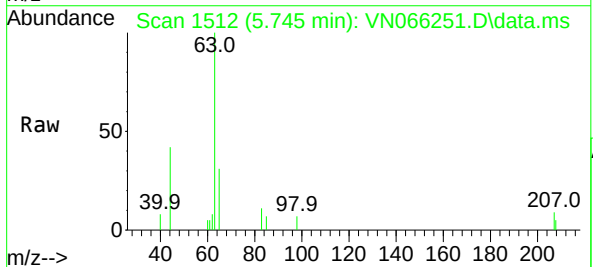


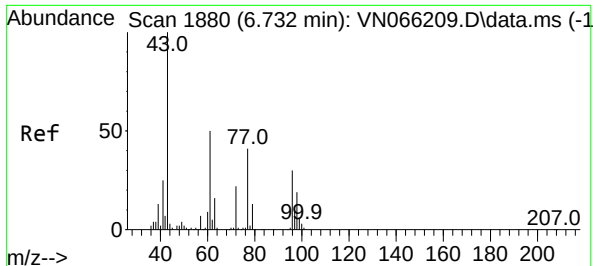
Tgt Ion: 84 Resp: 4184
Ion Ratio Lower Upper
84 100
49 106.0 130.0 195.0#
51 48.2 39.1 58.7
86 48.9 50.9 76.3#



#24
1,1-Dichloroethane
Concen: 1.18 ug/l
RT: 5.745 min Scan# 1512
Delta R.T. -0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 63 Resp: 9174
Ion Ratio Lower Upper
63 100
98 6.9 2.9 8.6
100 0.0 1.7 5.0#

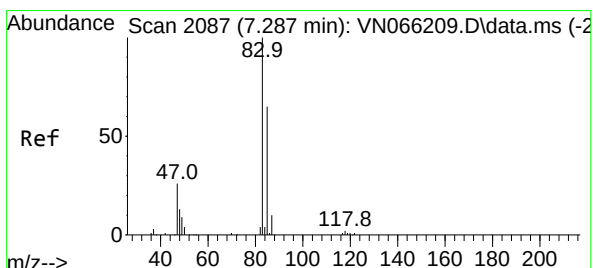
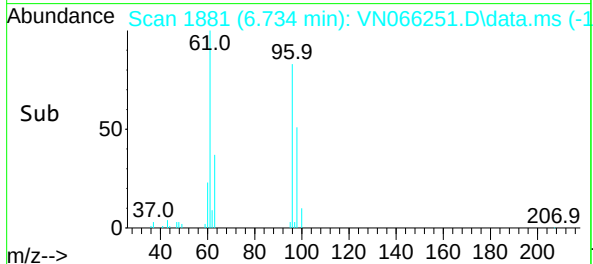
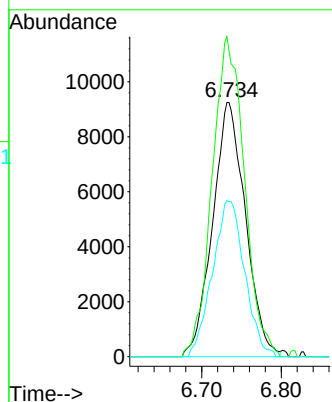
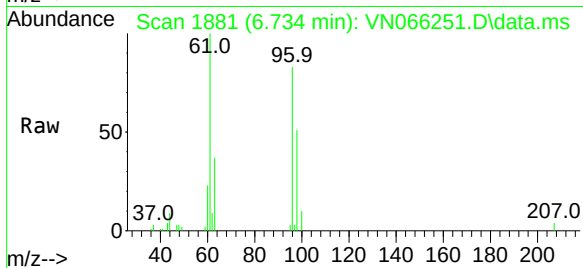




#27
cis-1,2-Dichloroethene
Concen: 6.47 ug/l
RT: 6.734 min Scan# 1881
Delta R.T. 0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

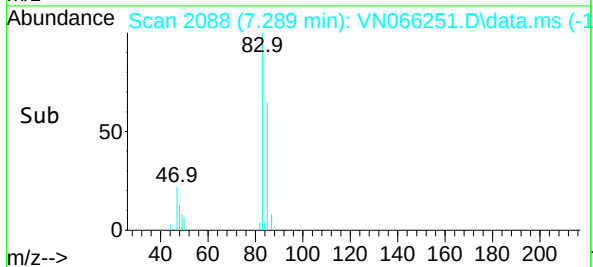
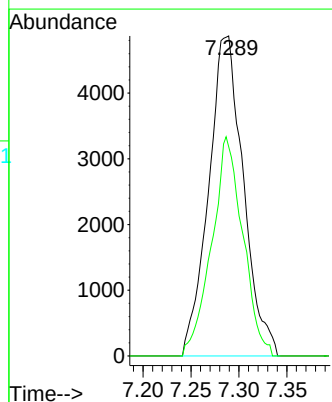
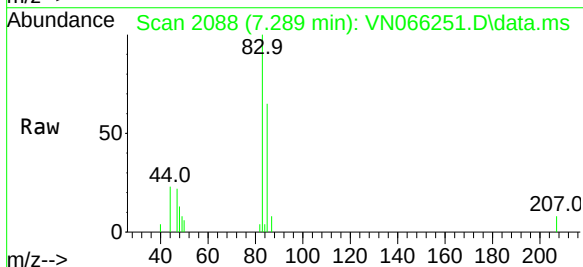
Instrument :
MSVOA_N
ClientSampled :

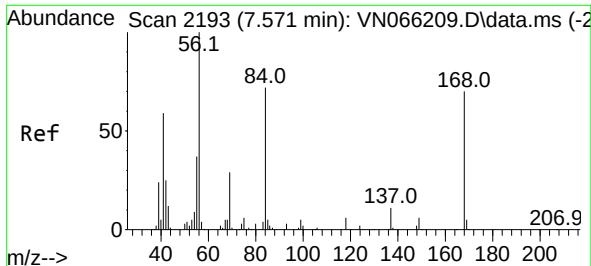
Tgt Ion: 96 Resp: 26520
Ion Ratio Lower Upper
96 100
61 123.9 0.0 350.8
98 60.2 0.0 125.0



#30
Chloroform
Concen: 1.73 ug/l
RT: 7.289 min Scan# 2088
Delta R.T. 0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

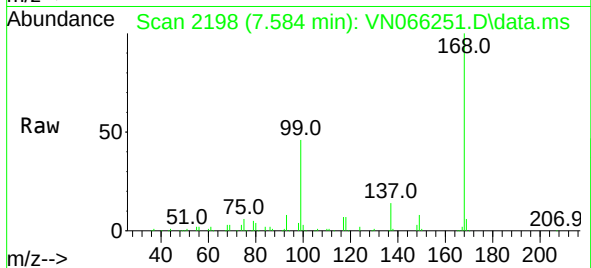
Tgt Ion: 83 Resp: 12273
Ion Ratio Lower Upper
83 100
85 65.4 49.9 74.9



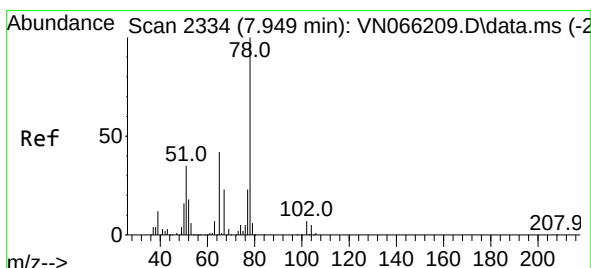
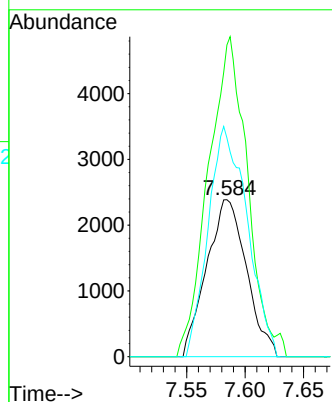
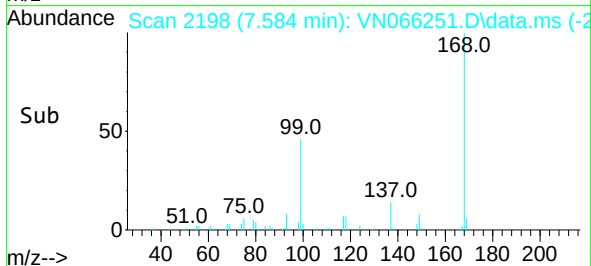


#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

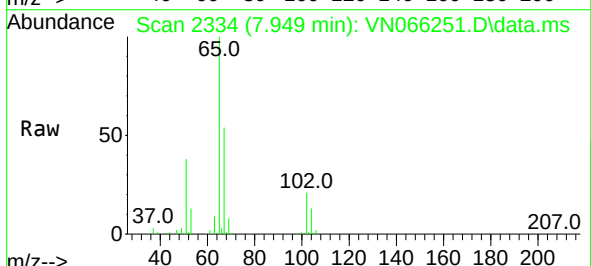
Instrument :
MSVOA_N
ClientSampled :



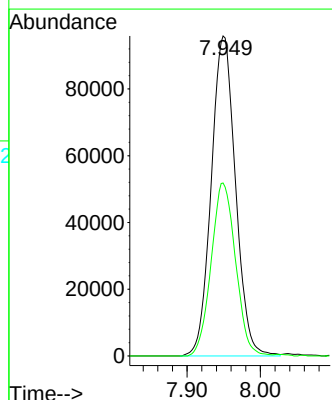
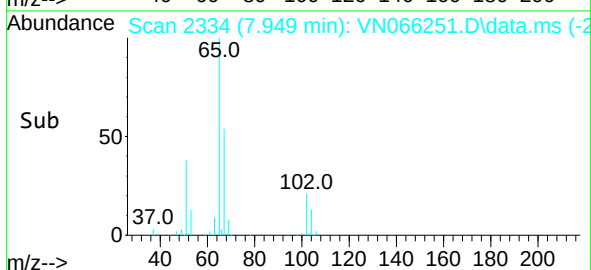
Tgt Ion: 56 Resp: 5668
Ion Ratio Lower Upper
56 100
69 190.7 23.4 35.0#
84 139.3 57.8 86.6#

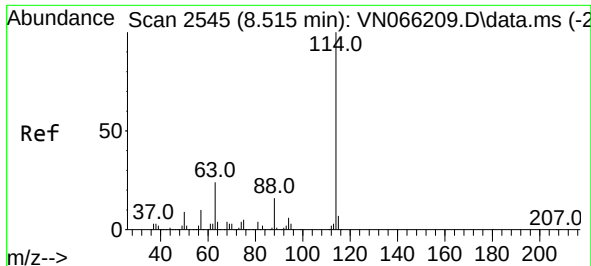


#33
1,2-Dichloroethane-d4
Concen: 44.81 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37



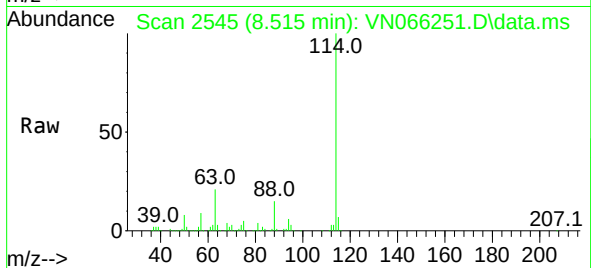
Tgt Ion: 65 Resp: 220593
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



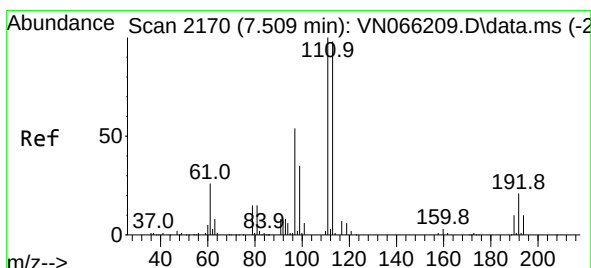
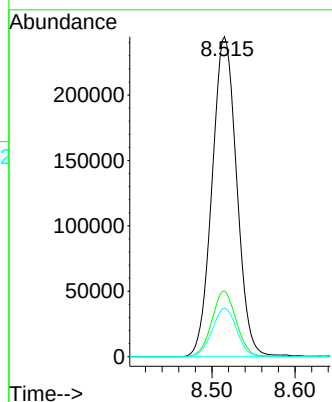
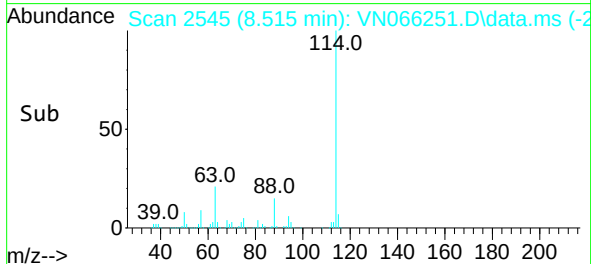


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

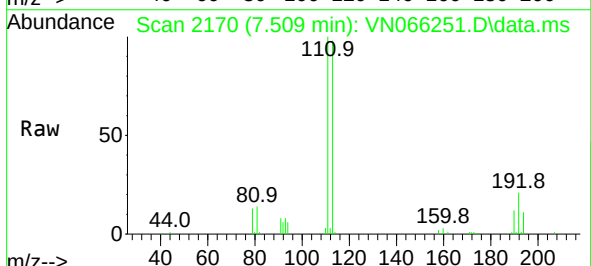
Instrument :
MSVOA_N
ClientSampled :



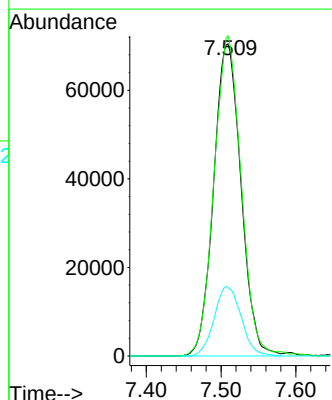
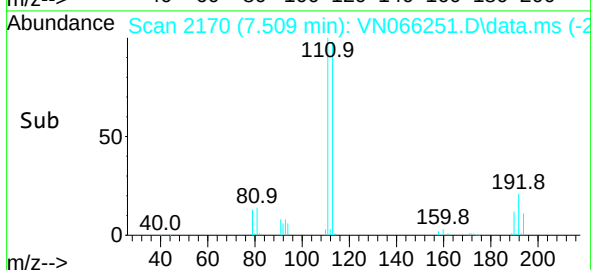
Tgt Ion:114 Resp: 503064
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.2
88 15.2 0.0 33.8

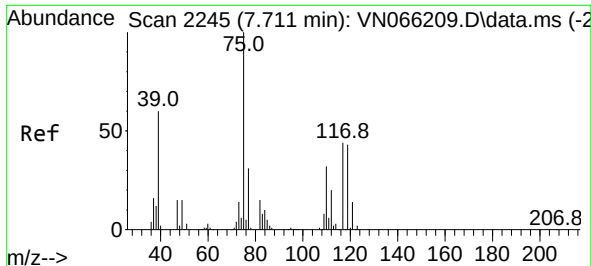


#35
Dibromofluoromethane
Concen: 55.71 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37



Tgt Ion:113 Resp: 178789
Ion Ratio Lower Upper
113 100
111 101.3 84.0 126.0
192 21.9 16.7 25.1

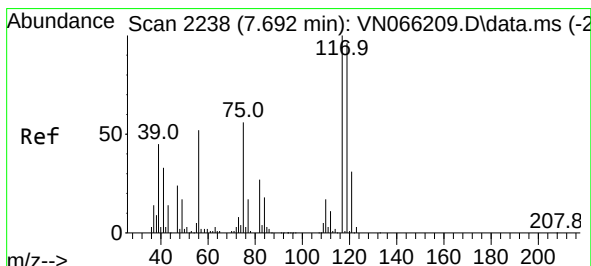
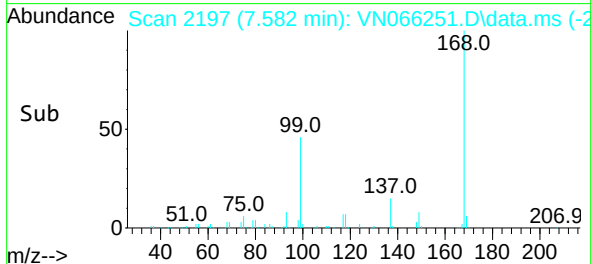
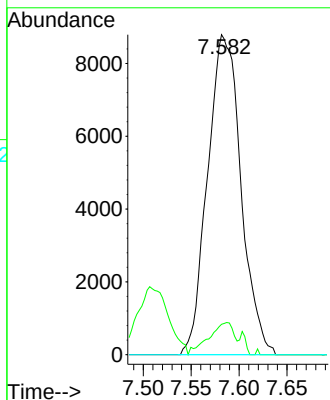
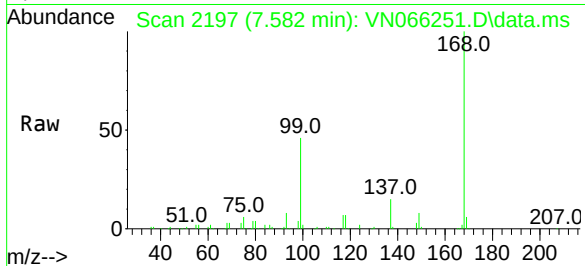




#36
1,1-Dichloropropene
Concen: 4.18 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.129 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

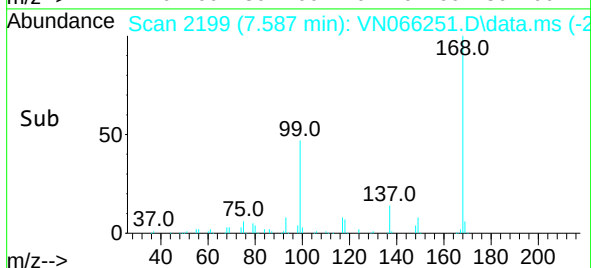
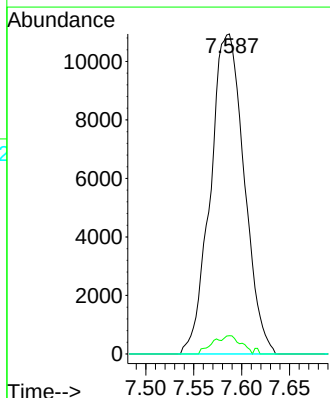
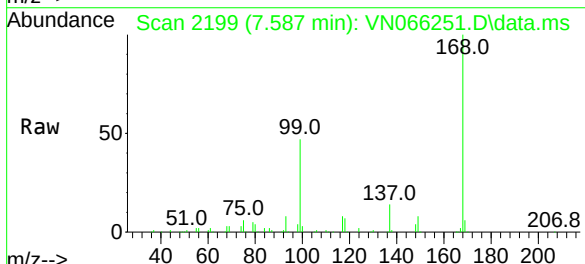
Instrument :
MSVOA_N
ClientSampled :

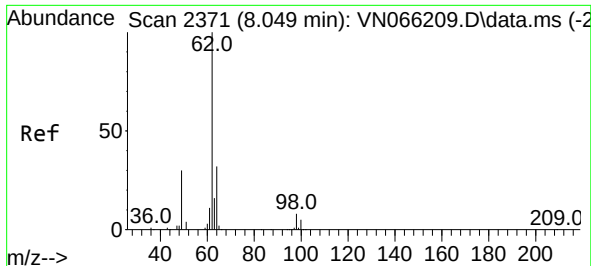
Tgt Ion: 75 Resp: 21273
Ion Ratio Lower Upper
75 100
110 7.5 16.0 48.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.87 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 117 Resp: 26792
Ion Ratio Lower Upper
117 100
119 5.7 74.6 111.8#
121 0.0 23.9 35.9#

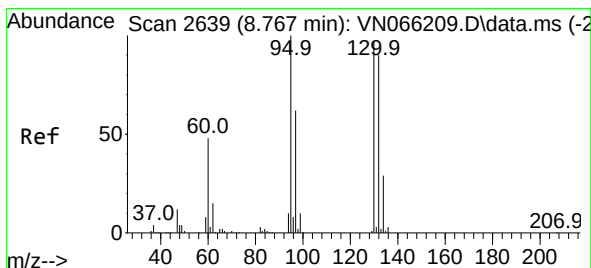
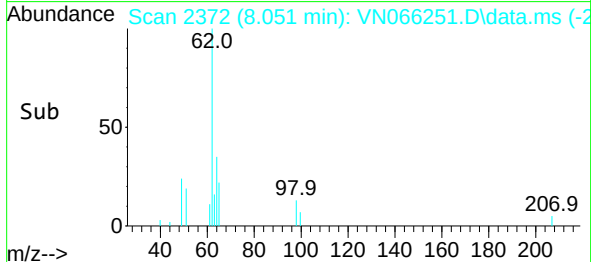
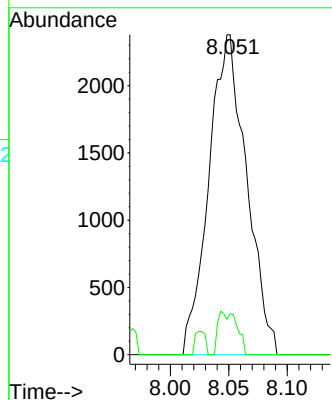
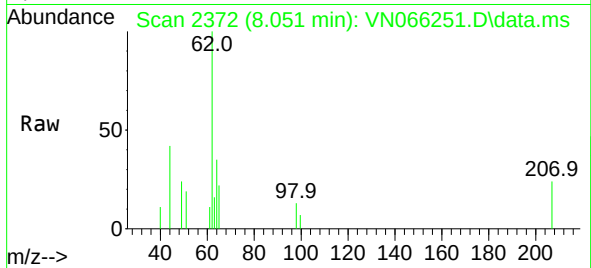




#42
1,2-Dichloroethane
Concen: 0.96 ug/l
RT: 8.051 min Scan# 2372
Delta R.T. 0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

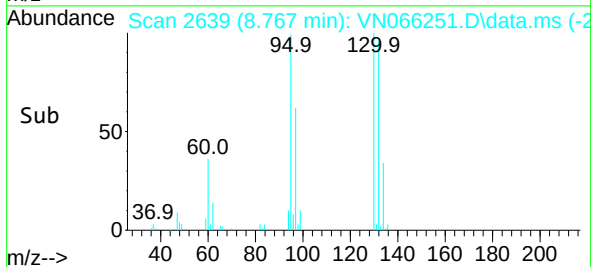
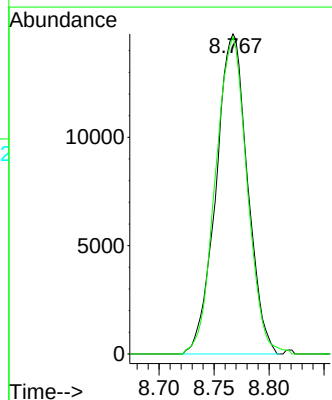
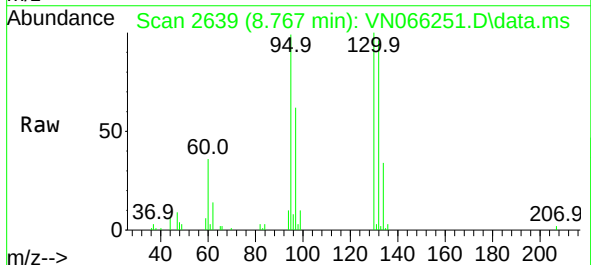
Instrument :
MSVOA_N
ClientSampled :

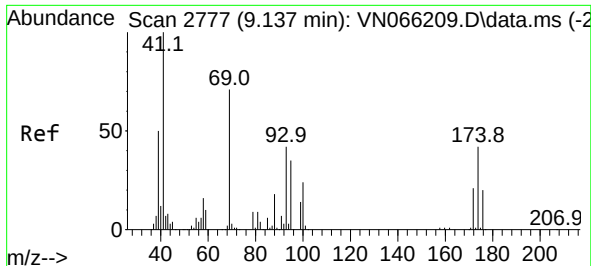
Tgt Ion: 62 Resp: 5342
Ion Ratio Lower Upper
62 100
98 3.4 0.0 14.8



#44
Trichloroethene
Concen: 7.91 ug/l
RT: 8.767 min Scan# 2639
Delta R.T. 0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

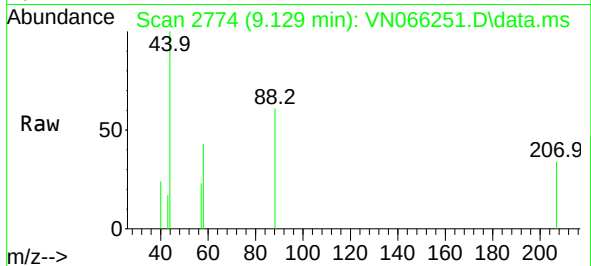
Tgt Ion:130 Resp: 29411
Ion Ratio Lower Upper
130 100
95 99.0 0.0 210.2



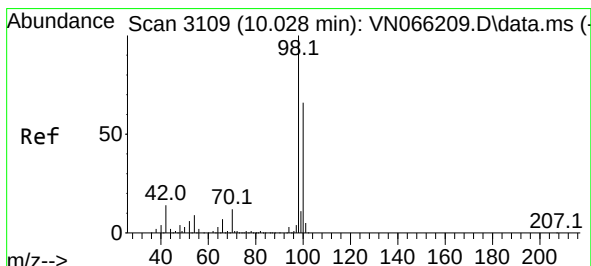
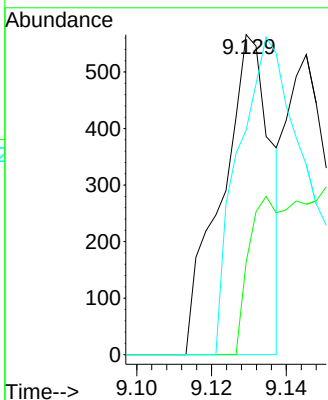
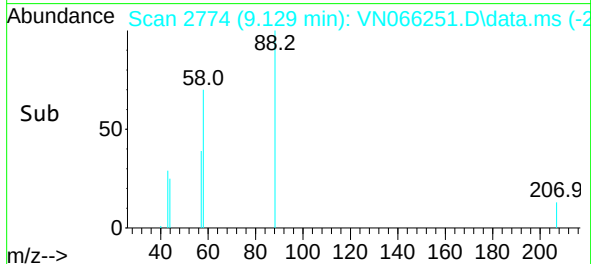


#49
1,4-Dioxane
Concen: 8.93 ug/l
RT: 9.129 min Scan# 2774
Delta R.T. -0.008 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

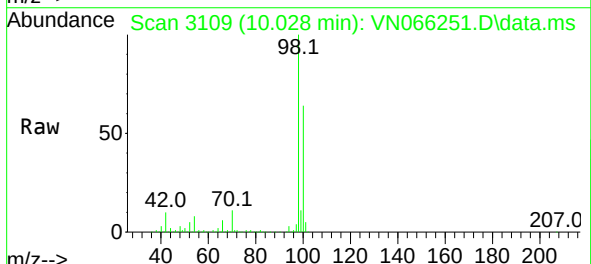
Instrument :
MSVOA_N
ClientSampled :



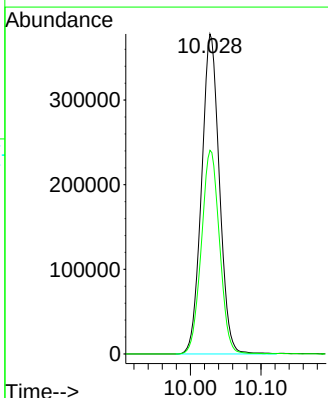
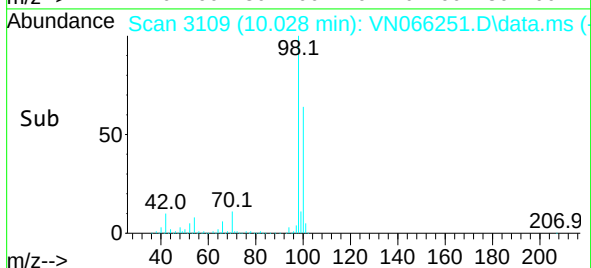
Tgt Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 29.4 34.4 51.6#
58 132.3 67.3 100.9#

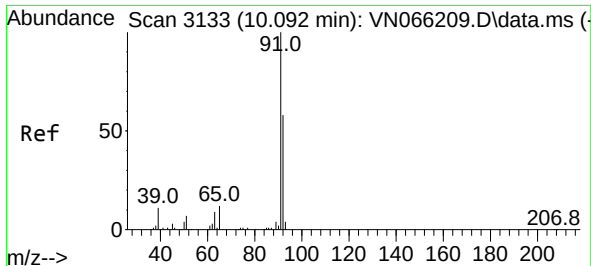


#50
Toluene-d8
Concen: 53.46 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37



Tgt Ion: 98 Resp: 663392
Ion Ratio Lower Upper
98 100
100 64.8 51.0 76.6

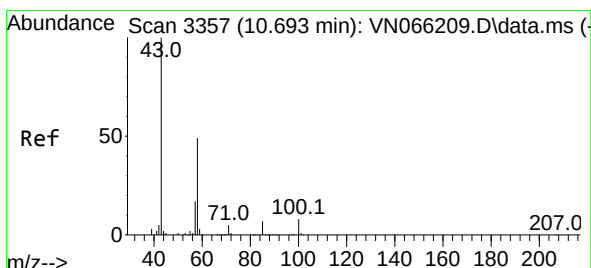
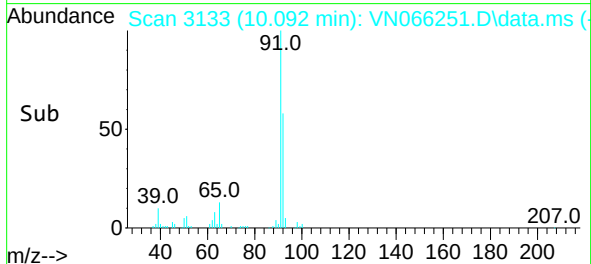
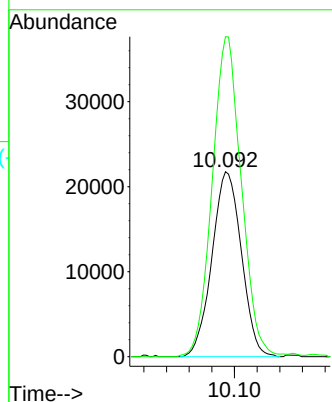
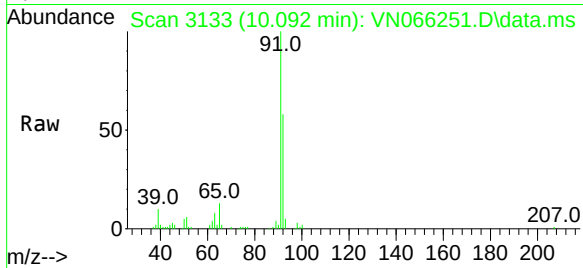




#52
Toluene
Concen: 4.42 ug/l
RT: 10.092 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

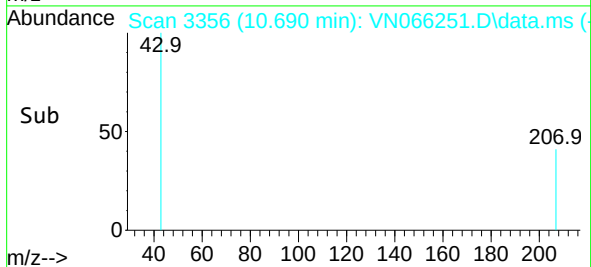
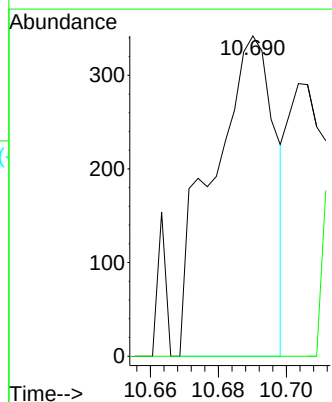
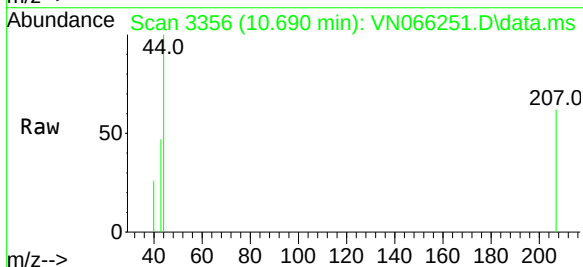
Instrument :
MSVOA_N
ClientSampled :

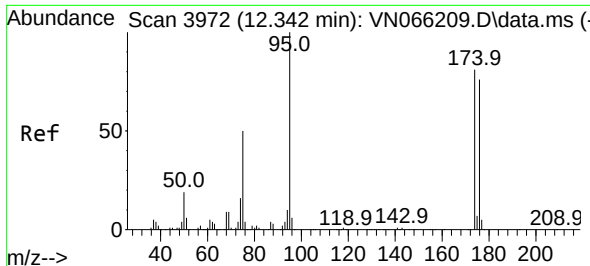
Tgt Ion: 92 Resp: 39213
Ion Ratio Lower Upper
92 100
91 171.1 137.5 206.3



#59
2-Hexanone
Concen: 1.42 ug/l
RT: 10.690 min Scan# 3356
Delta R.T. -0.003 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
58 0.0 23.8 71.5#

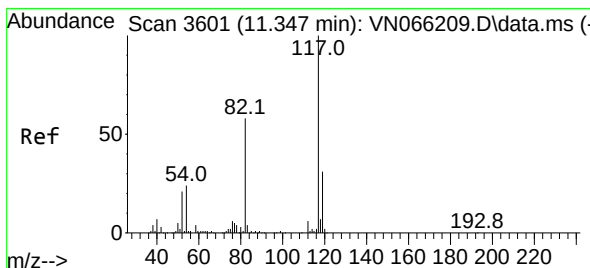
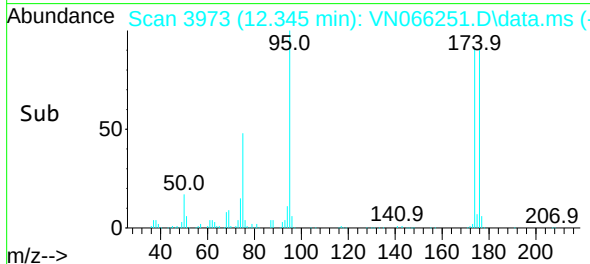
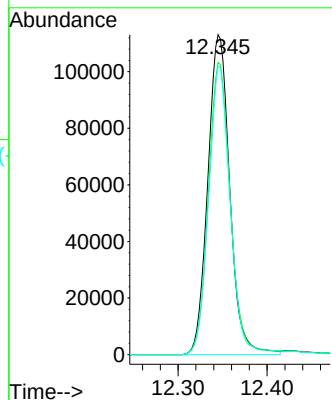
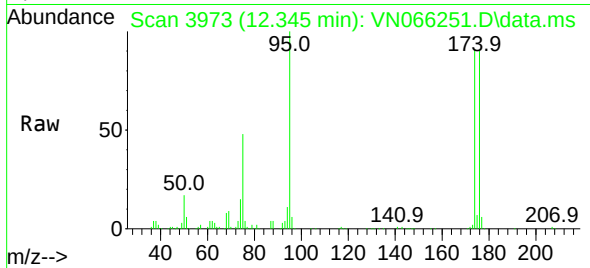




#62
4-Bromofluorobenzene
Concen: 43.33 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

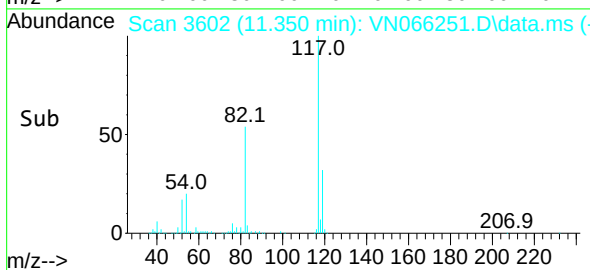
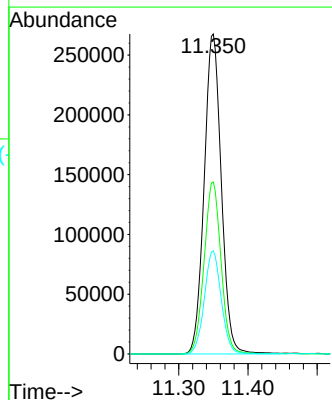
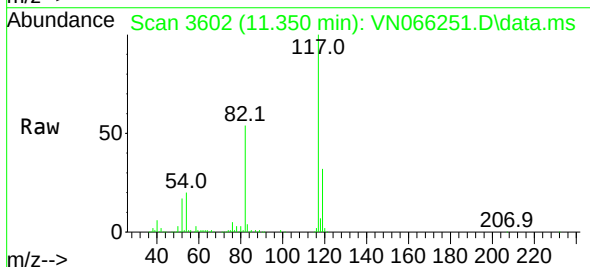
Instrument :
MSVOA_N
ClientSampleId :

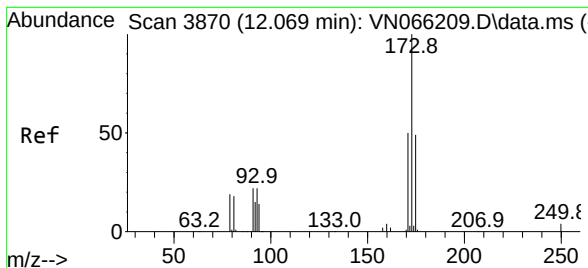
Tgt Ion: 95 Resp: 193803
Ion Ratio Lower Upper
95 100
174 91.6 0.0 162.4
176 87.7 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 117 Resp: 460493
Ion Ratio Lower Upper
117 100
82 53.8 49.0 73.6
119 32.2 25.7 38.5

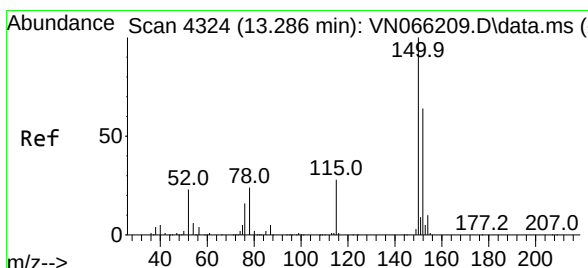
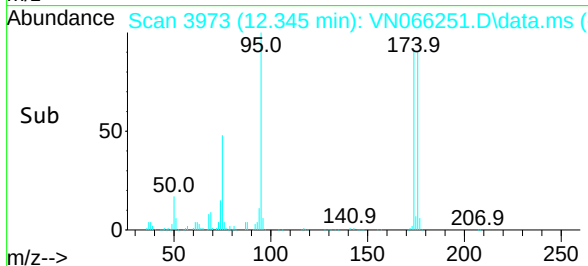
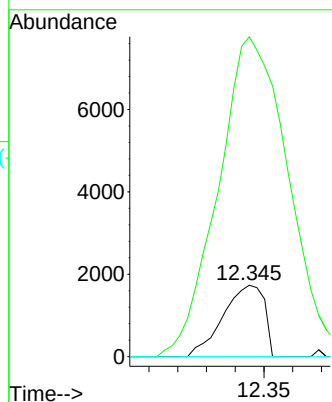
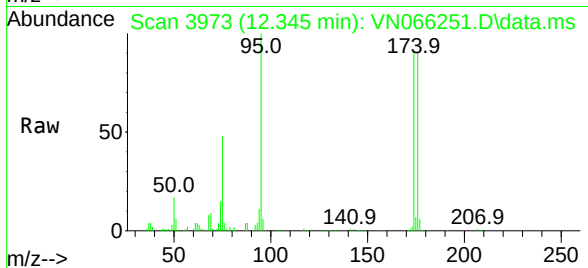




#71
Bromoform
Concen: 0.63 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

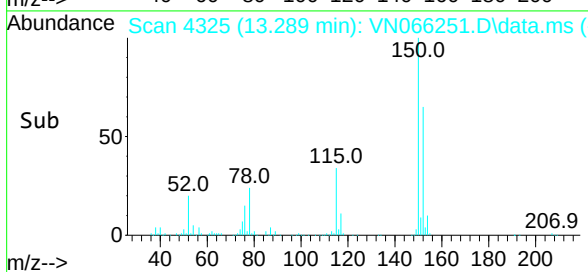
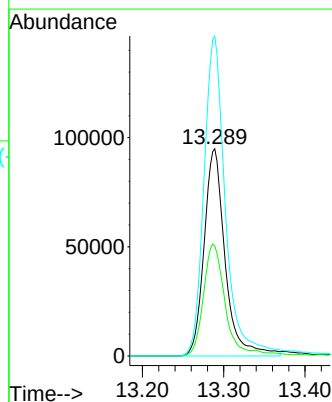
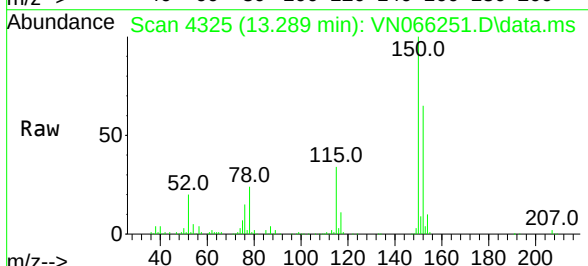
Instrument :
MSVOA_N
ClientSampleId :

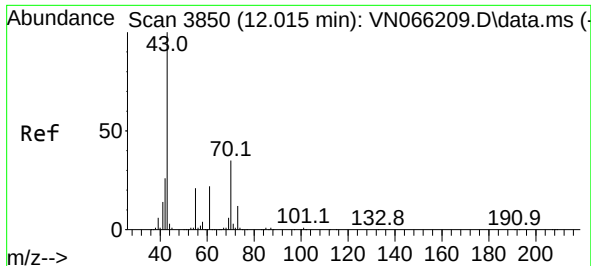
Tgt Ion:173 Resp: 1730
Ion Ratio Lower Upper
173 100
175 665.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

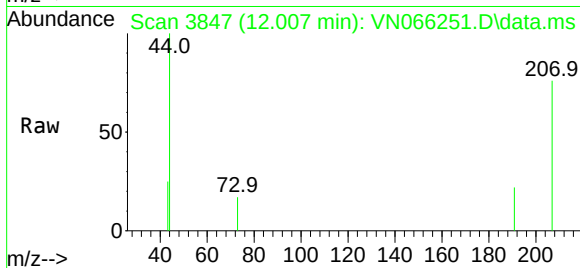
Tgt Ion:152 Resp: 170969
Ion Ratio Lower Upper
152 100
115 56.1 29.4 88.3
150 161.0 0.0 352.2



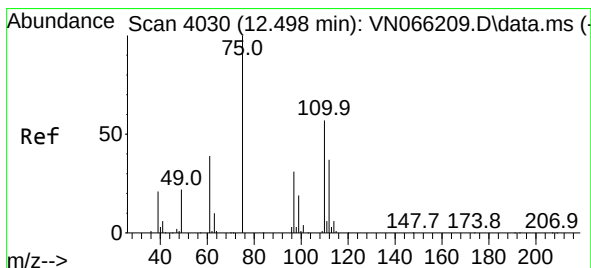
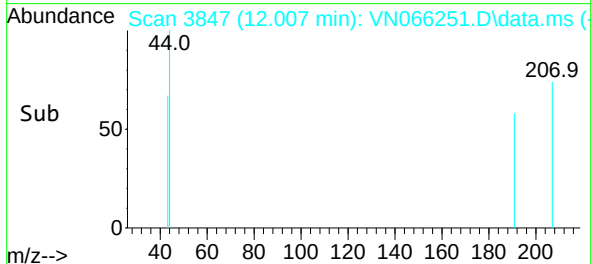
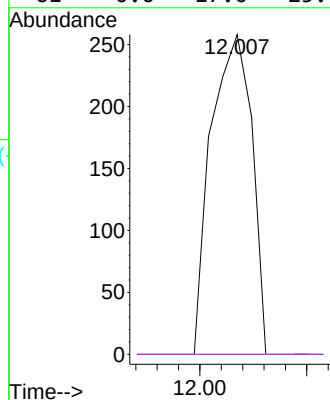


#74
N-amy1 acetate
Concen: 2.18 ug/l
RT: 12.007 min Scan# 3847
Delta R.T. -0.008 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Instrument :
MSVOA_N
ClientSampled :

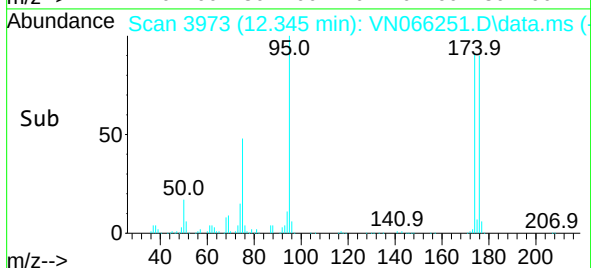
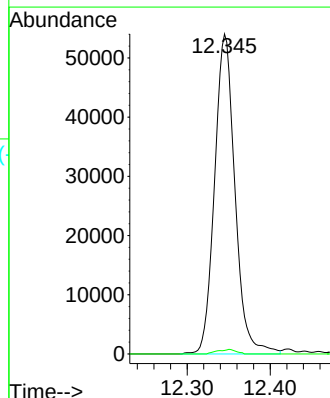
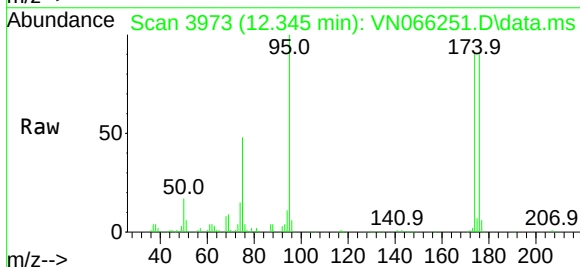


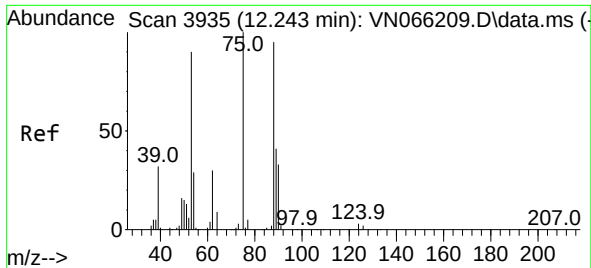
Tgt Ion: 43	Resp: 137
Ion Ratio	Lower Upper
43 100	
70 0.0	26.2 39.4#
55 0.0	17.2 25.8#
61 0.0	17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 20.88 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 75	Resp: 92166
Ion Ratio	Lower Upper
75 100	
77 1.3	0.0 0.0#

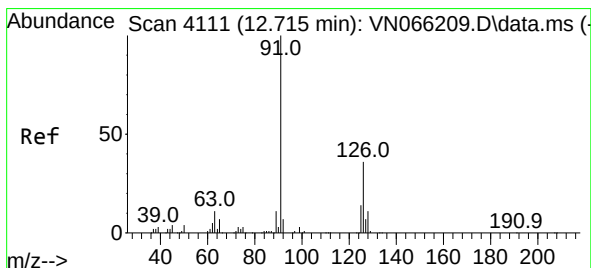
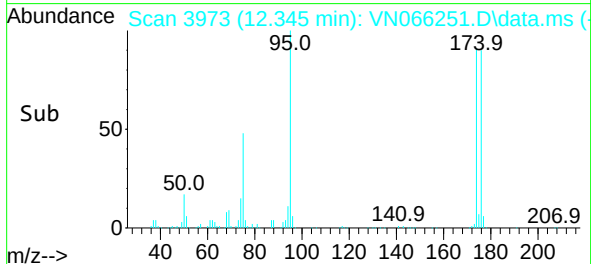
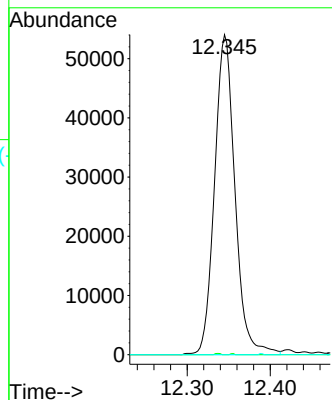
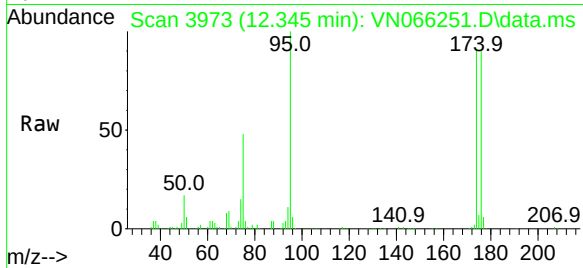




#81
trans-1,4-Dichloro-2-butene
Concen: 62.47 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

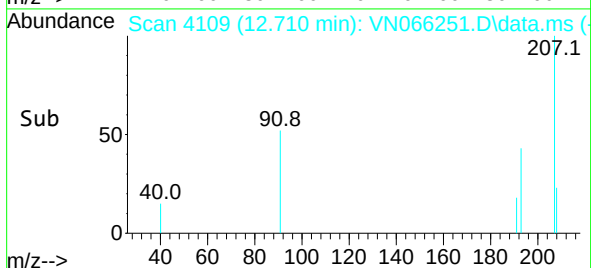
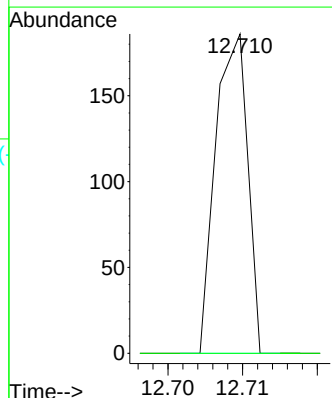
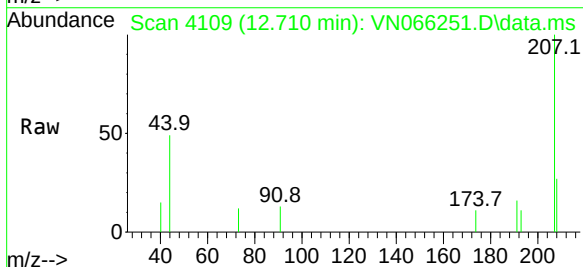
Instrument :
MSVOA_N
ClientSampleId :

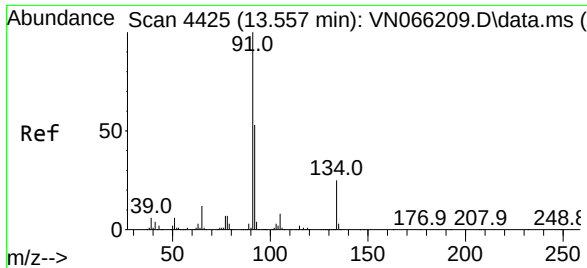
Tgt Ion: 75 Resp: 92166
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.710 min Scan# 4109
Delta R.T. -0.005 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 91 Resp: 55
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

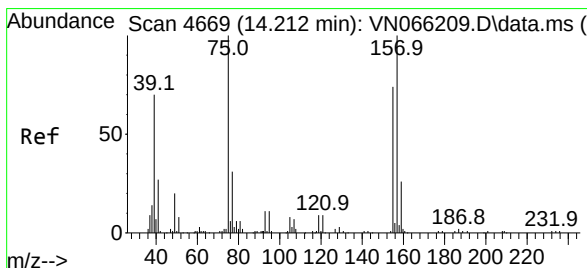
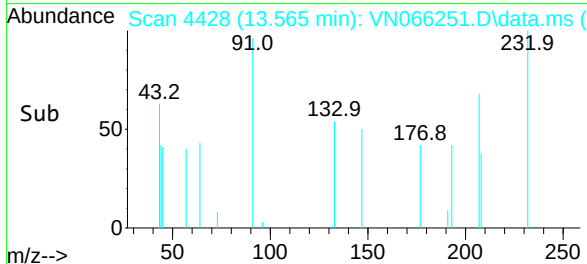
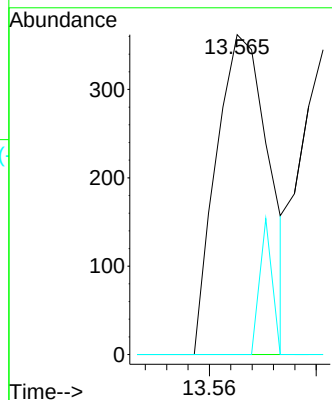
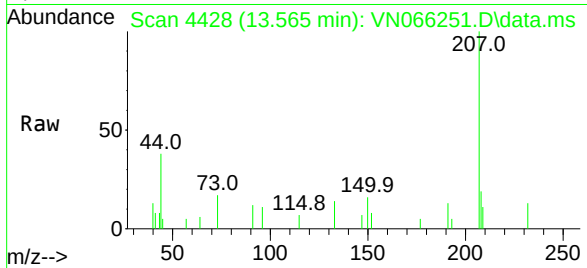




#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.565 min Scan# 4428
Delta R.T. 0.008 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

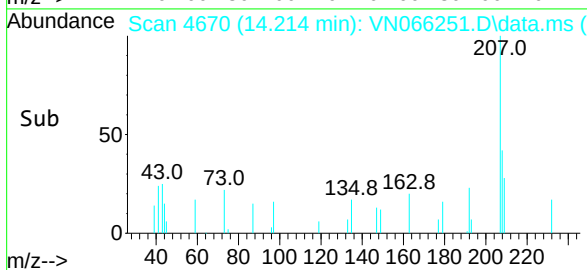
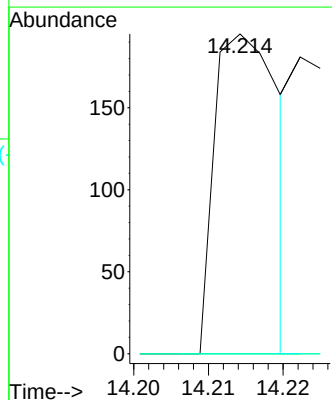
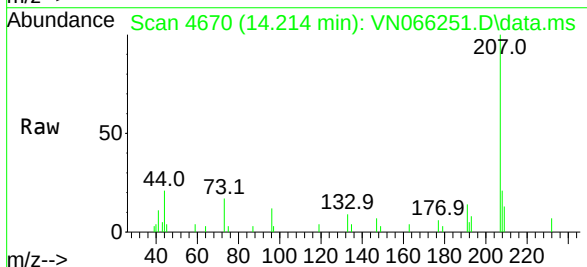
Instrument :
MSVOA_N
ClientSampled :

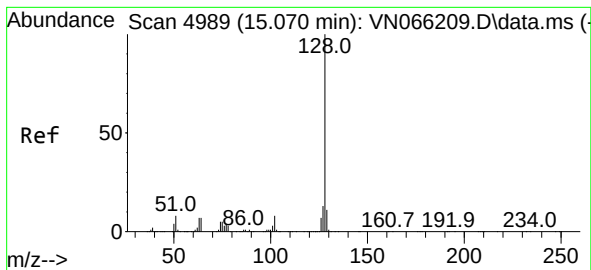
Tgt Ion: 91 Resp: 248
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 10.1 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.96 ug/l
RT: 14.214 min Scan# 4670
Delta R.T. 0.002 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Tgt Ion: 75 Resp: 116
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#





#95
Naphthalene
Concen: 0.23 ug/l
RT: 15.083 min Scan# 4994
Delta R.T. 0.013 min
Lab File: VN066251.D
Acq: 18 Mar 2021 13:37

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2262
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 1.1 8.4 12.6#

