

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065958.D
 Acq On : 22 Feb 2021 14:33
 Operator : JC/MD
 Sample : M1450-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 22 15:13:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

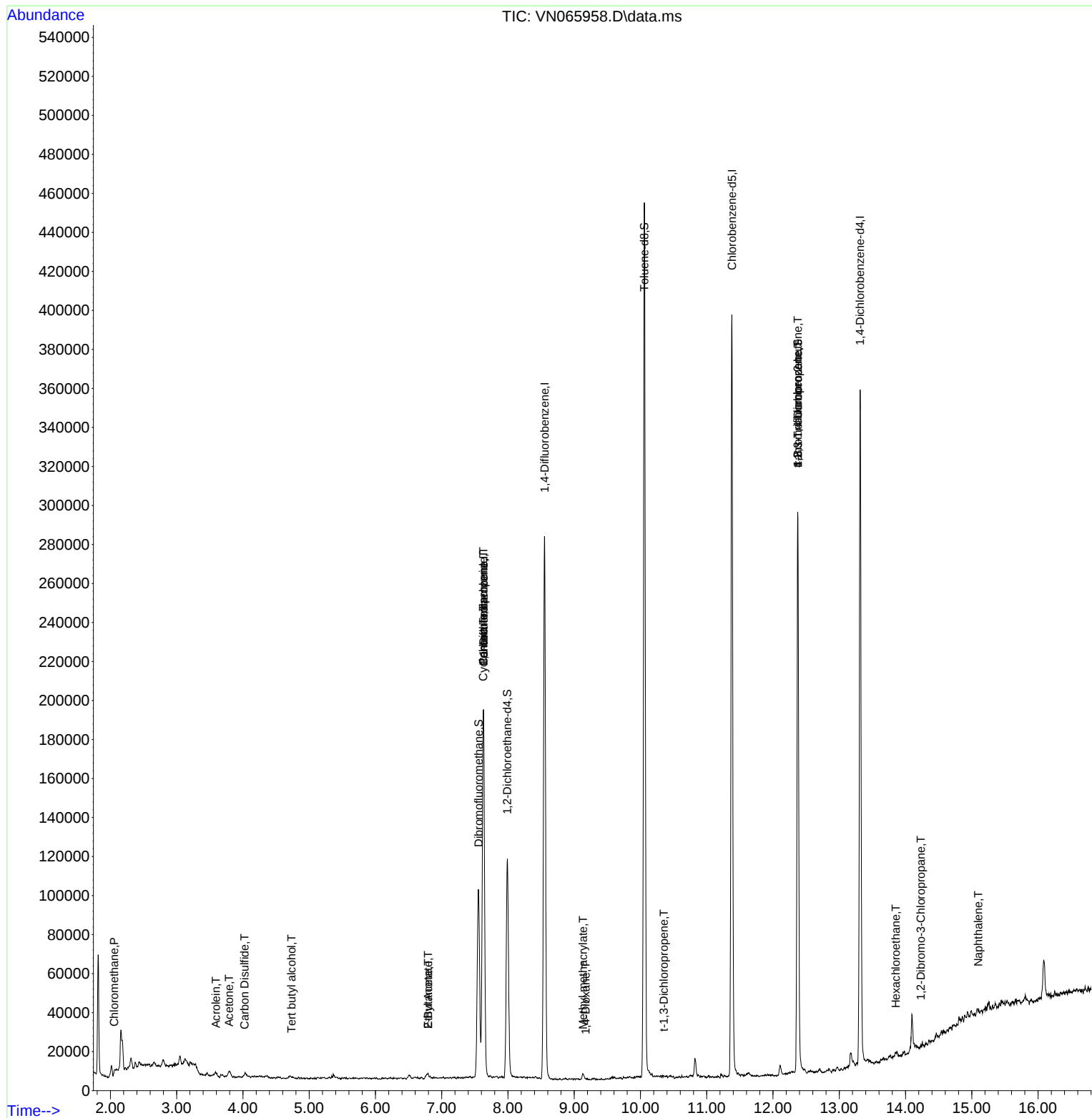
Internal Standards						
1) Pentafluorobenzene	7.631	168	155679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	259719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	236966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	98005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	101022	46.40	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.80%		
35) Dibromofluoromethane	7.557	113	76195	47.40	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.80%		
50) Toluene-d8	10.058	98	320631	48.59	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.18%		
62) 4-Bromofluorobenzene	12.373	95	115400	46.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.18%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.055	50	1600	0.63	ug/l	100
11) Tert butyl alcohol	4.734	59	65	0.21	ug/l #	73
13) Acrolein	3.592	56	2510	9.06	ug/l	86
16) Acetone	3.792	43	5371	6.29	ug/l	95
17) Carbon Disulfide	4.026	76	1064	0.21	ug/l #	74
25) 2-Butanone	6.795	43	1677	1.56	ug/l #	46
31) Cyclohexane	7.624	56	3095	0.95	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	12486	4.88	ug/l #	48
37) Ethyl Acetate	6.795	43	1677	0.73	ug/l #	68
38) Carbon Tetrachloride	7.627	117	15891	6.68	ug/l #	17
48) Methyl methacrylate	9.132	41	907	0.49	ug/l #	25
49) 1,4-Dioxane	9.174	88	104	3.27	ug/l #	26
53) t-1,3-Dichloropropene	10.351	75	204	2.04	ug/l #	1
76) 1,2,3-Trichloropropane	12.373	75	56079	23.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	56079	75.91	ug/l #	12
90) Hexachloroethane	13.855	117	289	0.26	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.232	75	88	1.03	ug/l #	1
95) Naphthalene	15.097	128	201	3.09	ug/l #	69

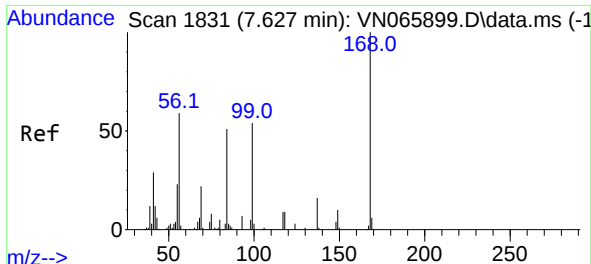
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration

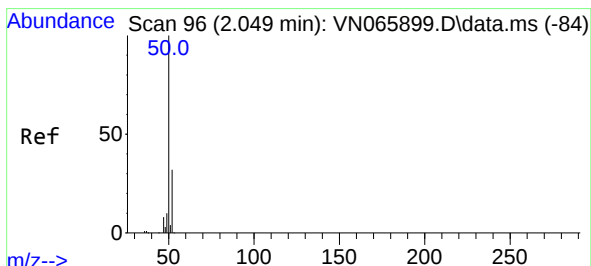
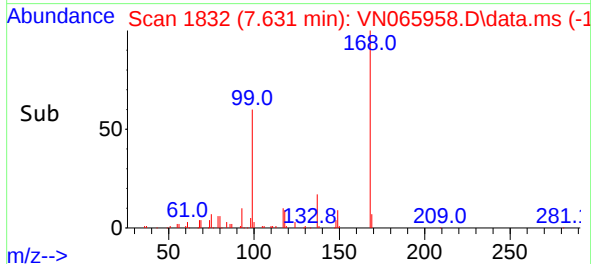
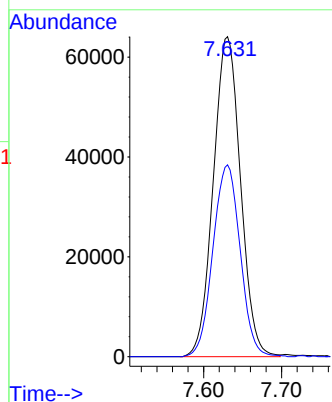
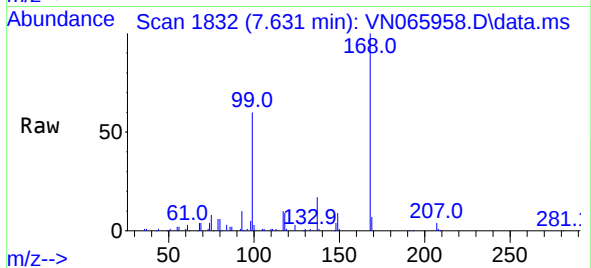




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

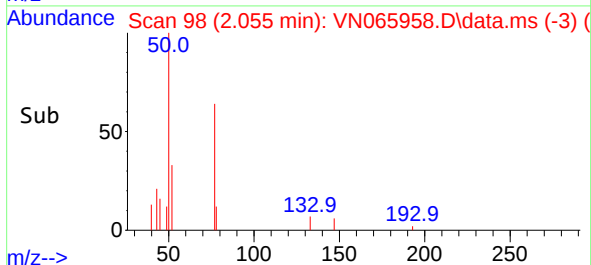
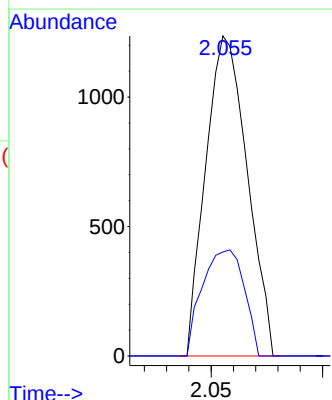
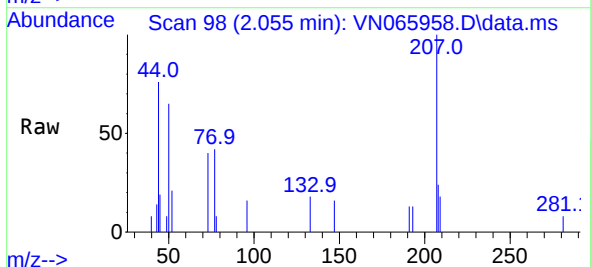
Instrument :
MSVOA_N
ClientSampleId :

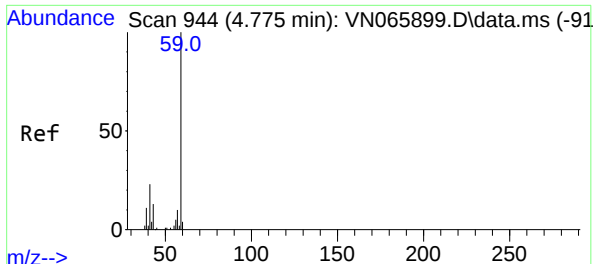
Tgt Ion:168 Resp: 155679
Ion Ratio Lower Upper
168 100
99 59.9 42.6 63.8



#3
Chloromethane
Concen: 0.63 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 50 Resp: 1600
Ion Ratio Lower Upper
50 100
52 32.5 25.8 38.8

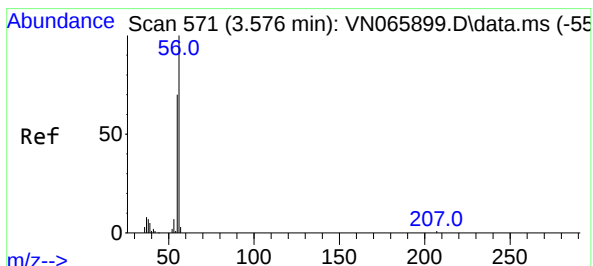
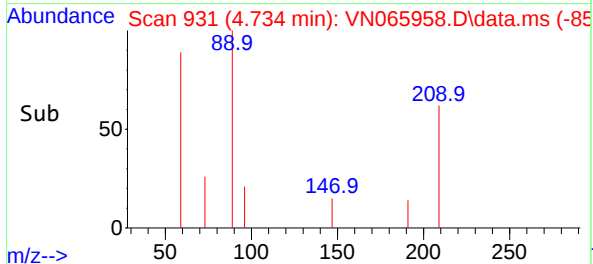
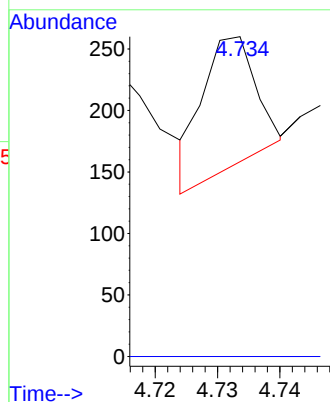
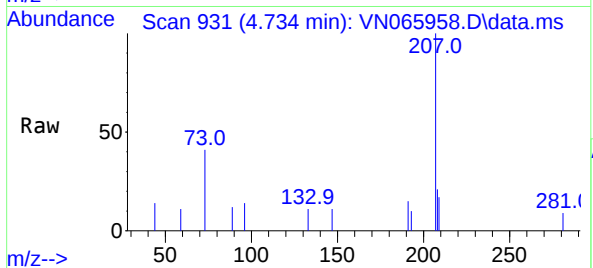




#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 4.734 min Scan# 931
Delta R.T. -0.041 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

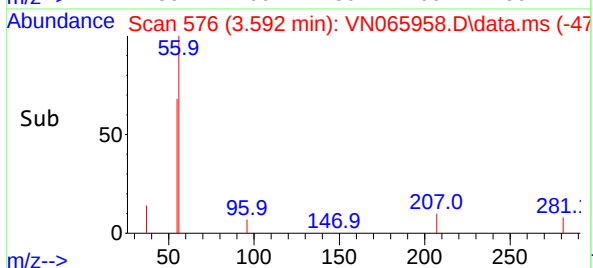
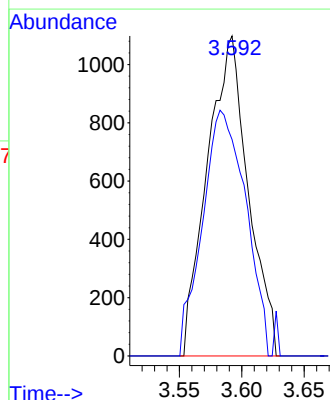
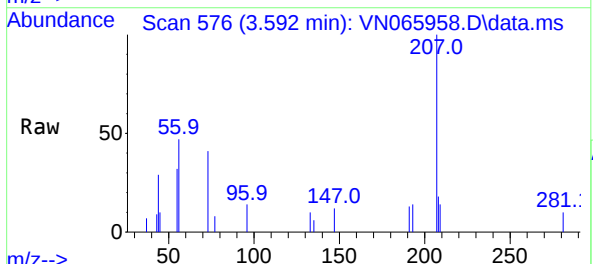
Instrument :
MSVOA_N
ClientSampled :

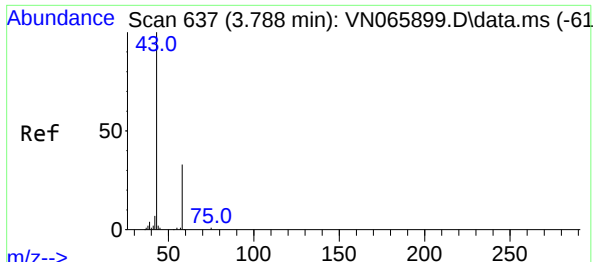
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 9.06 ug/l
RT: 3.592 min Scan# 576
Delta R.T. 0.016 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 56 Resp: 2510
Ion Ratio Lower Upper
56 100
55 81.1 56.0 84.0

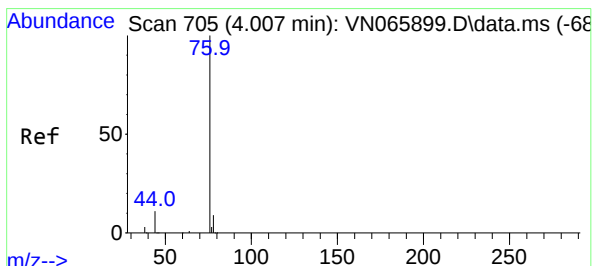
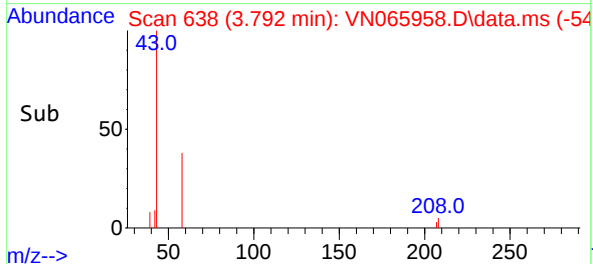
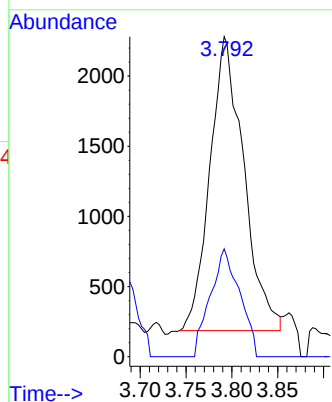
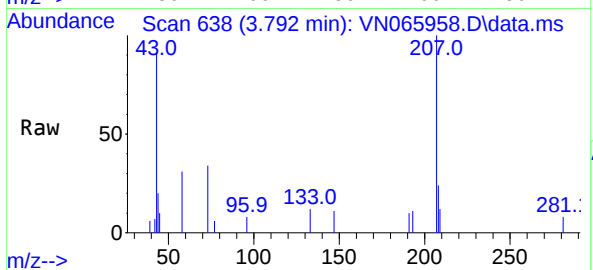




#16
Acetone
Concen: 6.29 ug/l
RT: 3.792 min Scan# 638
Delta R.T. 0.004 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

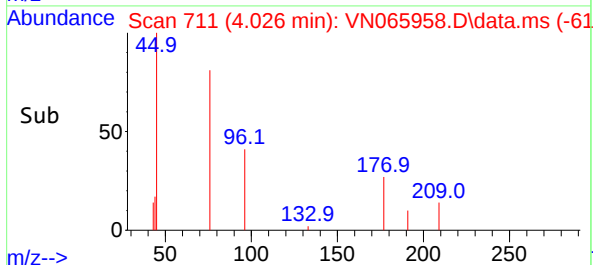
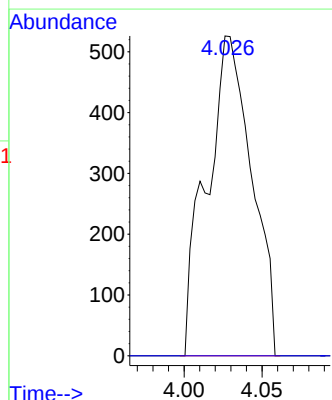
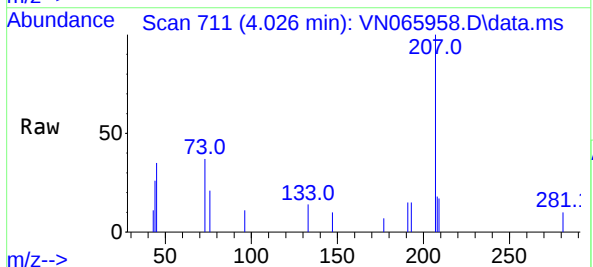
Instrument :
MSVOA_N
ClientSampled :

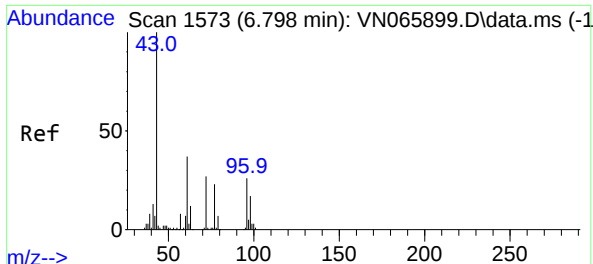
Tgt Ion: 43 Resp: 5371
Ion Ratio Lower Upper
43 100
58 36.7 27.0 40.6



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.026 min Scan# 711
Delta R.T. 0.019 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 76 Resp: 1064
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

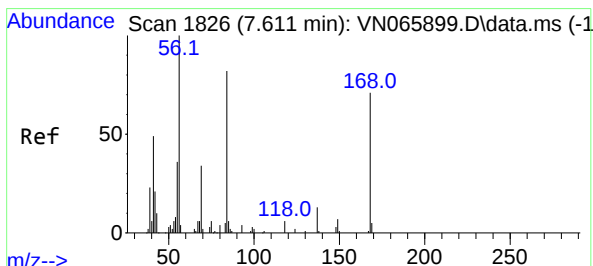
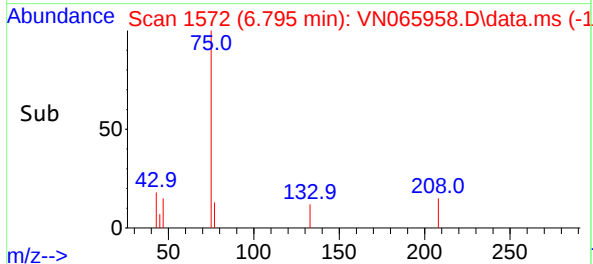
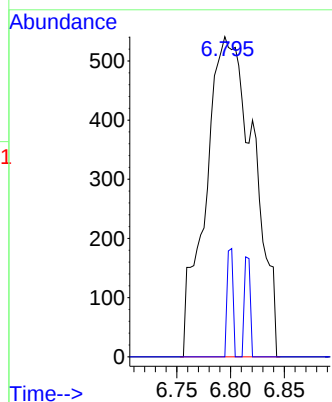
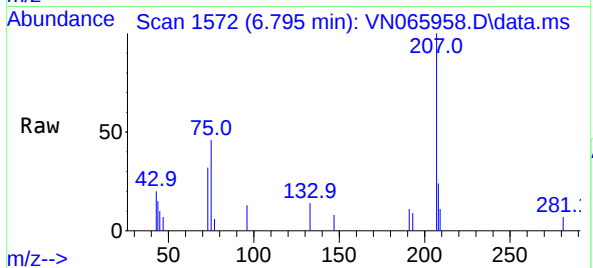




#25
2-Butanone
Concen: 1.56 ug/l
RT: 6.795 min Scan# 1572
Delta R.T. -0.003 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

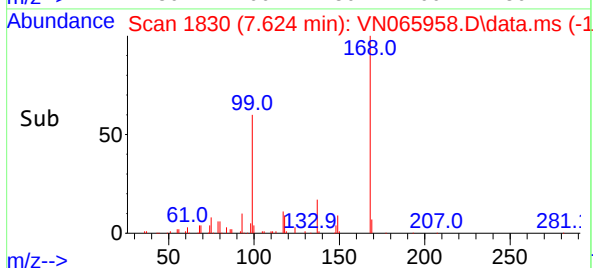
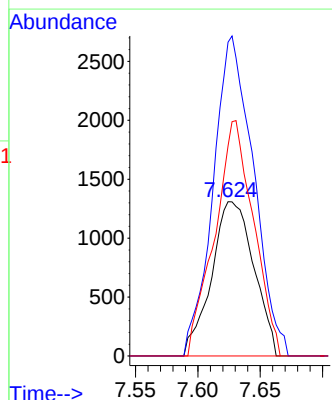
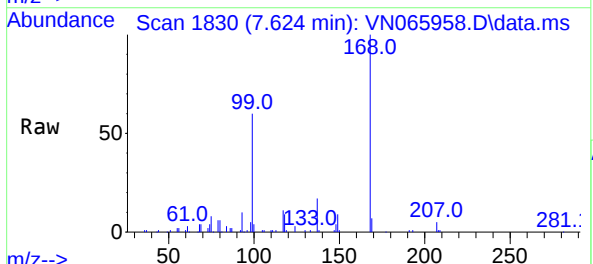
Instrument :
MSVOA_N
ClientSampled :

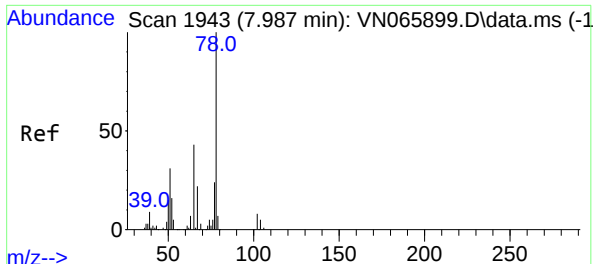
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#31
Cyclohexane
Concen: 0.95 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 56 Resp: 3095
Ion Ratio Lower Upper
56 100
69 203.4 26.6 39.8#
84 136.1 70.4 105.6#

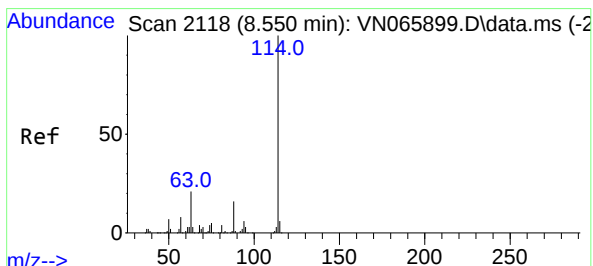
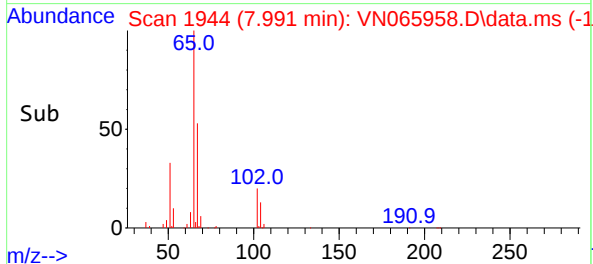
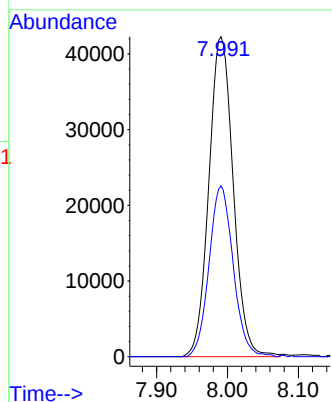
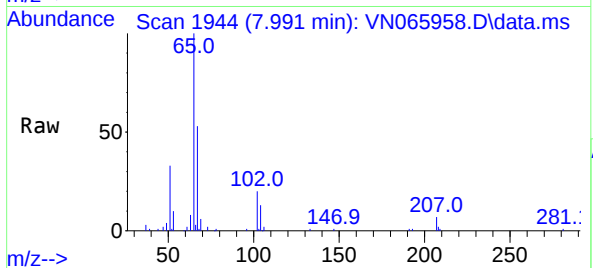




#33
1,2-Dichloroethane-d4
Concen: 46.40 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

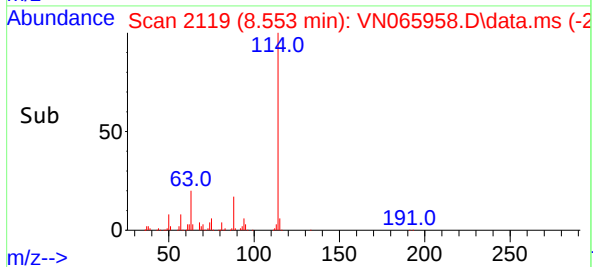
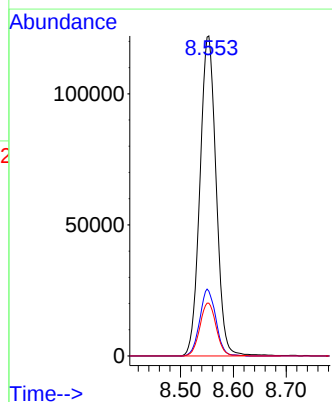
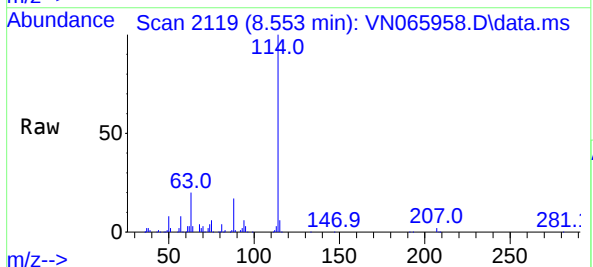
Instrument :
MSVOA_N
ClientSampleId :

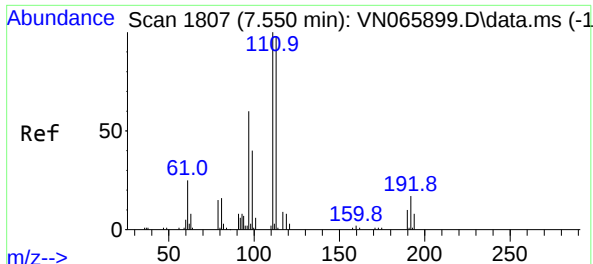
Tgt Ion: 65 Resp: 101022
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 114 Resp: 259719
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.6
88 16.5 0.0 30.6

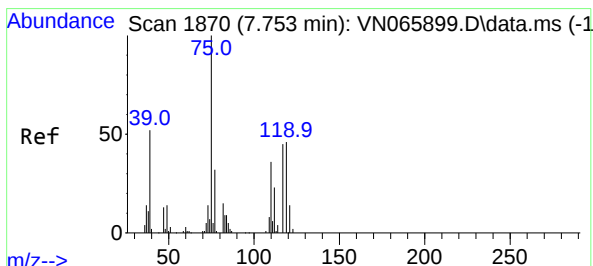
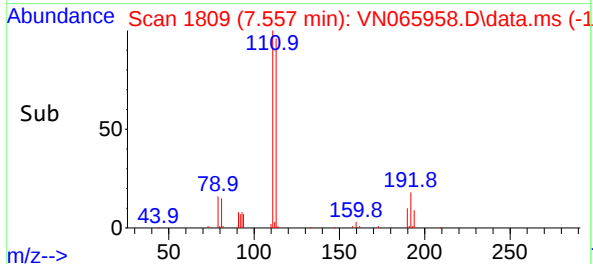
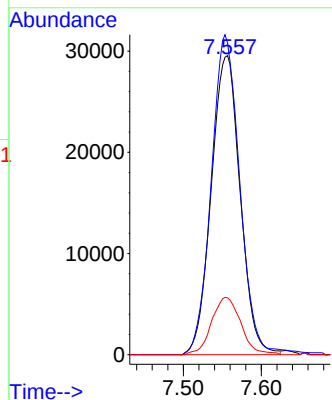
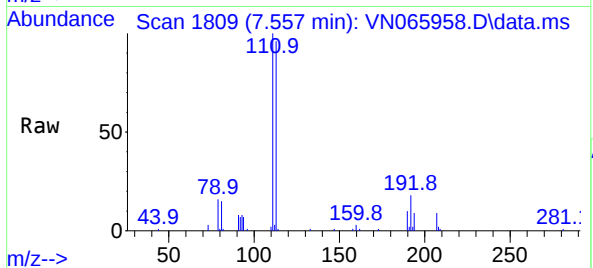




#35
Dibromofluoromethane
Concen: 47.40 ug/l
RT: 7.557 min Scan# 1809
Delta R.T. 0.007 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

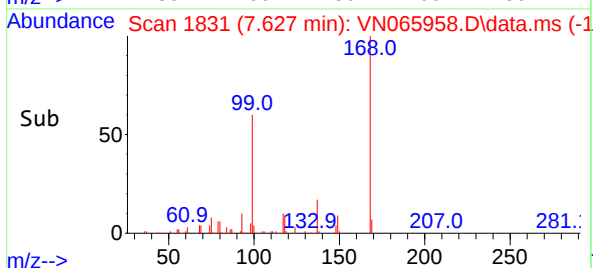
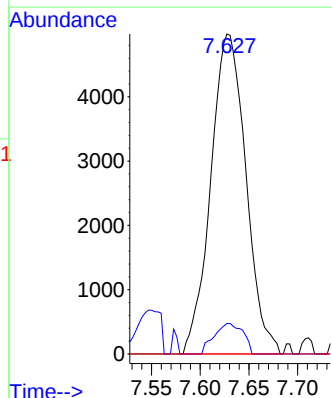
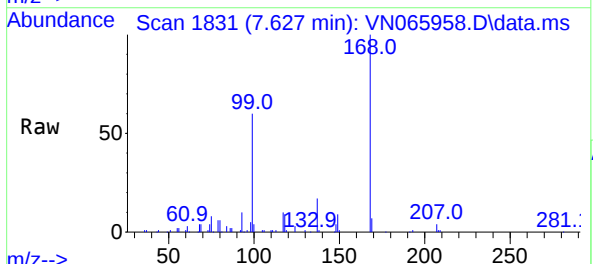
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MSVOA_N
ClientSampled :

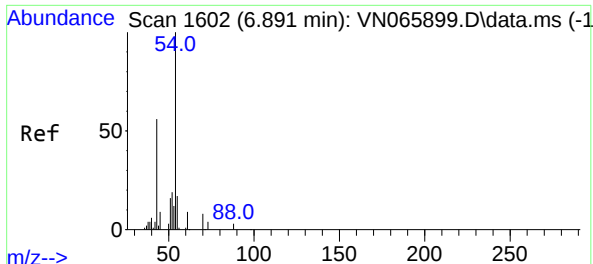
Tgt Ion:113 Resp: 76195
Ion Ratio Lower Upper
113 100
111 105.9 82.2 123.2
192 19.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 75 Resp: 12486
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.73 ug/l

RT: 6.795 min Scan# 1572

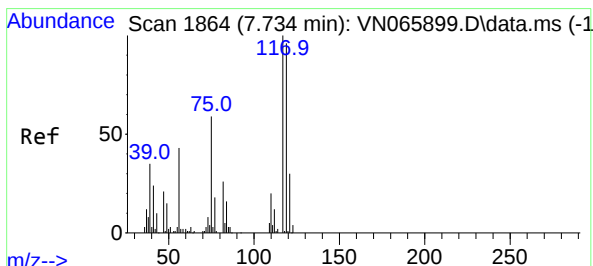
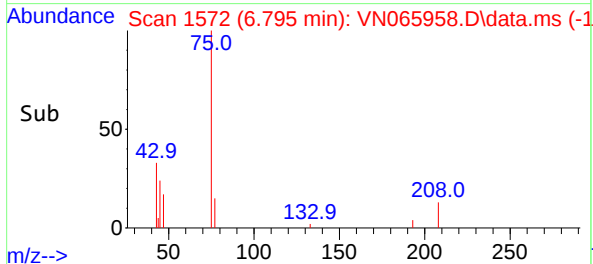
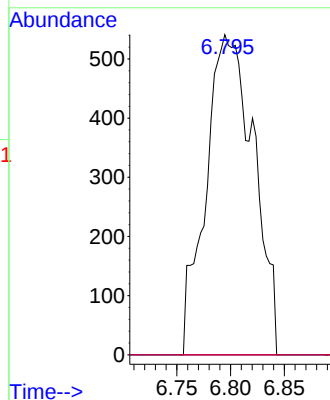
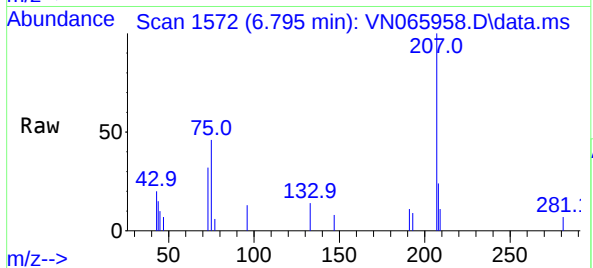
Delta R.T. -0.096 min

Lab File: VN065958.D

Acq: 22 Feb 2021 14:33

Tgt Ion:	43	Resp:	1677
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.68 ug/l

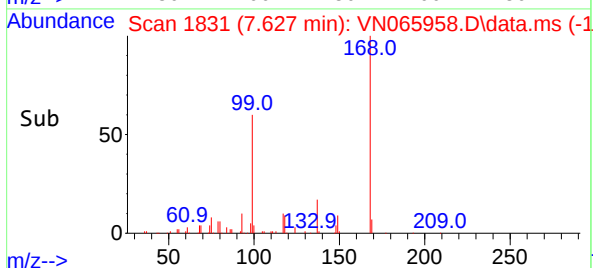
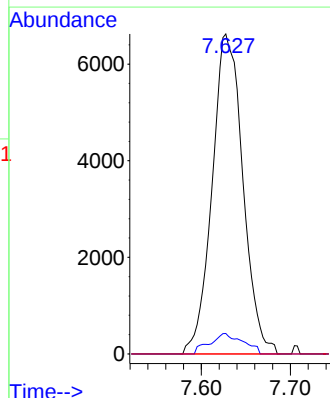
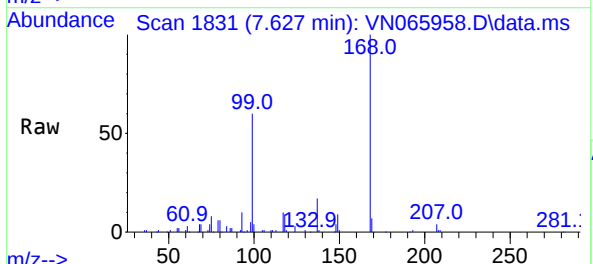
RT: 7.627 min Scan# 1831

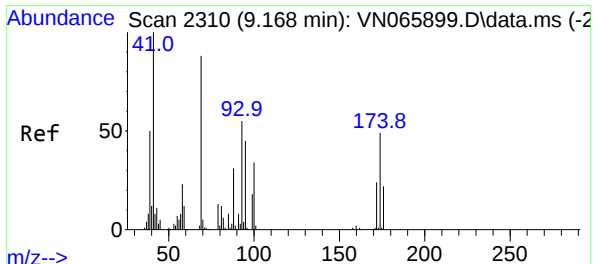
Delta R.T. -0.107 min

Lab File: VN065958.D

Acq: 22 Feb 2021 14:33

Tgt Ion:	117	Resp:	15891
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.0	114.0#
121	0.0	24.5	36.7#

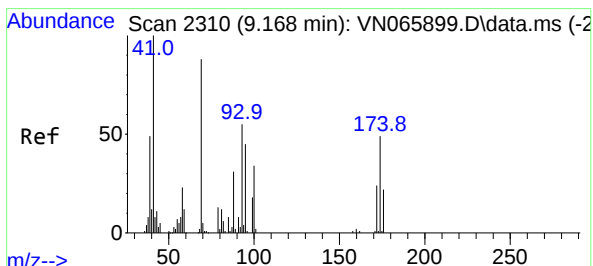
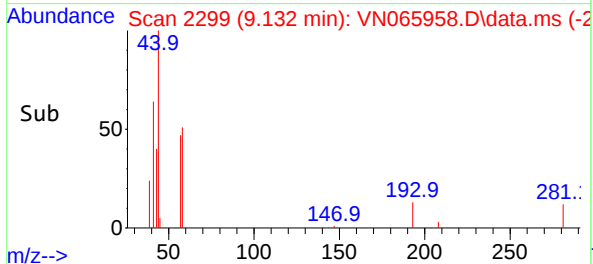
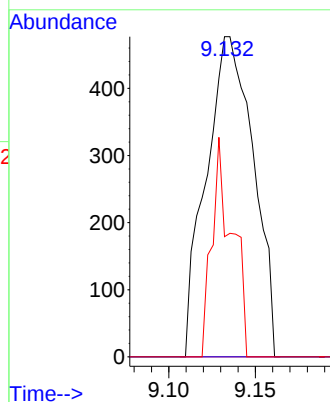
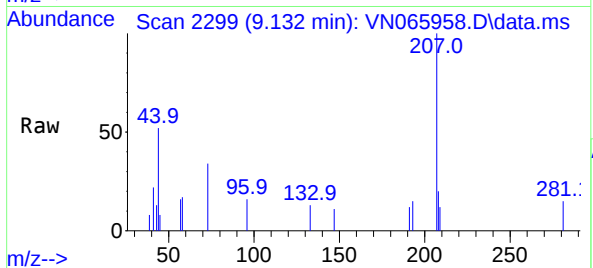




#48
Methyl methacrylate
Concen: 0.49 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.036 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

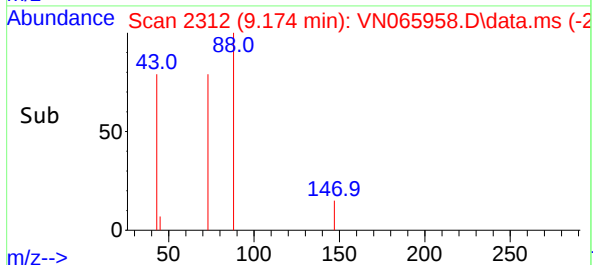
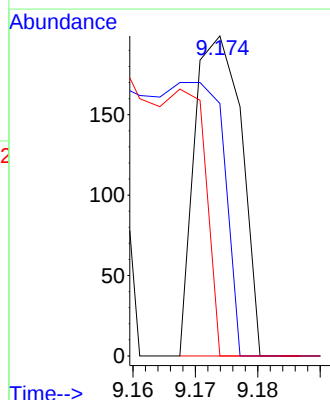
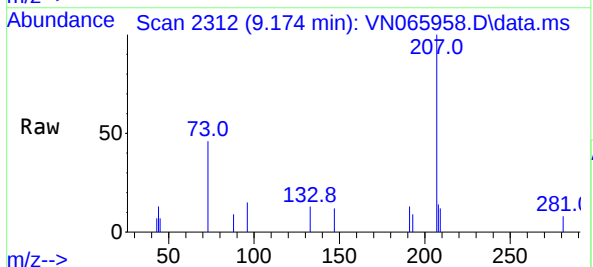
Instrument :
MSVOA_N
ClientSampled :

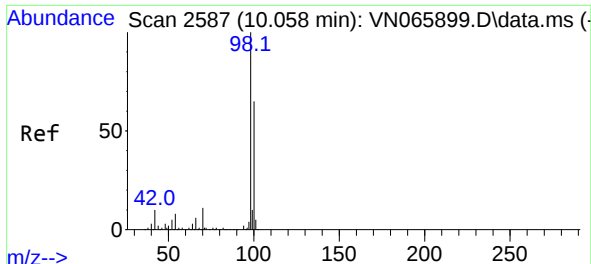
Tgt Ion: 41 Resp: 907
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 29.1 46.6 69.8#



#49
1,4-Dioxane
Concen: 3.27 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.006 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#

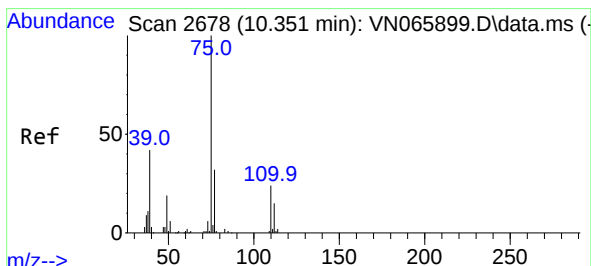
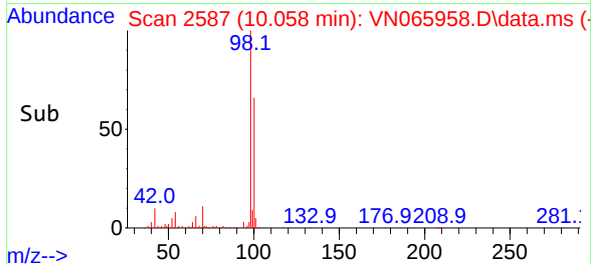
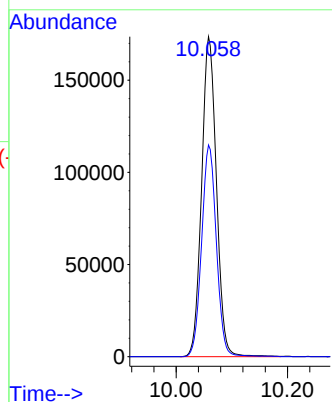
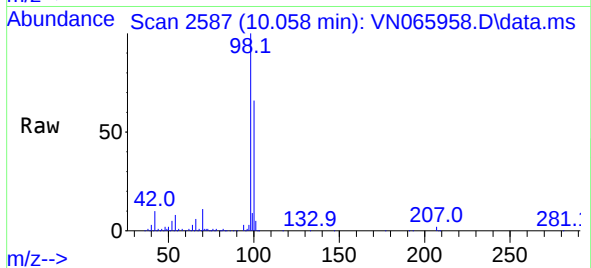




#50
Toluene-d8
Concen: 48.59 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

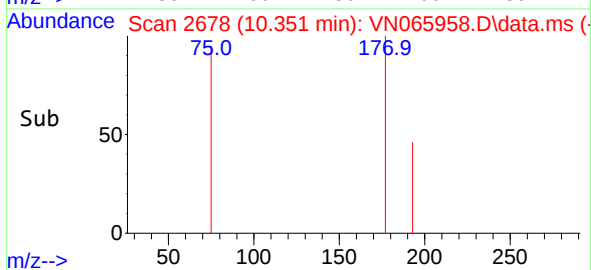
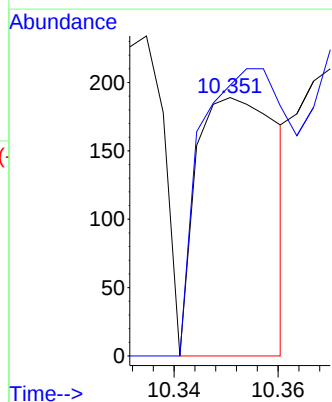
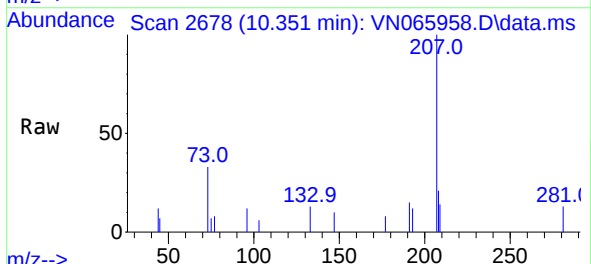
Instrument :
MSVOA_N
ClientSampled :

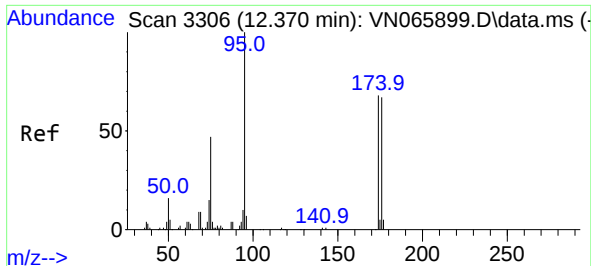
Tgt Ion: 98 Resp: 320631
Ion Ratio Lower Upper
98 100
100 65.9 50.5 75.7



#53
t-1,3-Dichloropropene
Concen: 2.04 ug/l
RT: 10.351 min Scan# 2678
Delta R.T. -0.000 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 75 Resp: 204
Ion Ratio Lower Upper
75 100
77 104.8 26.2 39.4#

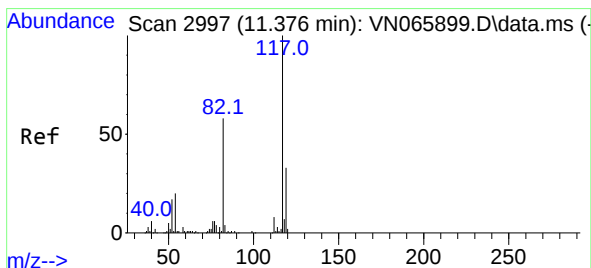
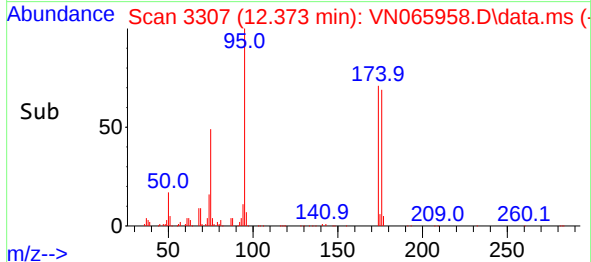
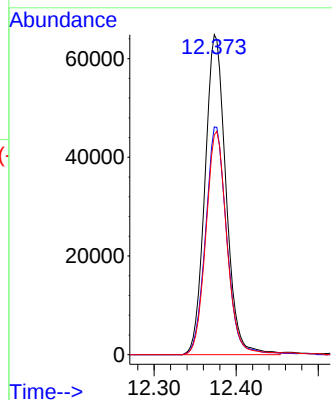
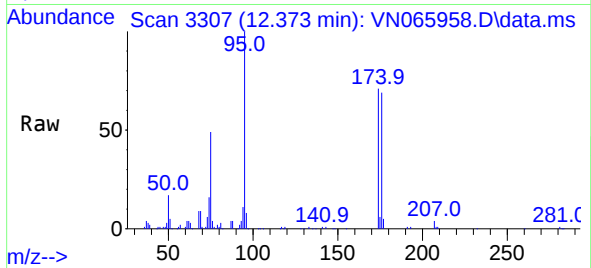




#62
4-Bromofluorobenzene
Concen: 46.59 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

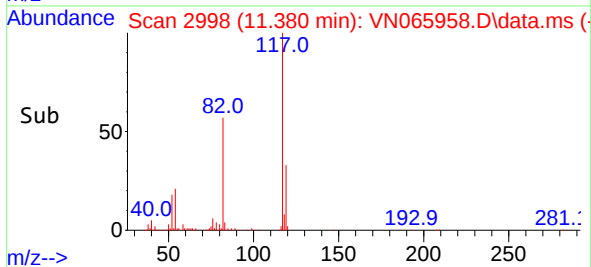
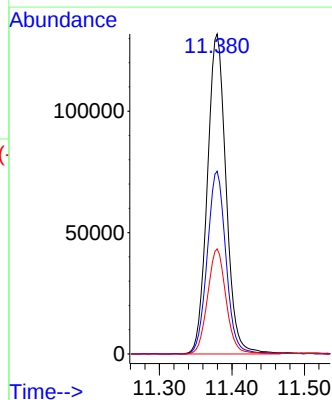
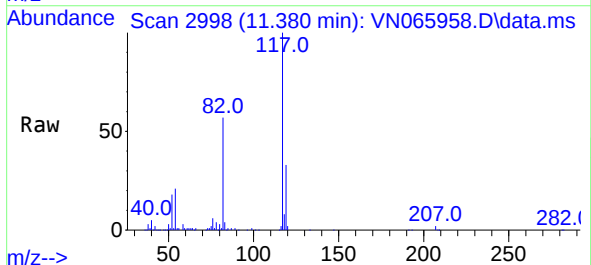
Instrument :
MSVOA_N
ClientSampleId :

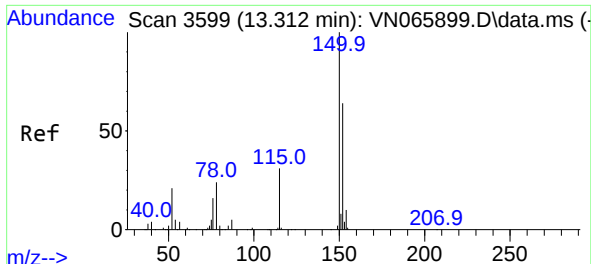
Tgt Ion: 95 Resp: 115400
Ion Ratio Lower Upper
95 100
174 71.7 0.0 169.0
176 69.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 117 Resp: 236966
Ion Ratio Lower Upper
117 100
82 57.1 43.7 65.5
119 32.8 26.1 39.1

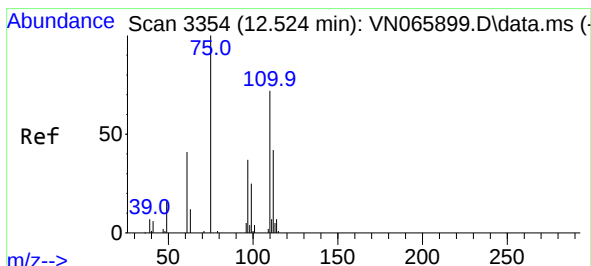
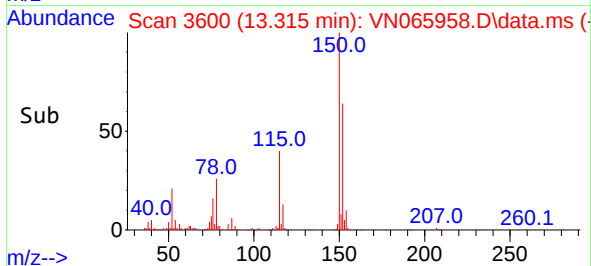
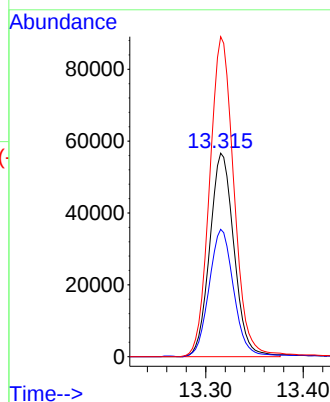
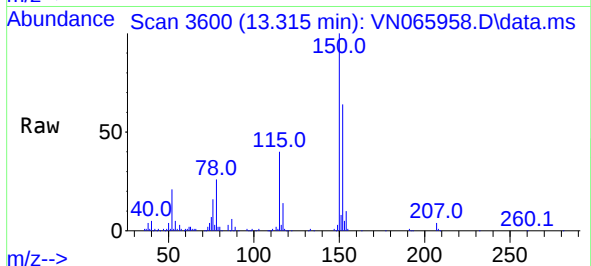




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

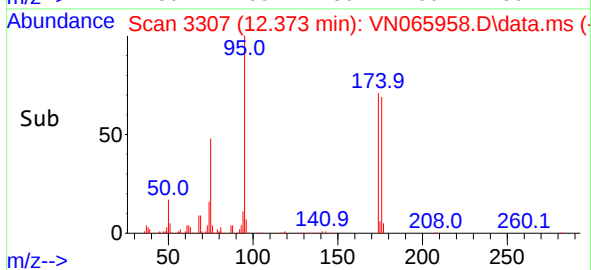
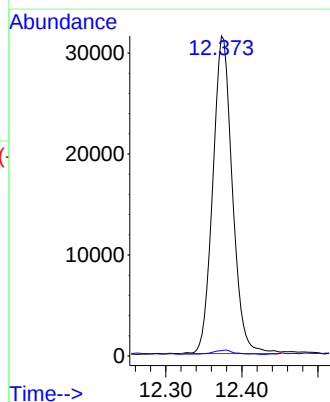
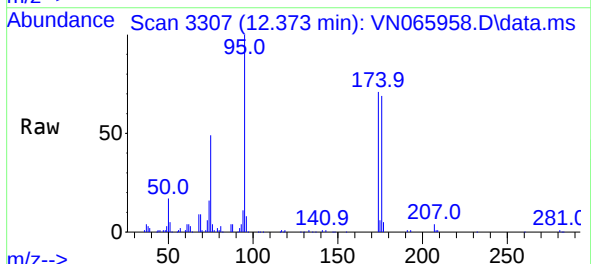
Instrument :
MSVOA_N
ClientSampled :

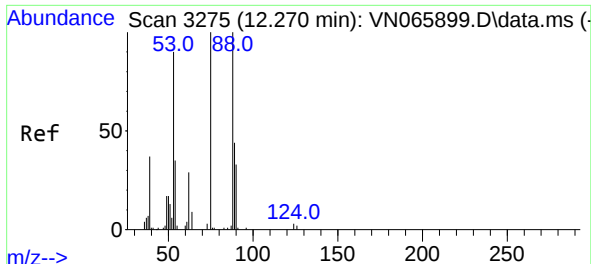
Tgt Ion:152 Resp: 98005
Ion Ratio Lower Upper
152 100
115 63.8 28.5 85.6
150 158.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.82 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion: 75 Resp: 56079
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

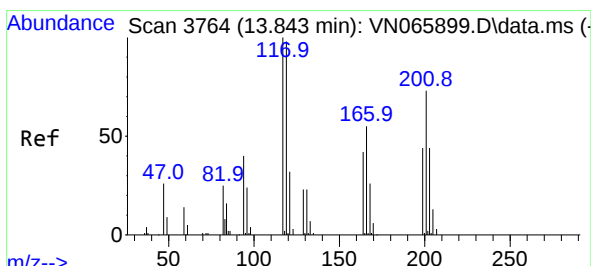
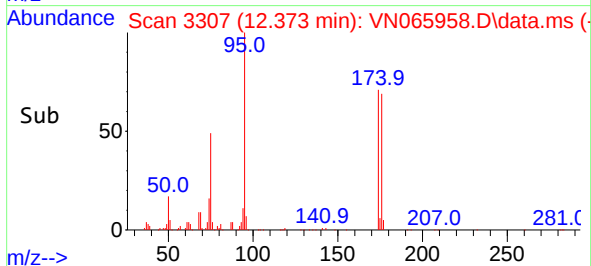
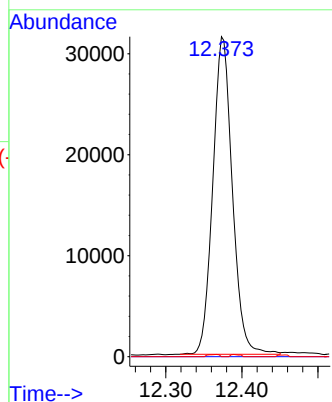
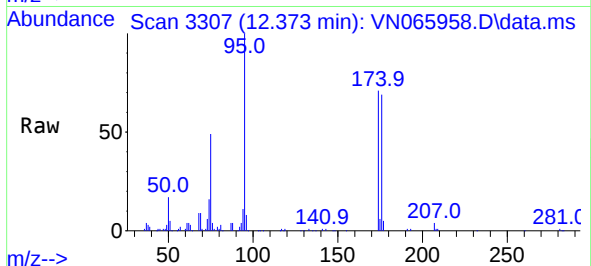




#81
trans-1,4-Dichloro-2-butene
Concen: 75.91 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

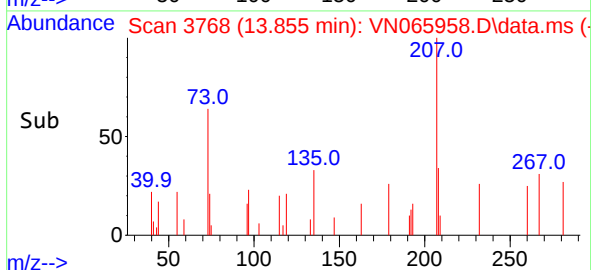
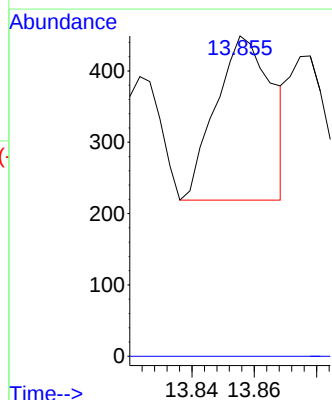
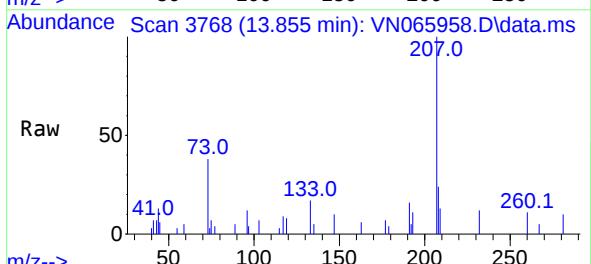
Instrument :
MSVOA_N
ClientSampleId :

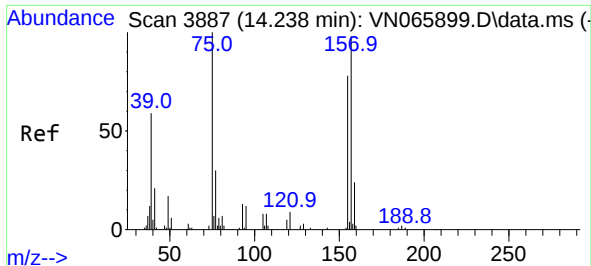
Tgt Ion: 75 Resp: 56079
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.4 35.8 53.8#



#90
Hexachloroethane
Concen: 0.26 ug/l
RT: 13.855 min Scan# 3768
Delta R.T. 0.012 min
Lab File: VN065958.D
Acq: 22 Feb 2021 14:33

Tgt Ion:117 Resp: 289
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#

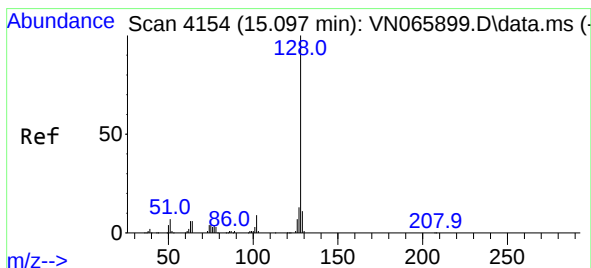
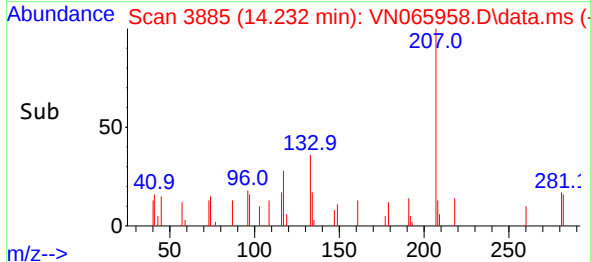
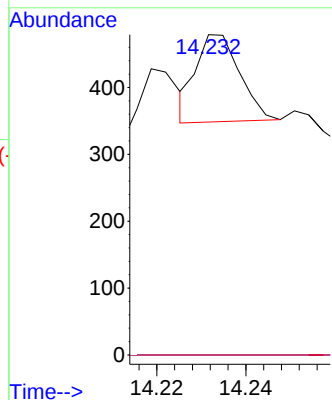
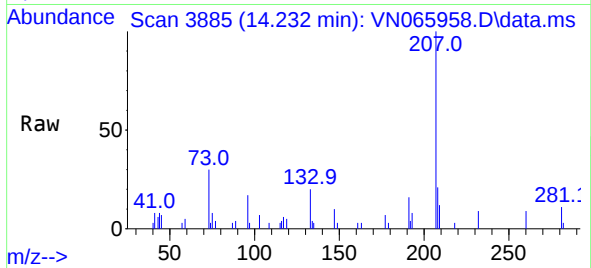




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.03 ug/l
 RT: 14.232 min Scan# 3885
 Delta R.T. -0.006 min
 Lab File: VN065958.D
 Acq: 22 Feb 2021 14:33

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:	75	Resp:	88
Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.1	132.4#
157	0.0	56.0	168.2#



#95
 Naphthalene
 Concen: 3.09 ug/l
 RT: 15.097 min Scan# 4154
 Delta R.T. -0.000 min
 Lab File: VN065958.D
 Acq: 22 Feb 2021 14:33

Tgt Ion:	128	Resp:	201
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

