

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121420\
 Data File : VN065108.D
 Acq On : 14 Dec 2020 18:17
 Operator : JC/MD
 Sample : L5040-01DL 4X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

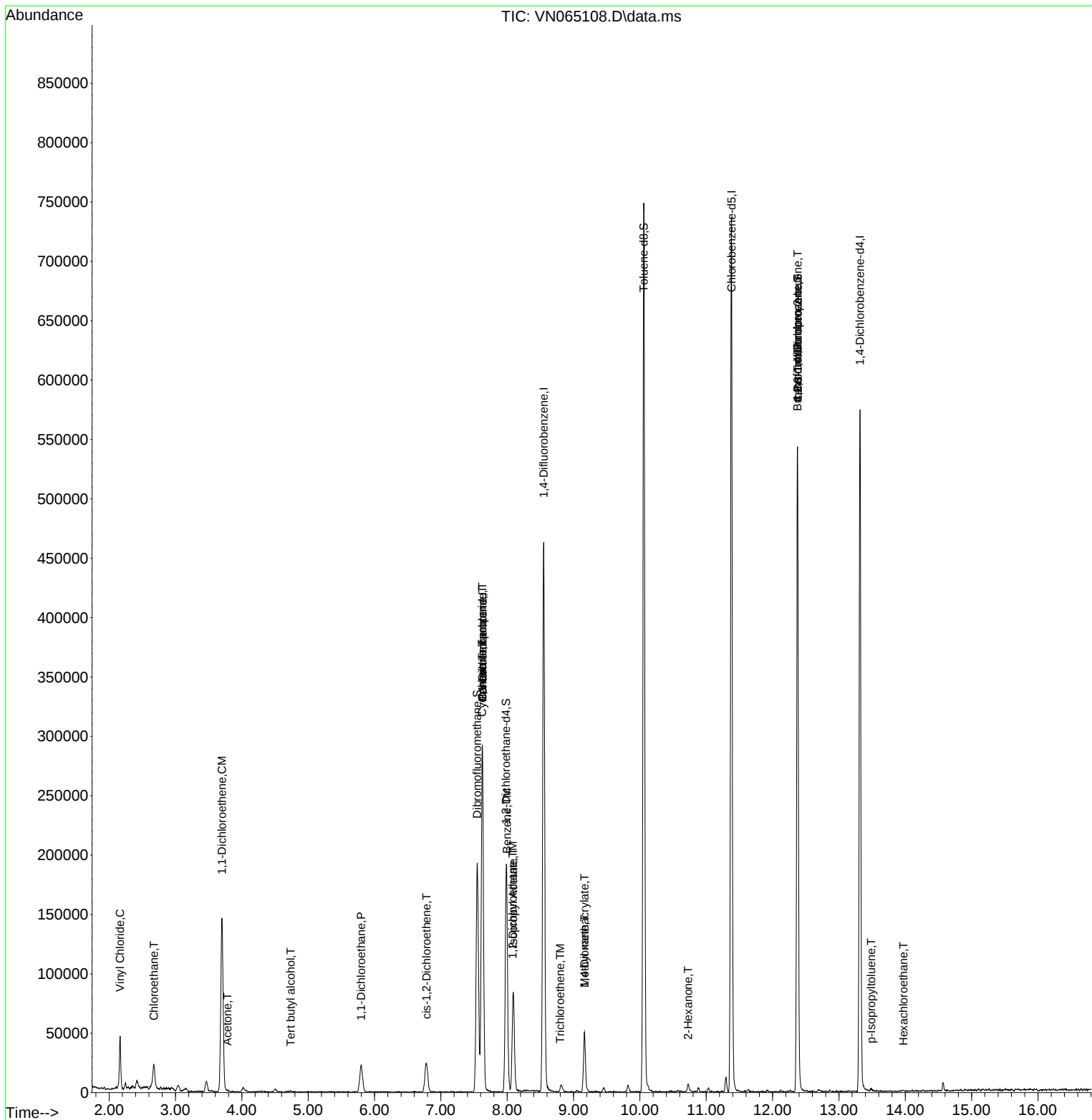
Quant Time: Dec 15 05:51:39 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121420W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 15 05:41:47 2020
 Response via : Initial Calibration

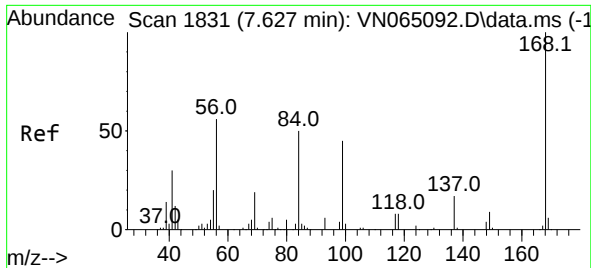
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.627	168	232019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	409812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	409465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	156466	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	170907	64.07	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 128.14%			
35) Dibromofluoromethane	7.547	113	141267	49.59	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.18%			
50) Toluene-d8	10.058	98	520974	51.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.44%			
62) 4-Bromofluorobenzene	12.376	95	176447	50.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.72%			
Target Compounds						Qvalue
3) Chloromethane	2.042	50	395	Below Cal		99
4) Vinyl Chloride	2.164	62	36416	16.91 ug/l		98
5) Bromomethane	2.531	94	32	Below Cal	#	3
6) Chloroethane	2.676	64	14705	12.66 ug/l		92
11) Tert butyl alcohol	4.737	59	872	3.07 ug/l	#	73
12) 1,1-Dichloroethene	3.701	96	74194	34.73 ug/l		92
16) Acetone	3.782	43	592	0.60 ug/l	#	43
20) Methylene Chloride	4.512	84	1505	Below Cal	#	56
24) 1,1-Dichloroethane	5.798	63	33728	8.13 ug/l		97
27) cis-1,2-Dichloroethene	6.785	96	14516	5.74 ug/l		95
31) Cyclohexane	7.621	56	5250	1.45 ug/l	#	20
36) 1,1-Dichloropropene	7.624	75	18658	4.77 ug/l	#	48
38) Carbon Tetrachloride	7.624	117	22363	4.95 ug/l	#	16
40) Benzene	7.997	78	2798	0.24 ug/l	#	85
42) 1,2-Dichloroethane	8.084	62	10320	2.49 ug/l		79
43) Isopropyl Acetate	8.090	43	20944	3.81 ug/l	#	66
44) Trichloroethene	8.798	130	734	0.22 ug/l		89
48) Methyl methacrylate	9.164	41	552	0.21 ug/l	#	22
49) 1,4-Dioxane	9.164	88	37431	952.52 ug/l		96
59) 2-Hexanone	10.727	43	1925	0.87 ug/l	#	25
71) Bromoform	12.373	173	766	0.29 ug/l	#	1
76) 1,2,3-Trichloropropane	12.376	75	96361	34.32 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.376	75	96361	95.50 ug/l	#	19
86) p-Isopropyltoluene	13.486	119	909	1.15 ug/l		93
90) Hexachloroethane	13.971	117	525	0.32 ug/l	#	9

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

Quant Time: Dec 15 05:51:39 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

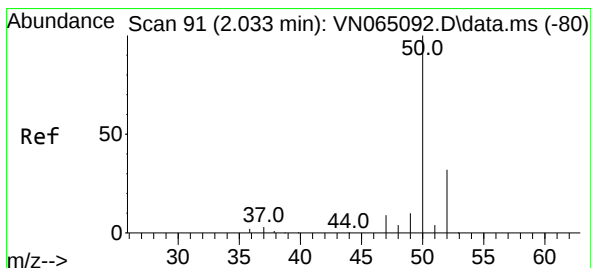
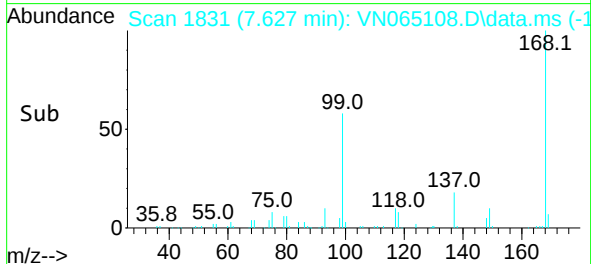
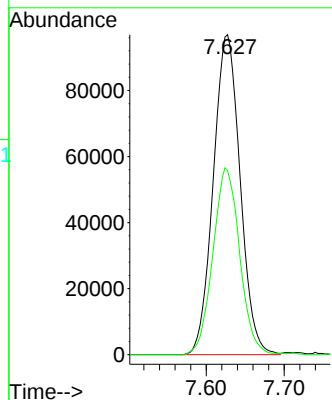
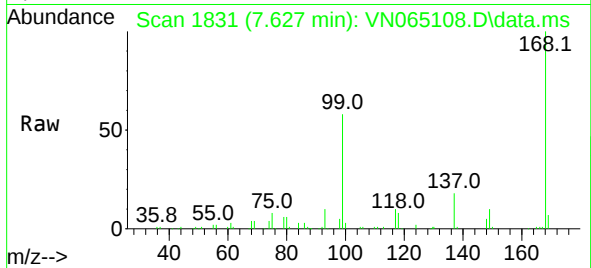




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

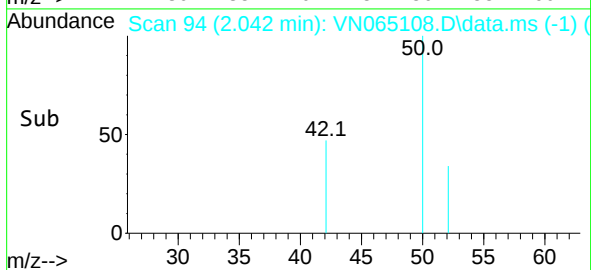
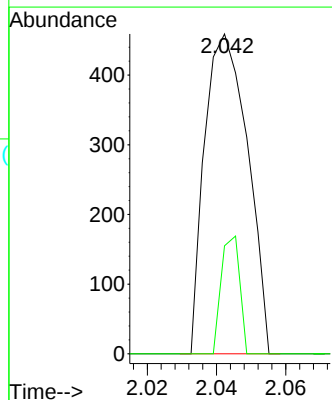
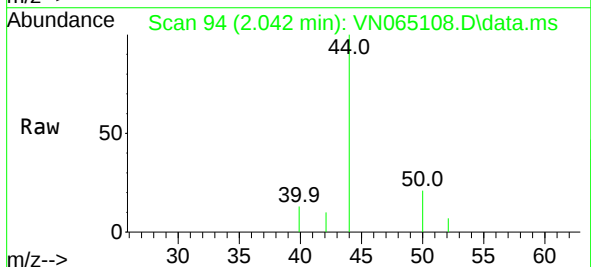
Instrument :
MSVOA_N
ClientSampled :

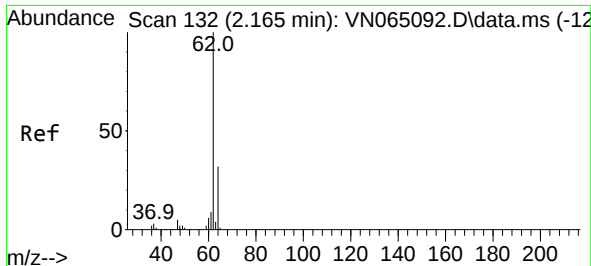
Tgt Ion:168 Resp: 232019
Ion Ratio Lower Upper
168 100
99 57.5 43.0 64.4



#3
Chloromethane
Concen: Below Cal
RT: 2.042 min Scan# 94
Delta R.T. 0.009 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 50 Resp: 395
Ion Ratio Lower Upper
50 100
52 33.8 26.6 39.8

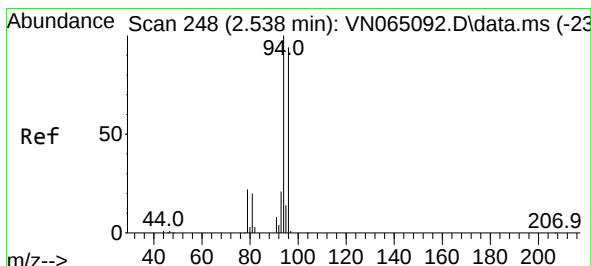
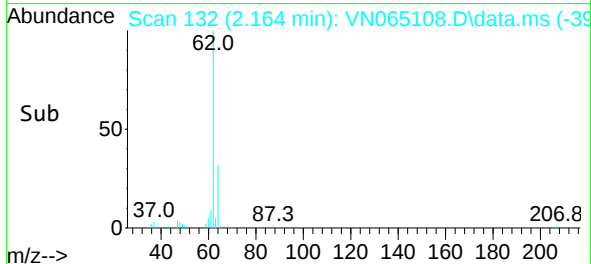
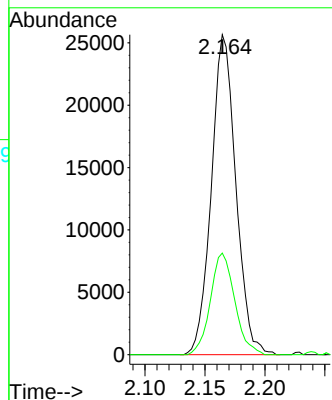
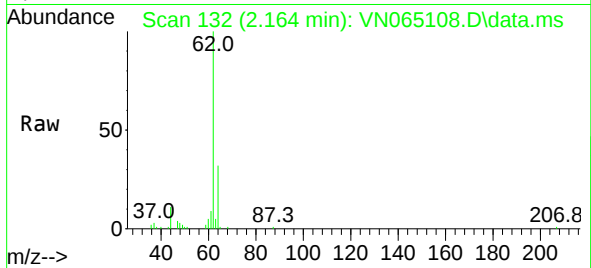




#4
 Vinyl Chloride
 Concen: 16.91 ug/l
 RT: 2.164 min Scan# 132
 Delta R.T. -0.001 min
 Lab File: VN065108.D
 Acq: 14 Dec 2020 18:17

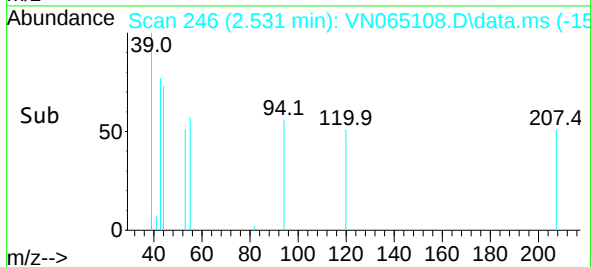
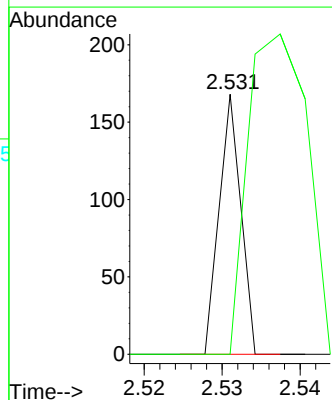
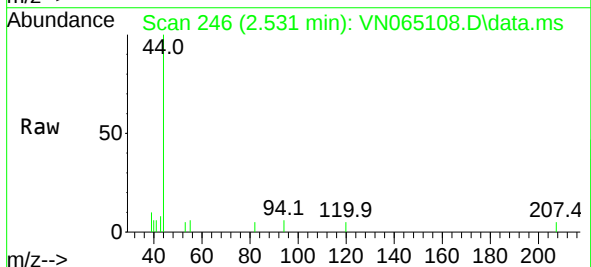
Instrument :
 MSVOA_N
 ClientSampled :

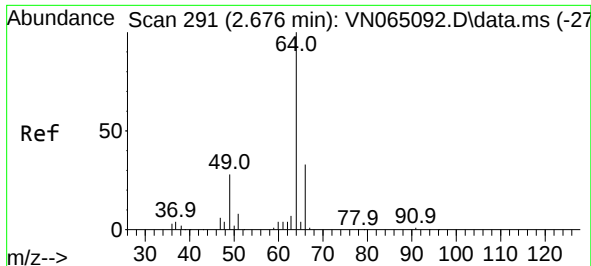
Tgt Ion: 62 Resp: 36416
 Ion Ratio Lower Upper
 62 100
 64 31.7 26.5 39.7



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.531 min Scan# 246
 Delta R.T. -0.007 min
 Lab File: VN065108.D
 Acq: 14 Dec 2020 18:17

Tgt Ion: 94 Resp: 32
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.4 113.0#

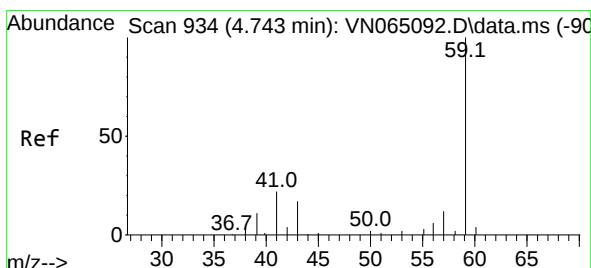
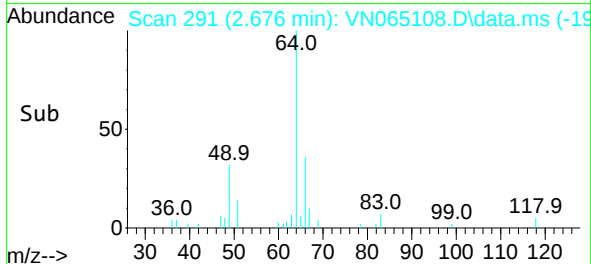
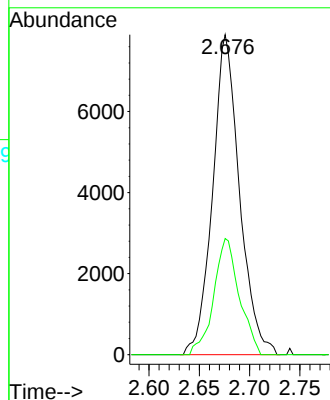
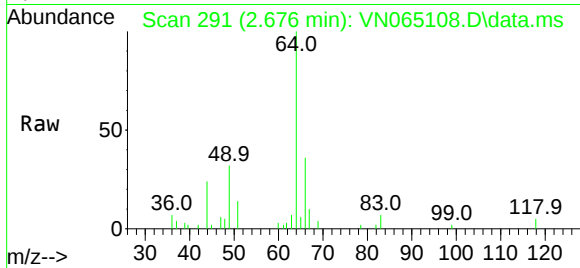




#6
Chloroethane
Concen: 12.66 ug/l
RT: 2.676 min Scan# 291
Delta R.T. -0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

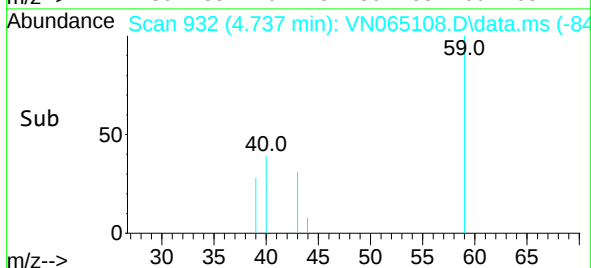
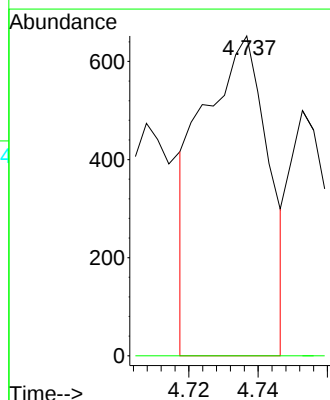
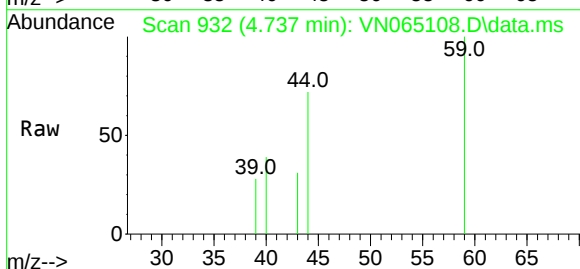
Instrument :
MSVOA_N
ClientSampled :

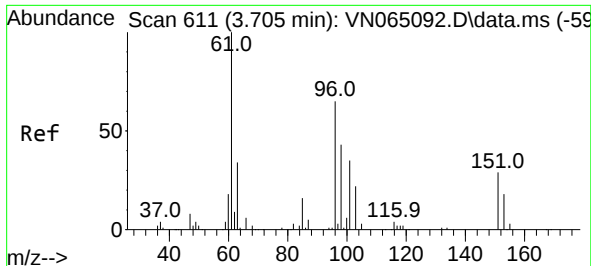
Tgt Ion: 64 Resp: 14705
Ion Ratio Lower Upper
64 100
66 36.3 25.6 38.4



#11
Tert butyl alcohol
Concen: 3.07 ug/l
RT: 4.737 min Scan# 932
Delta R.T. -0.006 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 59 Resp: 872
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

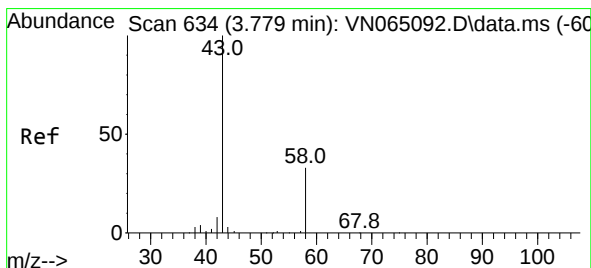
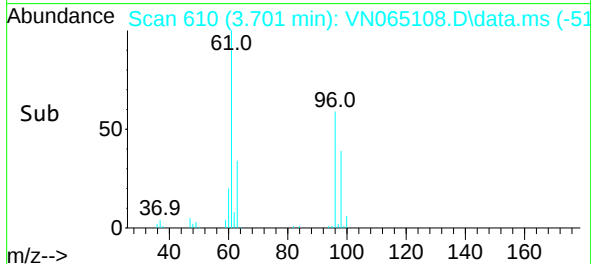
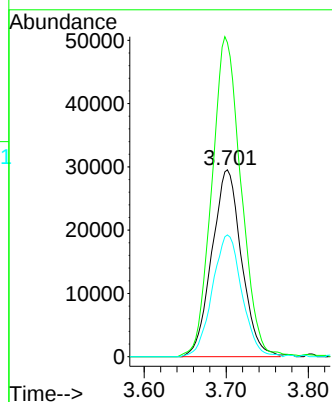
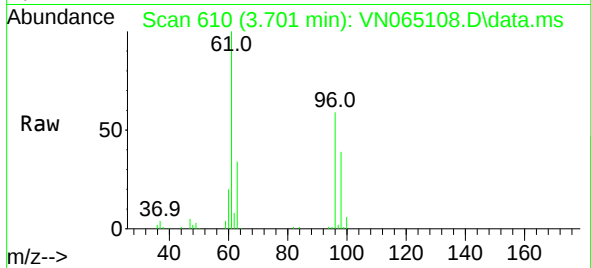




#12
1,1-Dichloroethene
Concen: 34.73 ug/l
RT: 3.701 min Scan# 610
Delta R.T. -0.004 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

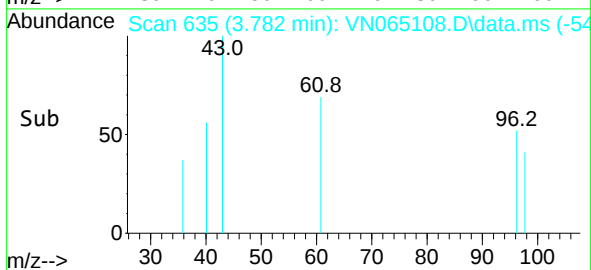
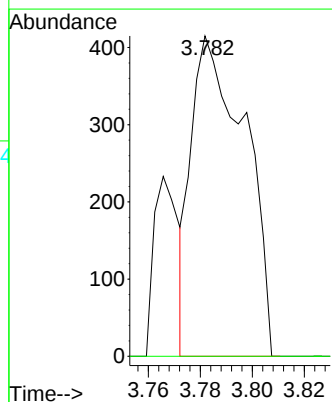
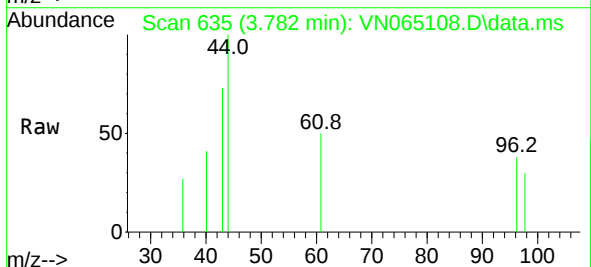
Instrument :
MSVOA_N
ClientSampled :

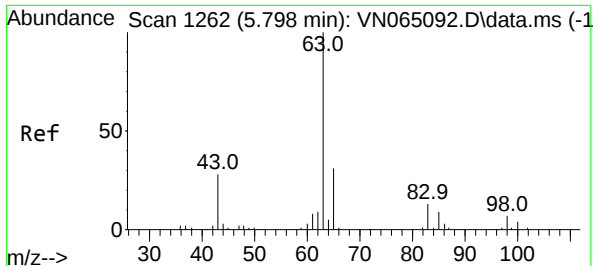
Tgt Ion: 96 Resp: 74194
Ion Ratio Lower Upper
96 100
61 167.5 123.4 185.2
98 65.2 49.8 74.8



#16
Acetone
Concen: 0.60 ug/l
RT: 3.782 min Scan# 635
Delta R.T. 0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 0.0 25.7 38.5#





#24

1,1-Dichloroethane

Concen: 8.13 ug/l

RT: 5.798 min Scan# 1262

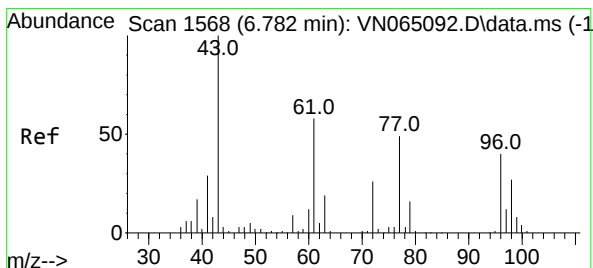
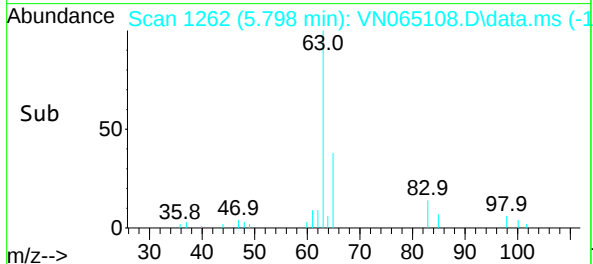
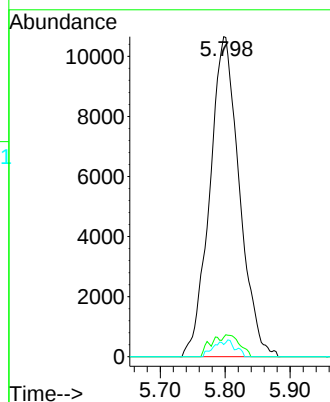
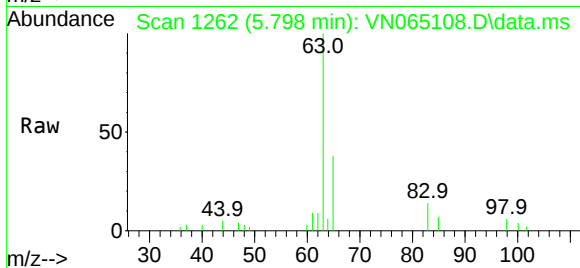
Delta R.T. -0.000 min

Lab File: VN065108.D

Acq: 14 Dec 2020 18:17

Tgt Ion:	63	Resp:	33728
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.5	10.5
100	3.8	2.3	6.8

Instrument :
MSVOA_N
ClientSampled :



#27

cis-1,2-Dichloroethene

Concen: 5.74 ug/l

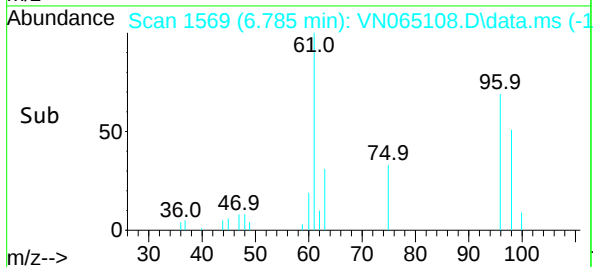
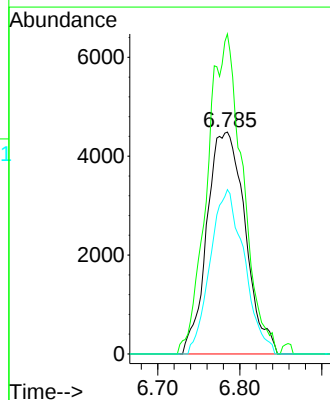
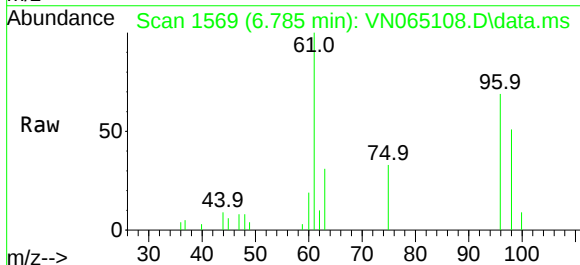
RT: 6.785 min Scan# 1569

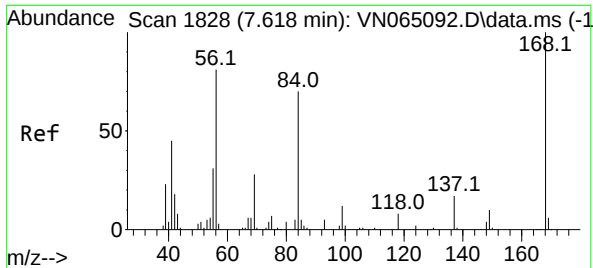
Delta R.T. 0.003 min

Lab File: VN065108.D

Acq: 14 Dec 2020 18:17

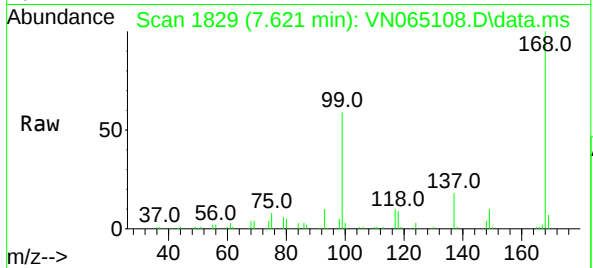
Tgt Ion:	96	Resp:	14516
Ion Ratio	Lower	Upper	
96	100		
61	134.1	0.0	285.8
98	66.0	0.0	130.6



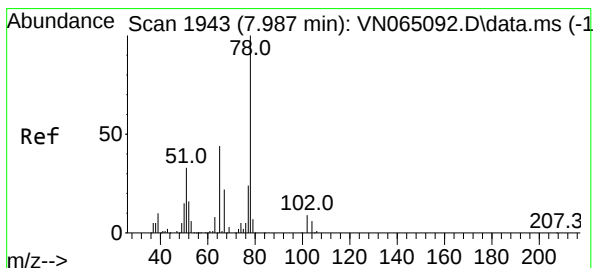
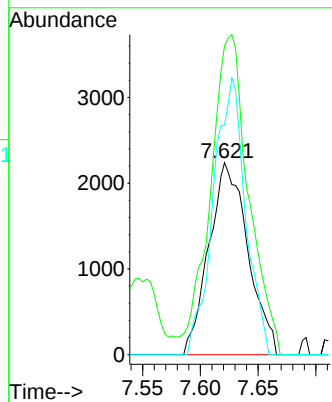
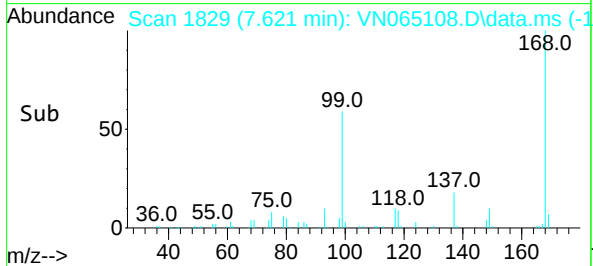


#31
Cyclohexane
Concen: 1.45 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

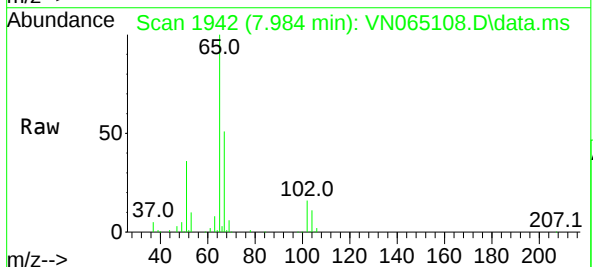
Instrument :
MSVOA_N
ClientSampled :



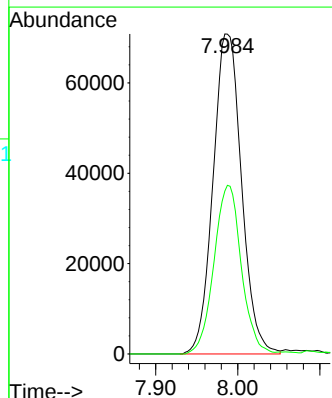
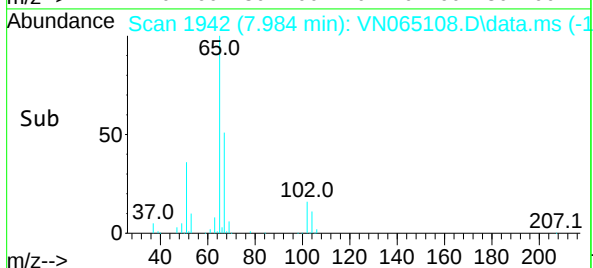
Tgt Ion: 56 Resp: 5250
Ion Ratio Lower Upper
56 100
69 160.7 27.5 41.3#
84 119.6 73.9 110.9#

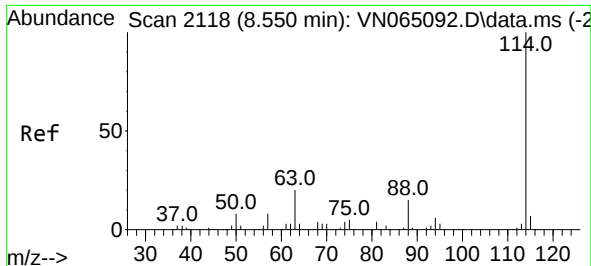


#33
1,2-Dichloroethane-d4
Concen: 64.07 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17



Tgt Ion: 65 Resp: 170907
Ion Ratio Lower Upper
65 100
67 50.6 0.0 108.2

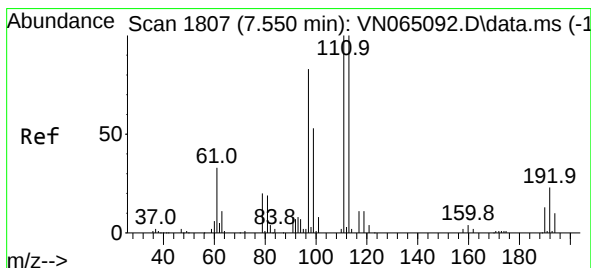
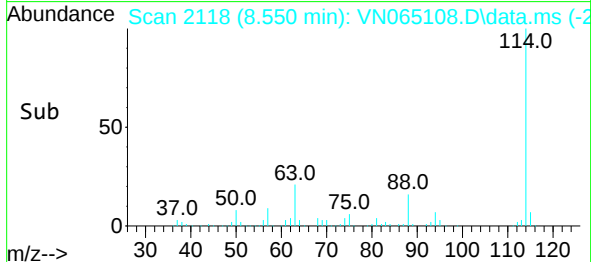
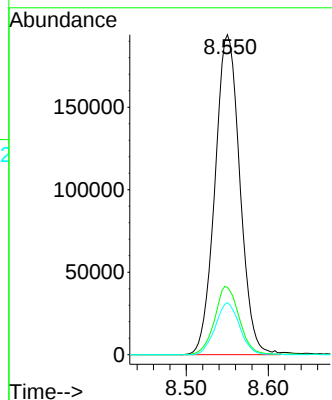
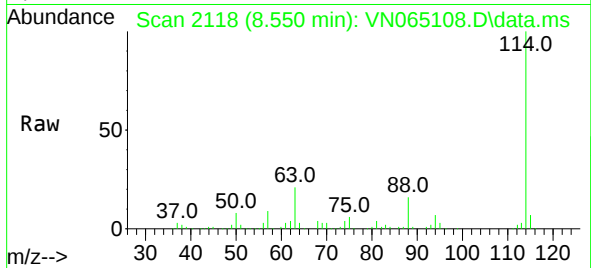




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

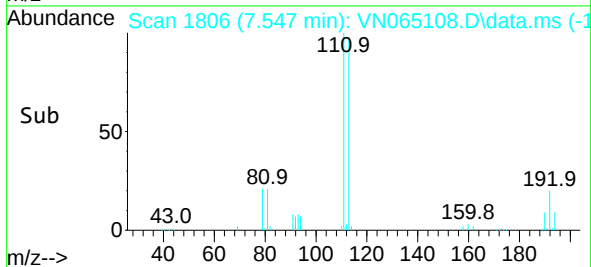
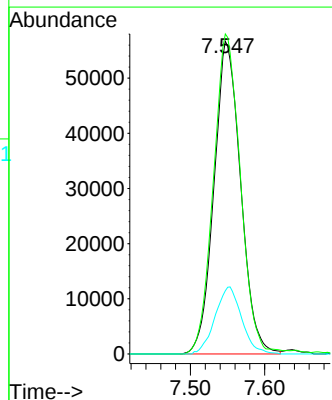
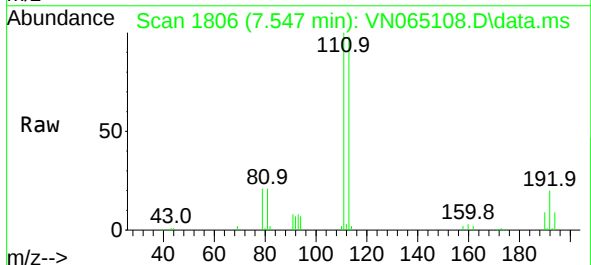
Instrument :
MSVOA_N
ClientSampled :

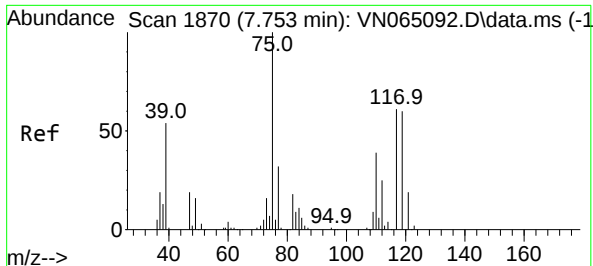
Tgt Ion:	114	Resp:	409812
Ion Ratio	Lower	Upper	
114	100		
63	21.0	0.0	38.6
88	16.3	0.0	32.6



#35
Dibromofluoromethane
Concen: 49.59 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion:	113	Resp:	141267
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.6	122.4
192	21.5	16.2	24.2

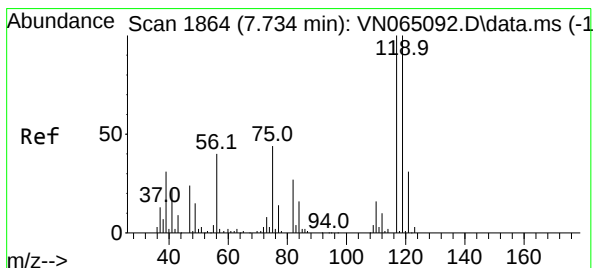
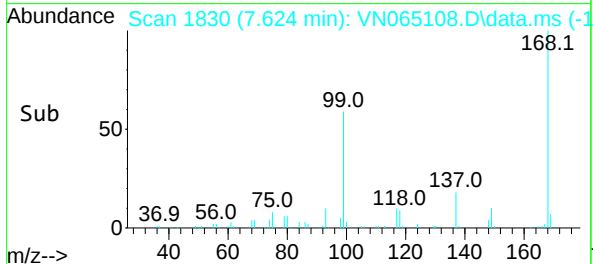
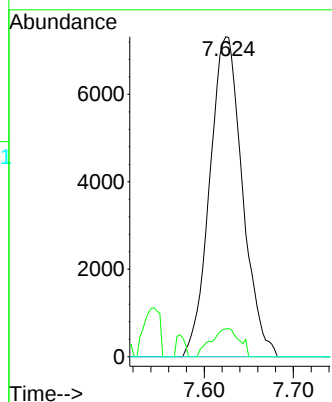
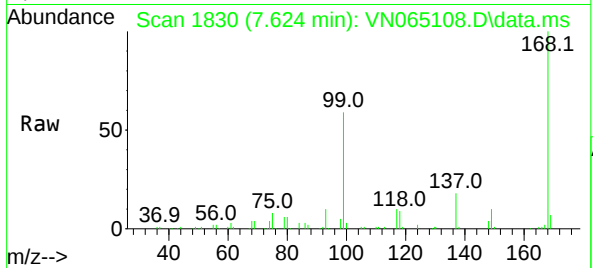




#36
1,1-Dichloropropene
Concen: 4.77 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.129 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

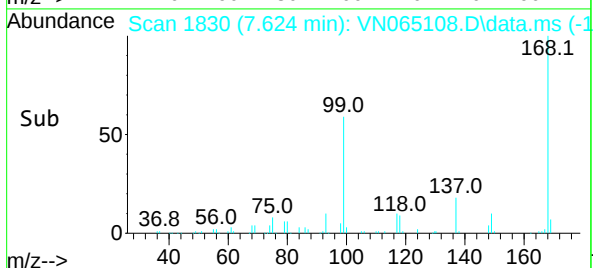
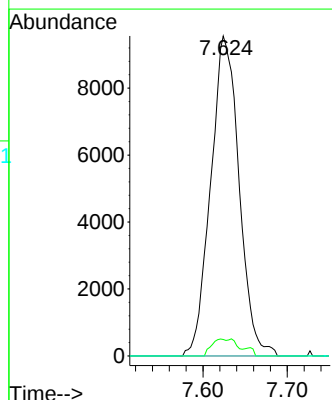
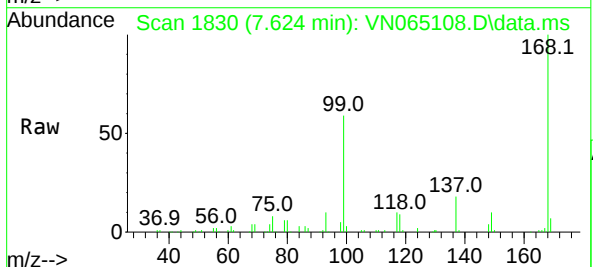
Instrument :
MSVOA_N
ClientSampled :

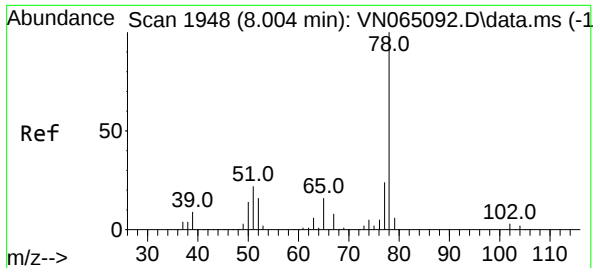
Tgt Ion: 75 Resp: 18658
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.95 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 117 Resp: 22363
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 25.4 38.2#

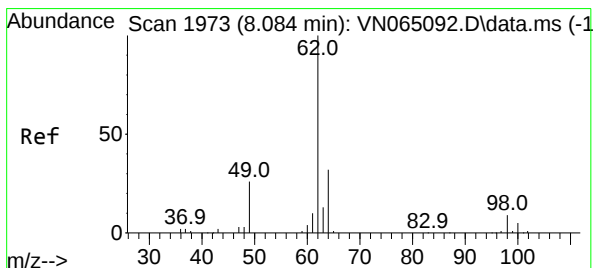
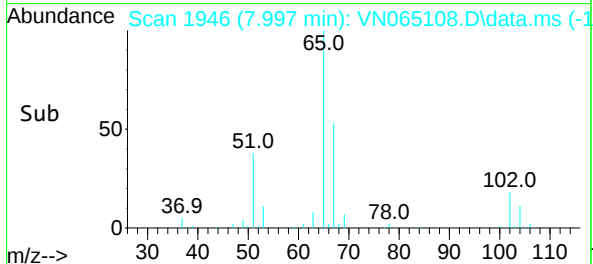
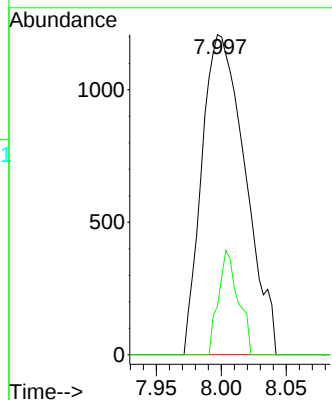
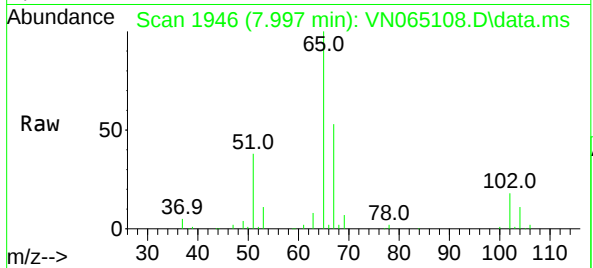




#40
Benzene
Concen: 0.24 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. -0.007 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

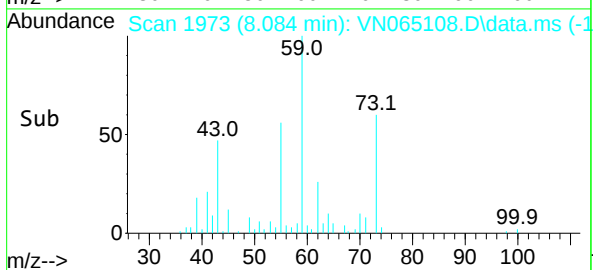
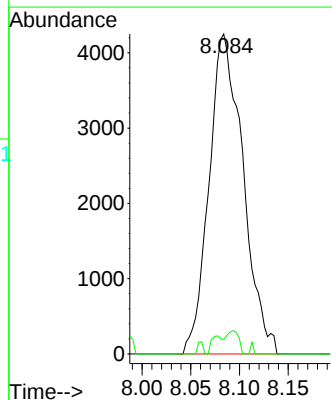
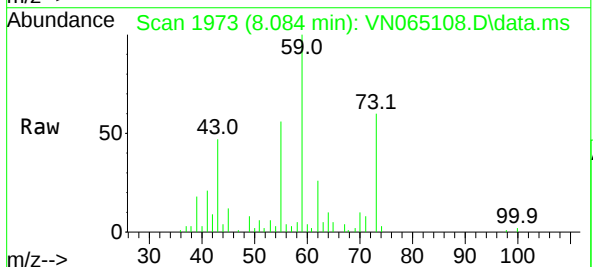
Instrument :
MSVOA_N
ClientSampled :

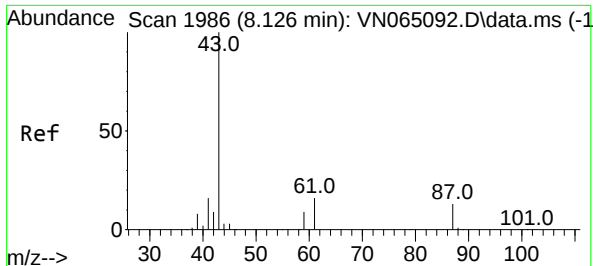
Tgt Ion: 78 Resp: 2798
Ion Ratio Lower Upper
78 100
77 15.1 17.9 26.9#



#42
1,2-Dichloroethane
Concen: 2.49 ug/l
RT: 8.084 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 62 Resp: 10320
Ion Ratio Lower Upper
62 100
98 2.0 0.0 19.6



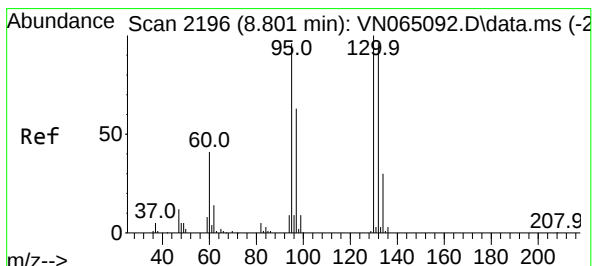
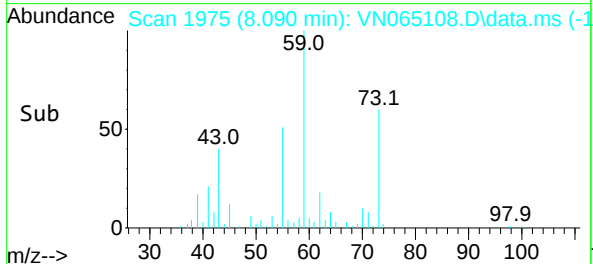
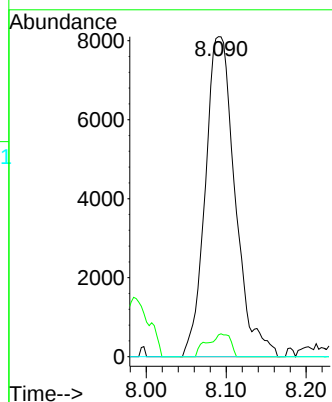
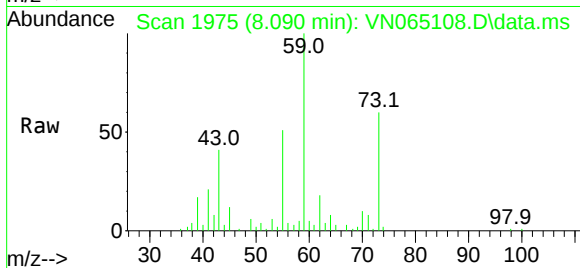


#43

Isopropyl Acetate
 Concen: 3.81 ug/l
 RT: 8.090 min Scan# 1975
 Delta R.T. -0.036 min
 Lab File: VN065108.D
 Acq: 14 Dec 2020 18:17

Instrument :
 MSVOA_N
 ClientSampled :

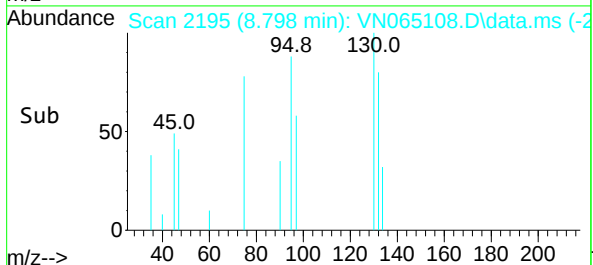
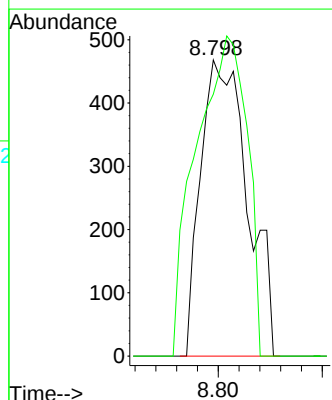
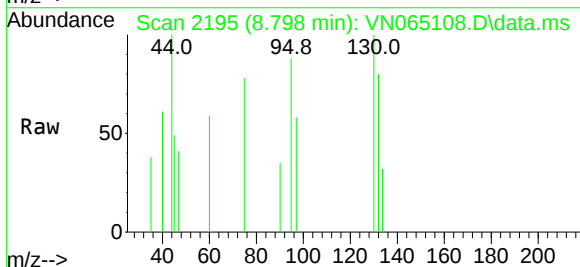
Tgt Ion: 43	Resp: 20944
Ion Ratio	Lower Upper
43 100	
61 5.6	17.2 25.8#
87 0.0	11.4 17.0#

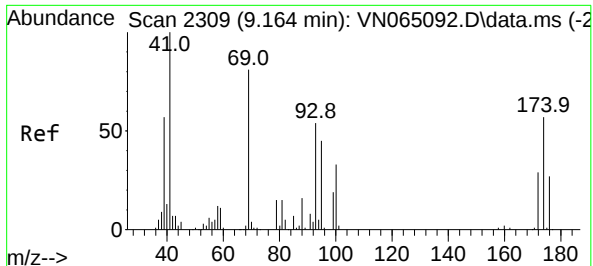


#44

Trichloroethene
 Concen: 0.22 ug/l
 RT: 8.798 min Scan# 2195
 Delta R.T. -0.003 min
 Lab File: VN065108.D
 Acq: 14 Dec 2020 18:17

Tgt Ion: 130	Resp: 734
Ion Ratio	Lower Upper
130 100	
95 88.5	0.0 197.8

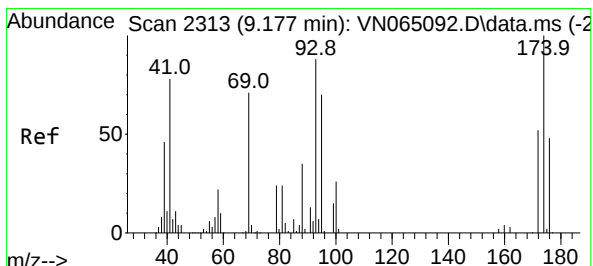
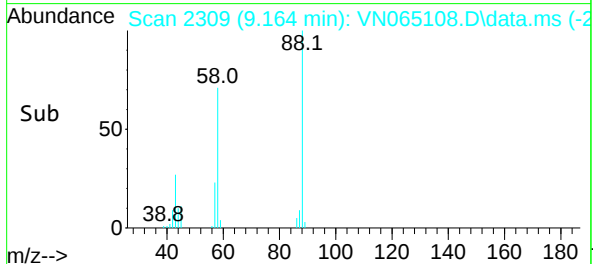
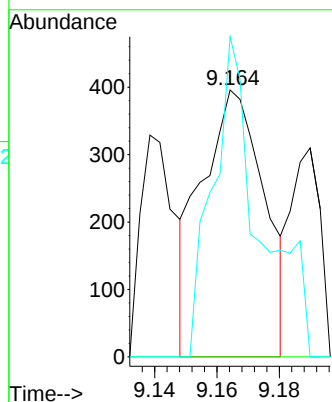
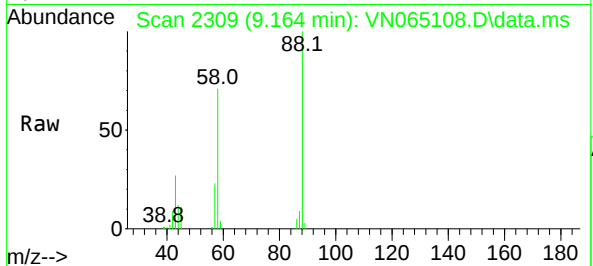




#48
Methyl methacrylate
Concen: 0.21 ug/l
RT: 9.164 min Scan# 2309
Delta R.T. 0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

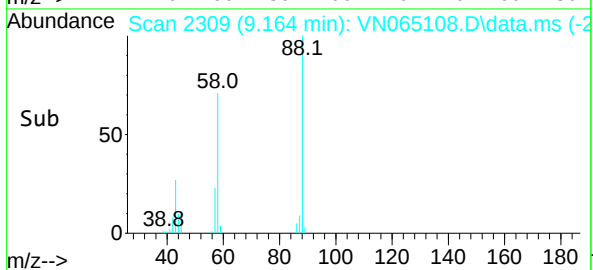
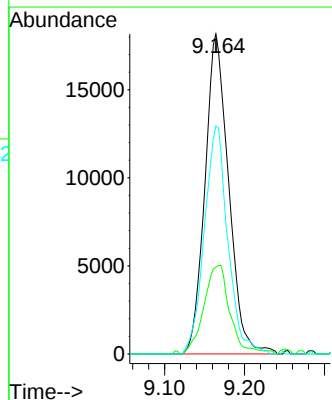
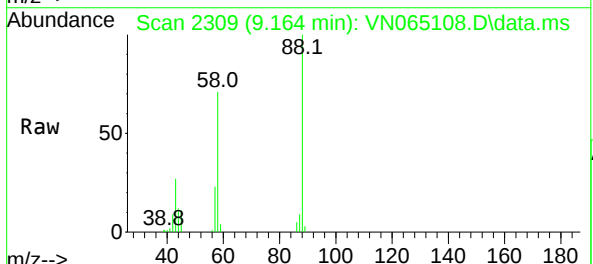
Instrument :
MSVOA_N
ClientSampled :

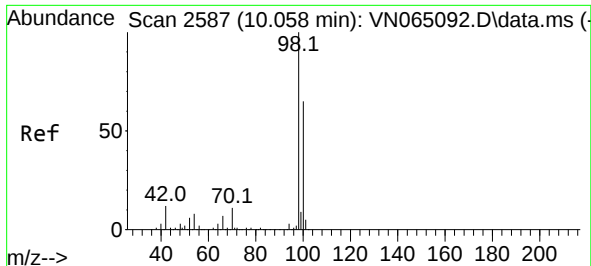
Tgt Ion: 41 Resp: 552
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 90.8 44.1 66.1#



#49
1,4-Dioxane
Concen: 952.52 ug/l
RT: 9.164 min Scan# 2309
Delta R.T. -0.013 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 88 Resp: 37431
Ion Ratio Lower Upper
88 100
43 30.4 24.2 36.4
58 70.7 52.5 78.7

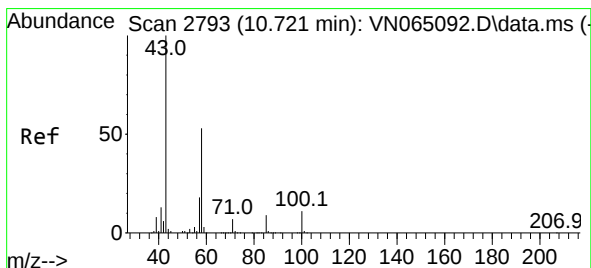
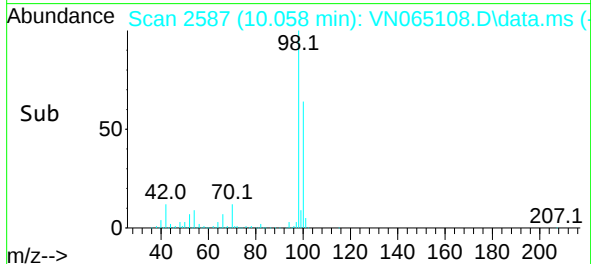
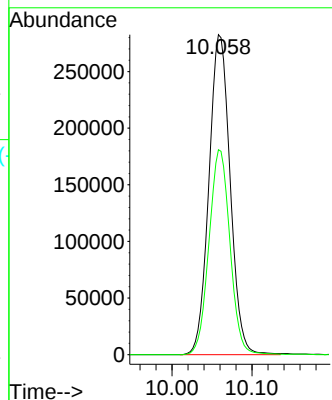
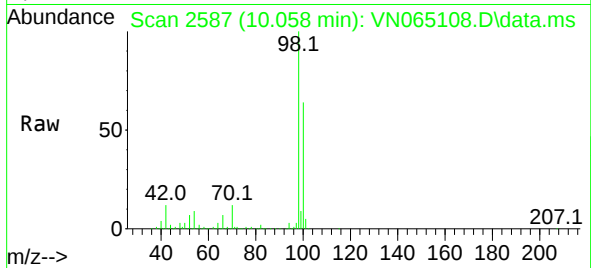




#50
Toluene-d8
Concen: 51.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

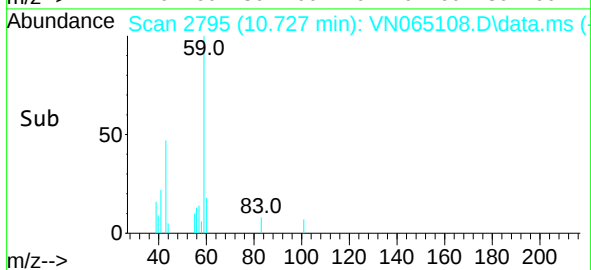
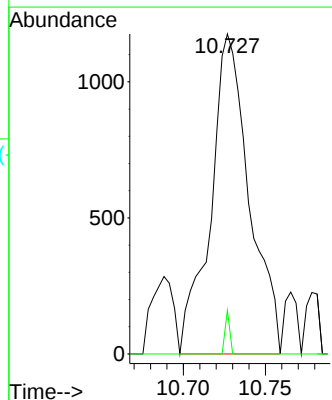
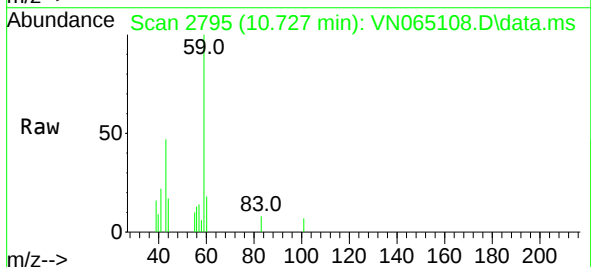
Instrument :
MSVOA_N
ClientSampled :

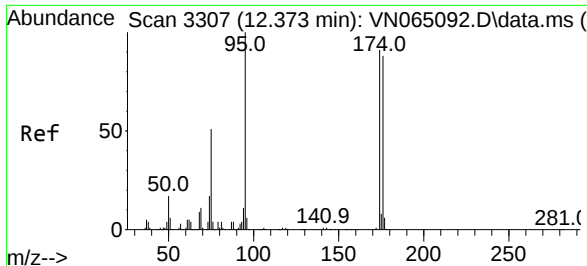
Tgt Ion: 98 Resp: 520974
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#59
2-Hexanone
Concen: 0.87 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.006 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 43 Resp: 1925
Ion Ratio Lower Upper
43 100
58 1.6 28.3 84.9#

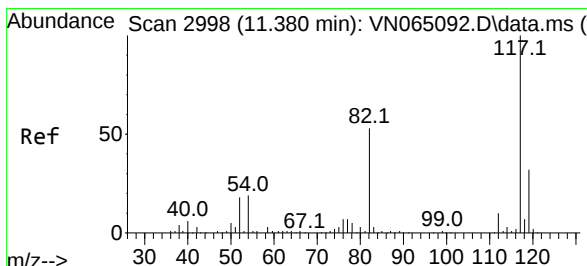
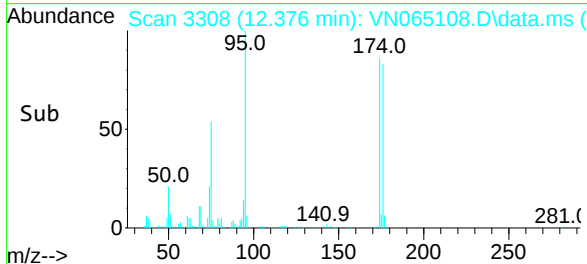
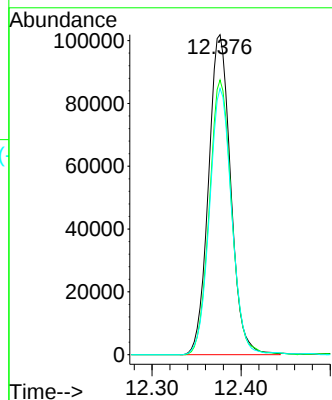
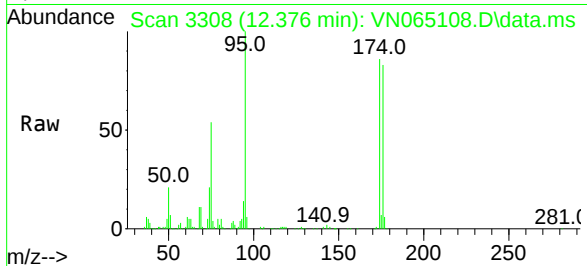




#62
4-Bromofluorobenzene
Concen: 50.86 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

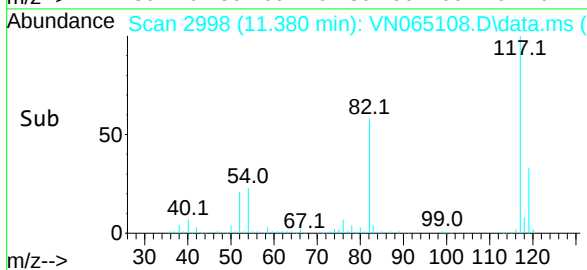
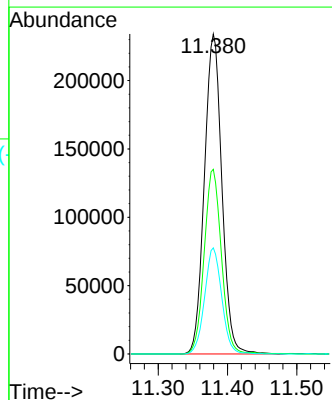
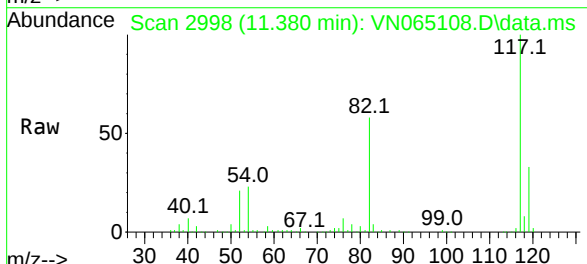
Instrument :
MSVOA_N
ClientSampled :

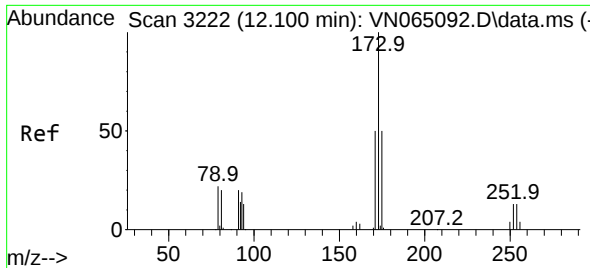
Tgt Ion:	95	Resp:	176447
Ion Ratio	Lower	Upper	
95	100		
174	86.0	0.0	160.4
176	83.0	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion:	117	Resp:	409465
Ion Ratio	Lower	Upper	
117	100		
82	57.7	44.2	66.2
119	33.2	25.8	38.6

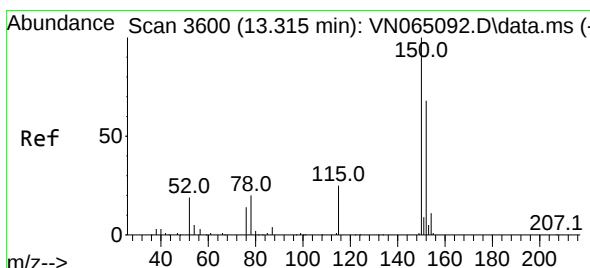
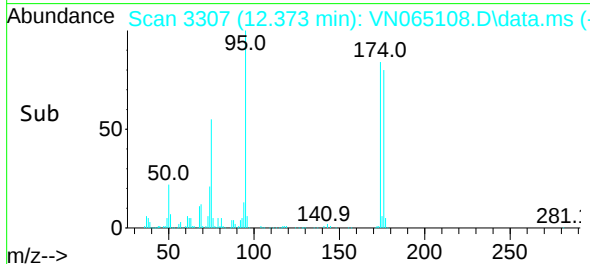
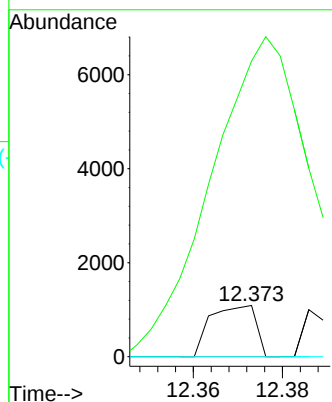
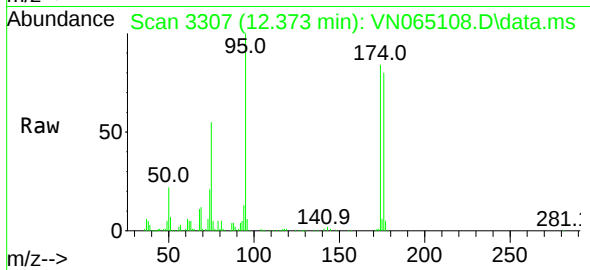




#71
Bromoform
Concen: 0.29 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.273 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

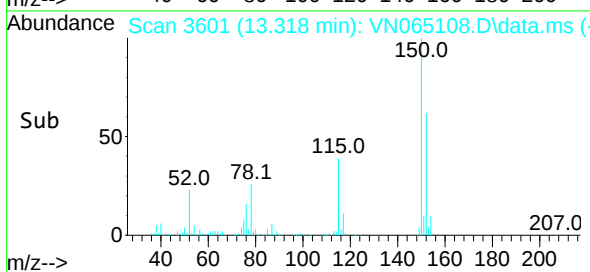
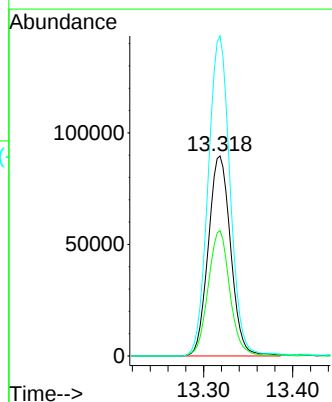
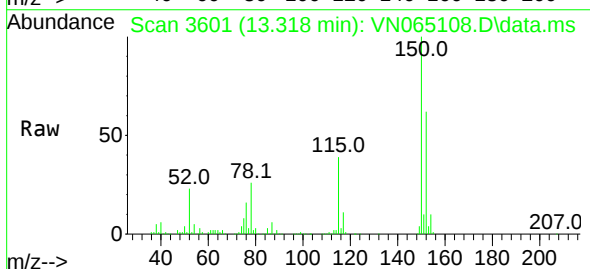
Instrument :
MSVOA_N
ClientSampleId :

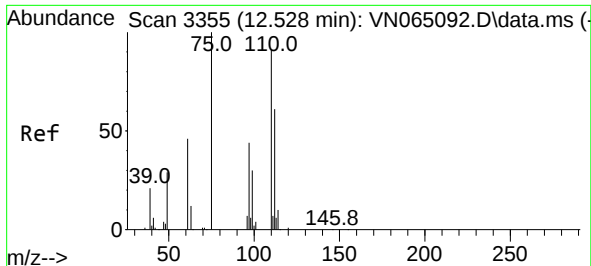
Tgt Ion:173 Resp: 766
Ion Ratio Lower Upper
173 100
175 1227.8 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.003 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion:152 Resp: 156466
Ion Ratio Lower Upper
152 100
115 61.0 29.7 89.1
150 157.3 0.0 350.6

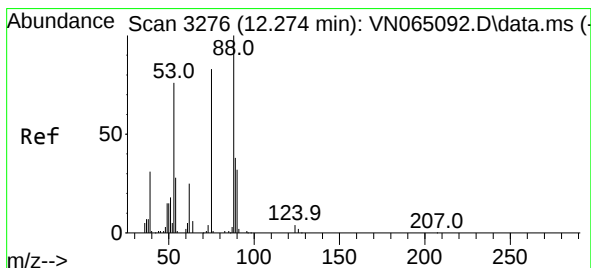
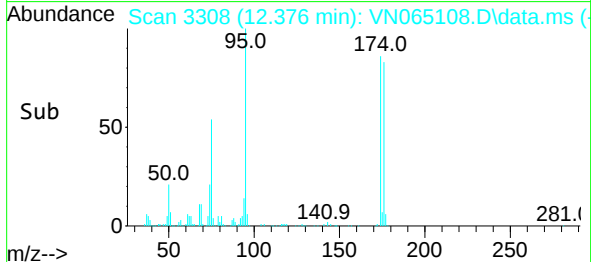
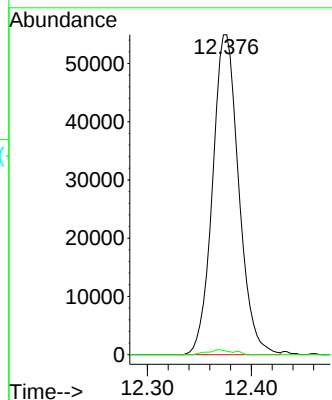
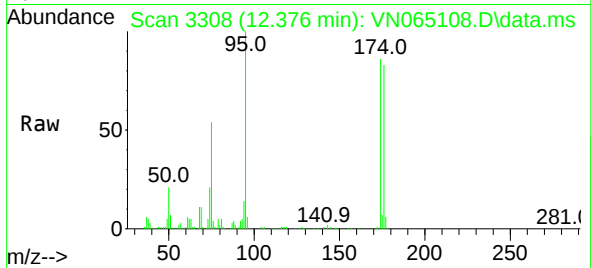




#76
1,2,3-Trichloropropane
Concen: 34.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.152 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

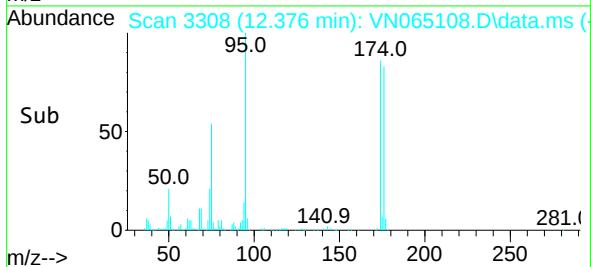
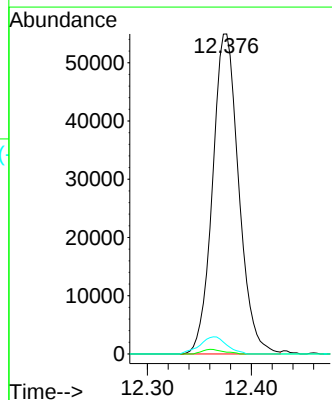
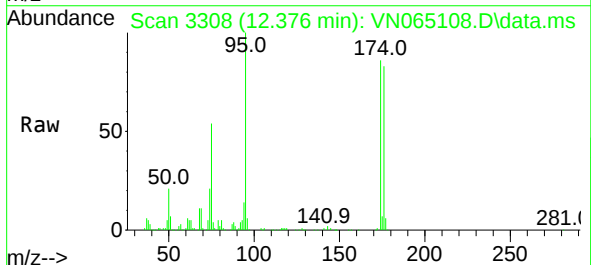
Instrument :
MSVOA_N
ClientSampled :

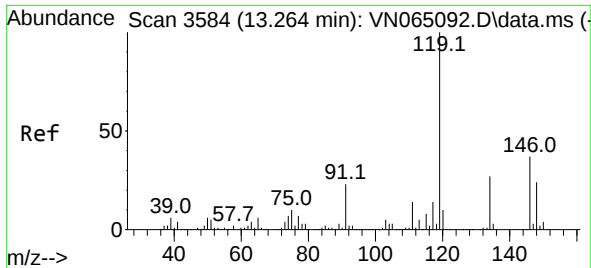
Tgt Ion: 75 Resp: 96361
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.50 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.102 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion: 75 Resp: 96361
Ion Ratio Lower Upper
75 100
53 1.2 67.0 100.4#
89 5.5 39.6 59.4#

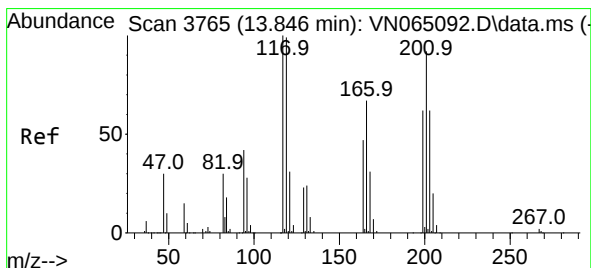
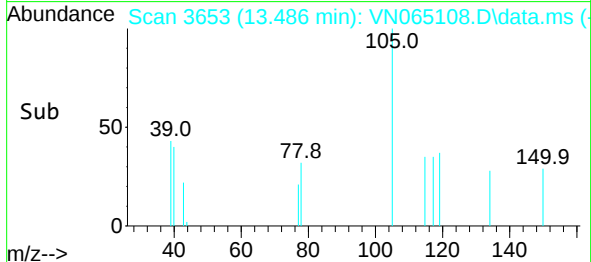
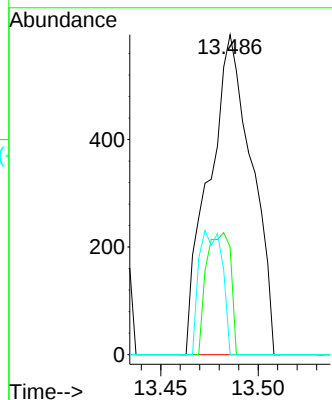
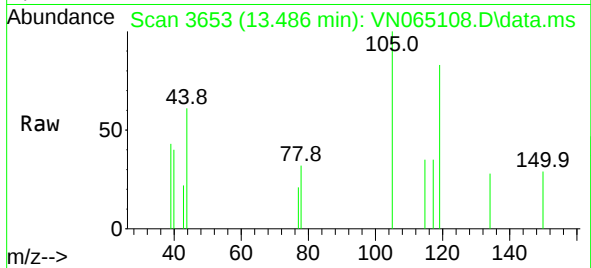




#86
p-Isopropyltoluene
Concen: 1.15 ug/l
RT: 13.486 min Scan# 3653
Delta R.T. 0.222 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:119 Resp: 909
Ion Ratio Lower Upper
119 100
134 21.5 13.1 39.1
91 21.1 11.5 34.5



#90
Hexachloroethane
Concen: 0.32 ug/l
RT: 13.971 min Scan# 3804
Delta R.T. 0.125 min
Lab File: VN065108.D
Acq: 14 Dec 2020 18:17

Tgt Ion:117 Resp: 525
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#

