

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065106.D
 Acq On : 14 Dec 2020 17:29
 Operator : JC/MD
 Sample : L5040-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:50:51 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	257901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	432436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	454681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	187938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	165959	55.97	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.94%
35) Dibromofluoromethane	7.550	113	146847	48.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.70%
50) Toluene-d8	10.058	98	536742	50.50	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.00%
62) 4-Bromofluorobenzene	12.376	95	202948	55.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.88%

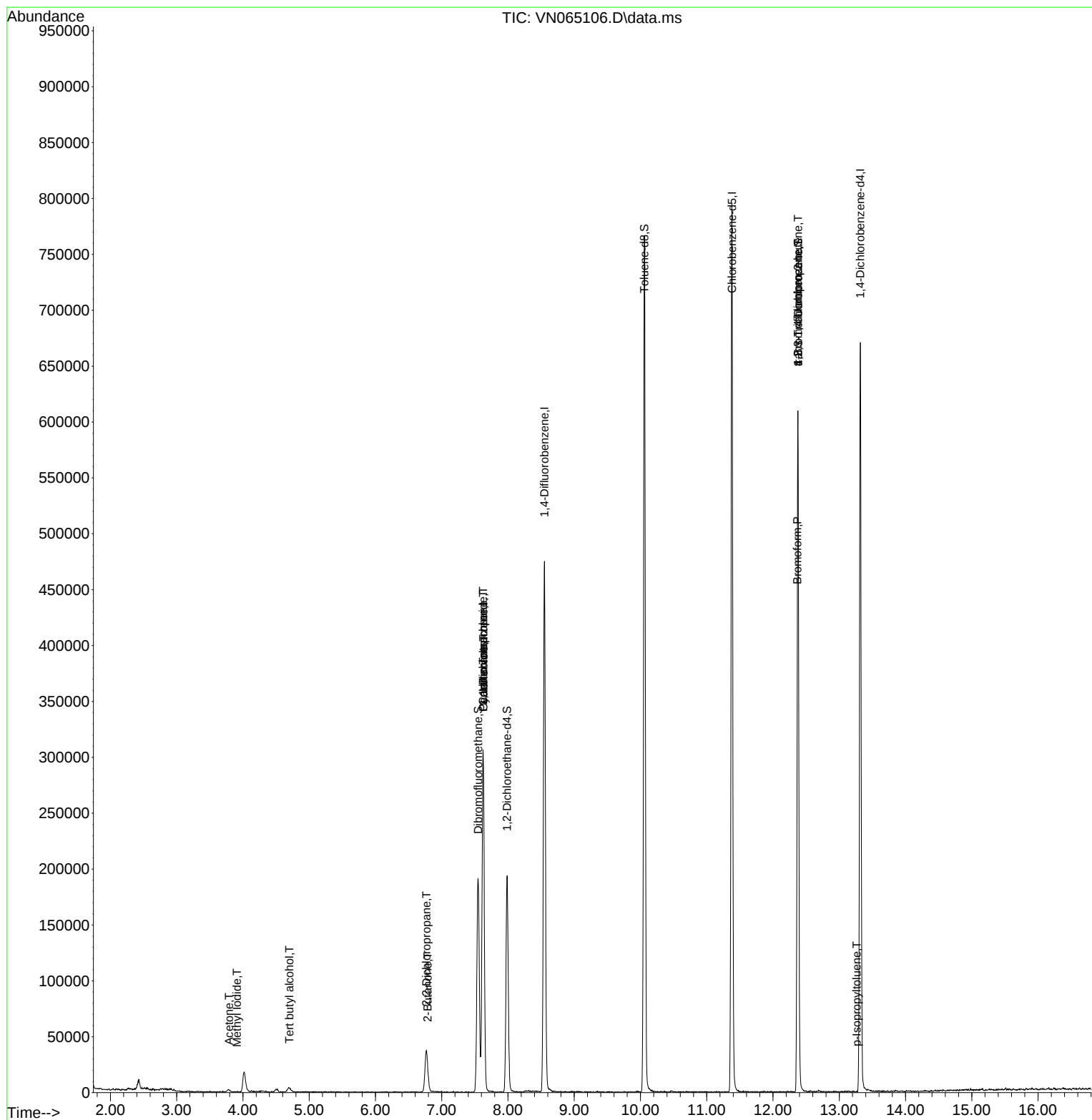
Target Compounds						Qvalue
3) Chloromethane	2.039	50	482	Below Cal	#	41
5) Bromomethane	2.537	94	69	Below Cal	#	3
10) Methyl Iodide	3.910	142	149	3.98	ug/l #	40
11) Tert butyl alcohol	4.701	59	3385	10.71	ug/l #	73
16) Acetone	3.788	43	4275	3.87	ug/l #	87
20) Methylene Chloride	4.505	84	157	Below Cal	#	55
25) 2-Butanone	6.788	43	1234	0.87	ug/l #	49
26) 2,2-Dichloropropane	6.769	77	2100	0.52	ug/l #	52
31) Cyclohexane	7.627	56	4698	1.17	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	17509	4.24	ug/l #	51
38) Carbon Tetrachloride	7.624	117	24898	5.23	ug/l #	17
71) Bromoform	12.367	173	702	0.24	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	102448	30.38	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	102448	84.53	ug/l #	15
86) p-Isopropyltoluene	13.264	119	117	1.07	ug/l #	51

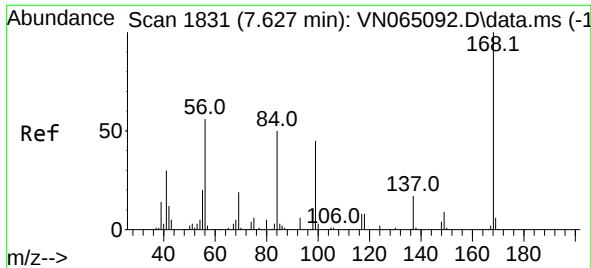
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
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QLast Update : Tue Dec 15 05:41:47 2020
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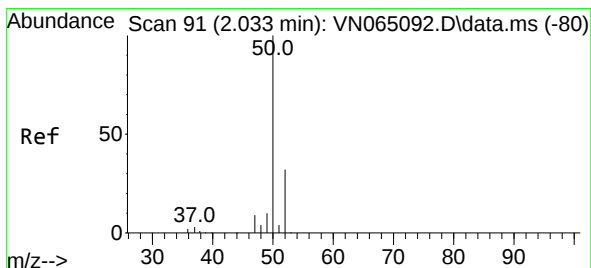
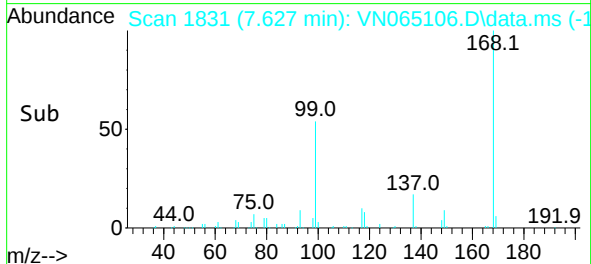
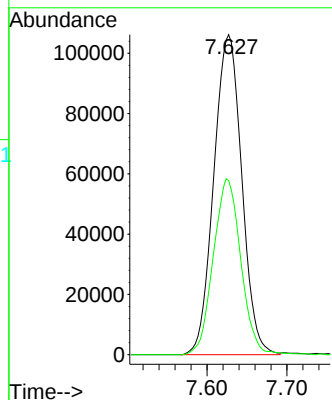
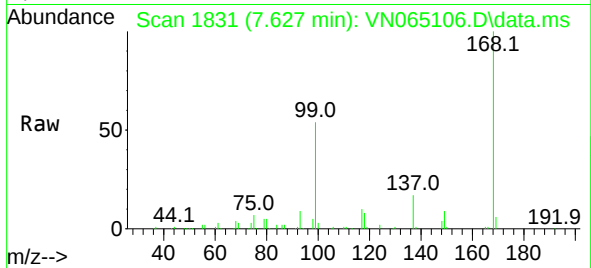




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

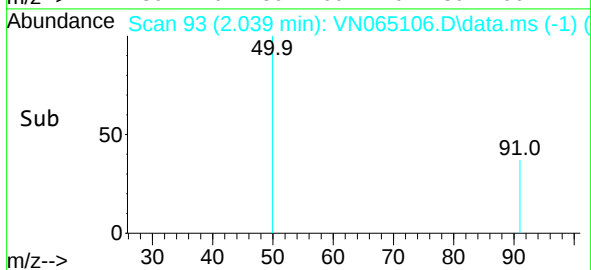
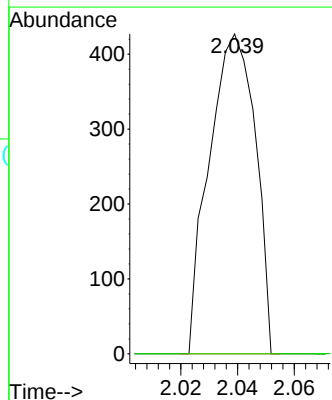
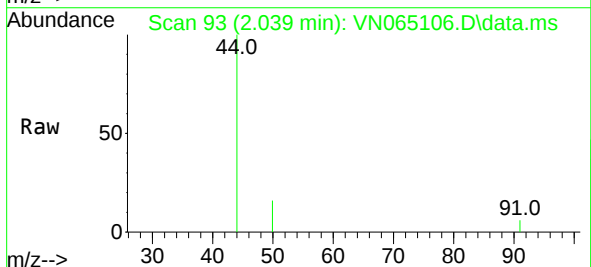
Instrument :
MSVOA_N
ClientSampled :

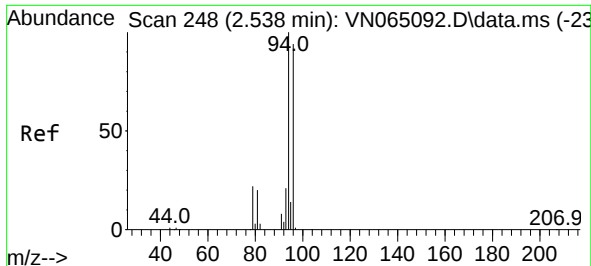
Tgt Ion:168 Resp: 257901
Ion Ratio Lower Upper
168 100
99 54.4 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.039 min Scan# 93
Delta R.T. 0.006 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 0.0 26.6 39.8#

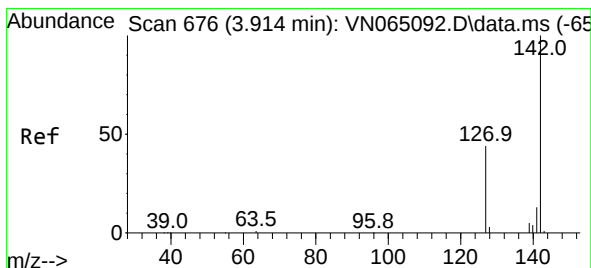
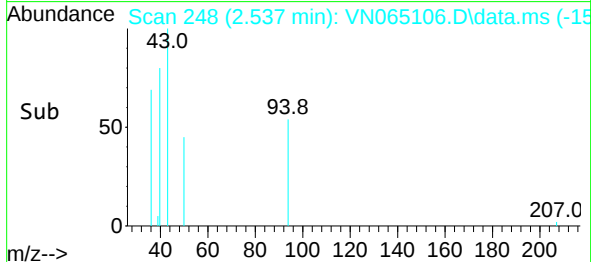
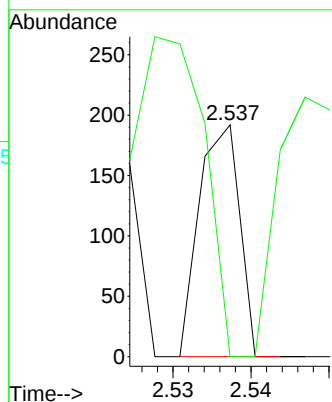
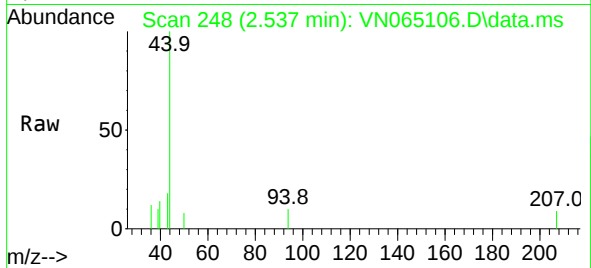




#5
Bromomethane
Concen: Below Cal
RT: 2.537 min Scan# 248
Delta R.T. -0.001 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

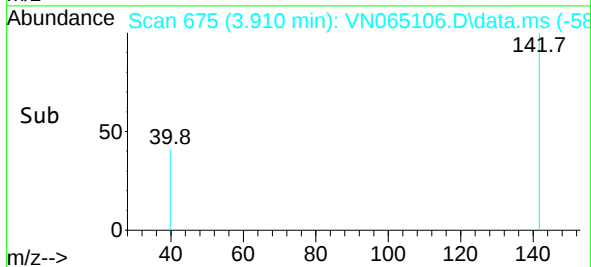
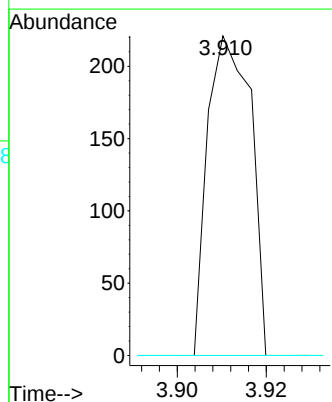
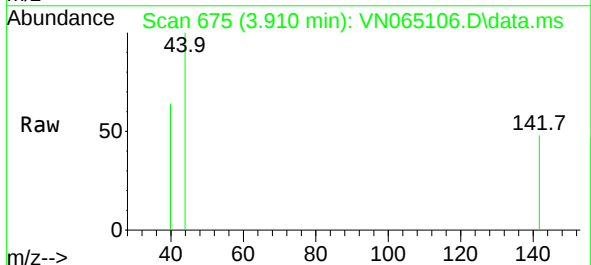
Instrument :
MSVOA_N
ClientSampled :

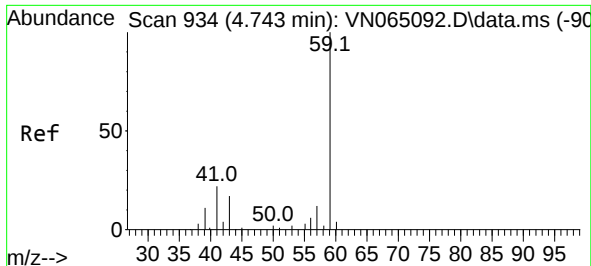
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#10
Methyl Iodide
Concen: 3.98 ug/l
RT: 3.910 min Scan# 675
Delta R.T. -0.004 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 142 Resp: 149
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.6#
141 0.0 11.8 17.6#

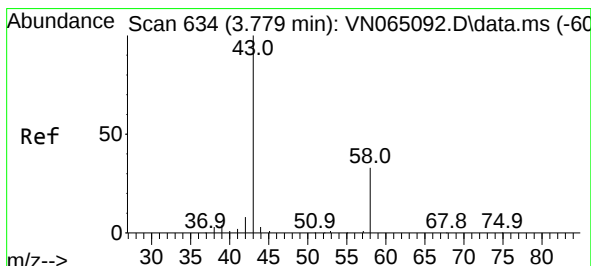
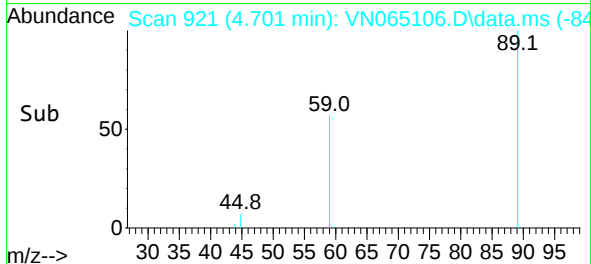
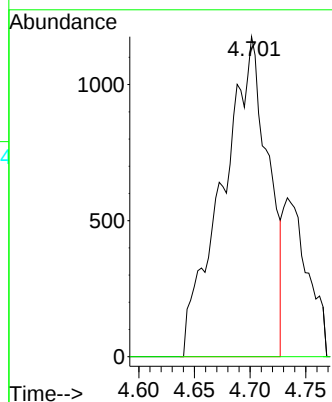
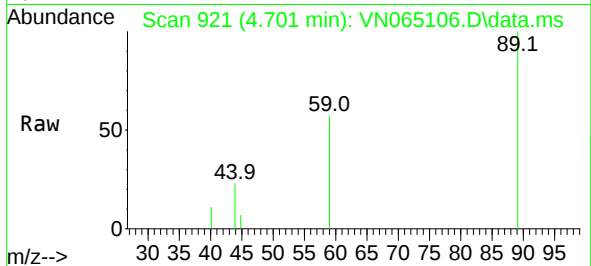




#11
Tert butyl alcohol
Concen: 10.71 ug/l
RT: 4.701 min Scan# 921
Delta R.T. -0.042 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

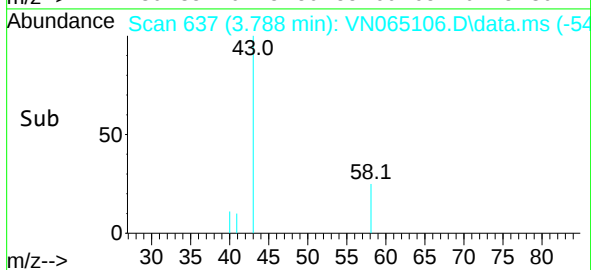
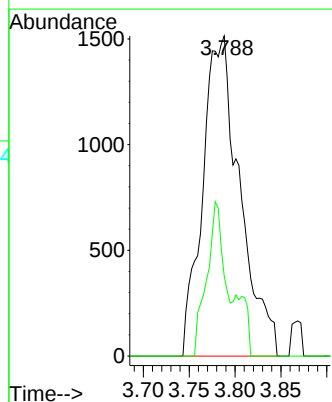
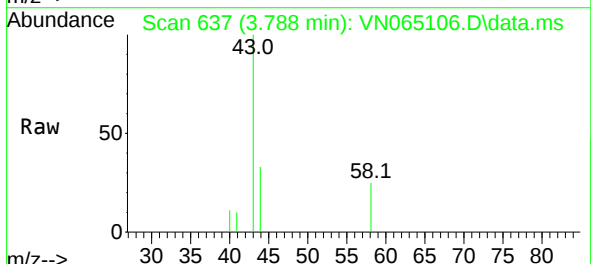
Instrument :
MSVOA_N
ClientSampled :

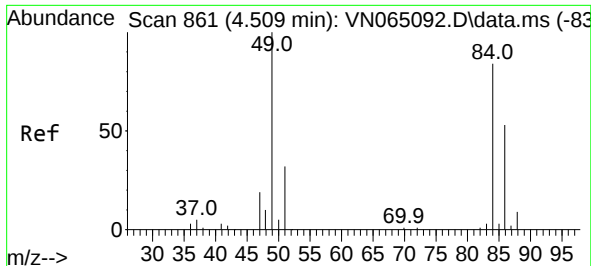
Tgt Ion: 59 Resp: 3385
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 3.87 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.009 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

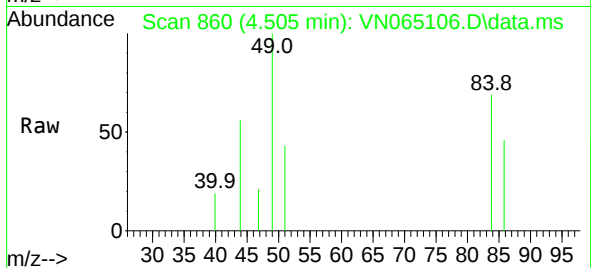
Tgt Ion: 43 Resp: 4275
Ion Ratio Lower Upper
43 100
58 25.0 25.7 38.5#





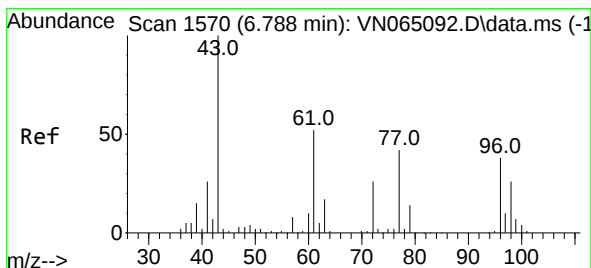
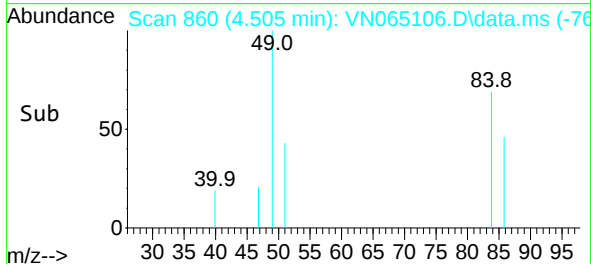
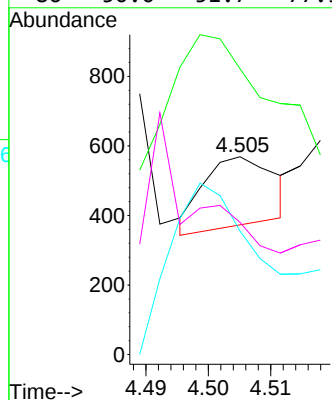
#20
Methylene Chloride
Concen: Below Cal
RT: 4.505 min Scan# 860
Delta R.T. -0.004 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 157

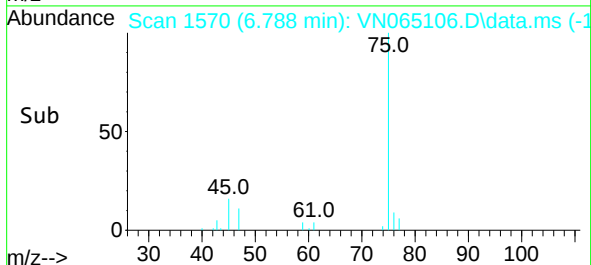
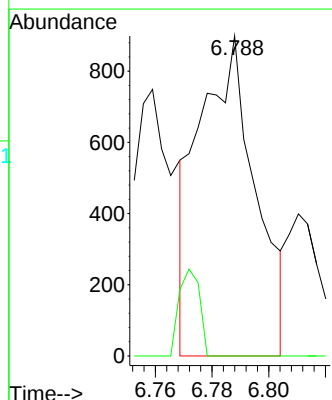
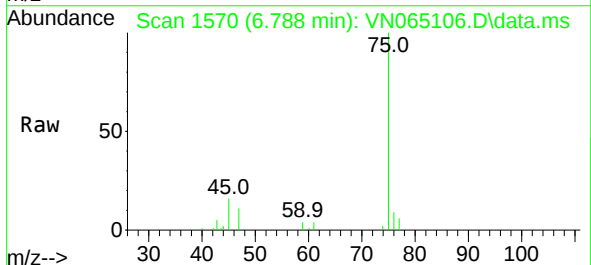
Ion	Ratio	Lower	Upper
84	100		
49	56.8	93.4	140.0#
51	70.5	28.2	42.4#
86	50.0	51.7	77.5#

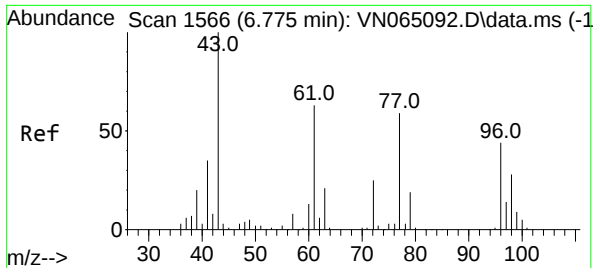


#25
2-Butanone
Concen: 0.87 ug/l
RT: 6.788 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 43 Resp: 1234

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#

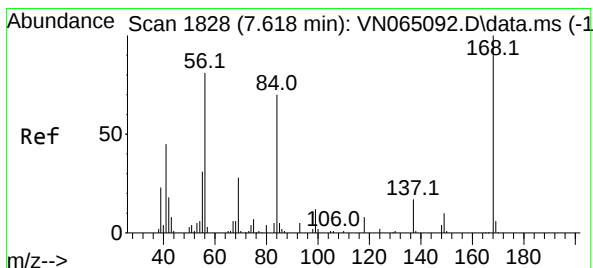
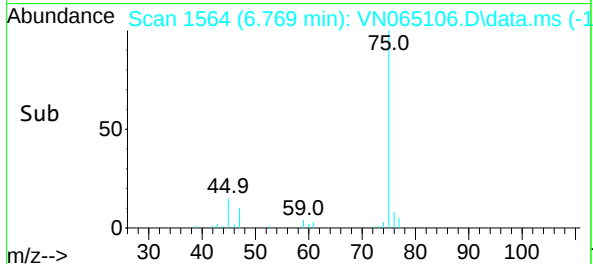
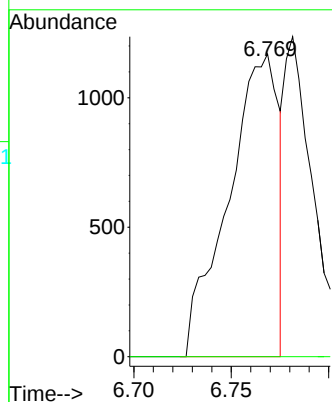
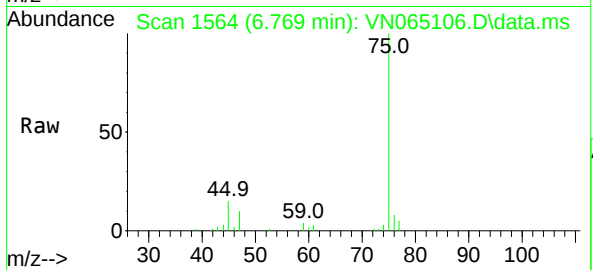




#26
2,2-Dichloropropane
Concen: 0.52 ug/l
RT: 6.769 min Scan# 1564
Delta R.T. -0.006 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

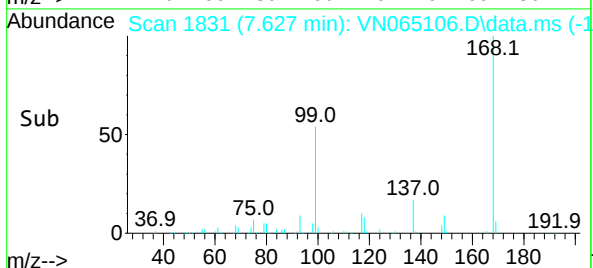
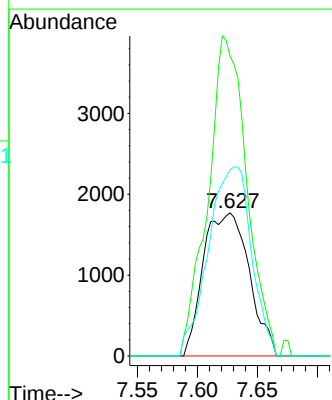
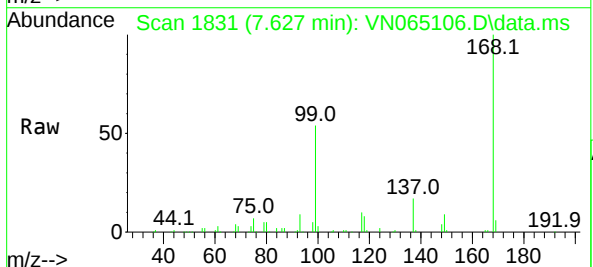
Instrument :
MSVOA_N
ClientSampled :

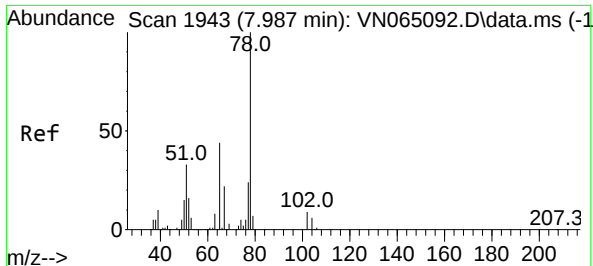
Tgt Ion: 77 Resp: 2100
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.009 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

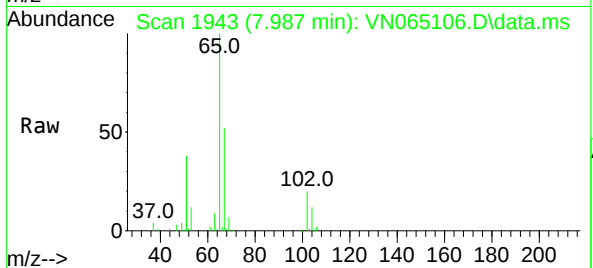
Tgt Ion: 56 Resp: 4698
Ion Ratio Lower Upper
56 100
69 209.4 27.5 41.3#
84 130.2 73.9 110.9#



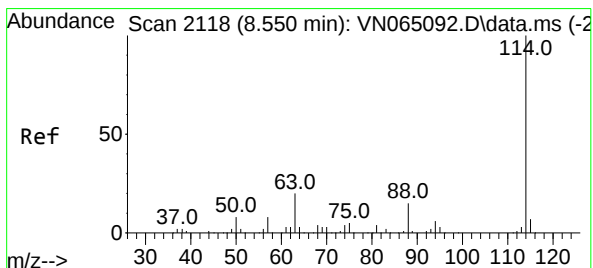
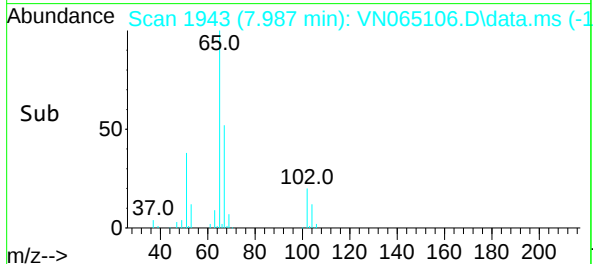
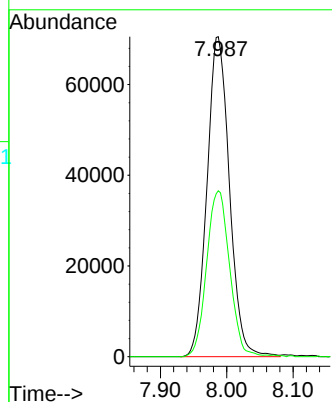


#33
1,2-Dichloroethane-d4
Concen: 55.97 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Instrument :
MSVOA_N
ClientSampleId :

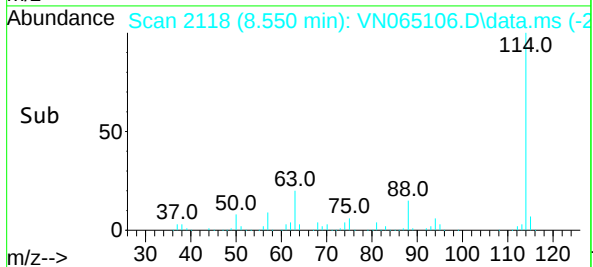
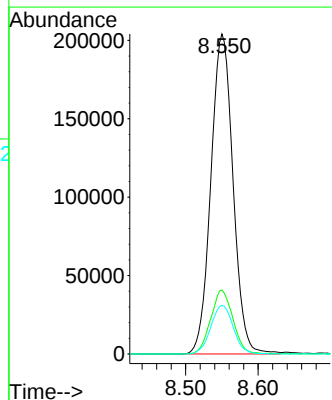
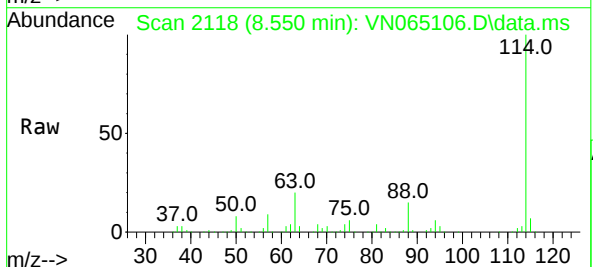


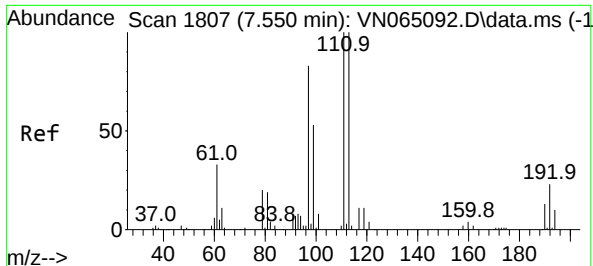
Tgt Ion: 65 Resp: 165959
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 114 Resp: 432436
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.6
88 15.2 0.0 32.6

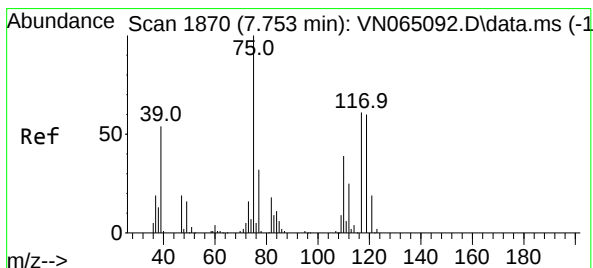
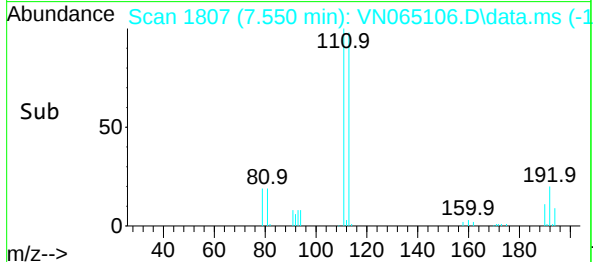
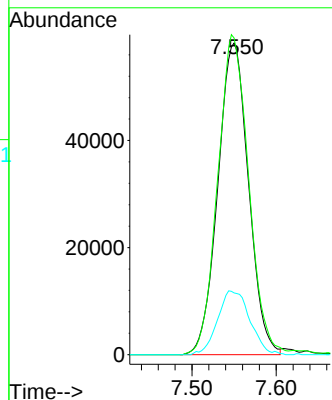
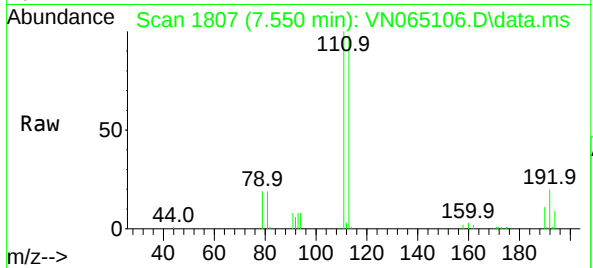




#35
Dibromofluoromethane
Concen: 48.85 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

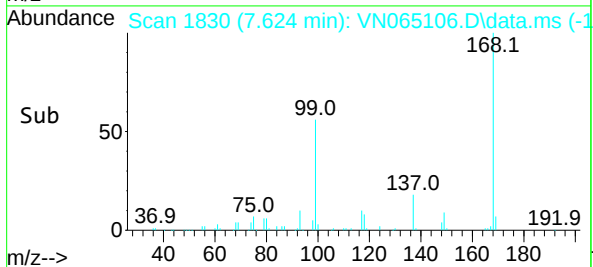
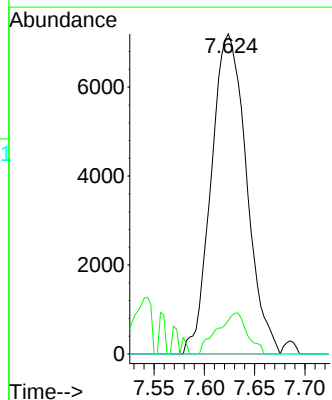
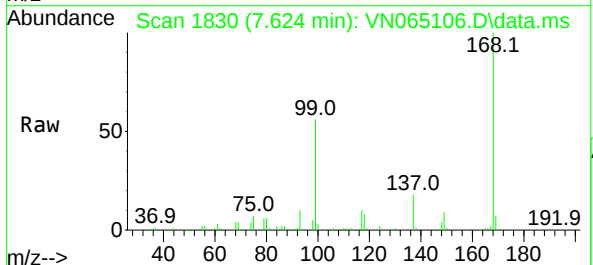
Instrument :
MSVOA_N
ClientSampled :

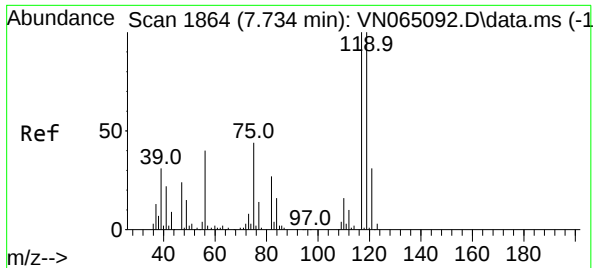
Tgt Ion:113 Resp: 146847
Ion Ratio Lower Upper
113 100
111 103.4 81.6 122.4
192 21.6 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

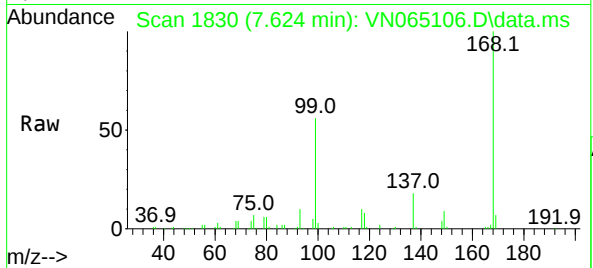
Tgt Ion: 75 Resp: 17509
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.3#
77 0.0 25.0 37.4#



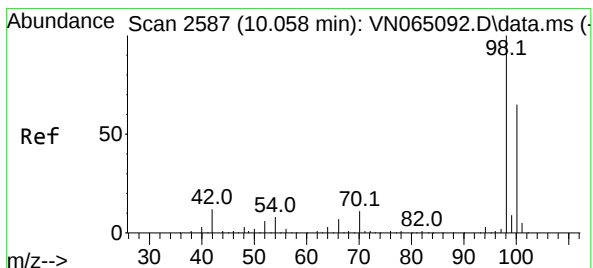
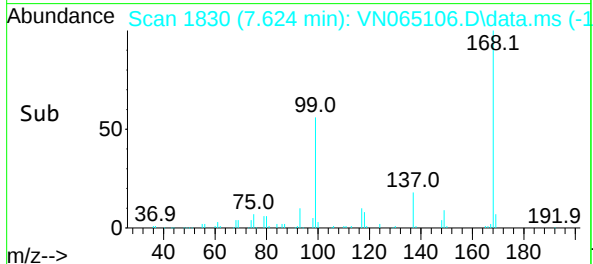
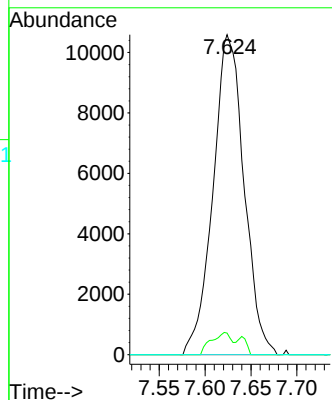


#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Instrument :
MSVOA_N
ClientSampled :

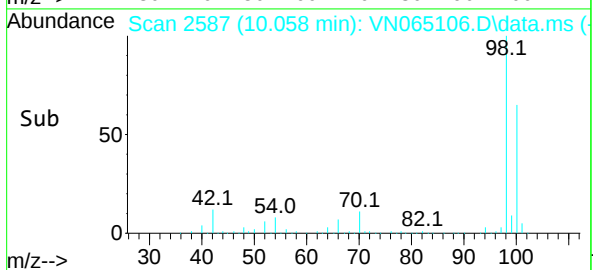
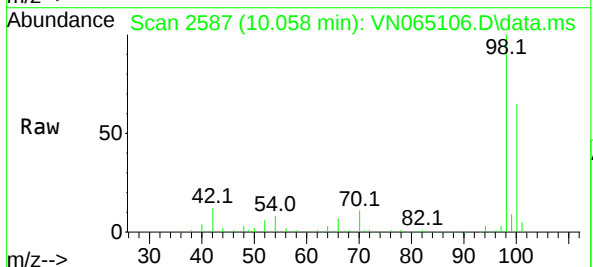
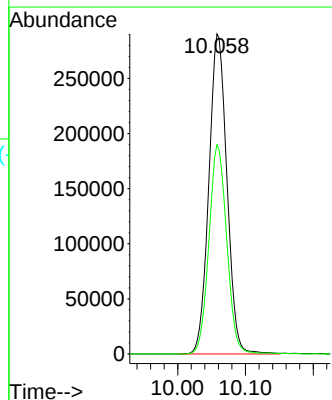


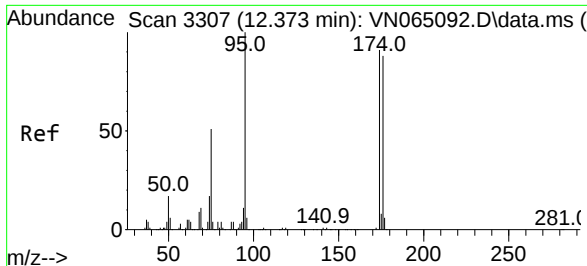
Tgt Ion:117 Resp: 24898
Ion Ratio Lower Upper
117 100
119 6.7 76.7 115.1#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 50.50 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 98 Resp: 536742
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5

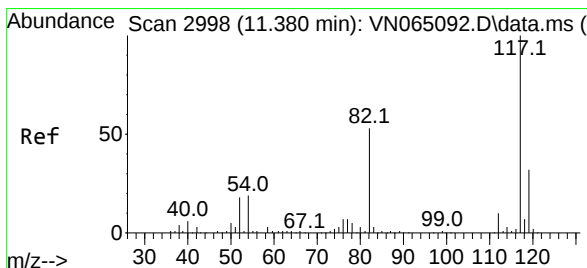
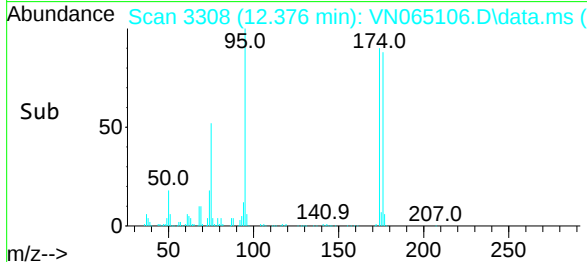
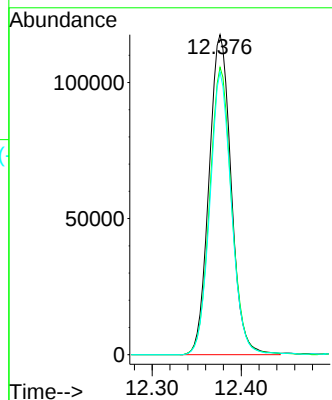
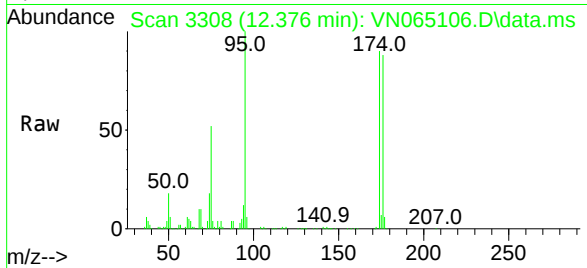




#62
4-Bromofluorobenzene
Concen: 55.44 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

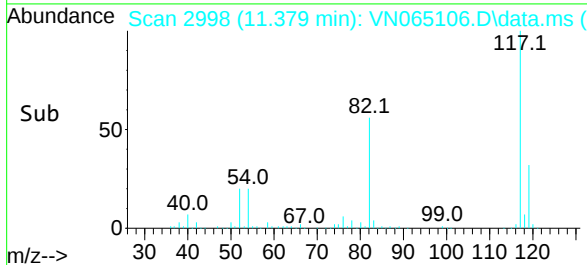
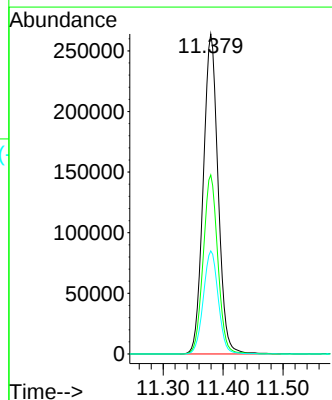
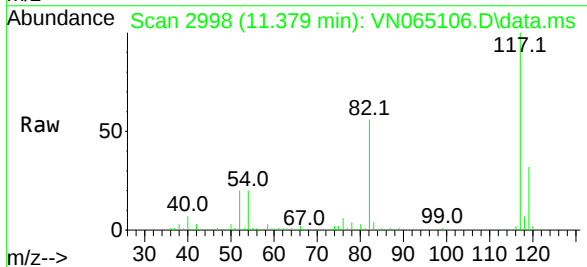
Instrument :
MSVOA_N
ClientSampled :

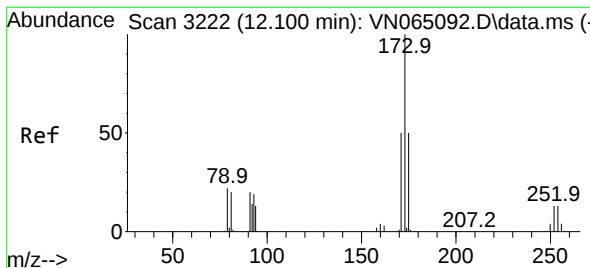
Tgt Ion: 95 Resp: 202948
Ion Ratio Lower Upper
95 100
174 89.1 0.0 160.4
176 85.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

Tgt Ion: 117 Resp: 454681
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.2 25.8 38.6





#71

Bromoform

Concen: 0.24 ug/l

RT: 12.367 min Scan# 3305

Delta R.T. 0.267 min

Lab File: VN065106.D

Acq: 14 Dec 2020 17:29

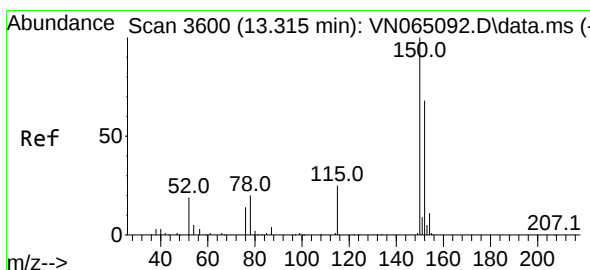
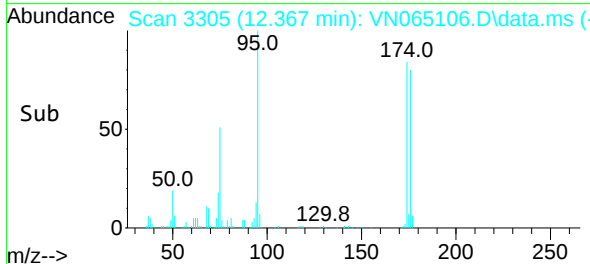
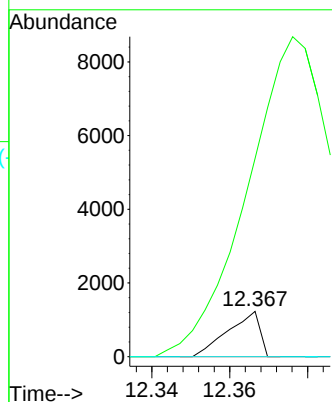
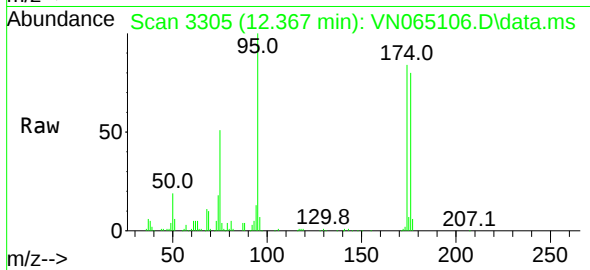
Tgt Ion:173 Resp: 702

Ion Ratio Lower Upper

173 100

175 1678.5 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

Delta R.T. 0.003 min

Lab File: VN065106.D

Acq: 14 Dec 2020 17:29

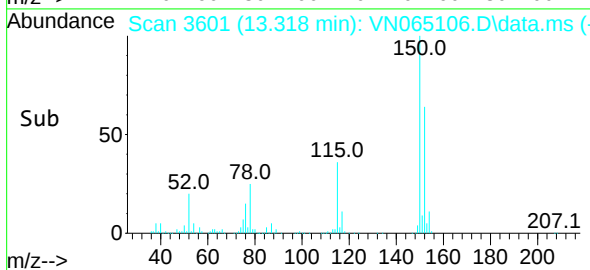
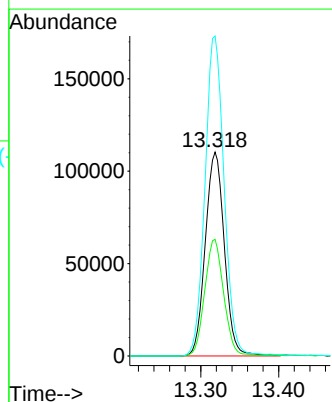
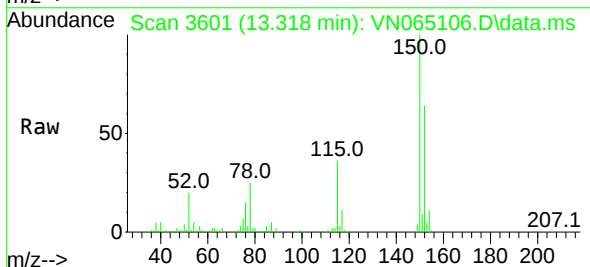
Tgt Ion:152 Resp: 187938

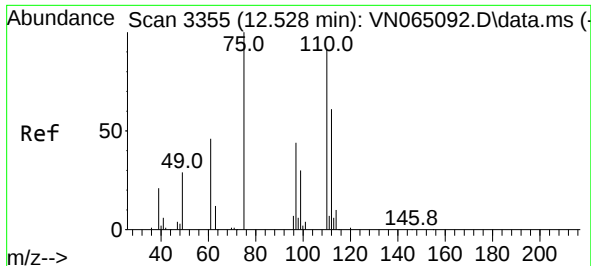
Ion Ratio Lower Upper

152 100

115 56.8 29.7 89.1

150 156.8 0.0 350.6

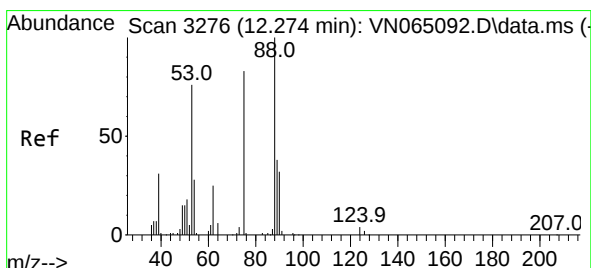
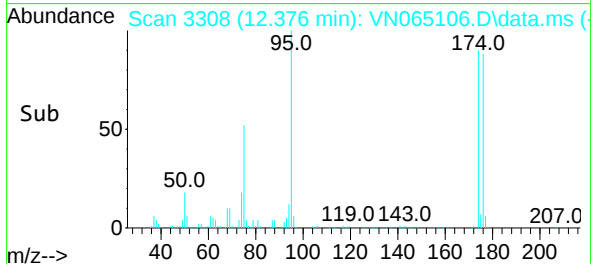
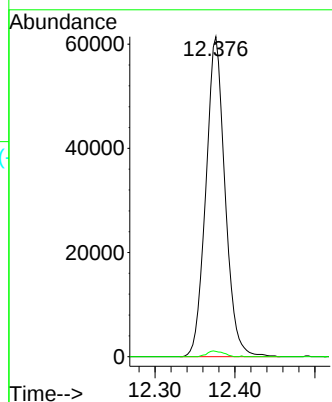
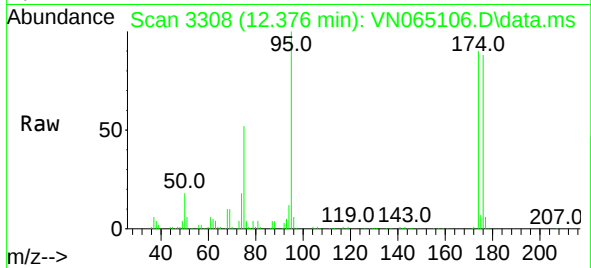




#76
1,2,3-Trichloropropane
Concen: 30.38 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

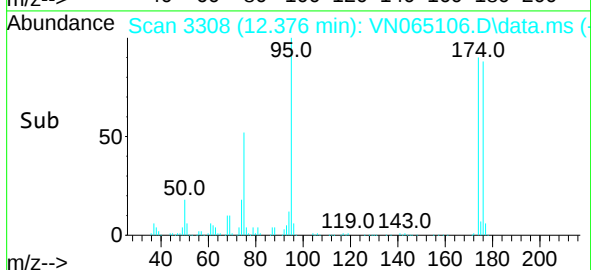
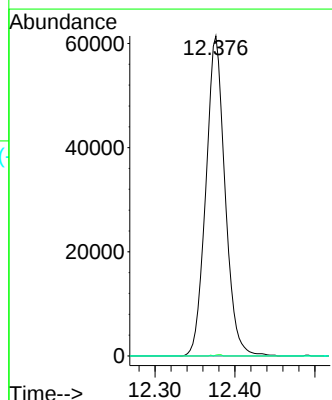
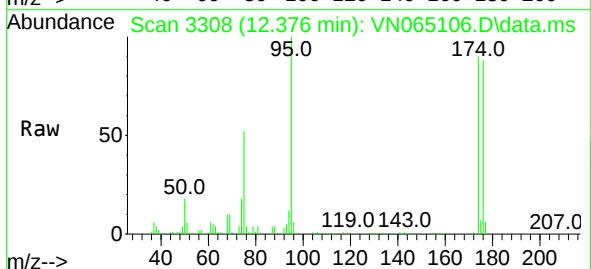
Instrument :
MSVOA_N
ClientSampled :

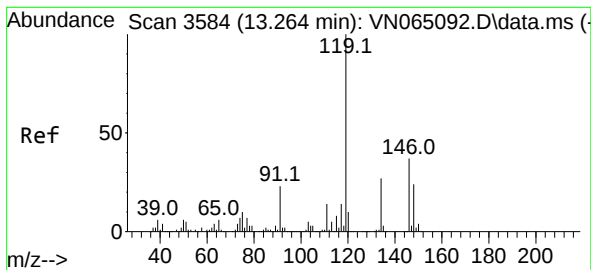
Tgt Ion: 75 Resp: 102448
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.53 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065106.D
Acq: 14 Dec 2020 17:29

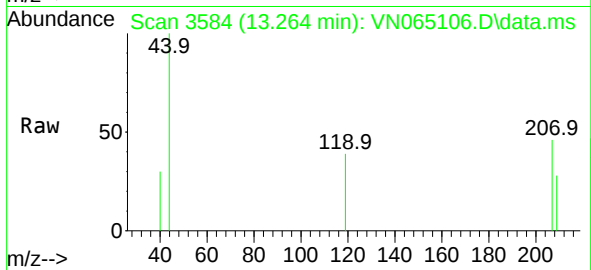
Tgt Ion: 75 Resp: 102448
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.4#
89 0.0 39.6 59.4#





#86
 p-Isopropyltoluene
 Concen: 1.07 ug/l
 RT: 13.264 min Scan# 3584
 Delta R.T. -0.000 min
 Lab File: VN065106.D
 Acq: 14 Dec 2020 17:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:119	Resp:	117
Ion	Ratio	Lower Upper
119	100	
134	0.0	13.1 39.1#
91	0.0	11.5 34.5#

