

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065131.D
 Acq On : 15 Dec 2020 4:08
 Operator : JC/MD
 Sample : L5053-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

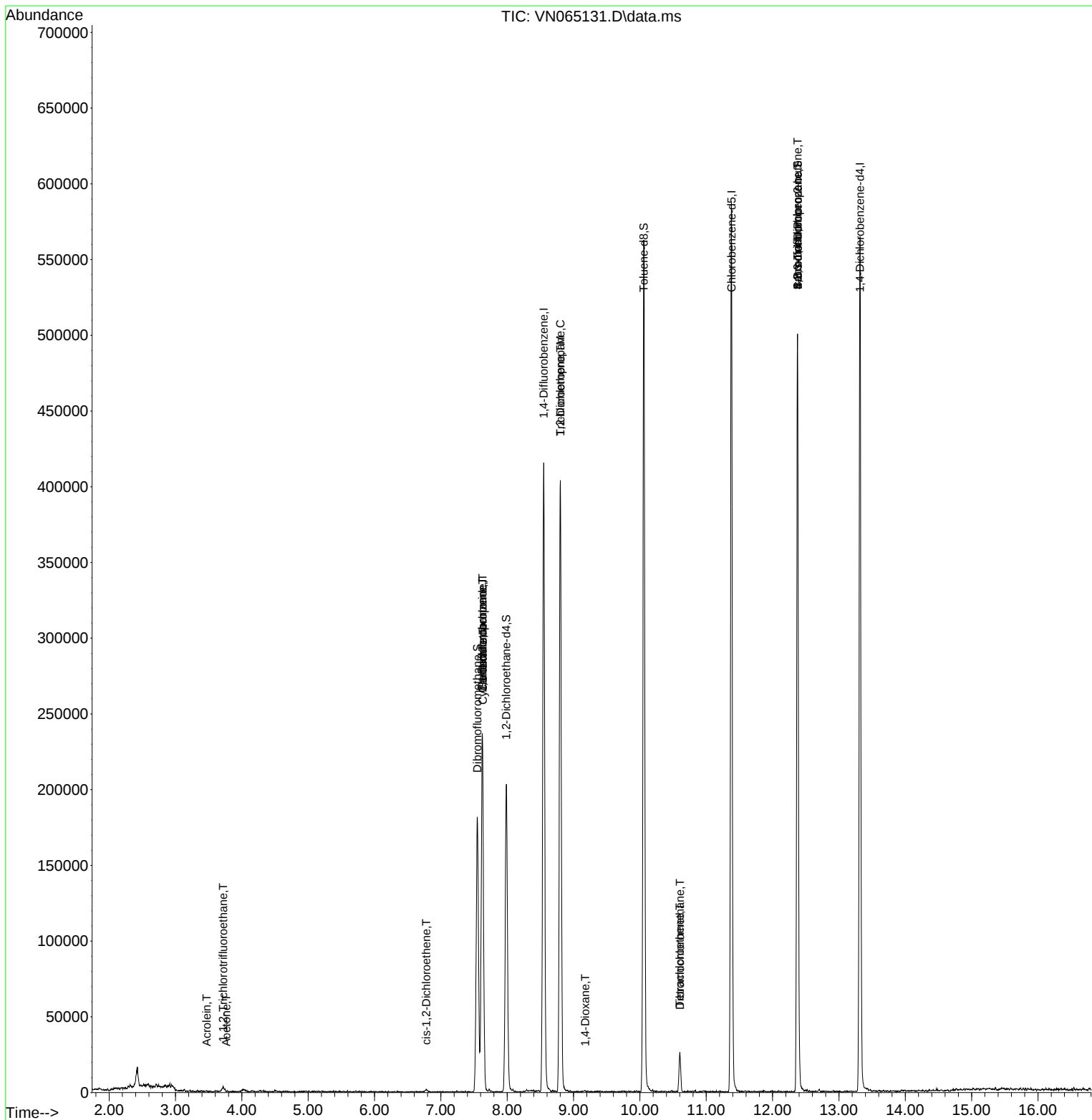
Quant Time: Dec 15 06:46:17 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

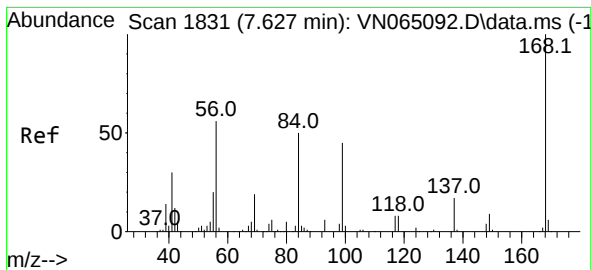
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.624	168	171984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	335995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.379	117	292327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	145957	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	176353	89.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 178.38%#			
35) Dibromofluoromethane	7.550	113	124961	53.50	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.00%			
50) Toluene-d8	10.058	98	363192	43.98	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 87.96%			
62) 4-Bromofluorobenzene	12.376	95	162328	57.07	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.14%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.036	50	112	Below Cal	#	7
5) Bromomethane	2.537	94	207	Below Cal		87
9) 1,1,2-Trichlorotrifluo...	3.717	101	2142	1.26 ug/l	#	42
13) Acrolein	3.470	56	64	0.67 ug/l	#	14
16) Acetone	3.766	43	225	0.31 ug/l	#	43
20) Methylene Chloride	4.492	84	277	Below Cal	#	41
27) cis-1,2-Dichloroethene	6.782	96	500	0.27 ug/l	#	13
31) Cyclohexane	7.630	56	4936	1.84 ug/l	#	27
36) 1,1-Dichloropropene	7.627	75	16679	5.20 ug/l	#	49
38) Carbon Tetrachloride	7.627	117	19071	5.15 ug/l	#	17
44) Trichloroethene	8.801	130	139410	50.07 ug/l		96
45) 1,2-Dichloropropane	8.801	63	531	0.21 ug/l	#	1
49) 1,4-Dioxane	9.177	88	324	10.06 ug/l	#	43
60) Dibromochloromethane	10.605	129	4370	1.58 ug/l	#	10
64) Tetrachloroethene	10.601	164	5599	1.93 ug/l		86
71) Bromoform	12.376	173	920	0.49 ug/l	#	1
76) 1,2,3-Trichloropropane	12.376	75	93456	35.68 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.376	75	93456	99.29 ug/l	#	15

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

Quant Time: Dec 15 06:46:17 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

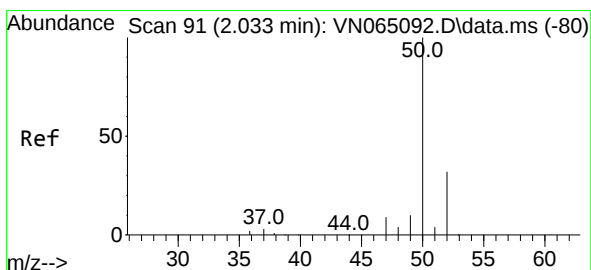
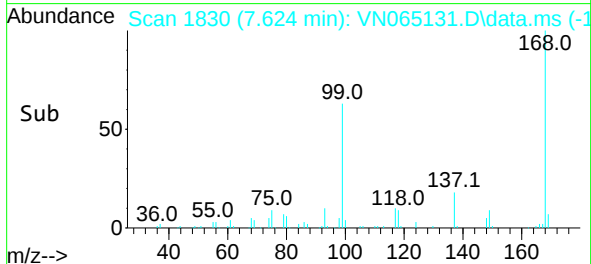
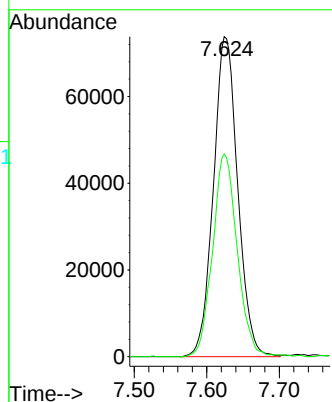
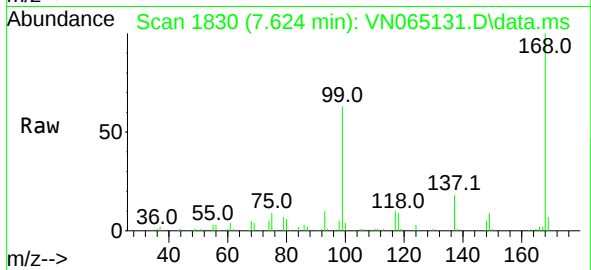




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.003 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

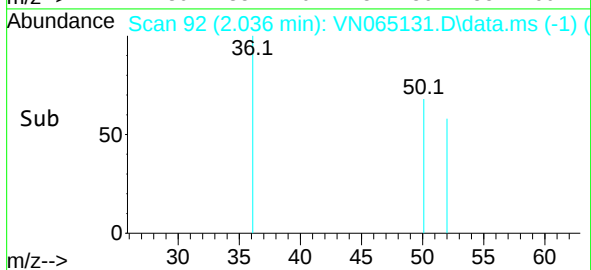
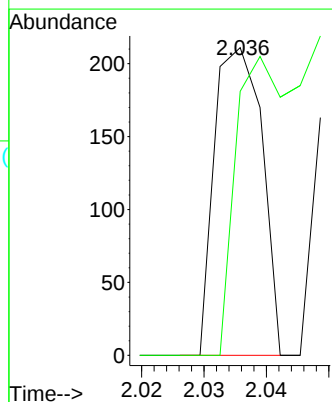
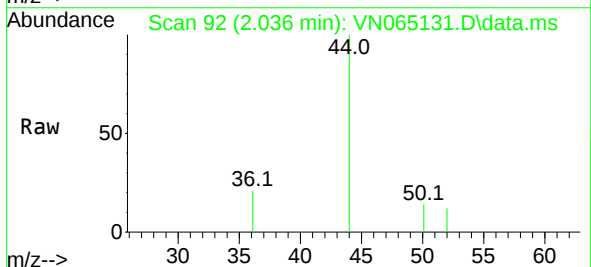
Instrument :
MSVOA_N
ClientSampleId :

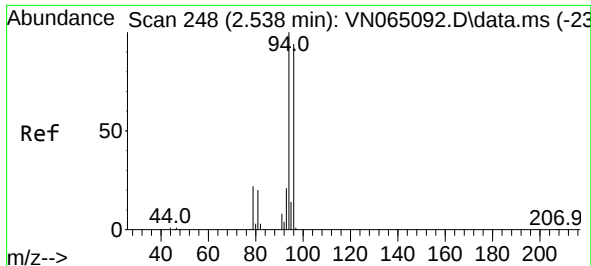
Tgt Ion:168 Resp: 171984
Ion Ratio Lower Upper
168 100
99 63.3 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.036 min Scan# 92
Delta R.T. 0.003 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

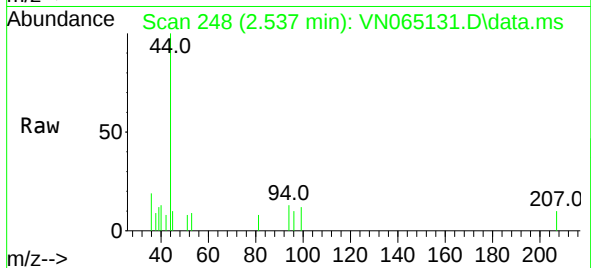
Tgt Ion: 50 Resp: 112
Ion Ratio Lower Upper
50 100
52 85.8 26.6 39.8#



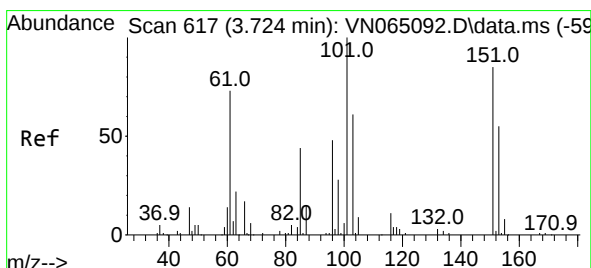
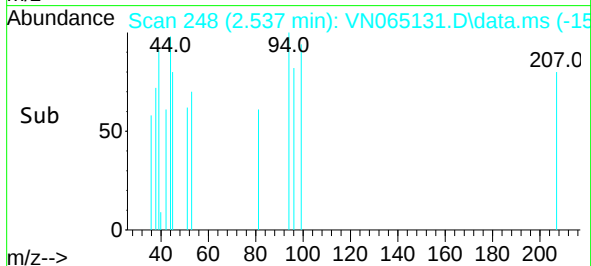
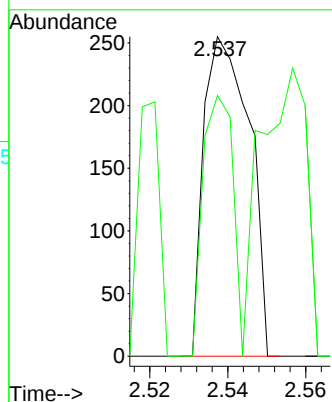


#5
Bromomethane
Concen: Below Cal
RT: 2.537 min Scan# 248
Delta R.T. -0.001 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Instrument :
MSVOA_N
ClientSampled :

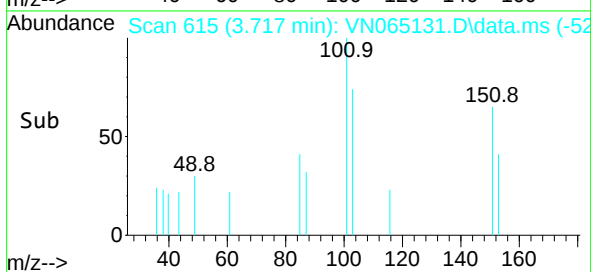
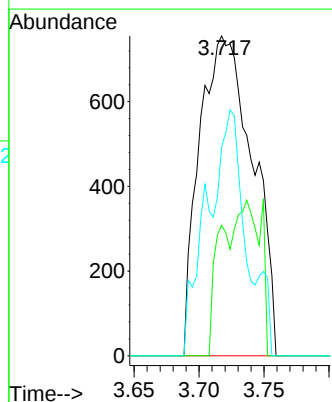
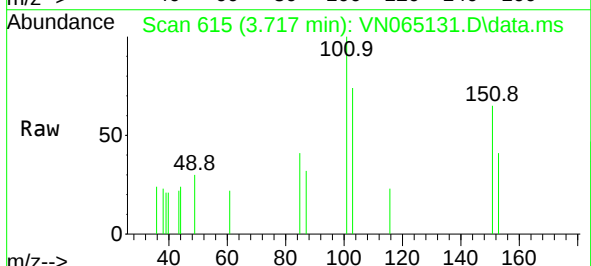


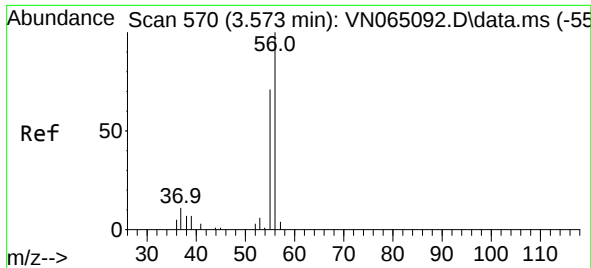
Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 81.6 75.4 113.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.26 ug/l
RT: 3.717 min Scan# 615
Delta R.T. -0.007 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 101 Resp: 2142
Ion Ratio Lower Upper
101 100
85 12.2 34.4 51.6#
151 23.9 64.0 96.0#

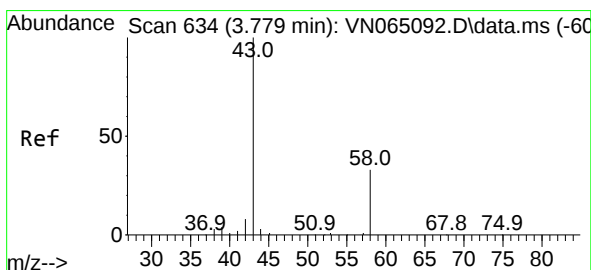
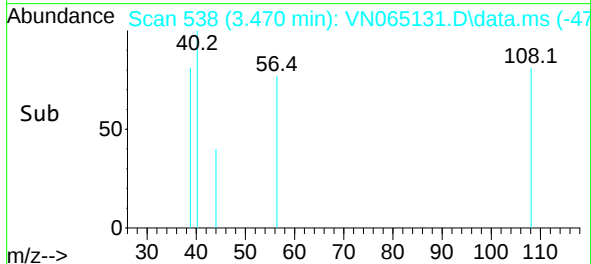
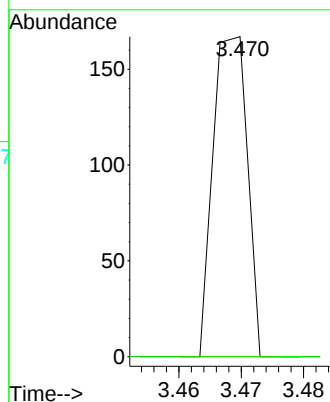
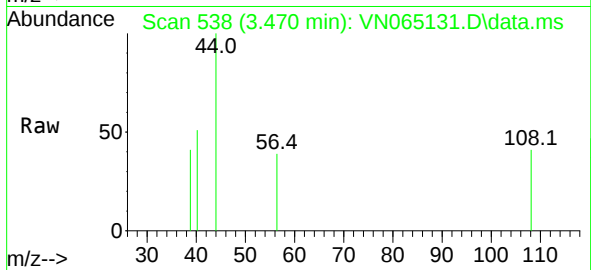




#13
Acrolein
Concen: 0.67 ug/l
RT: 3.470 min Scan# 538
Delta R.T. -0.103 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

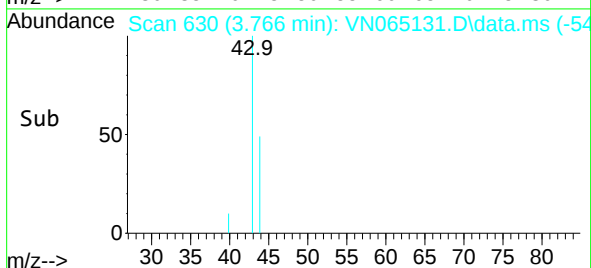
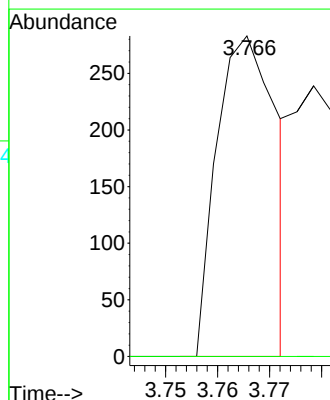
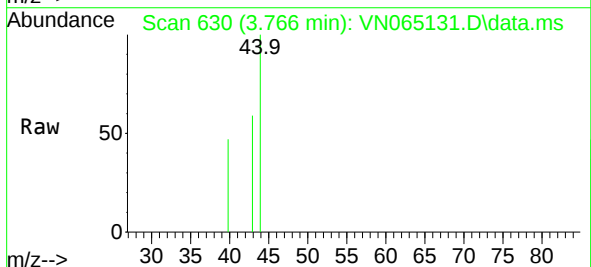
Instrument :
MSVOA_N
ClientSampled :

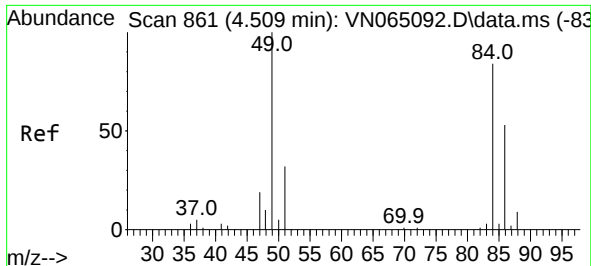
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#16
Acetone
Concen: 0.31 ug/l
RT: 3.766 min Scan# 630
Delta R.T. -0.013 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

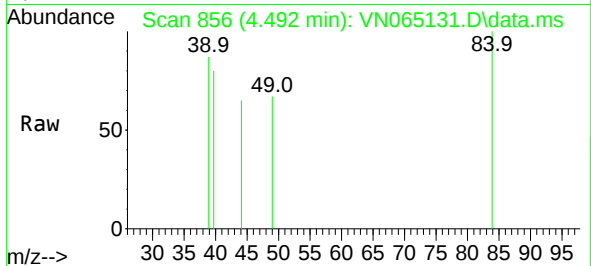
Tgt Ion: 43 Resp: 225
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#





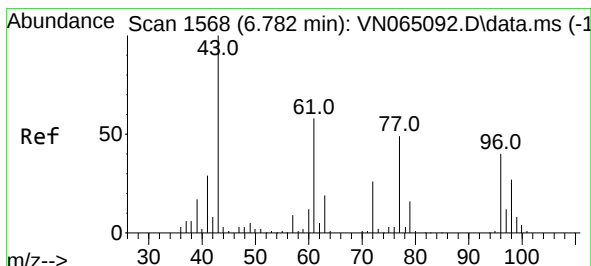
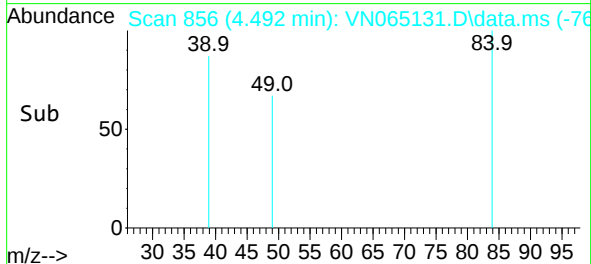
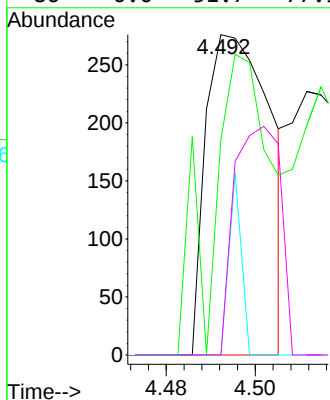
#20
Methylene Chloride
Concen: Below Cal
RT: 4.492 min Scan# 856
Delta R.T. -0.017 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 277

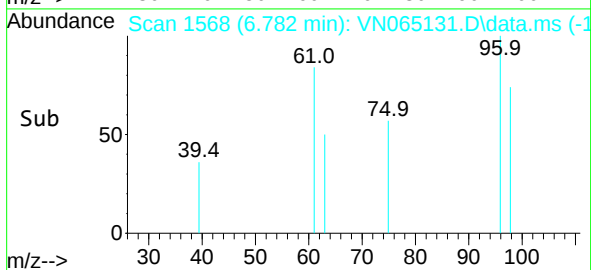
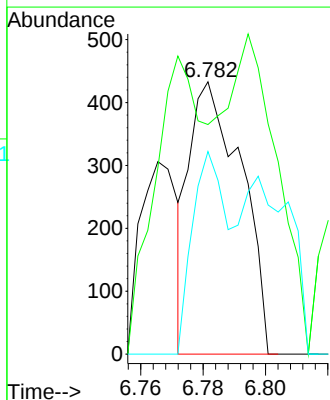
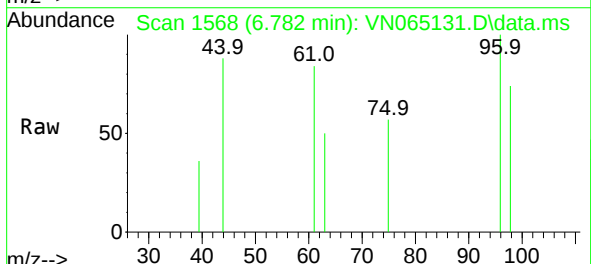
Ion	Ratio	Lower	Upper
84	100		
49	67.4	93.4	140.0#
51	0.0	28.2	42.4#
86	0.0	51.7	77.5#

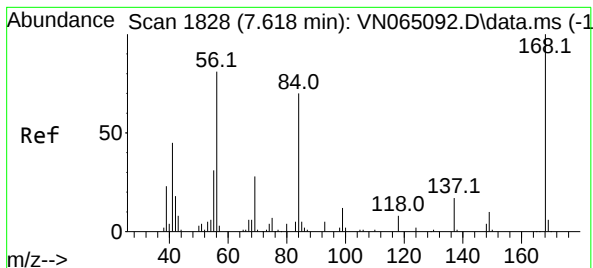


#27
cis-1,2-Dichloroethene
Concen: 0.27 ug/l
RT: 6.782 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 96 Resp: 500

Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	285.8
98	47.0	0.0	130.6

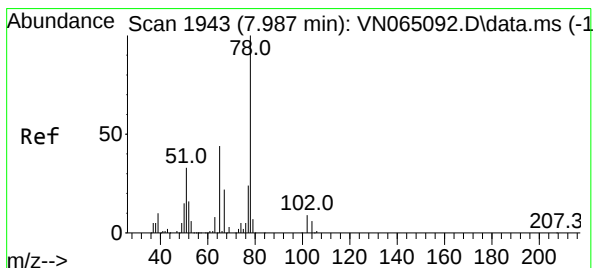
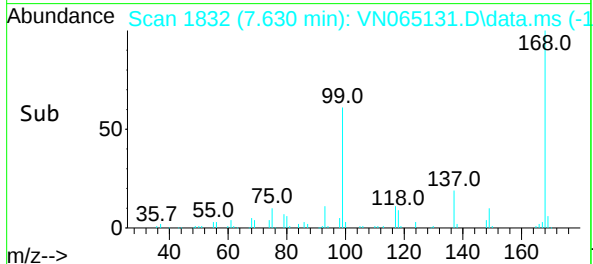
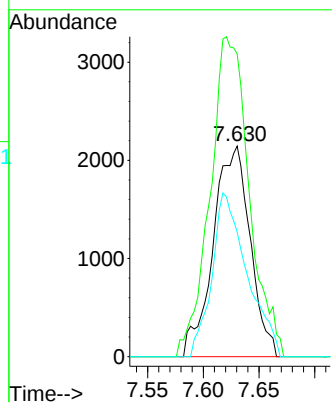
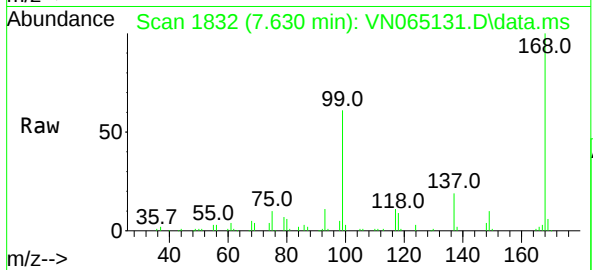




#31
Cyclohexane
Concen: 1.84 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.012 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

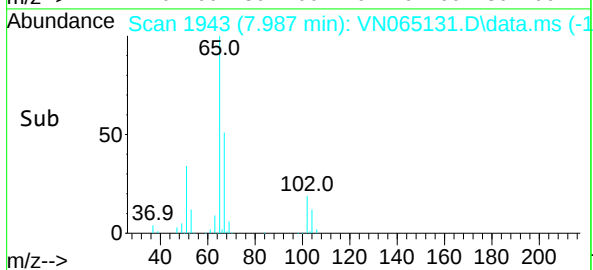
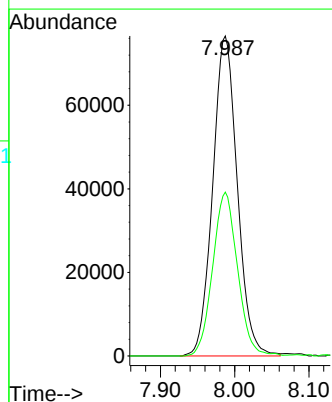
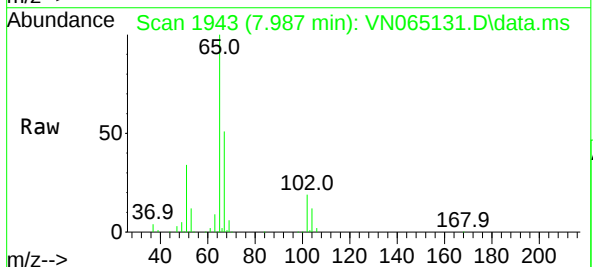
Instrument :
MSVOA_N
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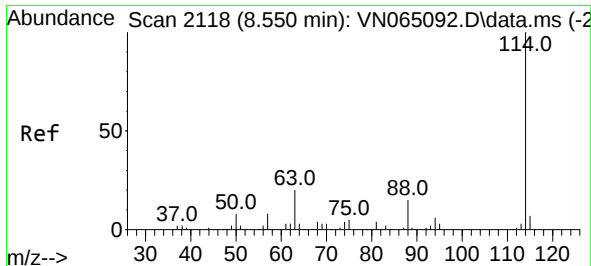
Tgt Ion: 56 Resp: 4936
Ion Ratio Lower Upper
56 100
69 135.8 27.5 41.3#
84 59.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 89.19 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 65 Resp: 176353
Ion Ratio Lower Upper
65 100
67 51.8 0.0 108.2

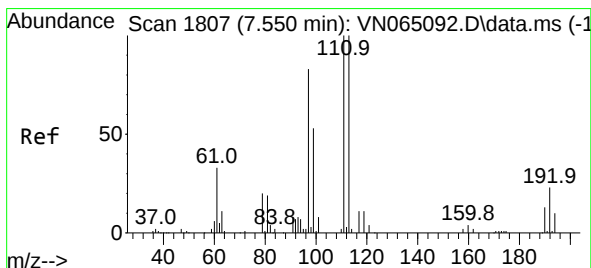
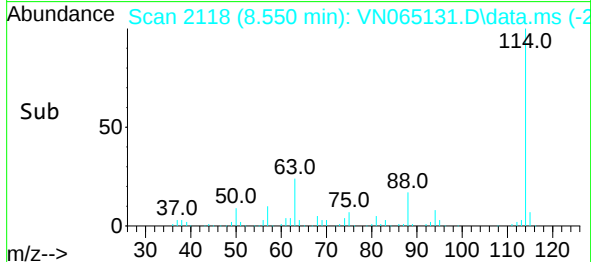
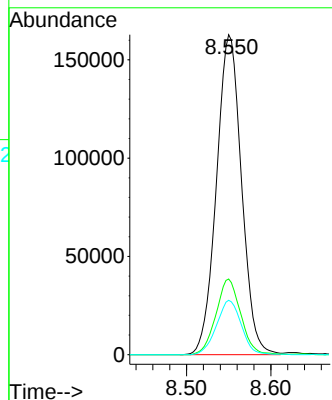
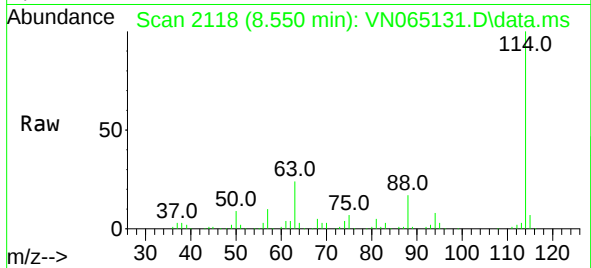




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. -0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

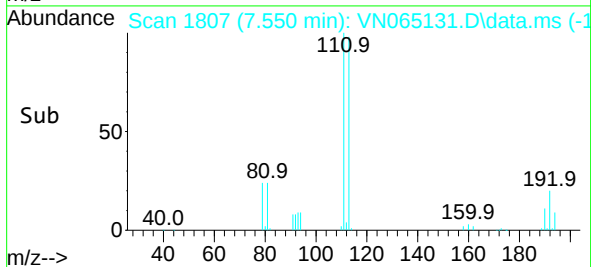
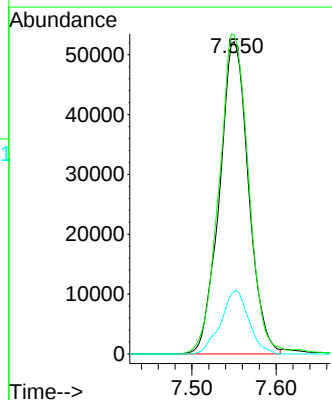
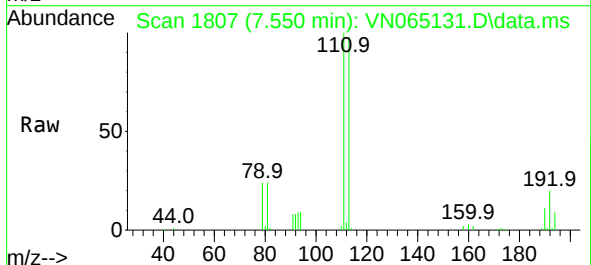
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MSVOA_N
ClientSampled :

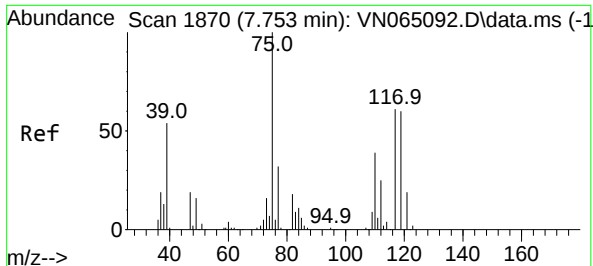
Tgt Ion:114 Resp: 335995
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.6
88 17.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.50 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion:113 Resp: 124961
Ion Ratio Lower Upper
113 100
111 104.5 81.6 122.4
192 19.5 16.2 24.2

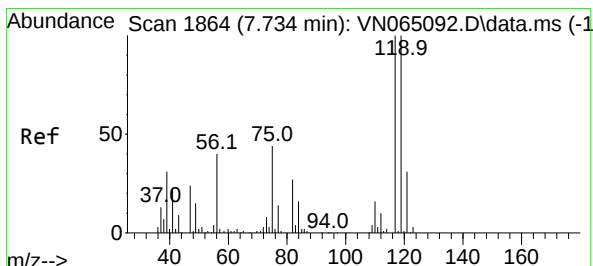
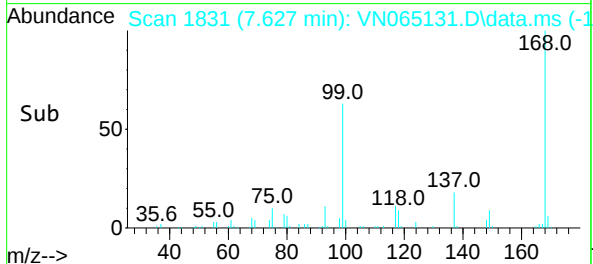
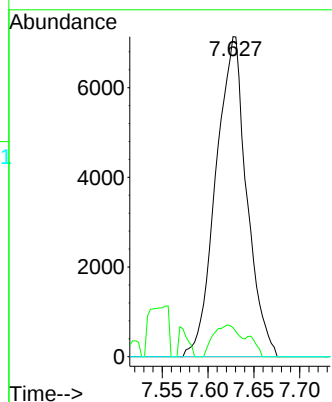
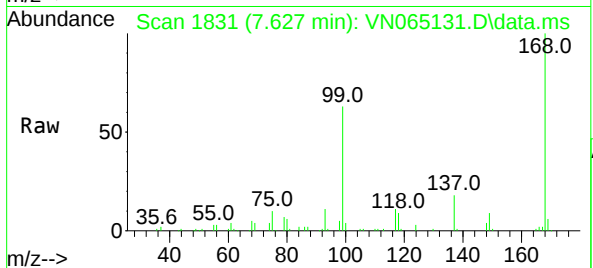




#36
1,1-Dichloropropene
Concen: 5.20 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

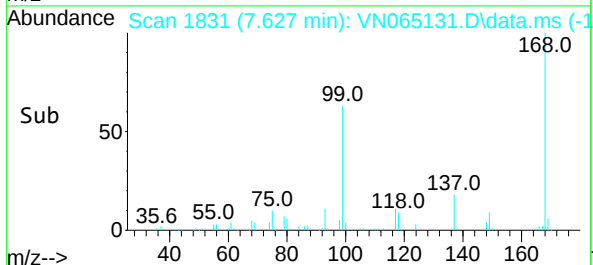
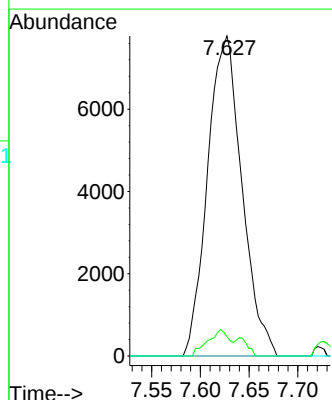
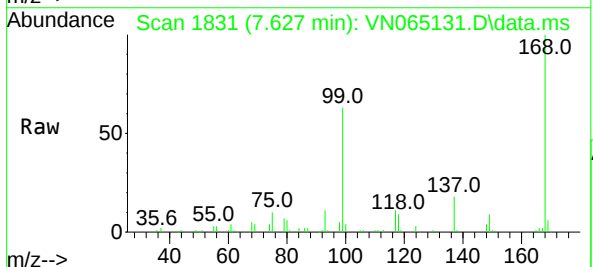
Instrument :
MSVOA_N
ClientSampled :

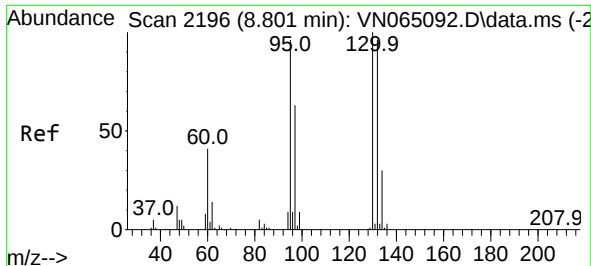
Tgt Ion: 75 Resp: 16679
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.15 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.107 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 117 Resp: 19071
Ion Ratio Lower Upper
117 100
119 6.1 76.7 115.1#
121 0.0 25.4 38.2#

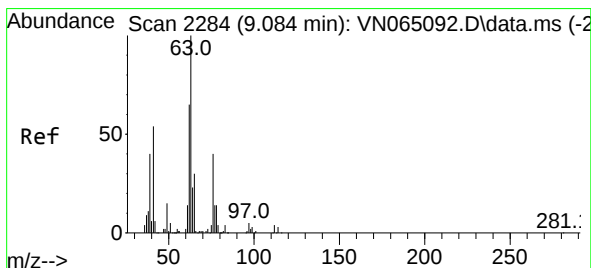
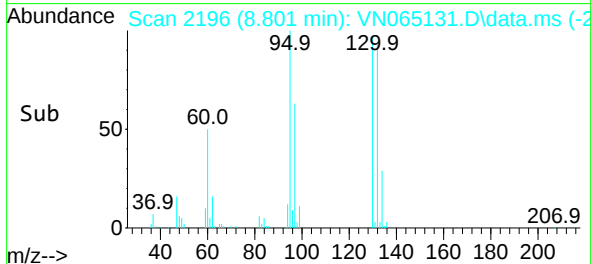
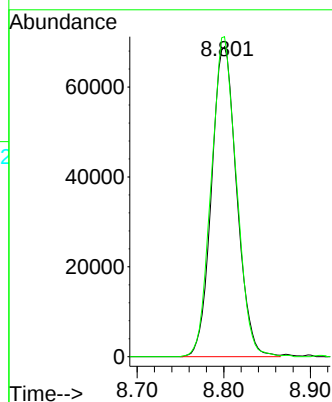
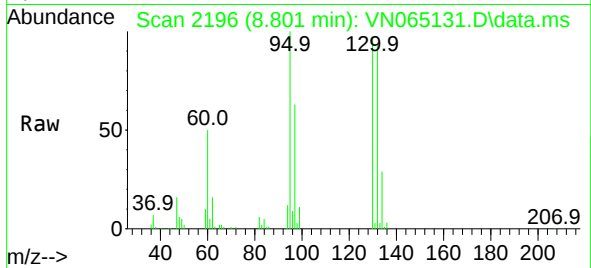




#44
Trichloroethene
Concen: 50.07 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

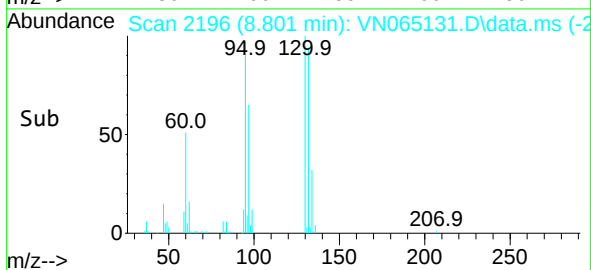
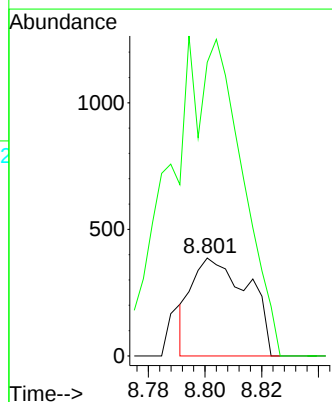
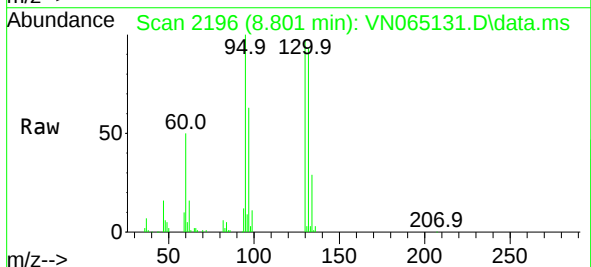
Instrument :
MSVOA_N
ClientSampled :

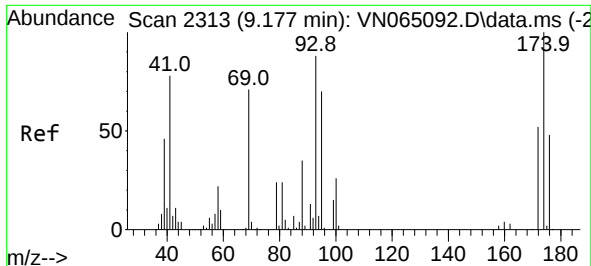
Tgt Ion:130 Resp: 139410
Ion Ratio Lower Upper
130 100
95 103.2 0.0 197.8



#45
1,2-Dichloropropane
Concen: 0.21 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.283 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 63 Resp: 531
Ion Ratio Lower Upper
63 100
65 299.7 25.0 37.4#

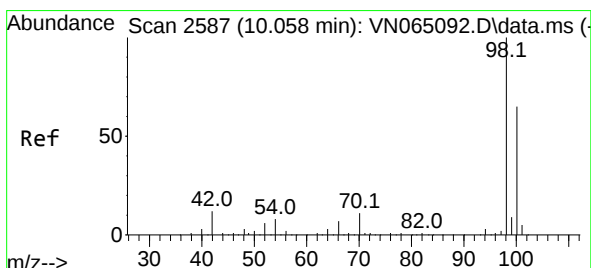
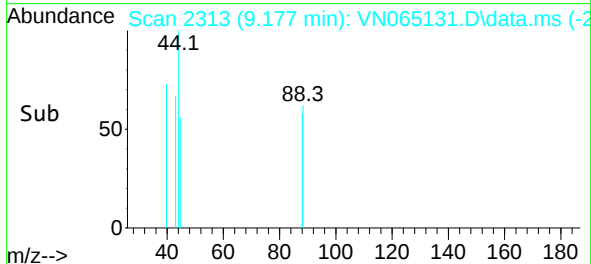
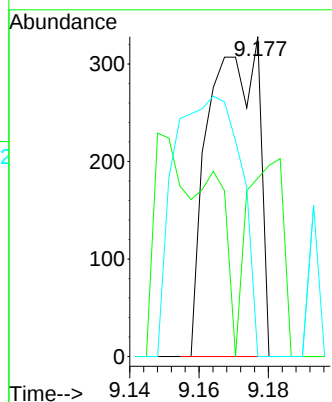
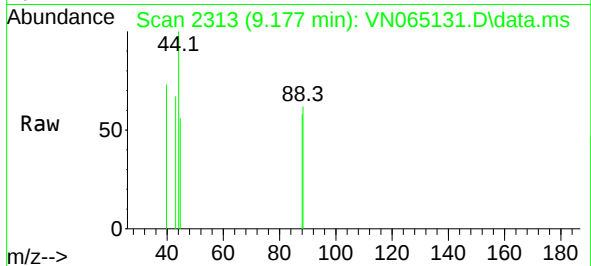




#49
1,4-Dioxane
Concen: 10.06 ug/l
RT: 9.177 min Scan# 2313
Delta R.T. -0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

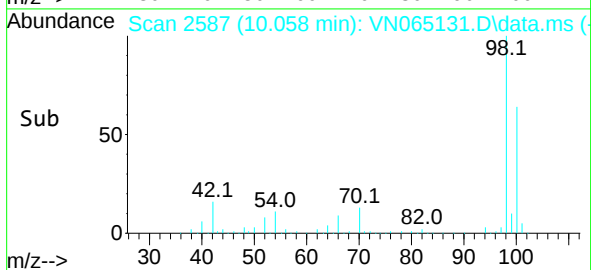
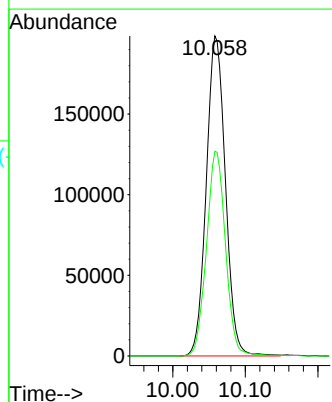
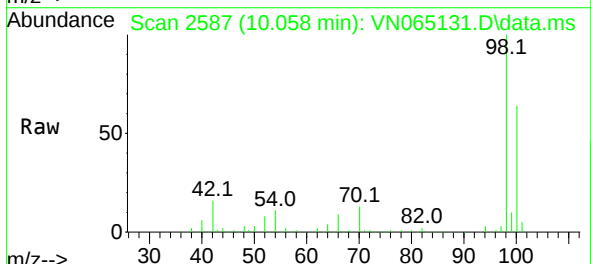
Instrument :
MSVOA_N
ClientSampled :

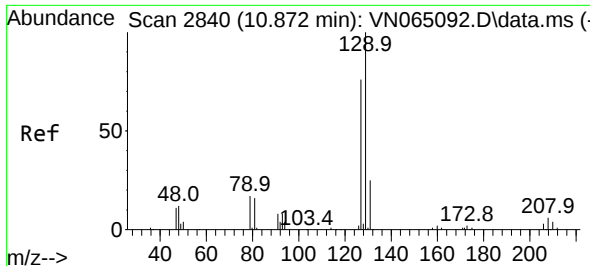
Tgt Ion: 88 Resp: 324
Ion Ratio Lower Upper
88 100
43 44.8 24.2 36.4#
58 9.3 52.5 78.7#



#50
Toluene-d8
Concen: 43.98 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. -0.000 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 98 Resp: 363192
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

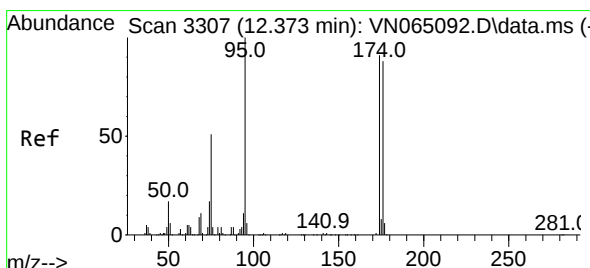
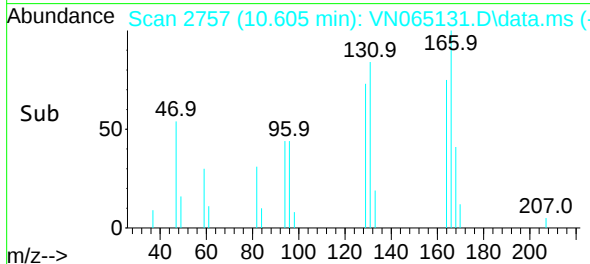
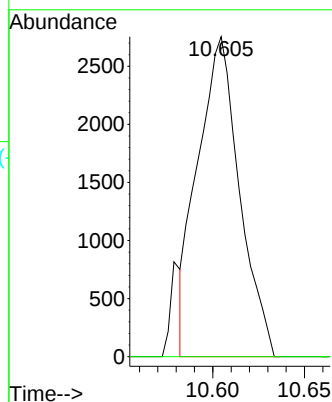
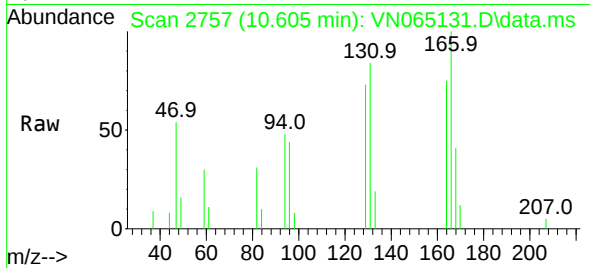




#60
Dibromochloromethane
Concen: 1.58 ug/l
RT: 10.605 min Scan# 2757
Delta R.T. -0.267 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

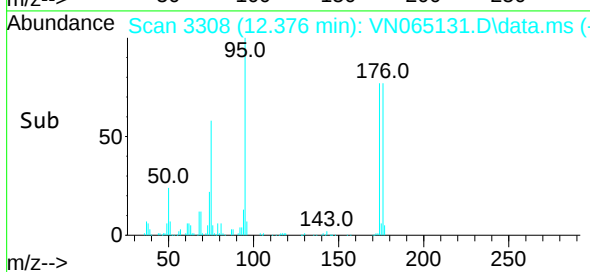
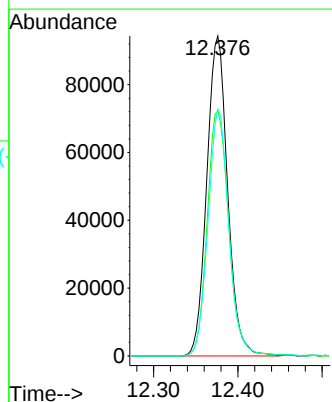
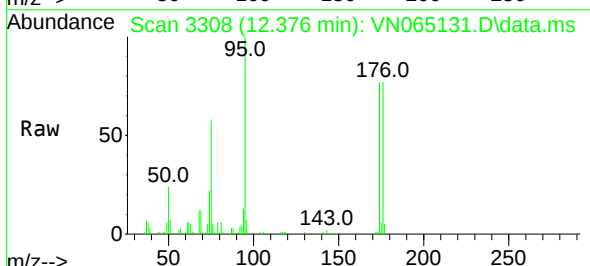
Instrument :
MSVOA_N
ClientSampled :

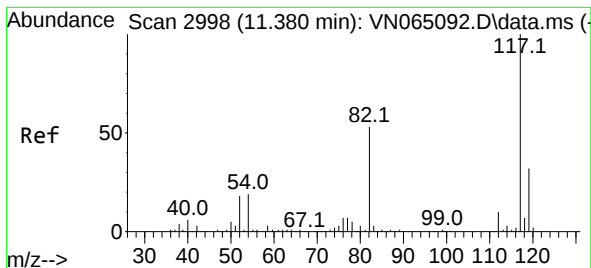
Tgt Ion:129 Resp: 4370
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#62
4-Bromofluorobenzene
Concen: 57.07 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 95 Resp: 162328
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.4
176 77.1 0.0 158.4

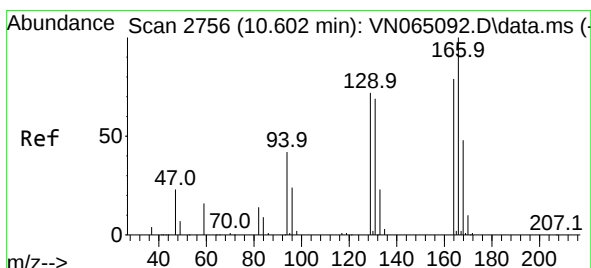
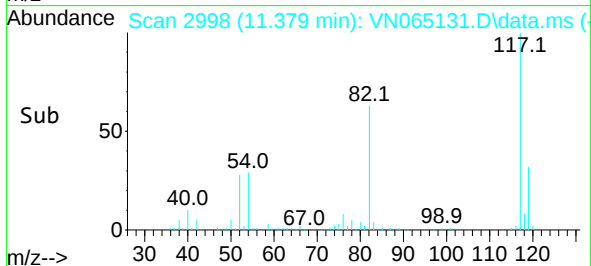
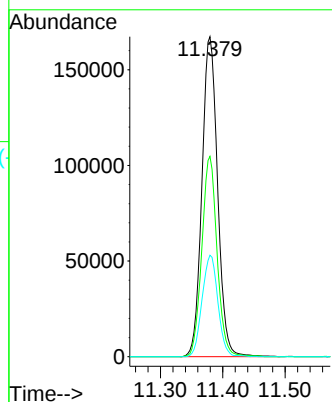
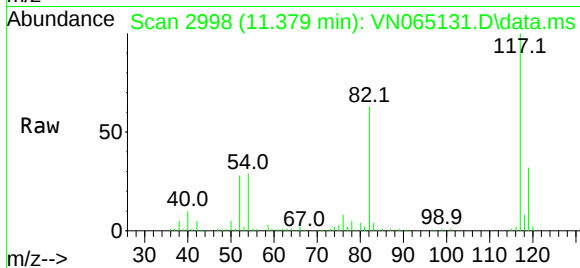




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

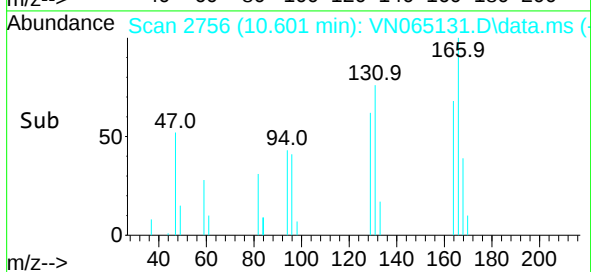
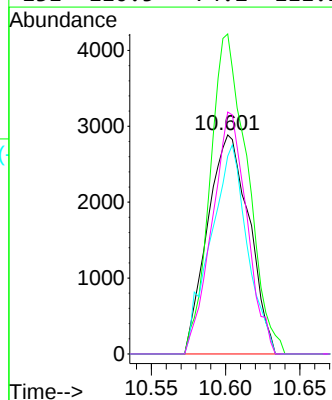
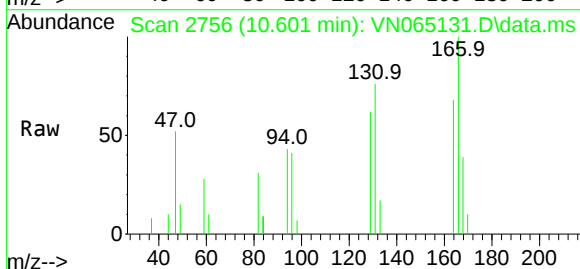
Instrument :
MSVOA_N
ClientSampled :

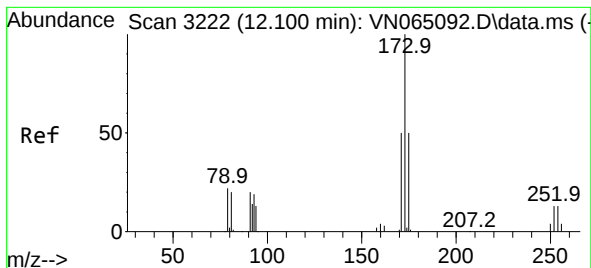
Tgt Ion:117 Resp: 292327
Ion Ratio Lower Upper
117 100
82 62.6 44.2 66.2
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 1.93 ug/l
RT: 10.601 min Scan# 2756
Delta R.T. -0.001 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion:164 Resp: 5599
Ion Ratio Lower Upper
164 100
166 146.1 101.4 152.0
129 90.3 76.1 114.1
131 110.5 74.2 111.2





#71

Bromoform

Concen: 0.49 ug/l

RT: 12.376 min Scan# 3308

Delta R.T. 0.276 min

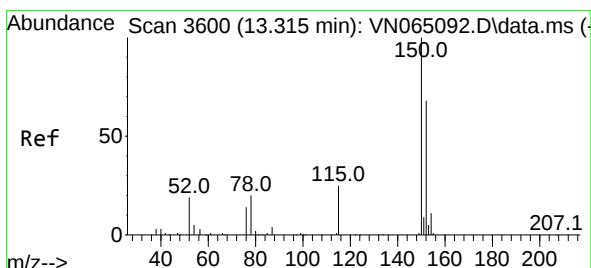
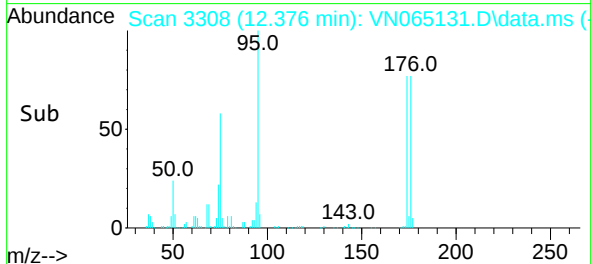
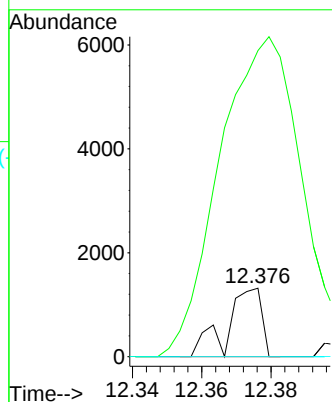
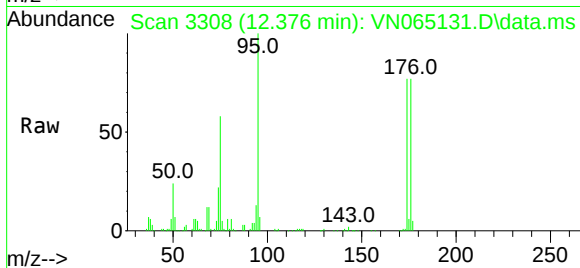
Lab File: VN065131.D

Acq: 15 Dec 2020 4:08

Tgt Ion:173 Resp: 920

Ion	Ratio	Lower	Upper
173	100		
175	929.9	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.318 min Scan# 3601

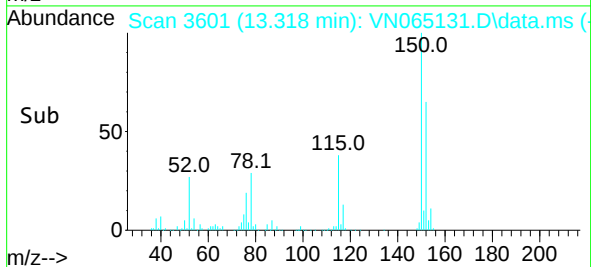
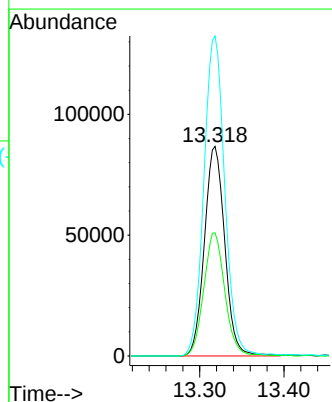
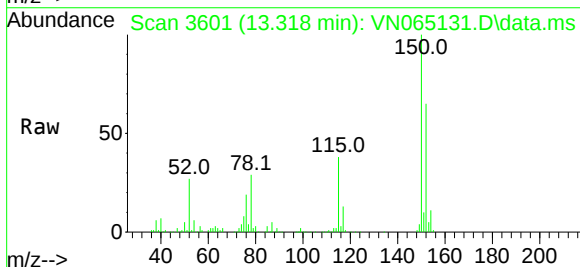
Delta R.T. 0.003 min

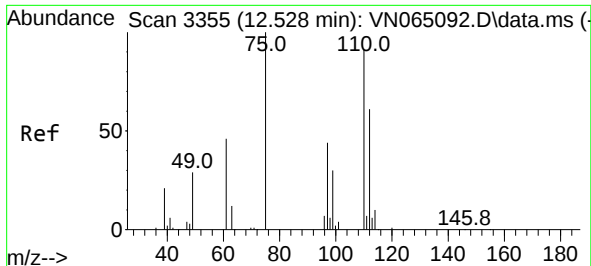
Lab File: VN065131.D

Acq: 15 Dec 2020 4:08

Tgt Ion:152 Resp: 145957

Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.7	89.1
150	155.6	0.0	350.6

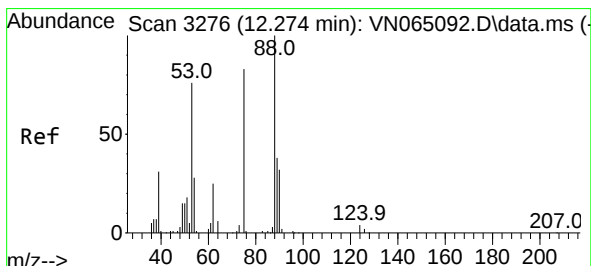
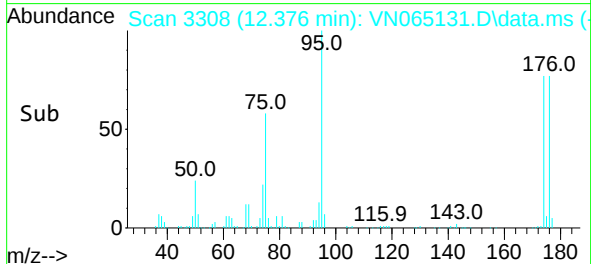
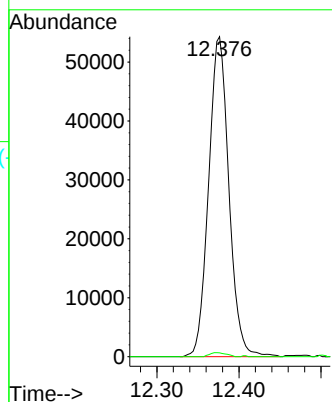
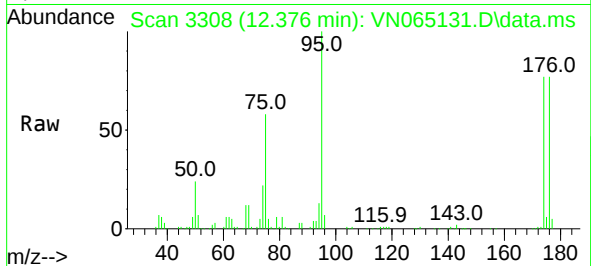




#76
1,2,3-Trichloropropane
Concen: 35.68 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 93456
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.29 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065131.D
Acq: 15 Dec 2020 4:08

Tgt Ion: 75 Resp: 93456
Ion Ratio Lower Upper
75 100
53 0.1 67.0 100.4#
89 0.1 39.6 59.4#

