

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122420\
 Data File : VN065262.D
 Acq On : 24 Dec 2020 15:28
 Operator : JC/MD
 Sample : L5139-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 25 02:38:26 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

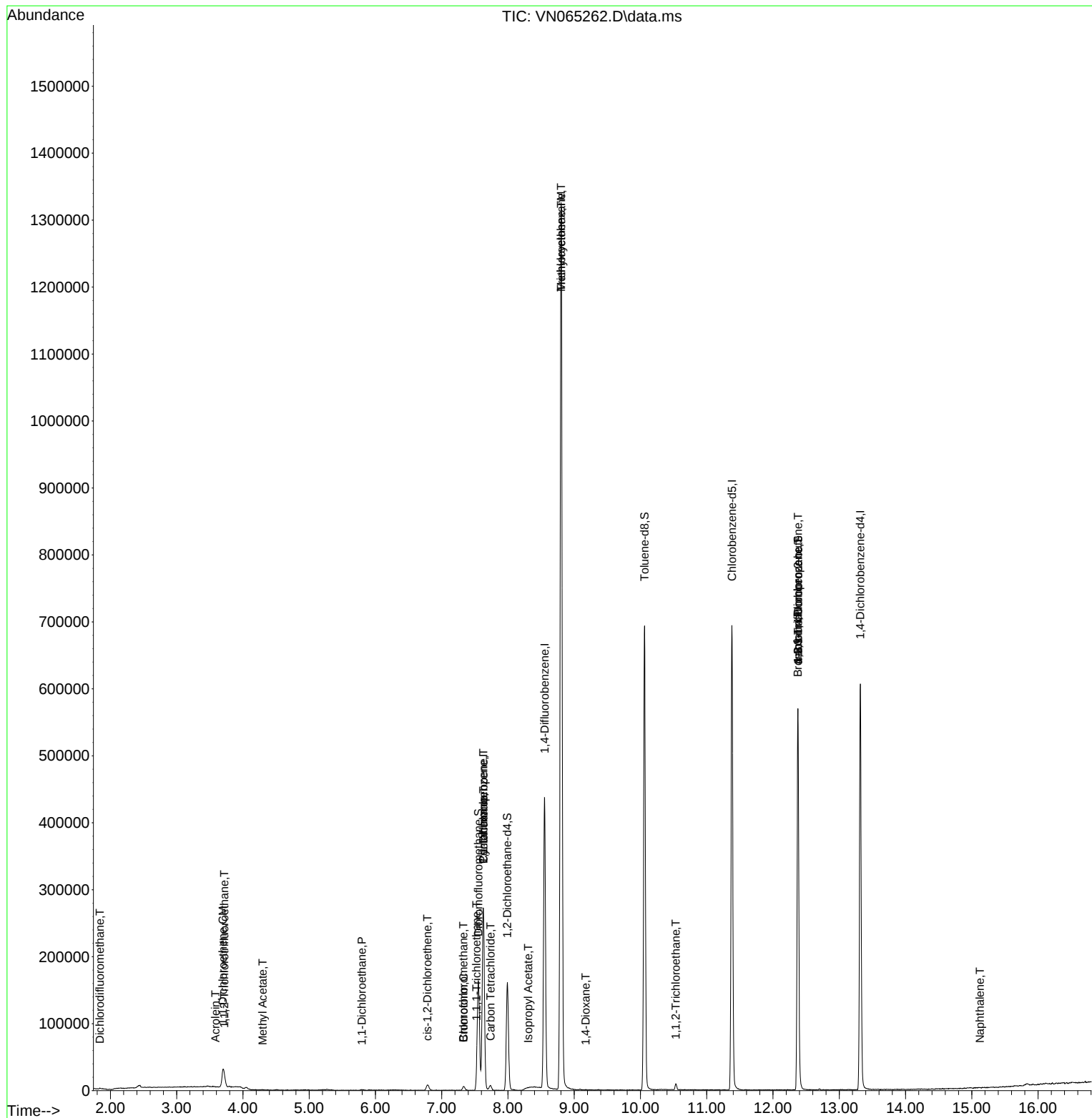
Internal Standards						
1) Pentafluorobenzene	7.627	168	245274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	399280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	417993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	179673	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	141721	51.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.36%			
35) Dibromofluoromethane	7.553	113	122565	50.88	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.76%			
50) Toluene-d8	10.061	98	489389	54.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.42%			
62) 4-Bromofluorobenzene	12.376	95	196983	54.64	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.840	85	913	0.40	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.718	101	7645	3.39	ug/l #	88
12) 1,1-Dichloroethene	3.698	96	10279	4.27	ug/l	98
13) Acrolein	3.586	56	63	2.61	ug/l #	7
16) Acetone	3.775	43	286	Below Cal	#	45
18) Methyl Acetate	4.300	43	737	0.30	ug/l #	50
24) 1,1-Dichloroethane	5.795	63	2302	0.53	ug/l #	82
27) cis-1,2-Dichloroethene	6.785	96	6086	2.21	ug/l	86
28) Bromochloromethane	7.325	49	331	0.81	ug/l #	10
30) Chloroform	7.332	83	6781	1.52	ug/l	94
31) Cyclohexane	7.627	56	4256	1.04	ug/l #	19
32) 1,1,1-Trichloroethane	7.524	97	1357	0.34	ug/l #	37
36) 1,1-Dichloropropene	7.627	75	15312	4.22	ug/l #	49
38) Carbon Tetrachloride	7.737	117	5879	1.54	ug/l	96
39) Methylcyclohexane	8.801	83	5854	1.34	ug/l #	1
43) Isopropyl Acetate	8.306	43	6205	1.00	ug/l #	59
44) Trichloroethene	8.801	130	508255	163.03	ug/l	98
49) 1,4-Dioxane	9.174	88	306	6.27	ug/l #	51
55) 1,1,2-Trichloroethane	10.534	97	3334	1.24	ug/l	87
71) Bromoform	12.373	173	1126	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	100131	27.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.376	75	100131	68.88	ug/l #	15
95) Naphthalene	15.122	128	333	3.41	ug/l #	69

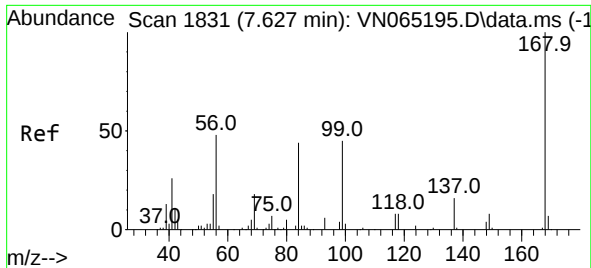
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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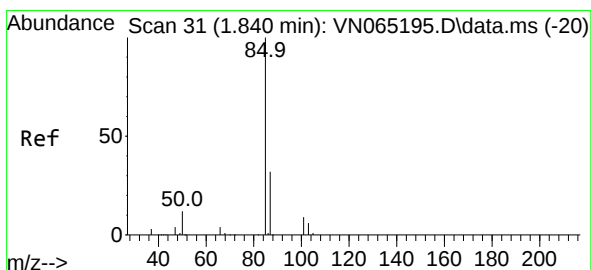
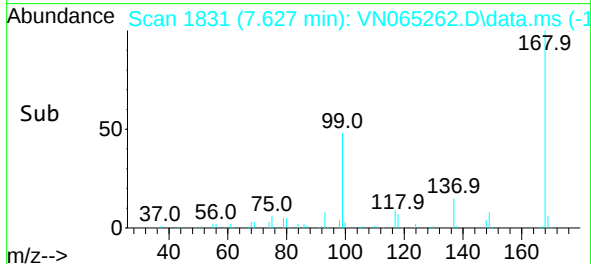
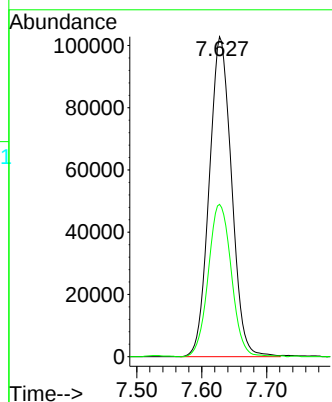
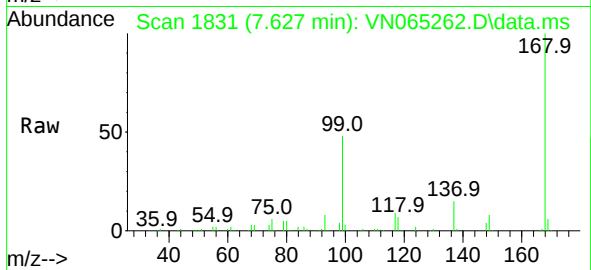




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

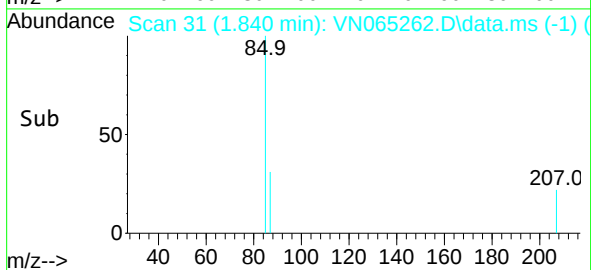
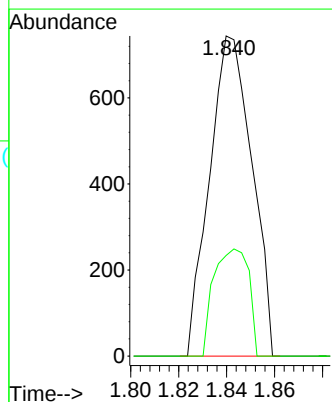
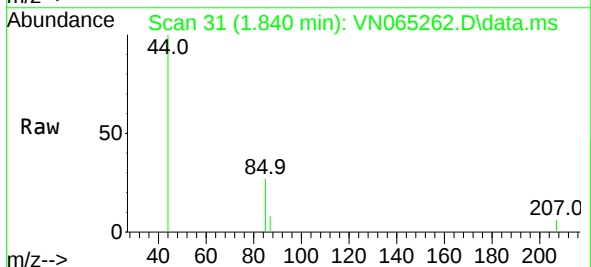
Instrument :
MSVOA_N
ClientSampleId :

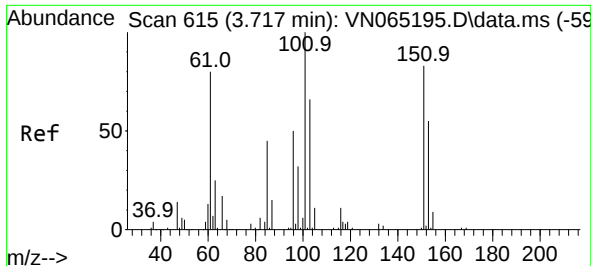
Tgt Ion:168 Resp: 245274
Ion Ratio Lower Upper
168 100
99 47.6 43.0 64.4



#2
Dichlorodifluoromethane
Concen: 0.40 ug/l
RT: 1.840 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 85 Resp: 913
Ion Ratio Lower Upper
85 100
87 31.5 16.4 49.4

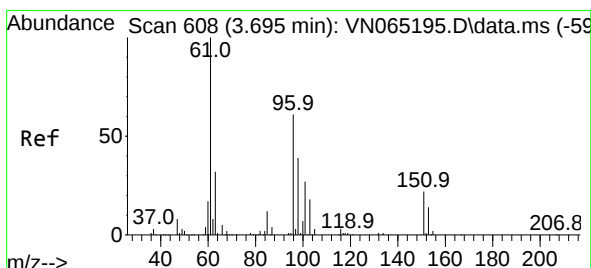
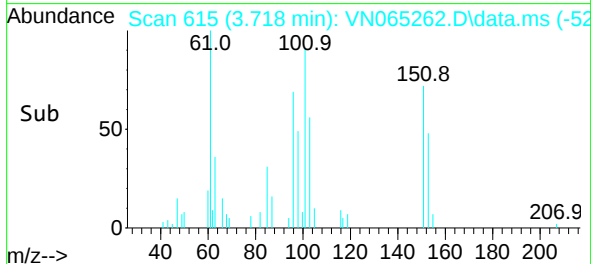
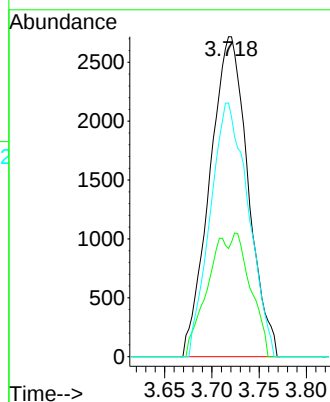
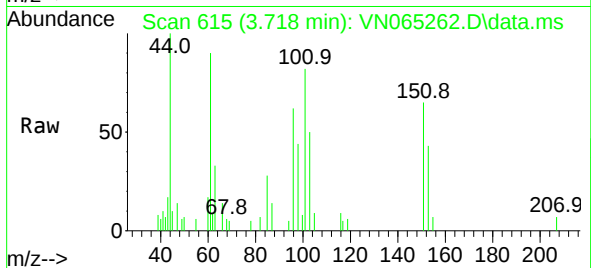




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.39 ug/l
RT: 3.718 min Scan# 615
Delta R.T. 0.001 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

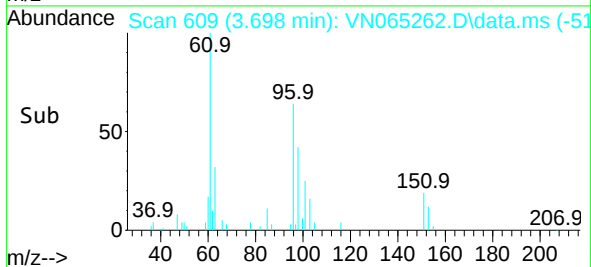
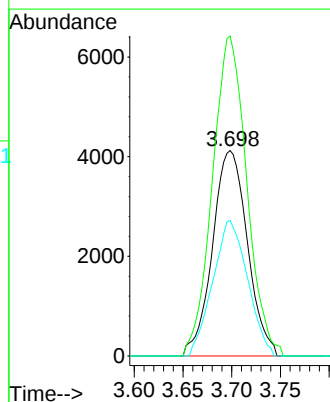
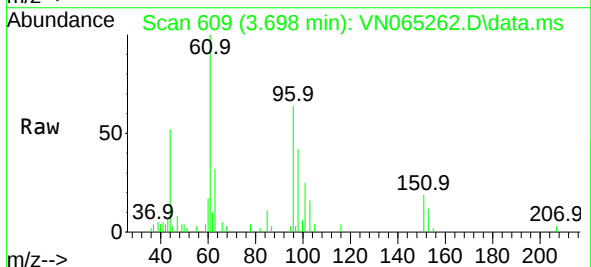
Instrument :
MSVOA_N
ClientSampled :

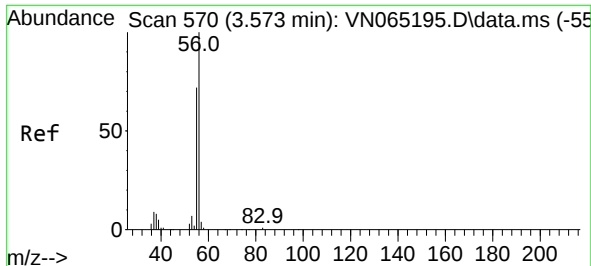
Tgt Ion:101 Resp: 7645
Ion Ratio Lower Upper
101 100
85 22.1 34.4 51.6#
151 78.9 64.0 96.0



#12
1,1-Dichloroethene
Concen: 4.27 ug/l
RT: 3.698 min Scan# 609
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 96 Resp: 10279
Ion Ratio Lower Upper
96 100
61 155.8 123.4 185.2
98 66.0 49.8 74.8

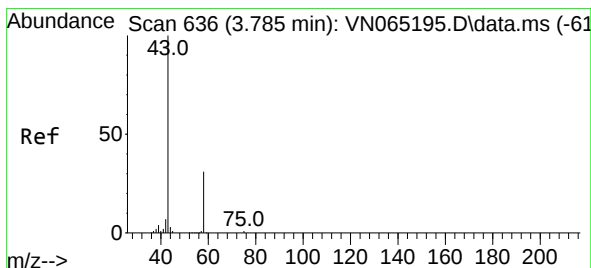
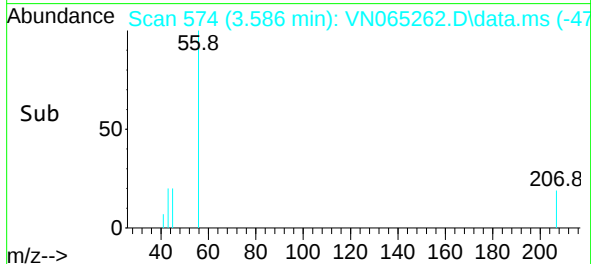
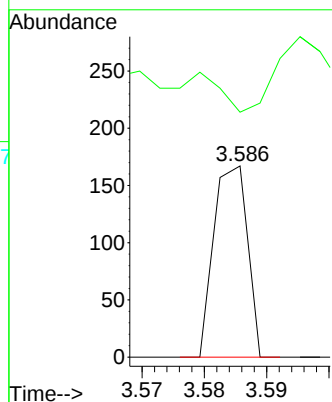
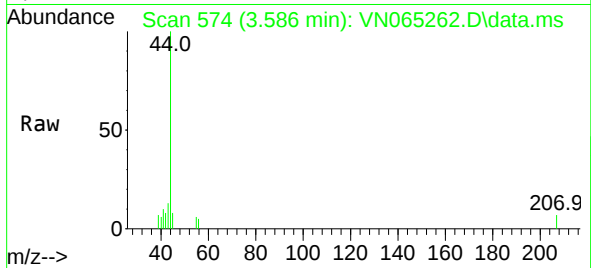




#13
Acrolein
Concen: 2.61 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.013 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

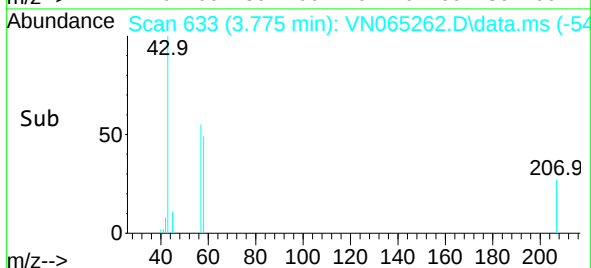
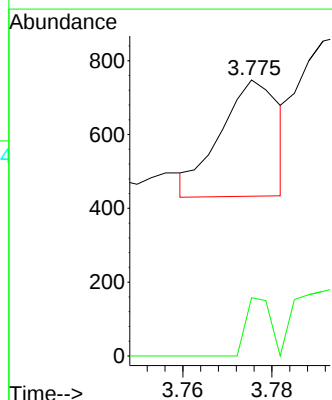
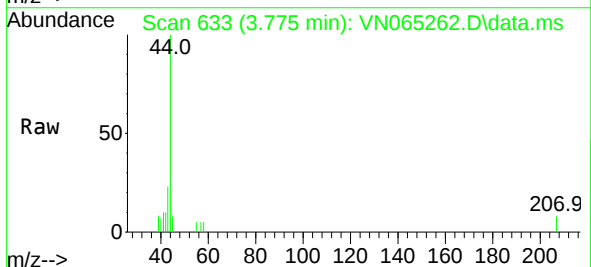
Instrument :
MSVOA_N
ClientSampled :

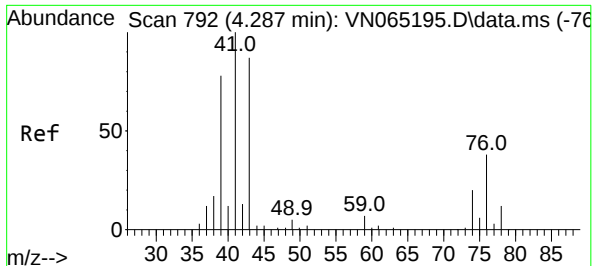
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 147.6 56.5 84.7#



#16
Acetone
Concen: Below Cal
RT: 3.775 min Scan# 633
Delta R.T. -0.010 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
58 62.7 25.7 38.5#





#18

Methyl Acetate

Concen: 0.30 ug/l

RT: 4.300 min Scan# 796

Delta R.T. 0.013 min

Lab File: VN065262.D

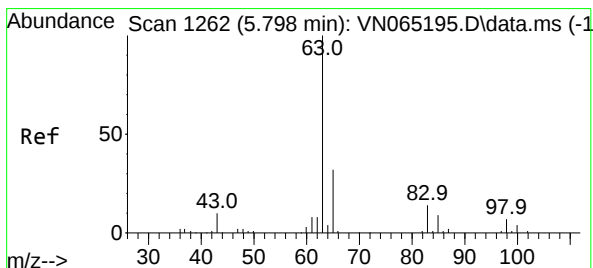
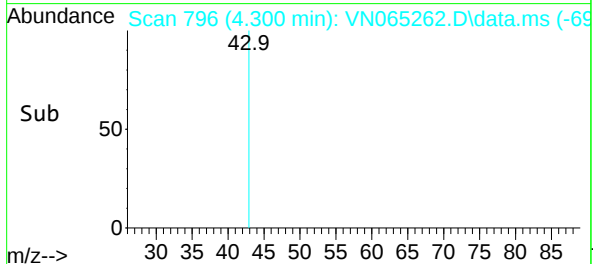
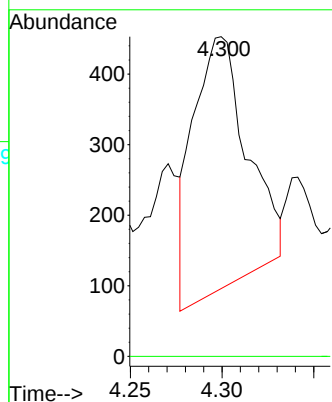
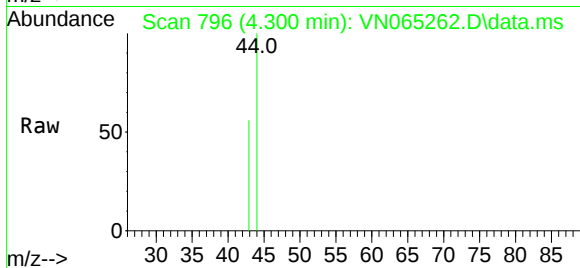
Acq: 24 Dec 2020 15:28

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#24

1,1-Dichloroethane

Concen: 0.53 ug/l

RT: 5.795 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VN065262.D

Acq: 24 Dec 2020 15:28

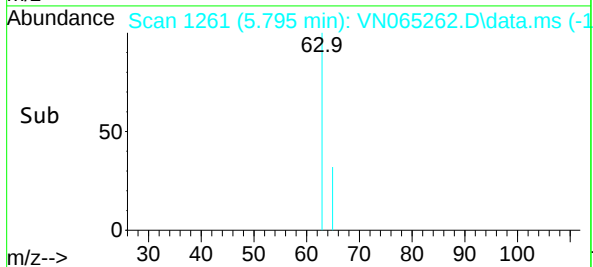
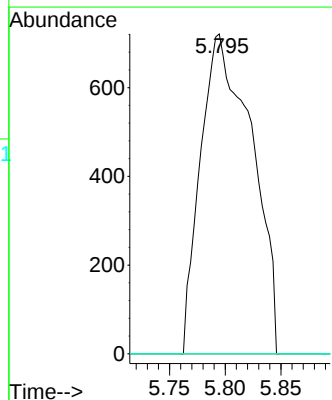
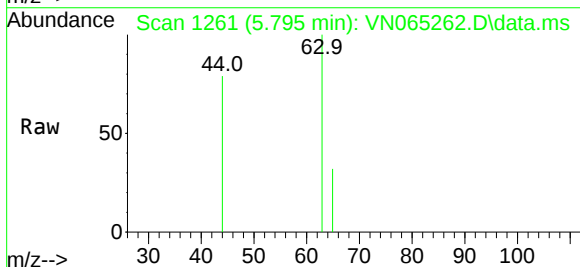
Tgt Ion: 63 Resp: 2302

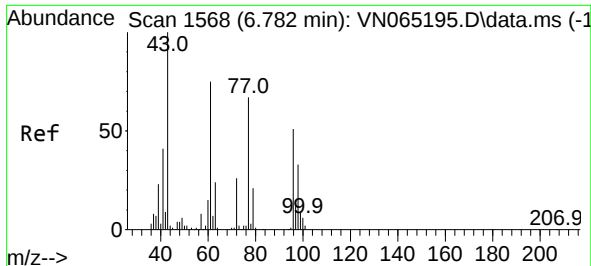
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

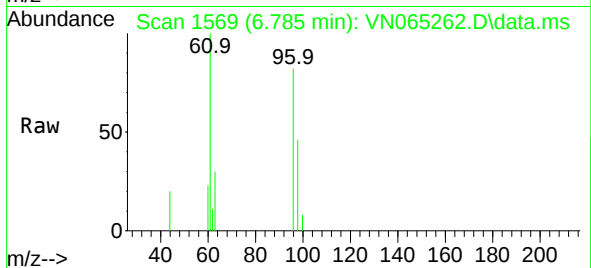
100 0.0 2.3 6.8#



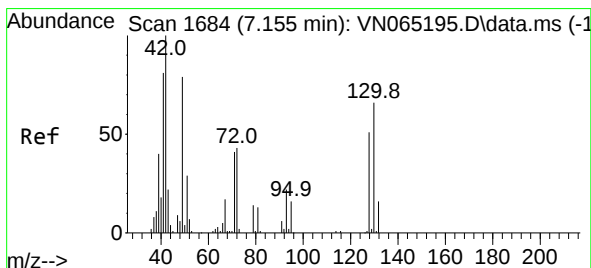
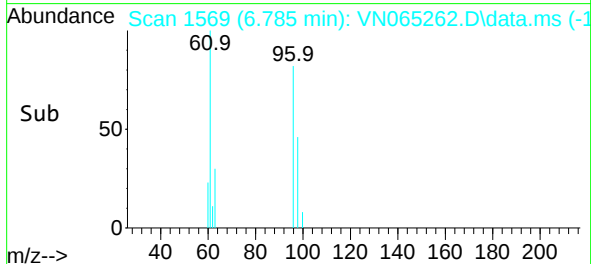
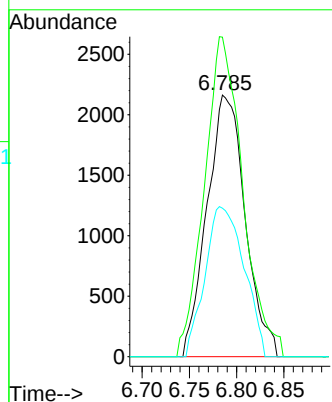


#27
 cis-1,2-Dichloroethene
 Concen: 2.21 ug/l
 RT: 6.785 min Scan# 1569
 Delta R.T. 0.003 min
 Lab File: VN065262.D
 Acq: 24 Dec 2020 15:28

Instrument :
 MSVOA_N
 ClientSampled :

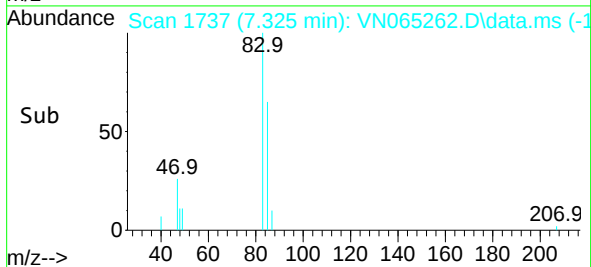
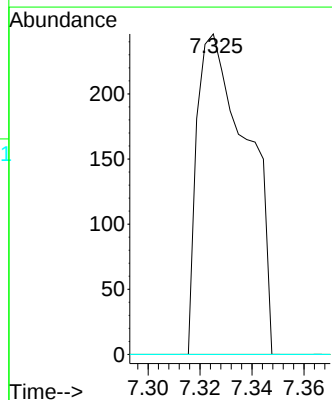
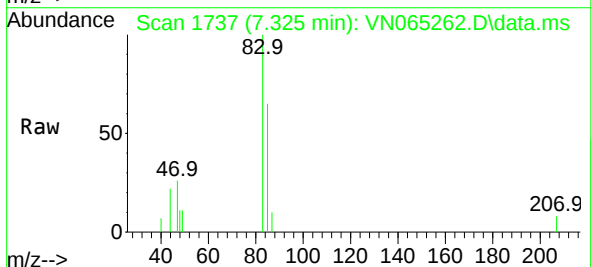


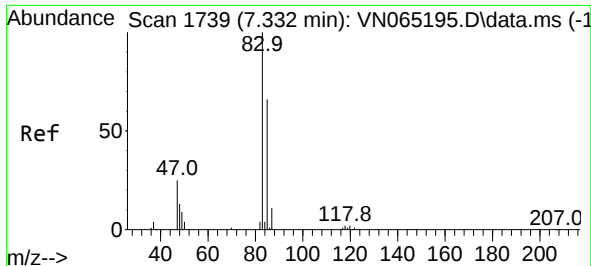
Tgt Ion:	96	Resp:	6086
Ion	Ratio	Lower	Upper
96	100		
61	122.3	0.0	285.8
98	58.4	0.0	130.6



#28
 Bromochloromethane
 Concen: 0.81 ug/l
 RT: 7.325 min Scan# 1737
 Delta R.T. 0.170 min
 Lab File: VN065262.D
 Acq: 24 Dec 2020 15:28

Tgt Ion:	49	Resp:	331
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	66.2	99.2#





#30

Chloroform

Concen: 1.52 ug/l

RT: 7.332 min Scan# 1739

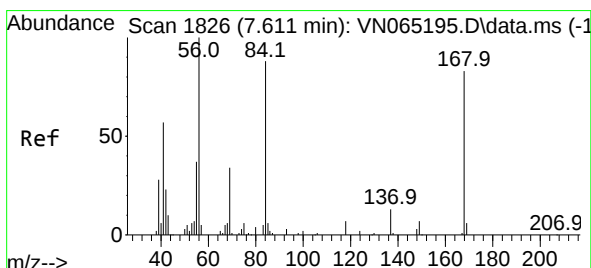
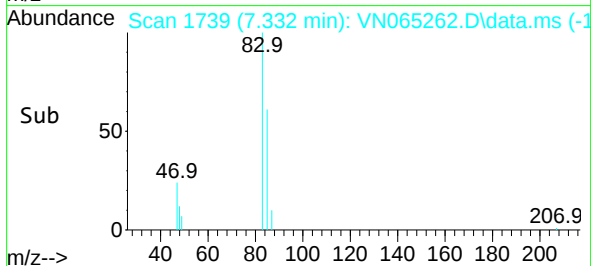
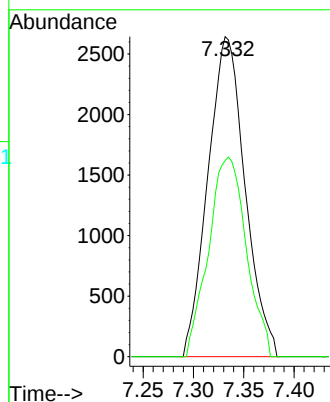
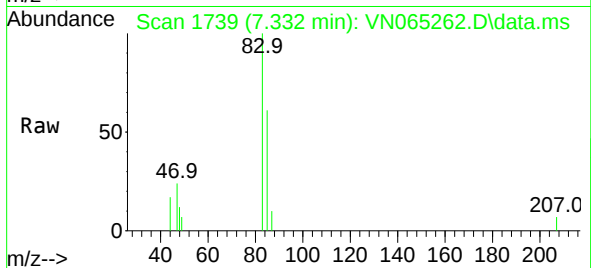
Delta R.T. -0.000 min

Lab File: VN065262.D

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MSVOA_N
ClientSampled :

Tgt Ion:	83	Resp:	6781
Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.6	78.8



#31

Cyclohexane

Concen: 1.04 ug/l

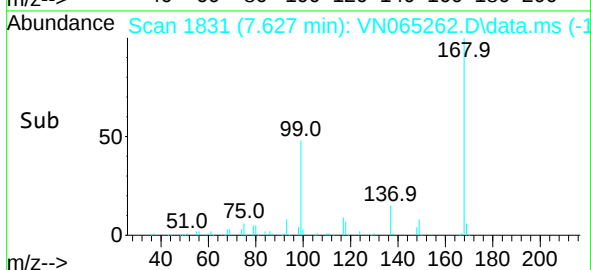
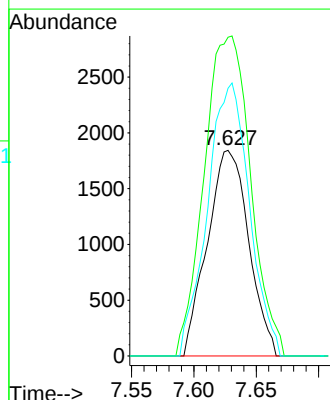
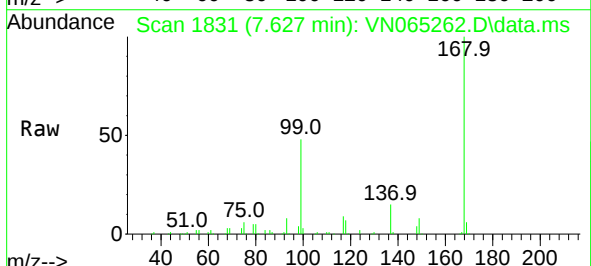
RT: 7.627 min Scan# 1831

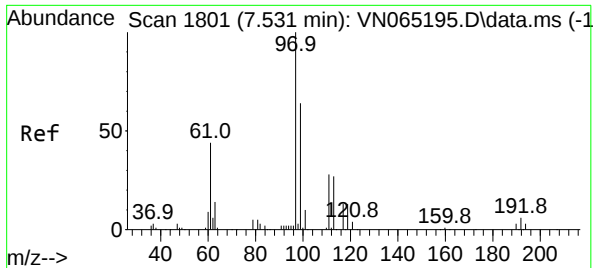
Delta R.T. 0.016 min

Lab File: VN065262.D

Acq: 24 Dec 2020 15:28

Tgt Ion:	56	Resp:	4256
Ion	Ratio	Lower	Upper
56	100		
69	145.0	27.5	41.3#
84	130.2	73.9	110.9#

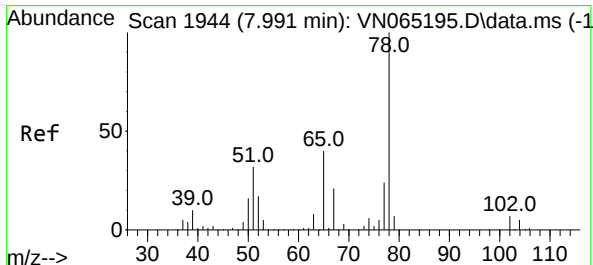
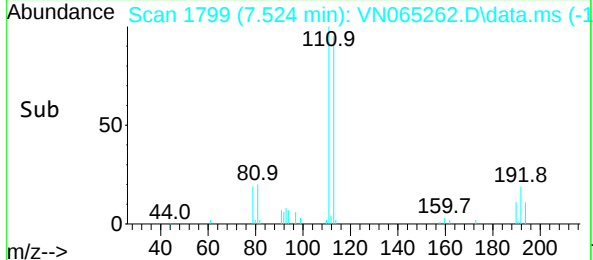
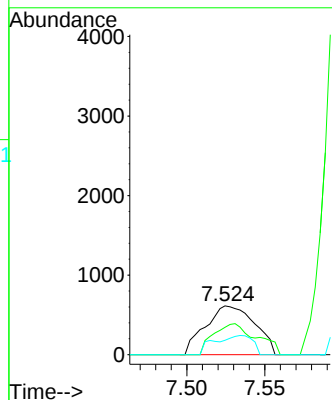
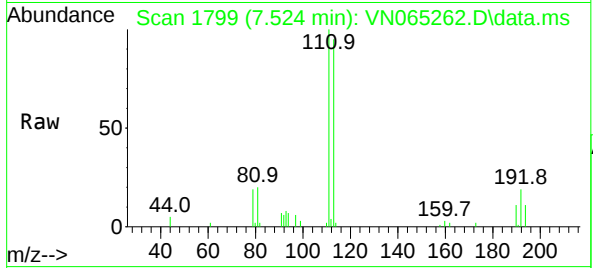




#32
1,1,1-Trichloroethane
Concen: 0.34 ug/l
RT: 7.524 min Scan# 1799
Delta R.T. -0.007 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

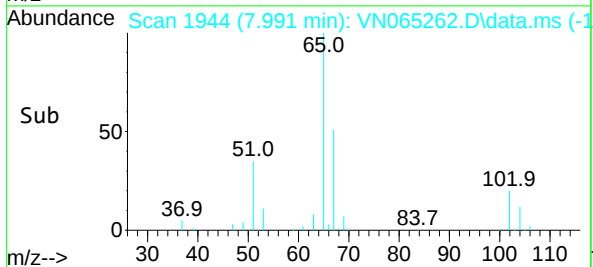
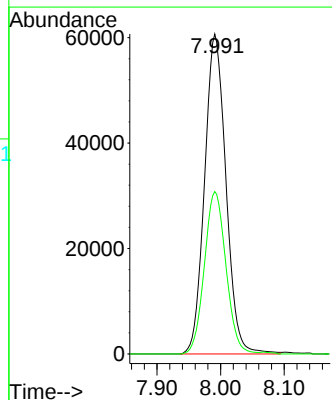
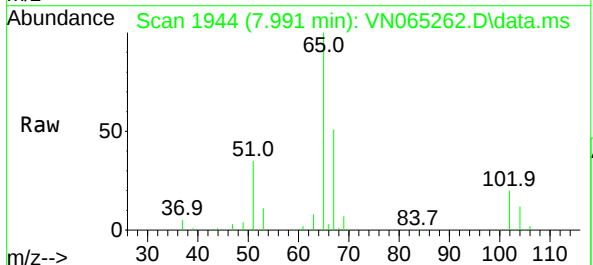
Instrument :
MSVOA_N
ClientSampled :

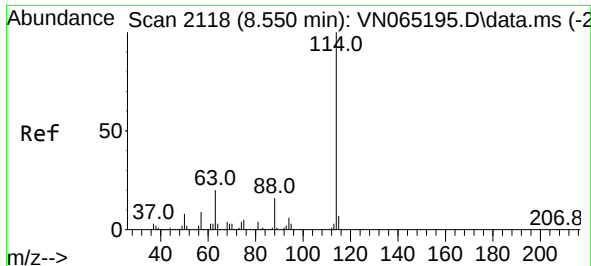
Tgt Ion: 97 Resp: 1357
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 20.8 33.9 50.9#



#33
1,2-Dichloroethane-d4
Concen: 51.18 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 65 Resp: 141721
Ion Ratio Lower Upper
65 100
67 51.2 0.0 108.2

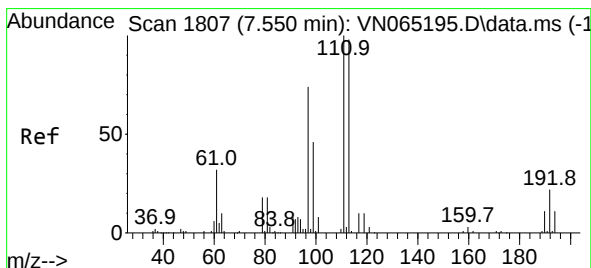
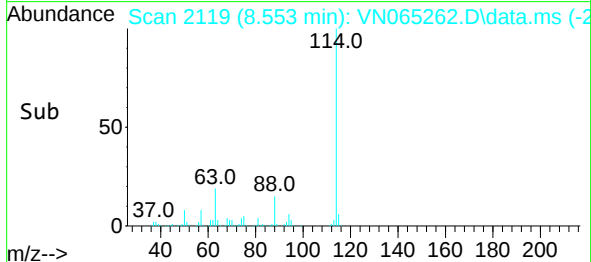
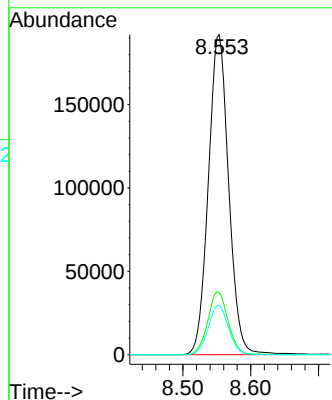
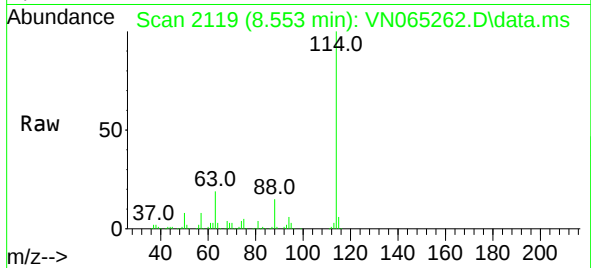




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

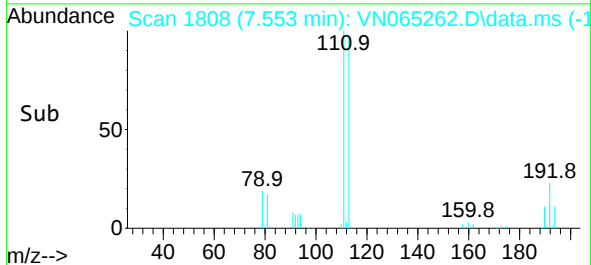
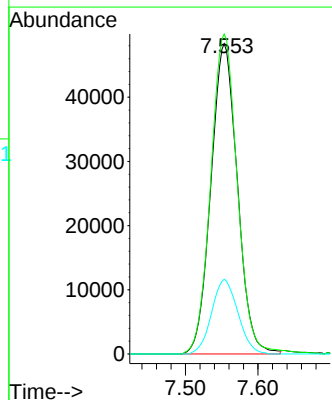
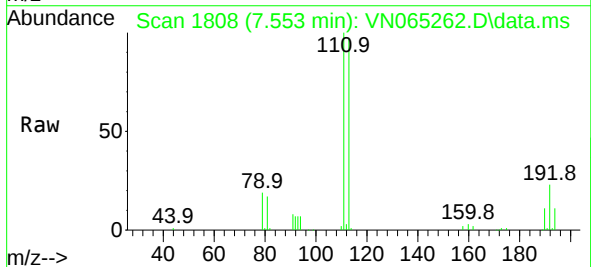
Instrument :
MSVOA_N
ClientSampled :

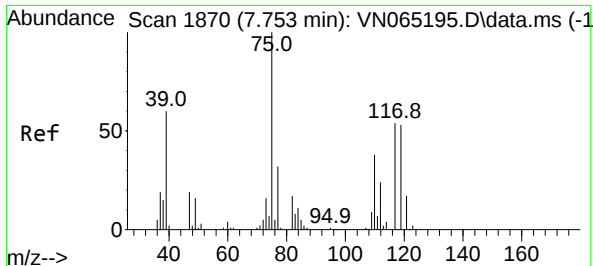
Tgt Ion:114	Resp:	399280
Ion Ratio	Lower	Upper
114	100	
63	19.5	0.0 38.6
88	15.4	0.0 32.6



#35
Dibromofluoromethane
Concen: 50.88 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion:113	Resp:	122565
Ion Ratio	Lower	Upper
113	100	
111	104.0	81.6 122.4
192	23.9	16.2 24.2

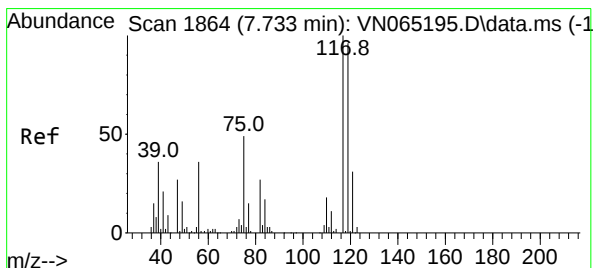
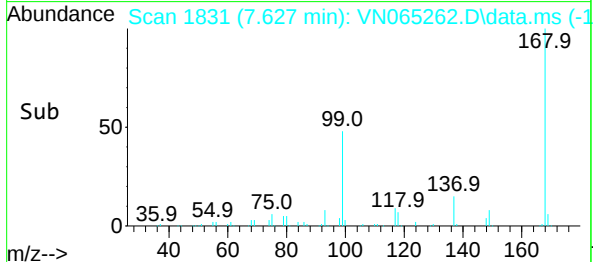
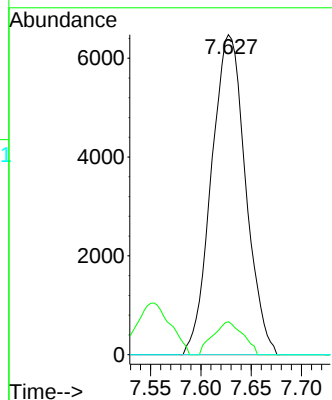
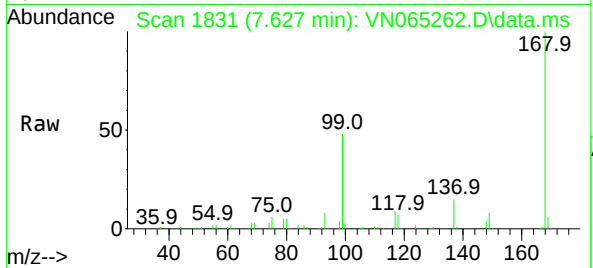




#36
1,1-Dichloropropene
Concen: 4.22 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

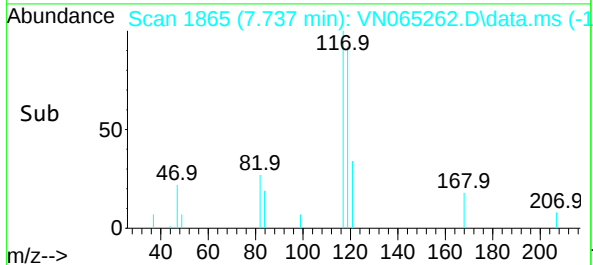
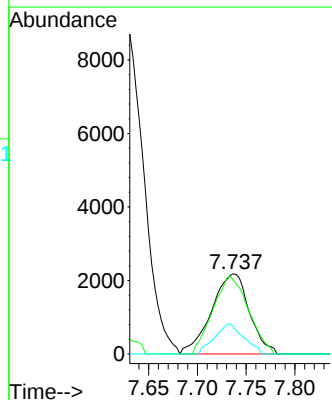
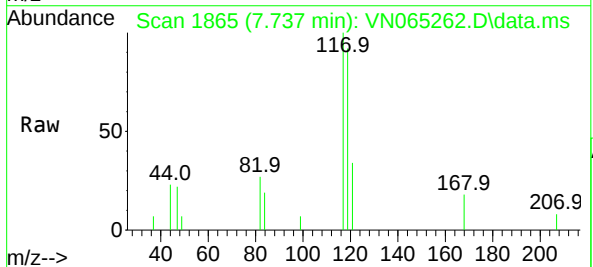
Instrument :
MSVOA_N
ClientSampleId :

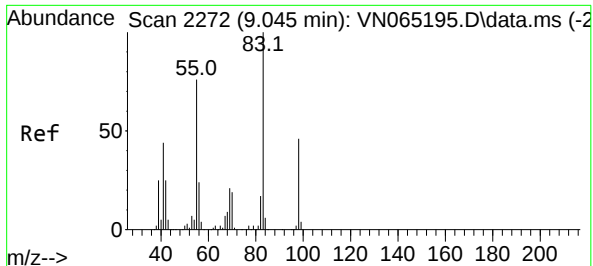
Tgt Ion: 75 Resp: 15312
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 1.54 ug/l
RT: 7.737 min Scan# 1865
Delta R.T. 0.004 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

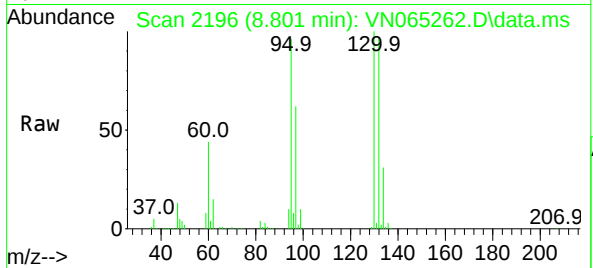
Tgt Ion: 117 Resp: 5879
Ion Ratio Lower Upper
117 100
119 92.5 76.7 115.1
121 34.1 25.4 38.2



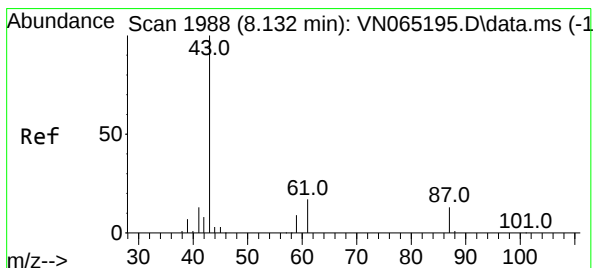
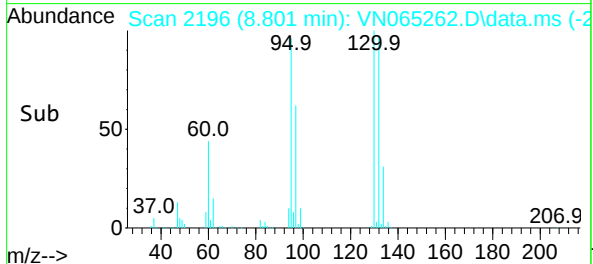
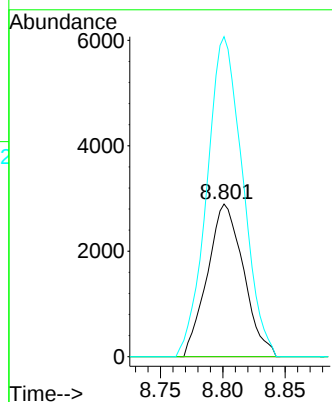


#39
Methylcyclohexane
Concen: 1.34 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.244 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

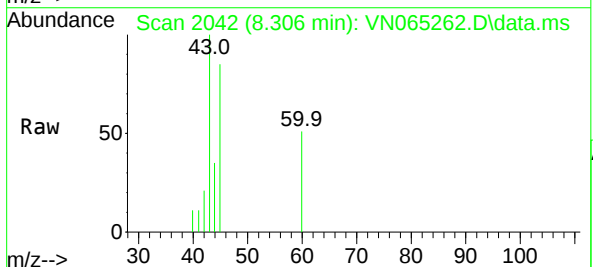
Instrument :
MSVOA_N
ClientSampled :



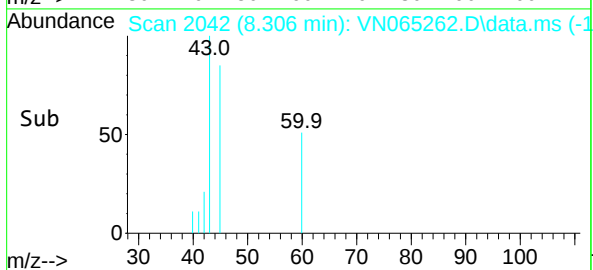
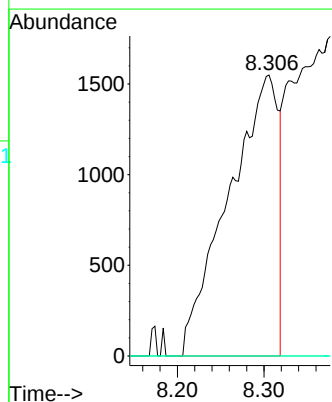
Tgt Ion: 83 Resp: 5854
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 209.6 37.4 56.2#

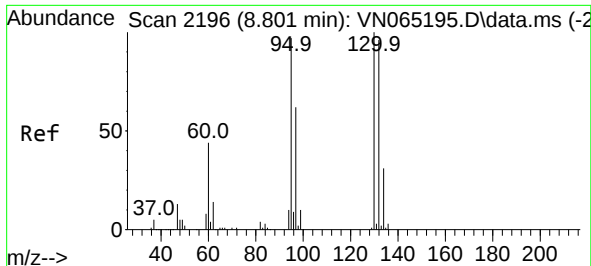


#43
Isopropyl Acetate
Concen: 1.00 ug/l
RT: 8.306 min Scan# 2042
Delta R.T. 0.174 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28



Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
61 0.0 17.2 25.8#
87 0.0 11.4 17.0#

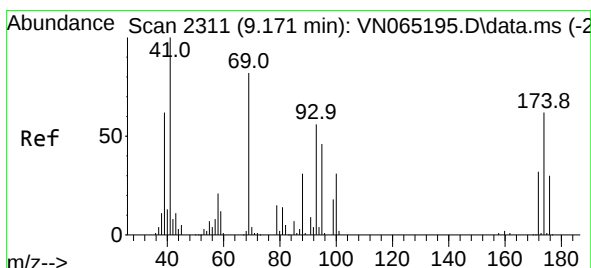
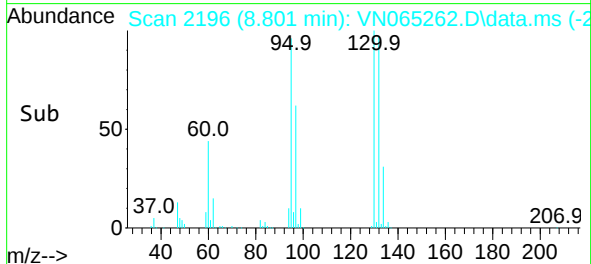
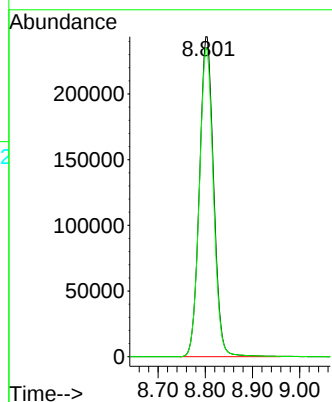
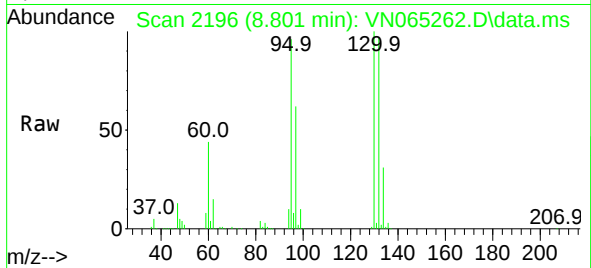




#44
Trichloroethene
Concen: 163.03 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

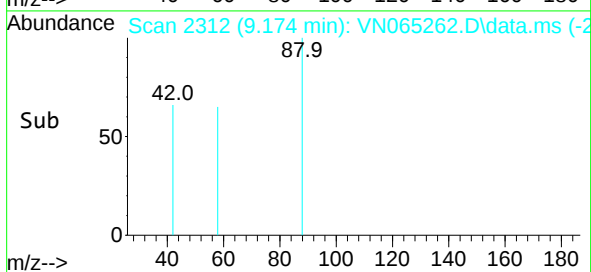
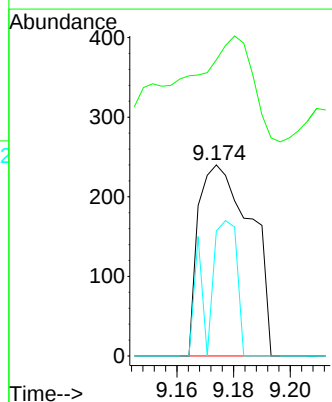
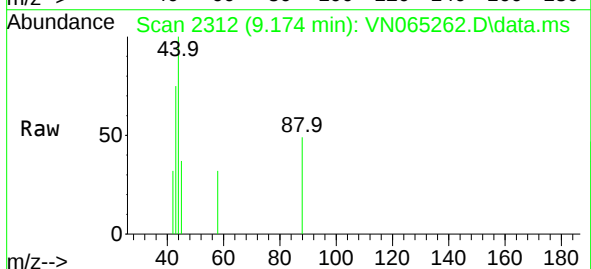
Instrument :
MSVOA_N
ClientSampled :

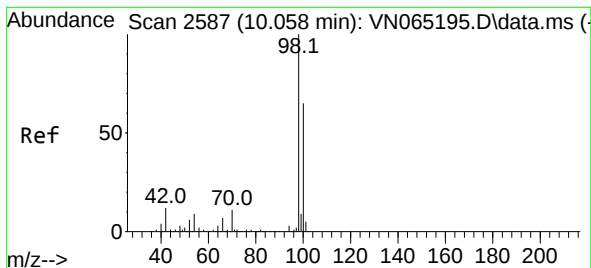
Tgt Ion:130 Resp: 508255
Ion Ratio Lower Upper
130 100
95 96.4 0.0 197.8



#49
1,4-Dioxane
Concen: 6.27 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 88 Resp: 306
Ion Ratio Lower Upper
88 100
43 76.8 24.2 36.4#
58 40.2 52.5 78.7#

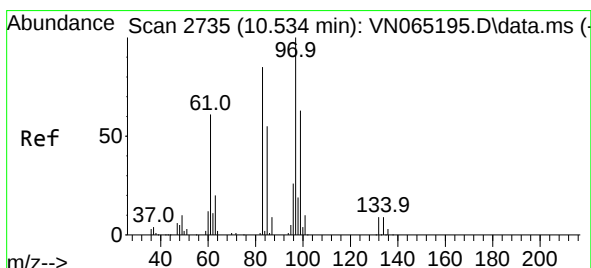
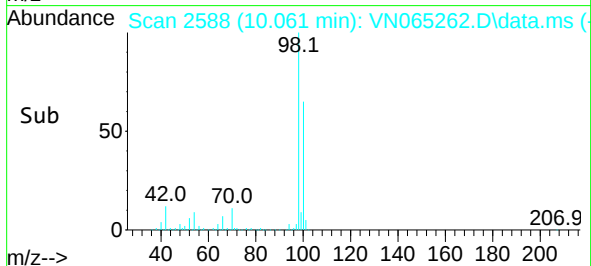
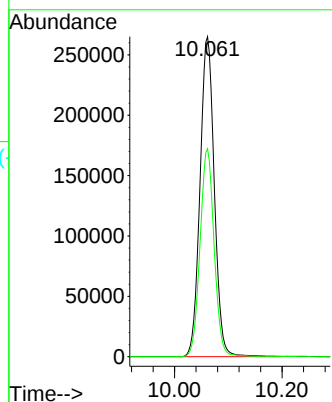
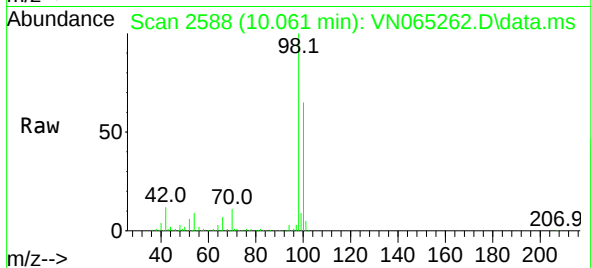




#50
Toluene-d8
Concen: 54.21 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

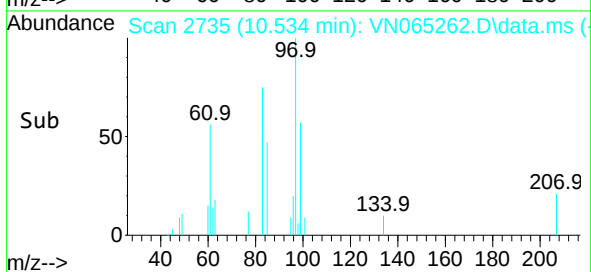
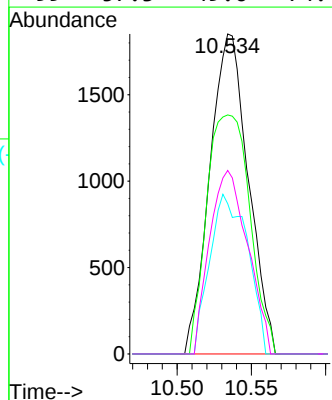
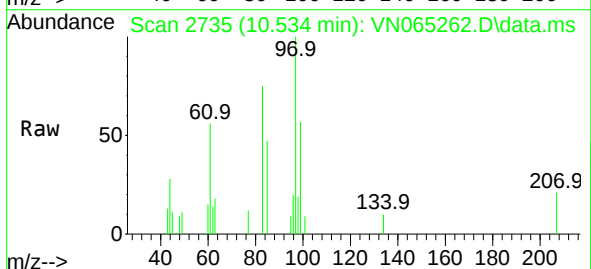
Instrument :
MSVOA_N
ClientSampled :

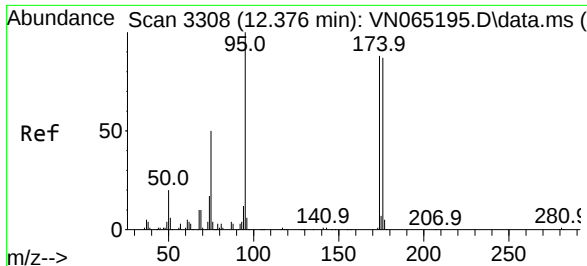
Tgt Ion: 98 Resp: 489389
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#55
1,1,2-Trichloroethane
Concen: 1.24 ug/l
RT: 10.534 min Scan# 2735
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 97 Resp: 3334
Ion Ratio Lower Upper
97 100
83 74.7 72.1 108.1
85 46.9 46.8 70.2
99 57.3 49.6 74.4

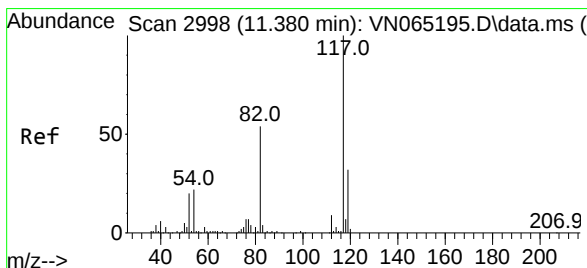
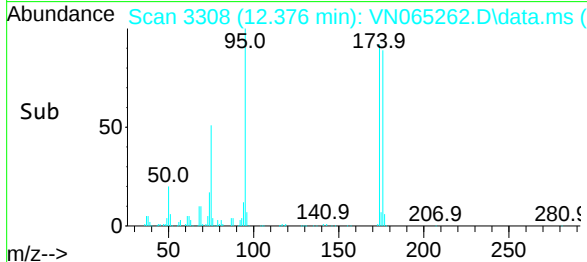
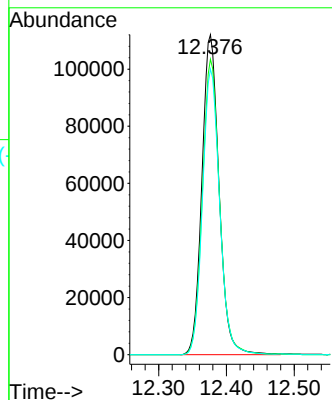
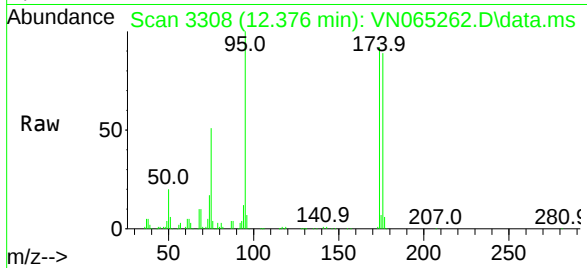




#62
4-Bromofluorobenzene
Concen: 54.64 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

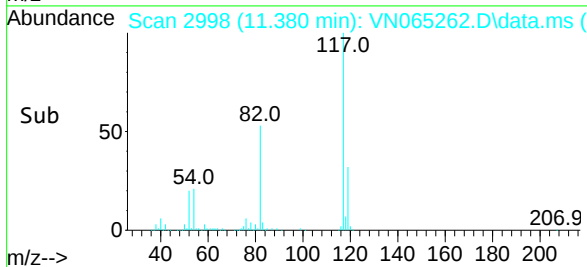
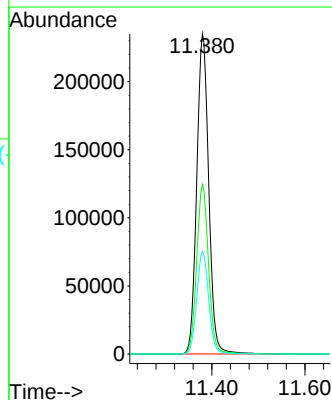
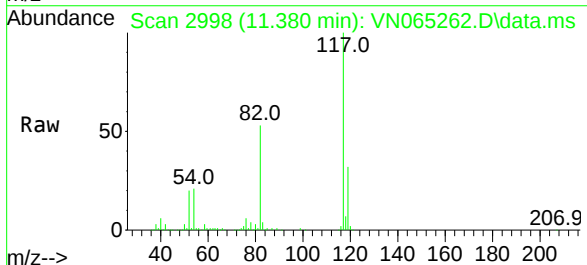
Instrument :
MSVOA_N
ClientSampleId :

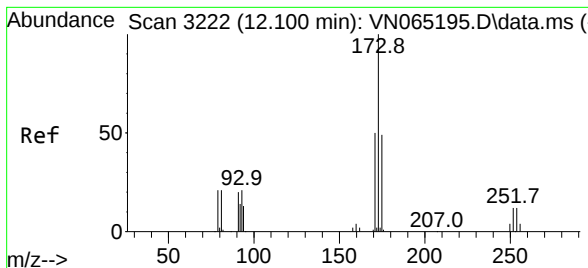
Tgt Ion: 95 Resp: 196983
Ion Ratio Lower Upper
95 100
174 92.3 0.0 160.4
176 89.1 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 117 Resp: 417993
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.0 25.8 38.6





#71

Bromoform

Concen: 0.40 ug/l

RT: 12.373 min Scan# 3307

Delta R.T. 0.273 min

Lab File: VN065262.D

Acq: 24 Dec 2020 15:28

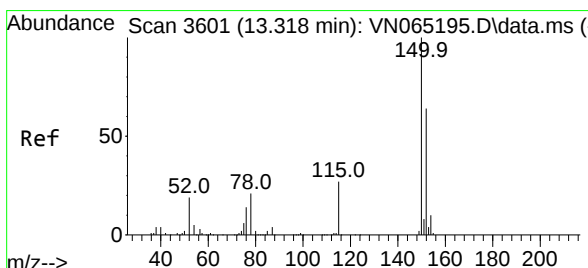
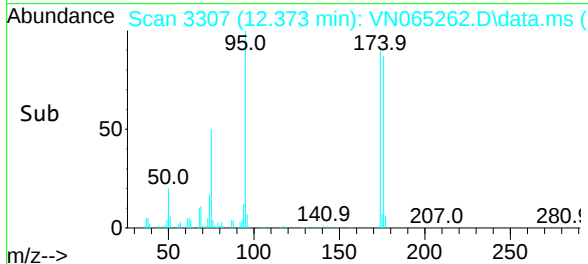
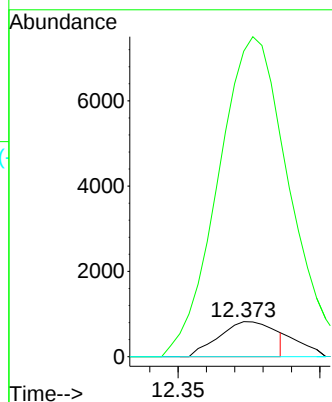
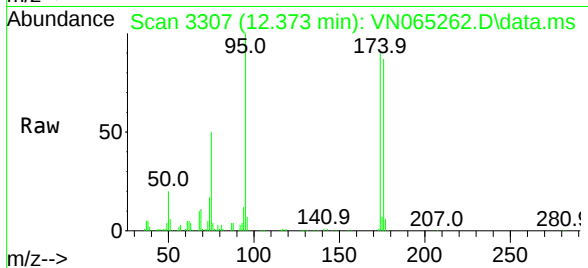
Tgt Ion:173 Resp: 1126

Ion Ratio Lower Upper

173 100

175 948.8 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. 0.000 min

Lab File: VN065262.D

Acq: 24 Dec 2020 15:28

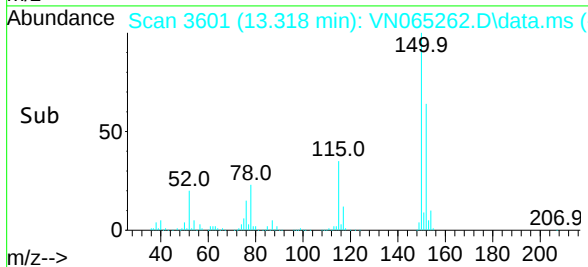
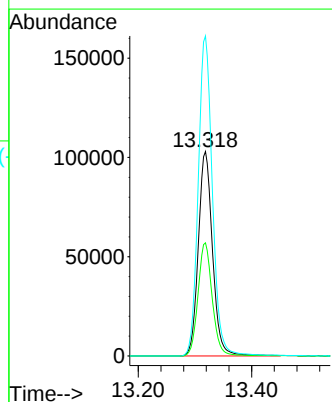
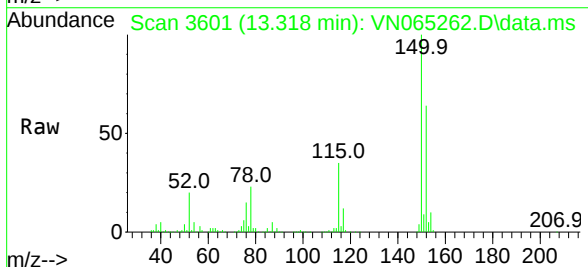
Tgt Ion:152 Resp: 179673

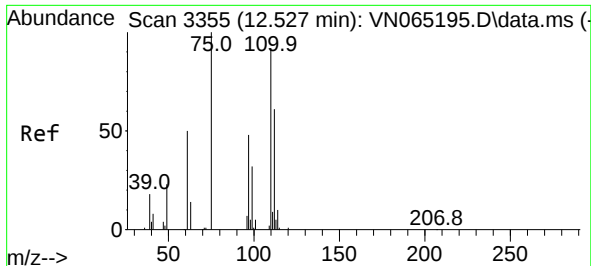
Ion Ratio Lower Upper

152 100

115 55.1 29.7 89.1

150 155.9 0.0 350.6

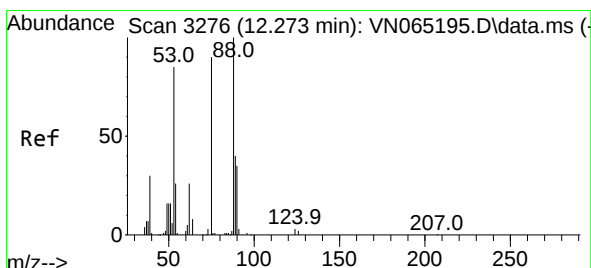
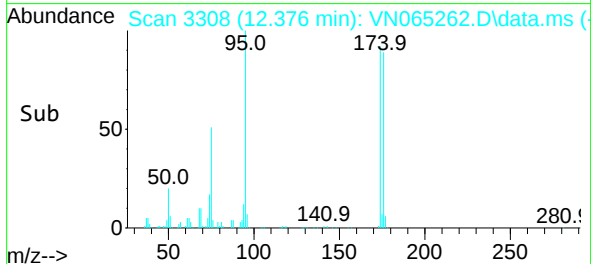
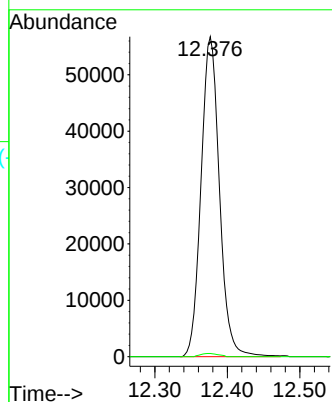
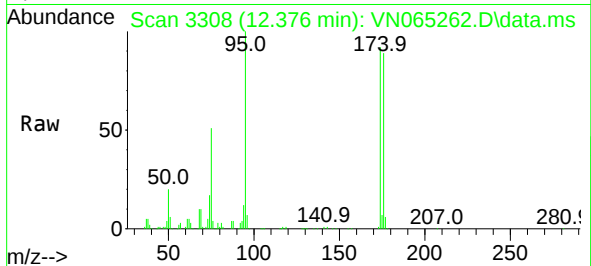




#76
1,2,3-Trichloropropane
Concen: 27.32 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

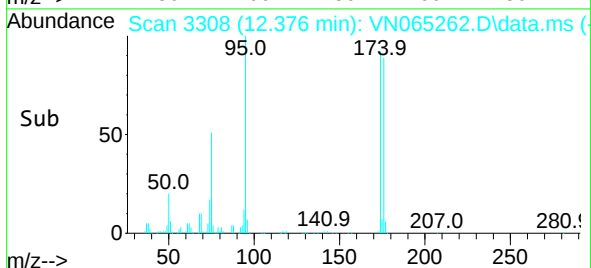
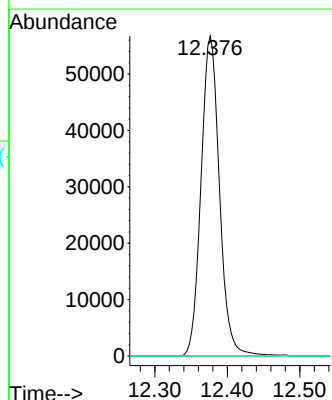
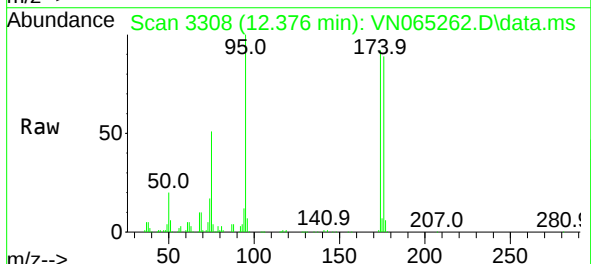
Instrument :
MSVOA_N
ClientSampleId :

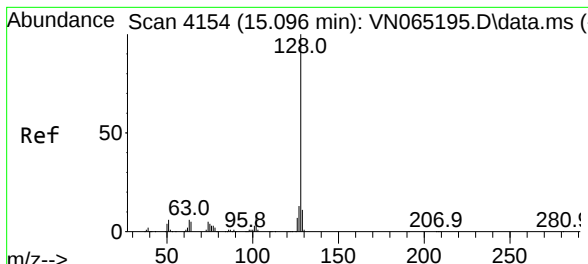
Tgt Ion: 75 Resp: 100131
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.88 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065262.D
Acq: 24 Dec 2020 15:28

Tgt Ion: 75 Resp: 100131
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#





#95
 Naphthalene
 Concen: 3.41 ug/l
 RT: 15.122 min Scan# 4162
 Delta R.T. 0.026 min
 Lab File: VN065262.D
 Acq: 24 Dec 2020 15:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	128	Resp:	333
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

