

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022221\
 Data File : VN065955.D
 Acq On : 22 Feb 2021 13:22
 Operator : JC/MD
 Sample : M1450-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 22 15:12:44 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

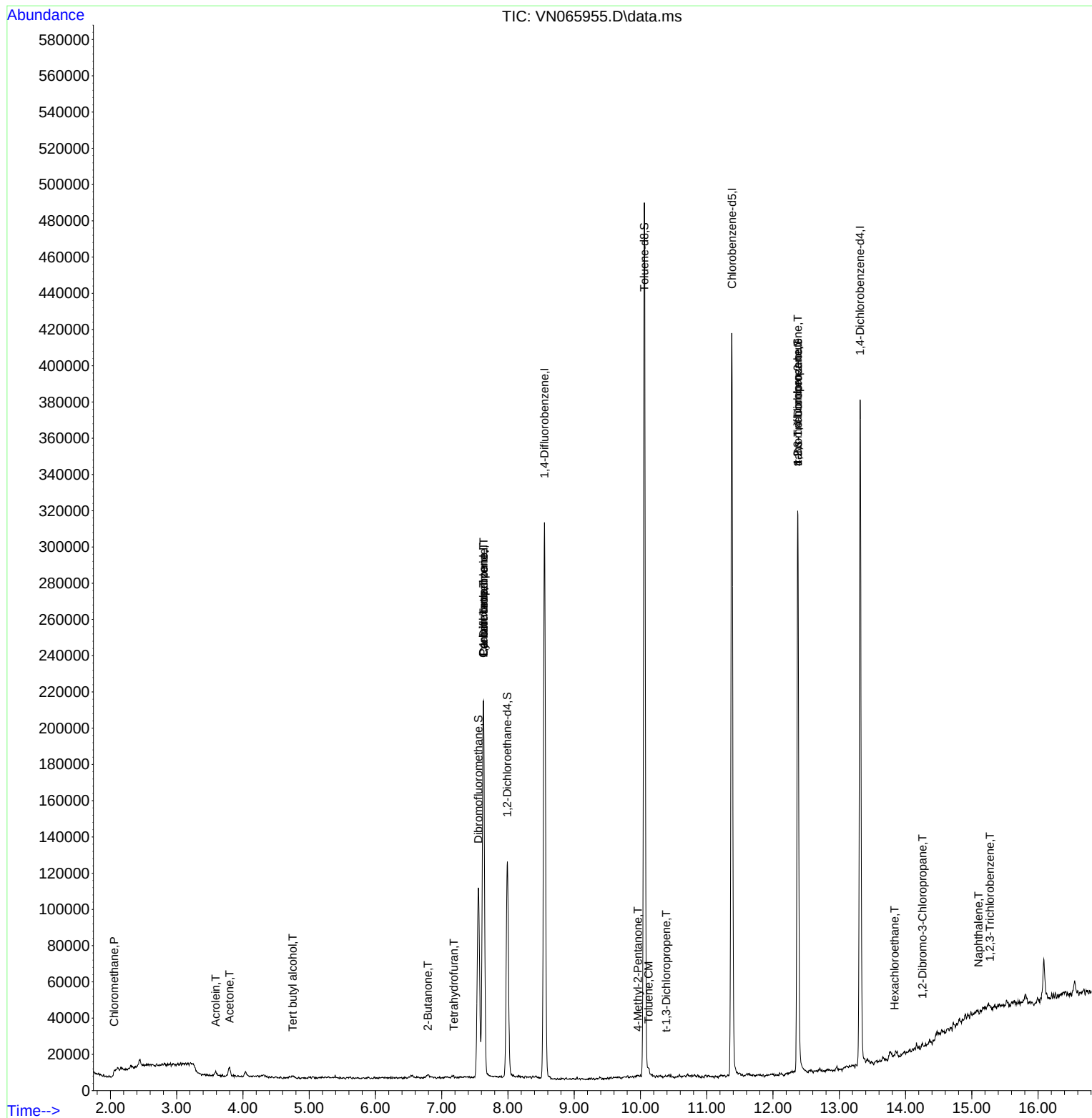
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.631	168	172011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	283538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	259340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	106193	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.991	65	109461	45.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.02%
35) Dibromofluoromethane	7.553	113	83722	47.71	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.42%
50) Toluene-d8	10.058	98	345048	47.90	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.80%
62) 4-Bromofluorobenzene	12.373	95	123127	45.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.06%
Target Compounds						
					Qvalue	
3) Chloromethane	2.055	50	1636	0.58	ug/l	98
11) Tert butyl alcohol	4.753	59	1296	3.87	ug/l #	73
13) Acrolein	3.589	56	3565	11.65	ug/l	93
16) Acetone	3.798	43	9578	11.14	ug/l	90
25) 2-Butanone	6.791	43	1182	0.99	ug/l #	46
29) Tetrahydrofuran	7.184	42	916	1.12	ug/l #	37
31) Cyclohexane	7.627	56	3196	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	13849	4.95	ug/l #	48
38) Carbon Tetrachloride	7.631	117	17034	6.56	ug/l #	16
51) 4-Methyl-2-Pentanone	9.958	43	1073	0.44	ug/l #	35
52) Toluene	10.122	92	1061	0.20	ug/l	84
53) t-1,3-Dichloropropene	10.389	75	277	2.06	ug/l #	42
76) 1,2,3-Trichloropropane	12.373	75	59667	23.39	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	59667	74.54	ug/l #	12
90) Hexachloroethane	13.836	117	273	0.22	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.257	75	99	1.04	ug/l #	1
95) Naphthalene	15.103	128	619	3.15	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.277	180	98	2.22	ug/l #	1

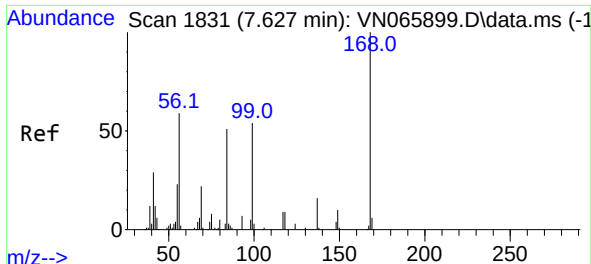
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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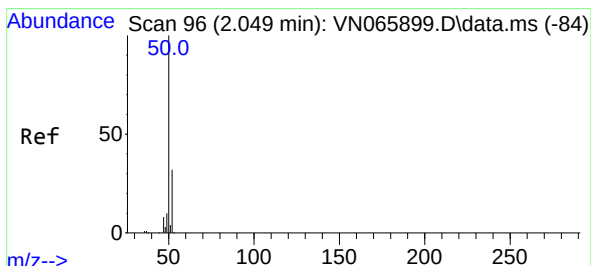
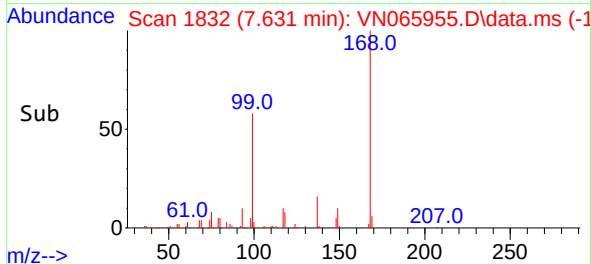
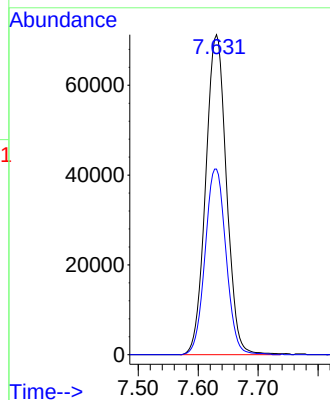
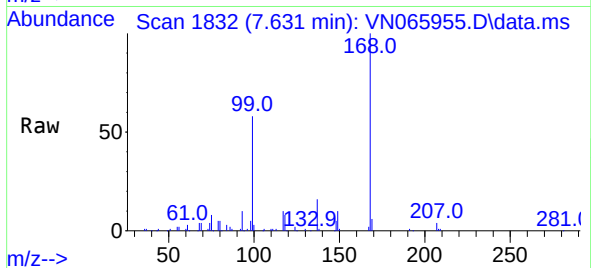




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

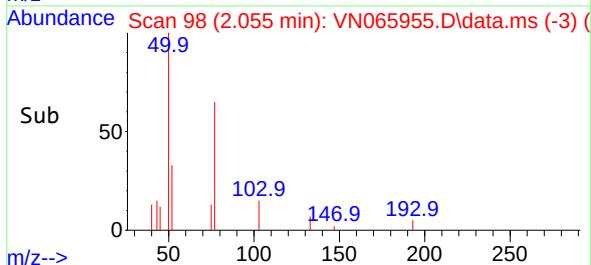
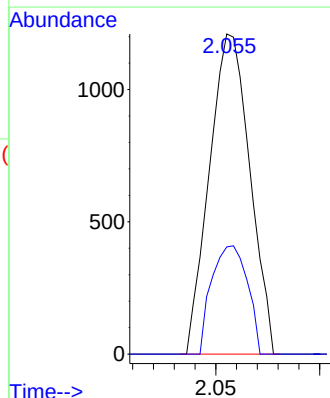
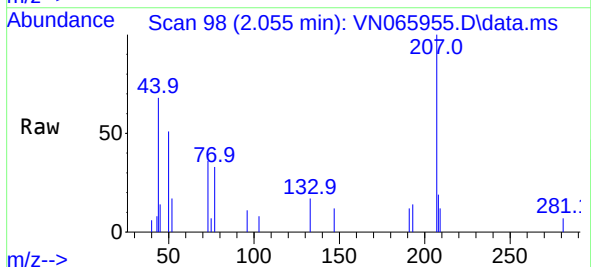
Instrument :
MSVOA_N
ClientSampled :

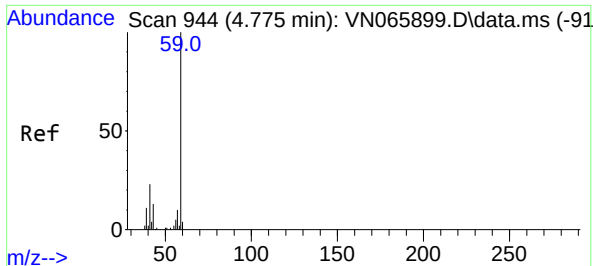
Tgt Ion:168 Resp: 172011
Ion Ratio Lower Upper
168 100
99 58.0 42.6 63.8



#3
Chloromethane
Concen: 0.58 ug/l
RT: 2.055 min Scan# 98
Delta R.T. 0.006 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 33.5 25.8 38.8



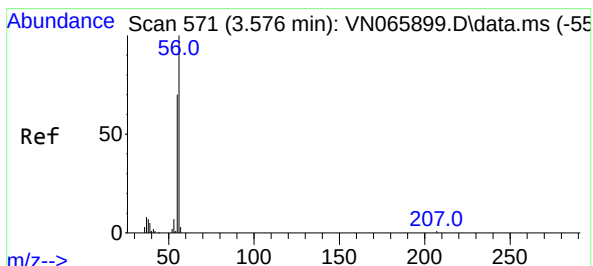
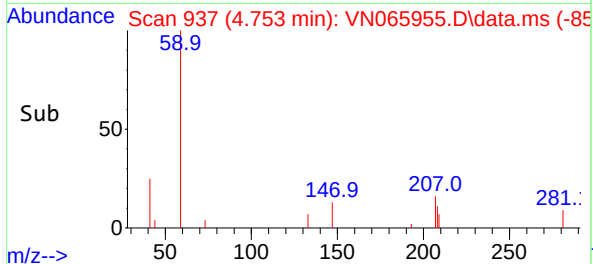
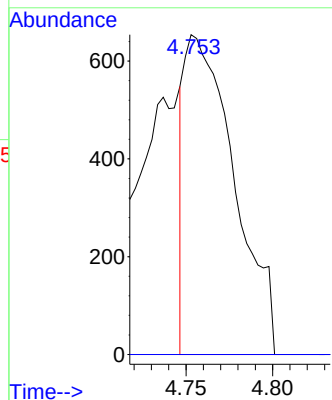
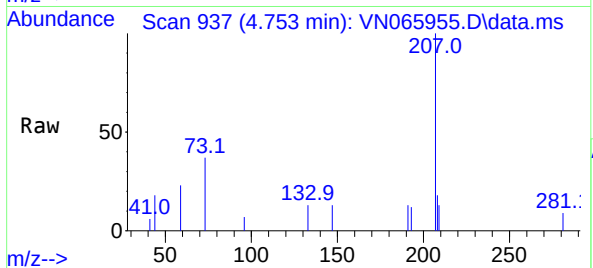


#11

Tert butyl alcohol
Concen: 3.87 ug/l
RT: 4.753 min Scan# 937
Delta R.T. -0.022 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Instrument :
MSVOA_N
ClientSampleId :

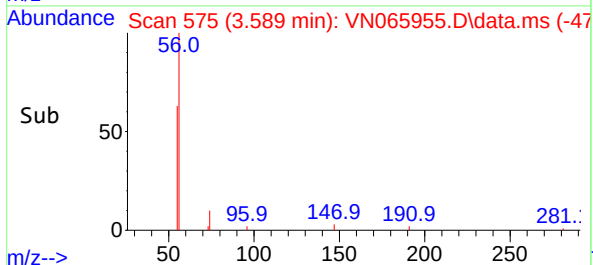
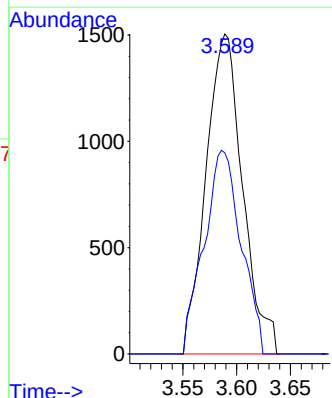
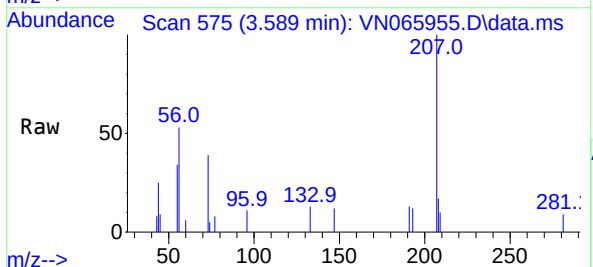
Tgt Ion: 59 Resp: 1296
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

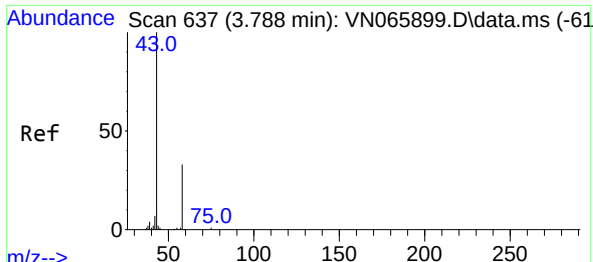


#13

Acrolein
Concen: 11.65 ug/l
RT: 3.589 min Scan# 575
Delta R.T. 0.013 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 56 Resp: 3565
Ion Ratio Lower Upper
56 100
55 64.5 56.0 84.0

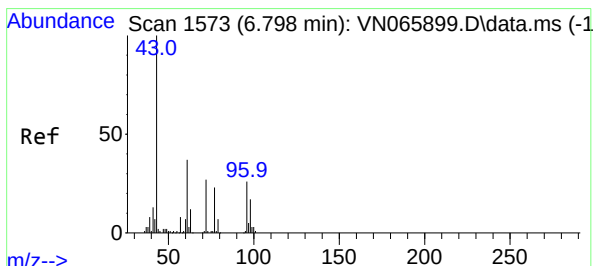
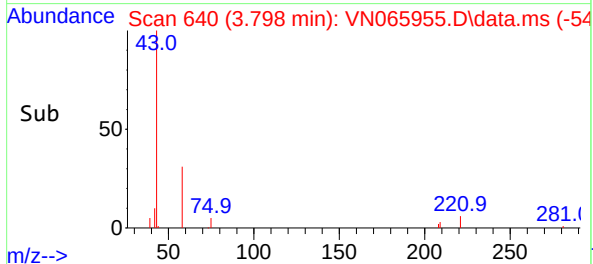
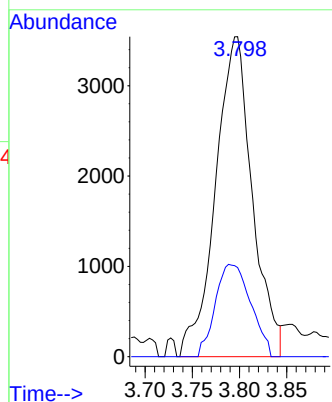
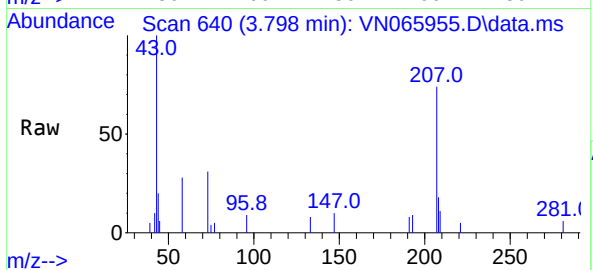




#16
Acetone
Concen: 11.14 ug/l
RT: 3.798 min Scan# 640
Delta R.T. 0.010 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

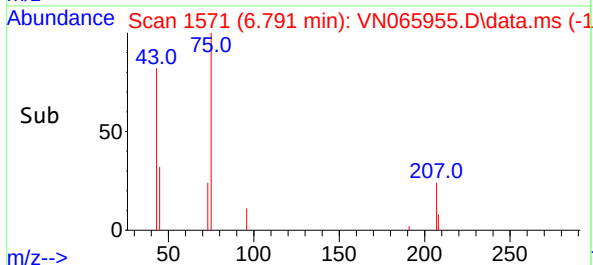
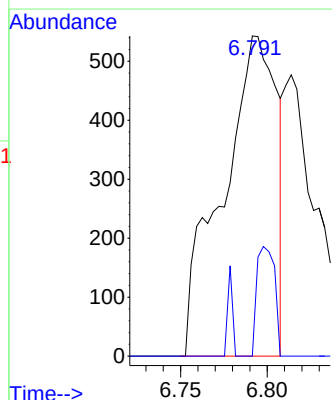
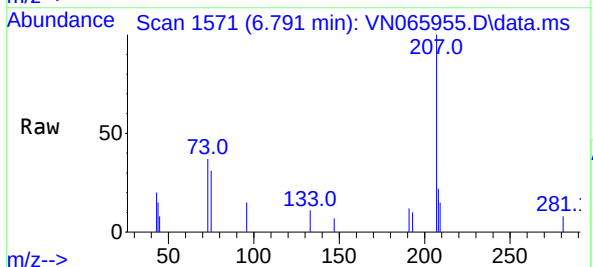
Instrument :
MSVOA_N
ClientSampled :

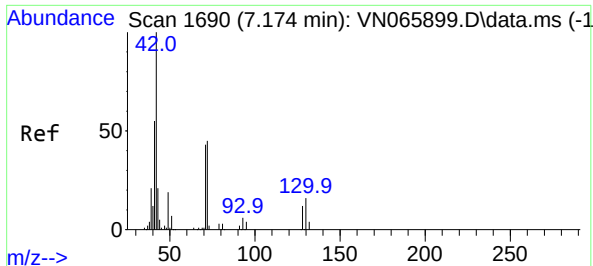
Tgt Ion: 43 Resp: 9578
Ion Ratio Lower Upper
43 100
58 27.9 27.0 40.6



#25
2-Butanone
Concen: 0.99 ug/l
RT: 6.791 min Scan# 1571
Delta R.T. -0.007 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#

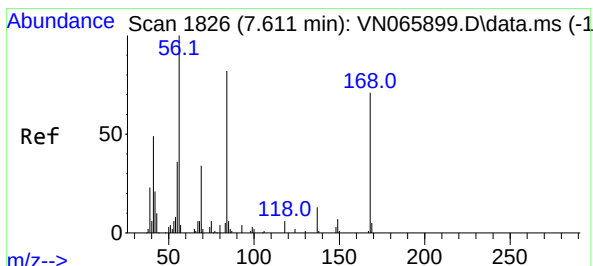
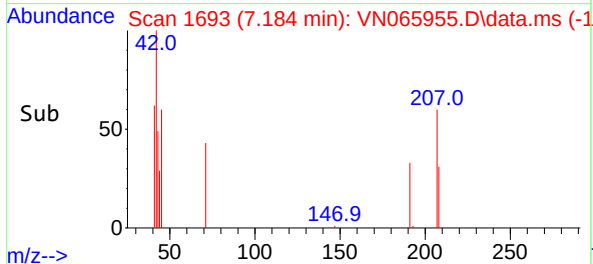
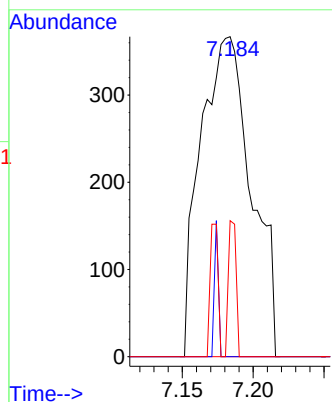
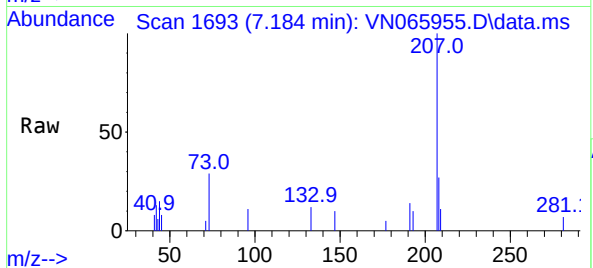




#29
Tetrahydrofuran
Concen: 1.12 ug/l
RT: 7.184 min Scan# 1693
Delta R.T. 0.010 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

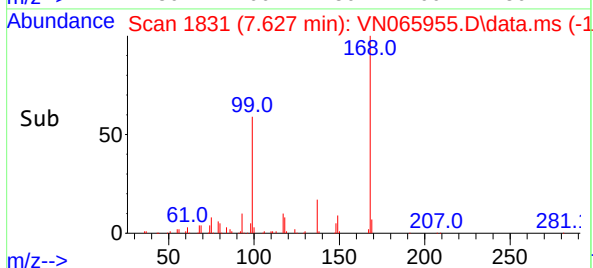
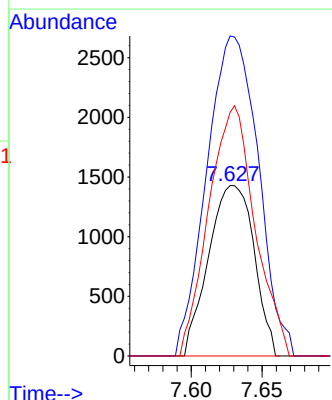
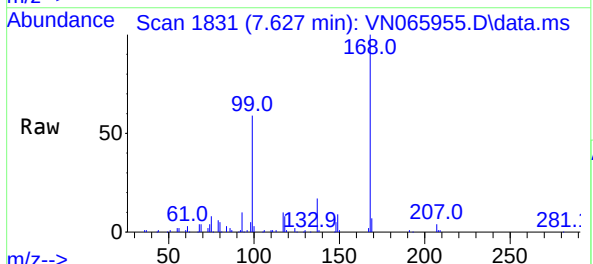
Instrument :
MSVOA_N
ClientSampleId :

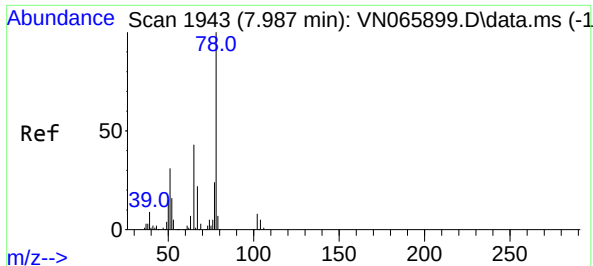
Tgt Ion:	42	Resp:	916
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	6.4	34.3	51.5#



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.016 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion:	56	Resp:	3196
Ion	Ratio	Lower	Upper
56	100		
69	172.4	26.6	39.8#
84	143.1	70.4	105.6#

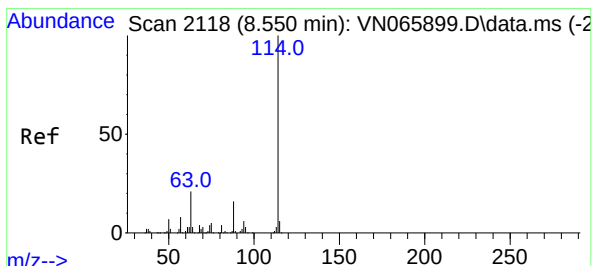
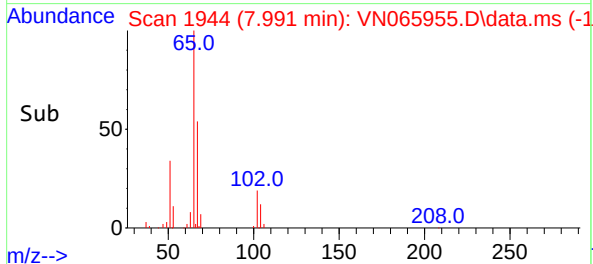
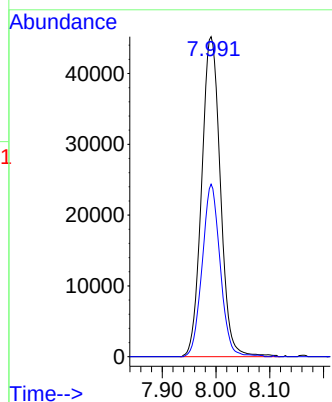
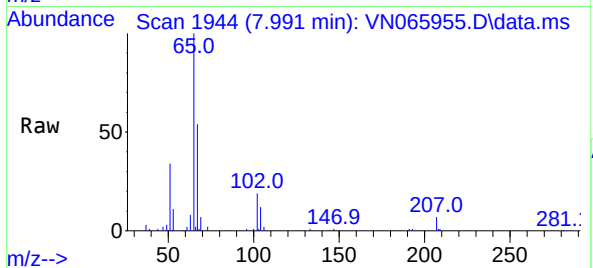




#33
1,2-Dichloroethane-d4
Concen: 45.51 ug/l
RT: 7.991 min Scan# 1944
Delta R.T. 0.004 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

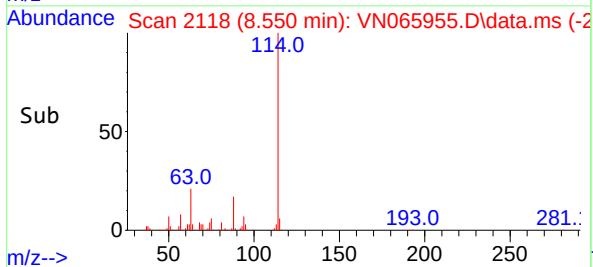
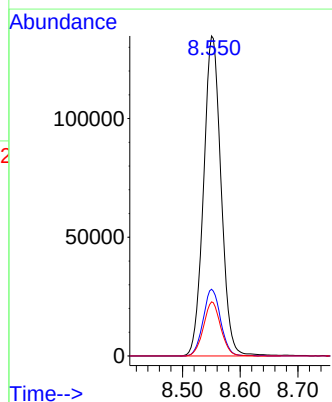
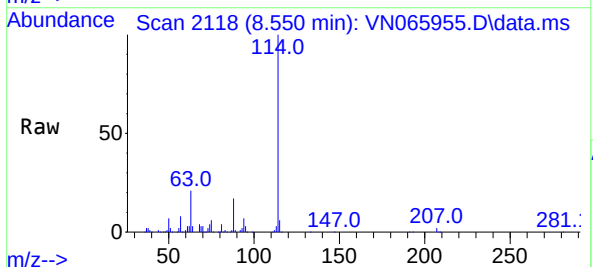
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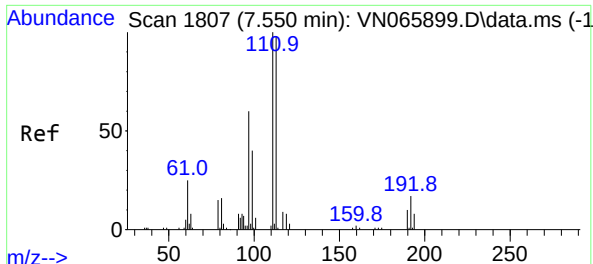
Tgt Ion: 65 Resp: 109461
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 114 Resp: 283538
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 16.9 0.0 30.6

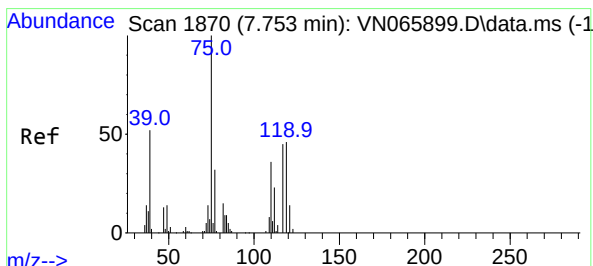
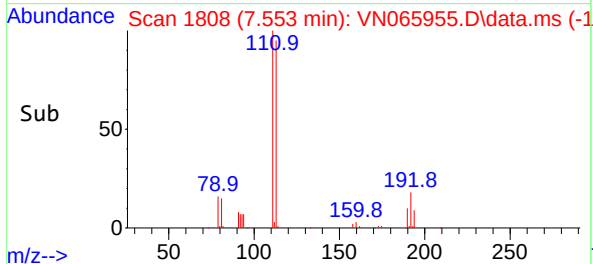
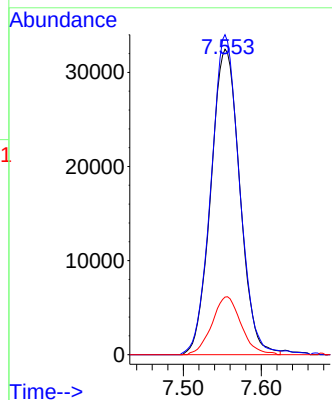
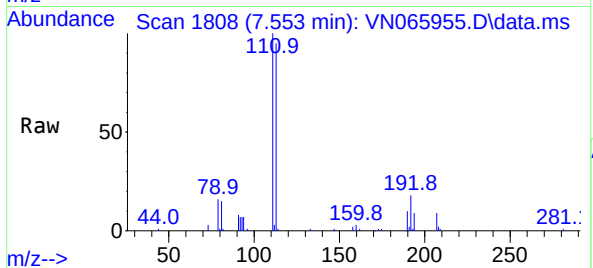




#35
Dibromofluoromethane
Concen: 47.71 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

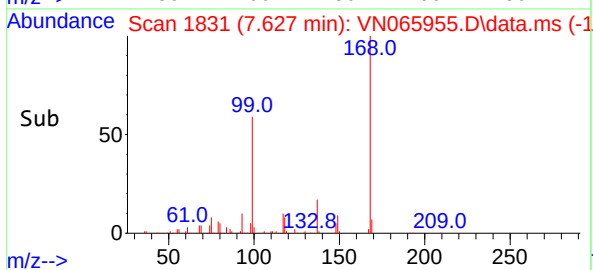
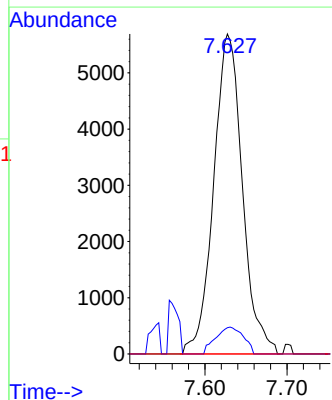
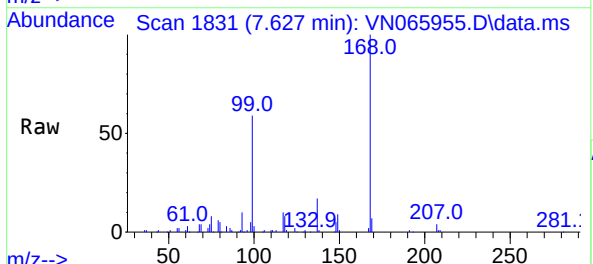
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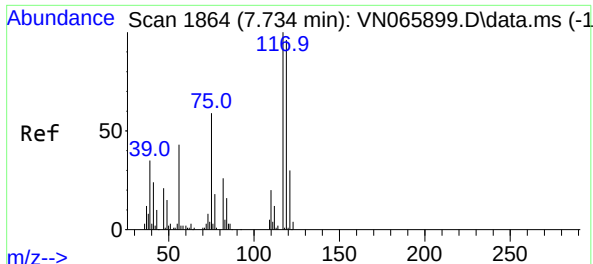
Tgt Ion:113 Resp: 83722
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 19.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 75 Resp: 13849
Ion Ratio Lower Upper
75 100
110 8.1 18.2 54.6#
77 0.0 24.9 37.3#

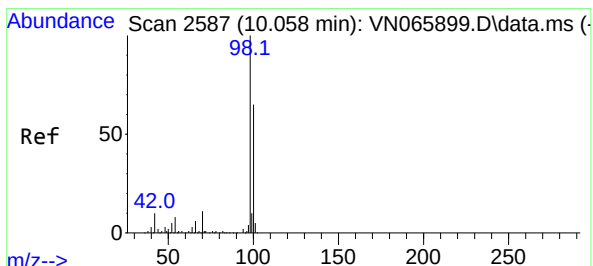
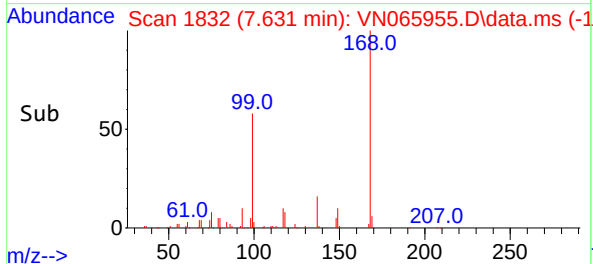
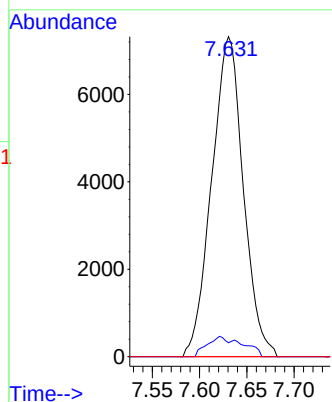
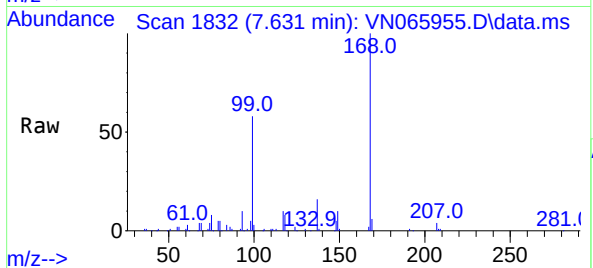




#38
Carbon Tetrachloride
Concen: 6.56 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.103 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

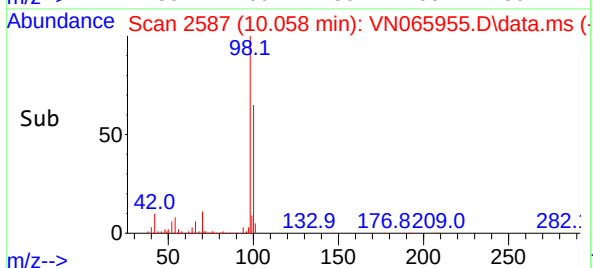
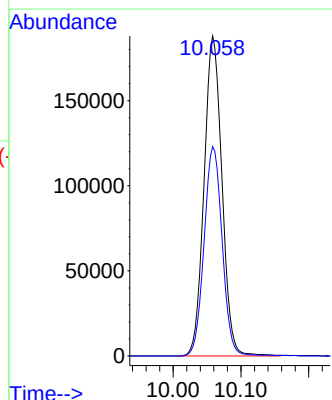
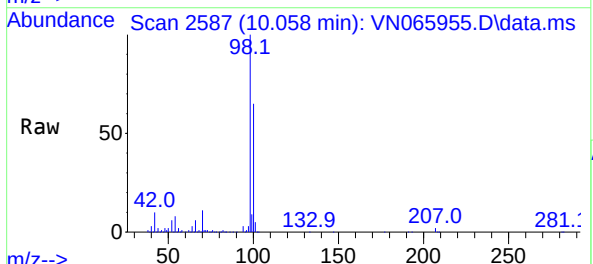
Instrument :
MSVOA_N
ClientSampleId :

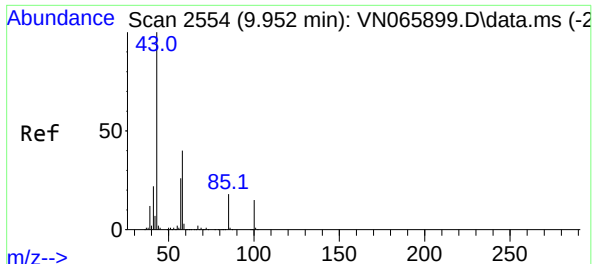
Tgt Ion:117 Resp: 17034
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.90 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 98 Resp: 345048
Ion Ratio Lower Upper
98 100
100 65.9 50.5 75.7

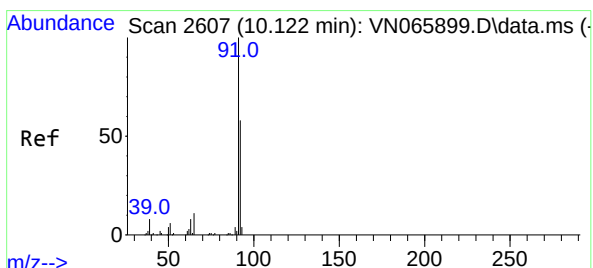
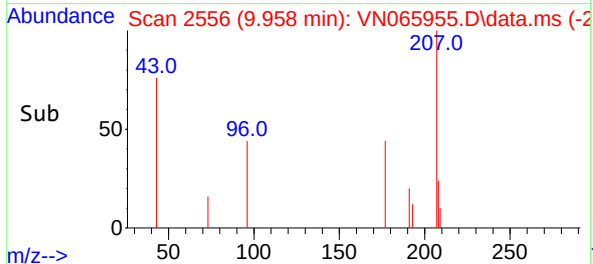
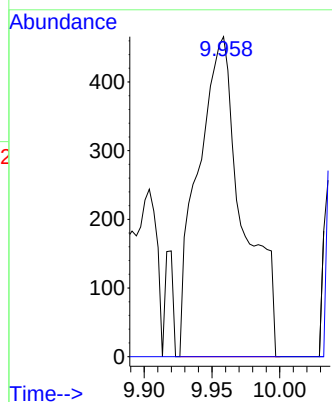
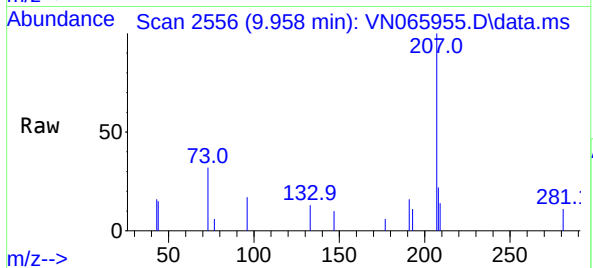




#51
4-Methyl-2-Pentanone
Concen: 0.44 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.006 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

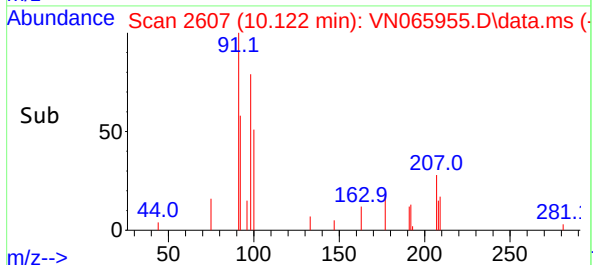
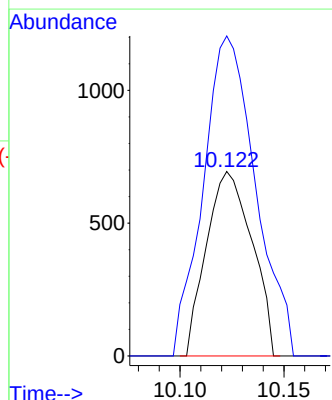
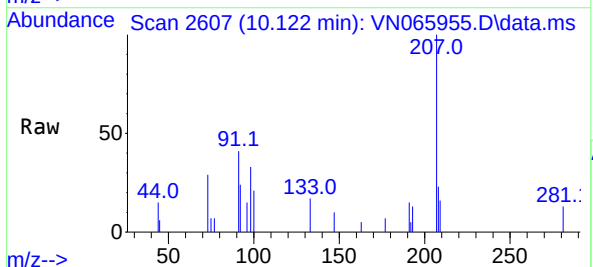
Instrument :
MSVOA_N
ClientSampled :

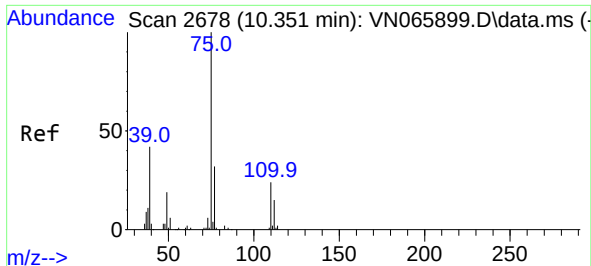
Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#



#52
Toluene
Concen: 0.20 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 92 Resp: 1061
Ion Ratio Lower Upper
92 100
91 199.0 140.7 211.1

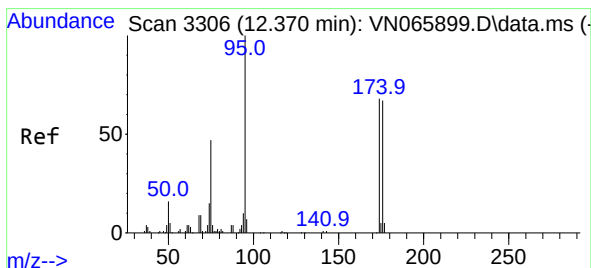
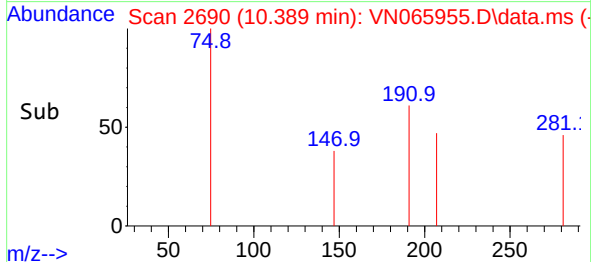
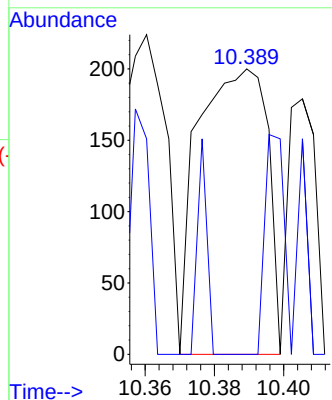
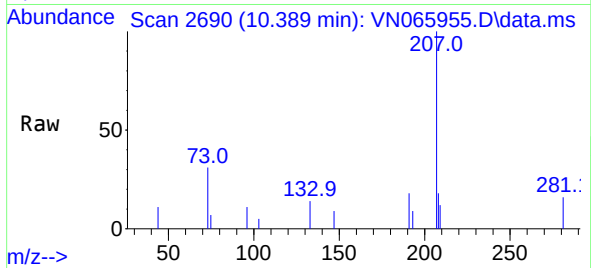




#53
t-1,3-Dichloropropene
Concen: 2.06 ug/l
RT: 10.389 min Scan# 2690
Delta R.T. 0.038 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

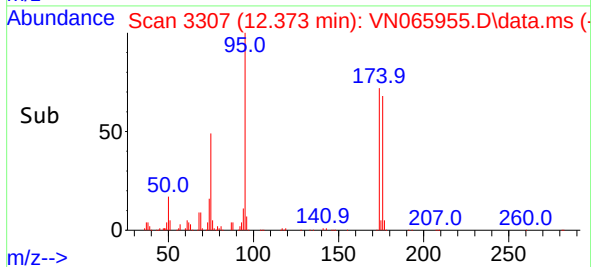
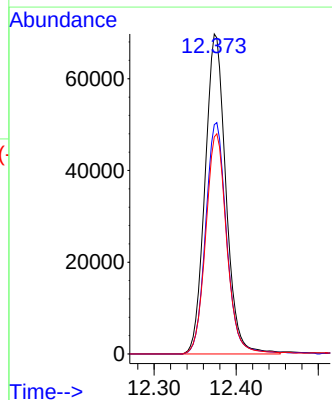
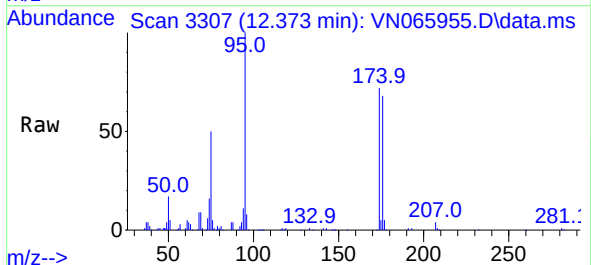
Instrument :
MSVOA_N
ClientSampled :

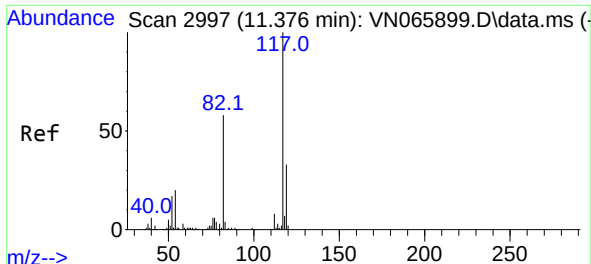
Tgt Ion: 75 Resp: 277
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 45.53 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 95 Resp: 123127
Ion Ratio Lower Upper
95 100
174 72.6 0.0 169.0
176 69.2 0.0 162.4

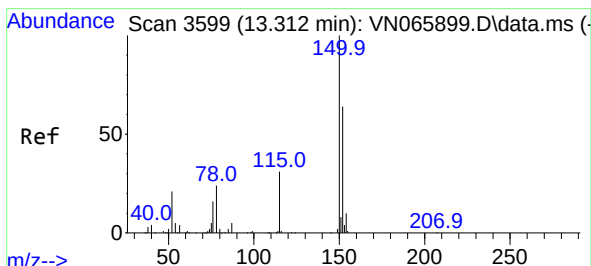
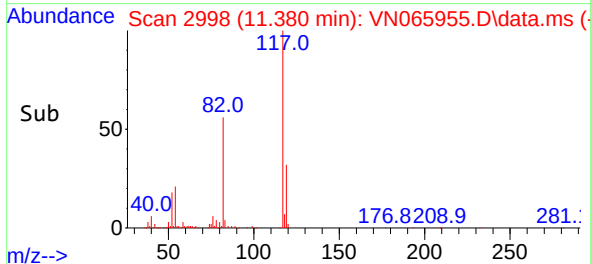
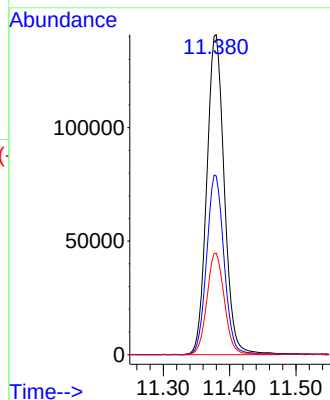
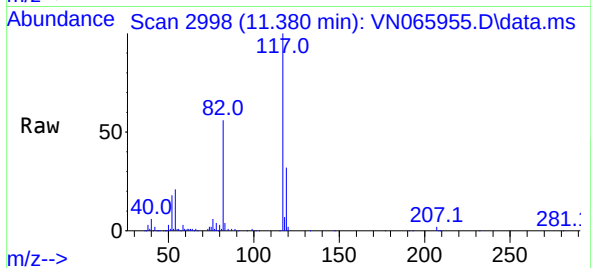




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.004 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

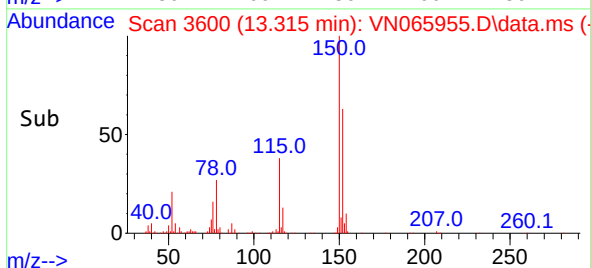
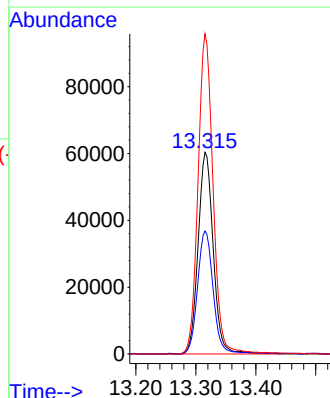
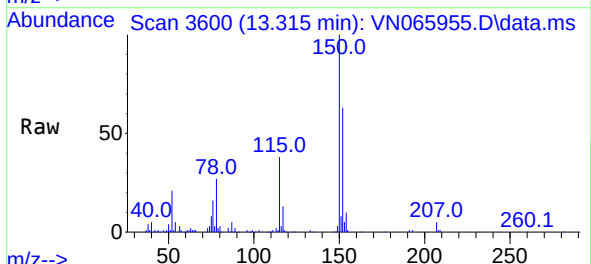
Instrument :
MSVOA_N
ClientSampled :

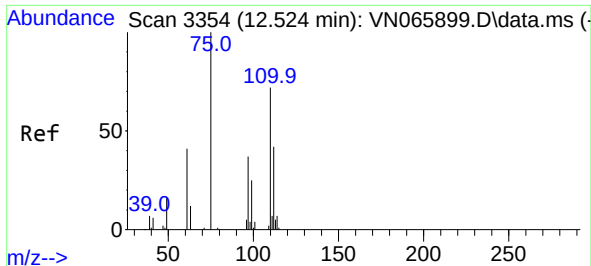
Tgt Ion:117 Resp: 259340
Ion Ratio Lower Upper
117 100
82 55.9 43.7 65.5
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion:152 Resp: 106193
Ion Ratio Lower Upper
152 100
115 62.3 28.5 85.6
150 157.2 0.0 347.6

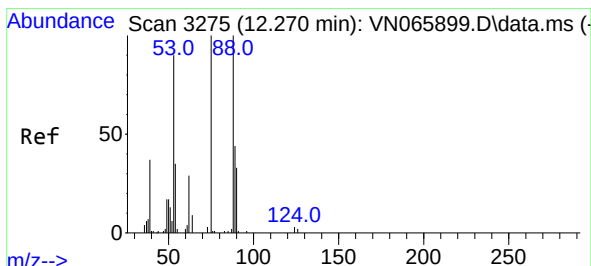
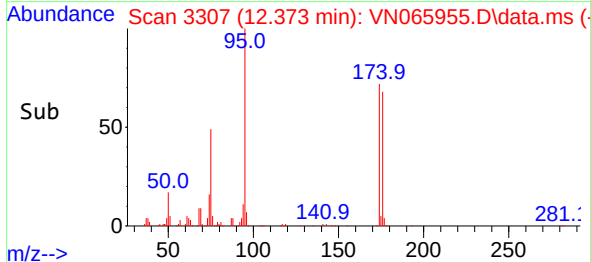
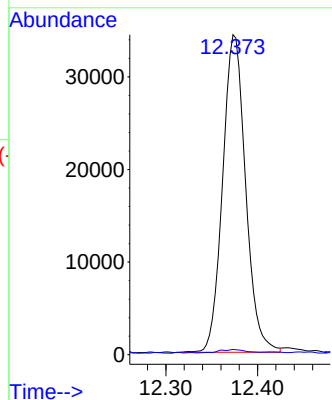
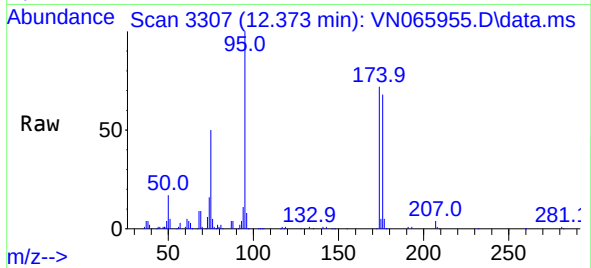




#76
1,2,3-Trichloropropane
Concen: 23.39 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

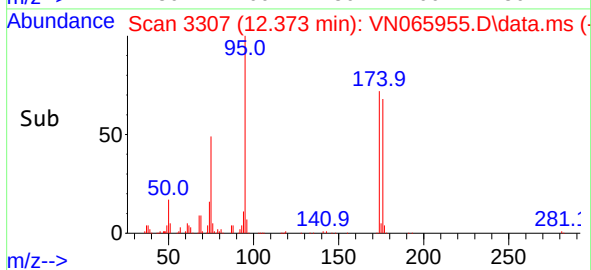
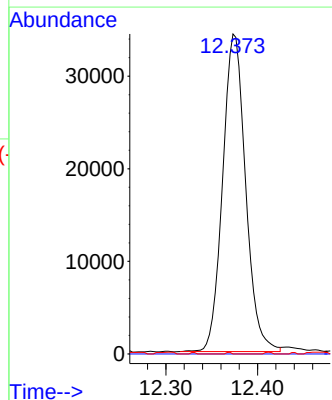
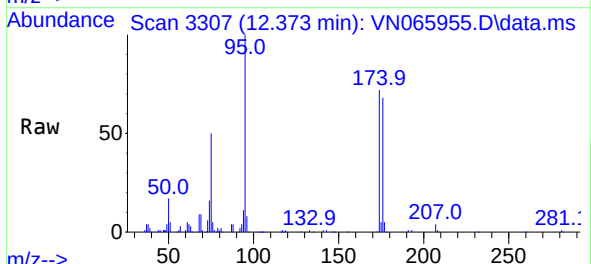
Instrument :
MSVOA_N
ClientSampleId :

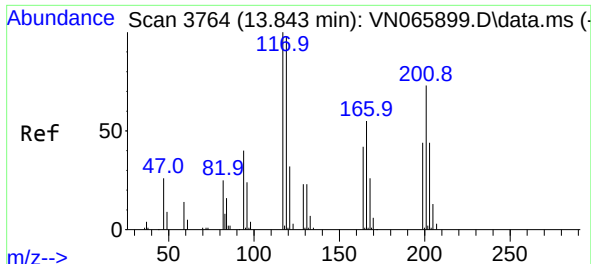
Tgt Ion: 75 Resp: 59667
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.54 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 75 Resp: 59667
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

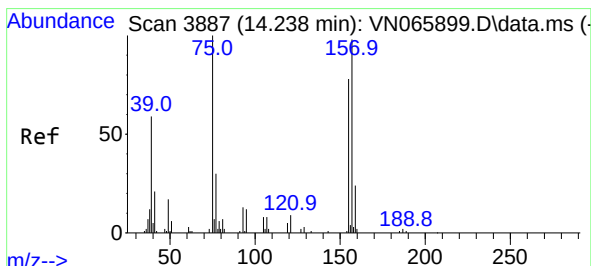
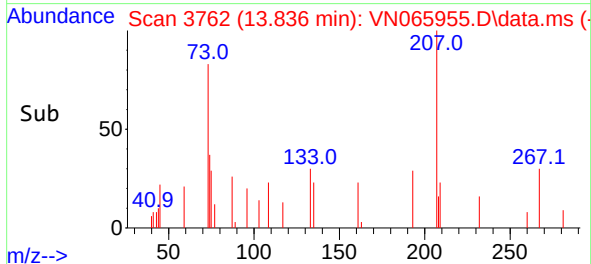
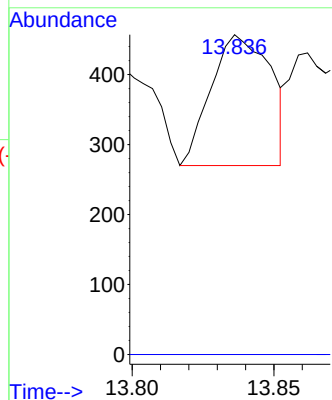
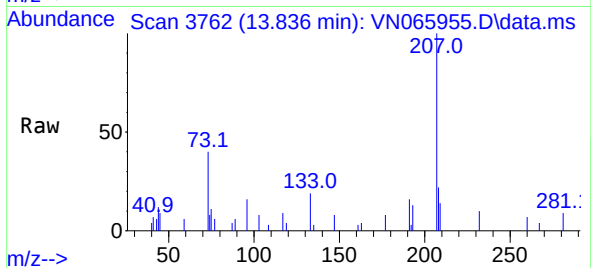




#90
Hexachloroethane
Concen: 0.22 ug/l
RT: 13.836 min Scan# 3762
Delta R.T. -0.007 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

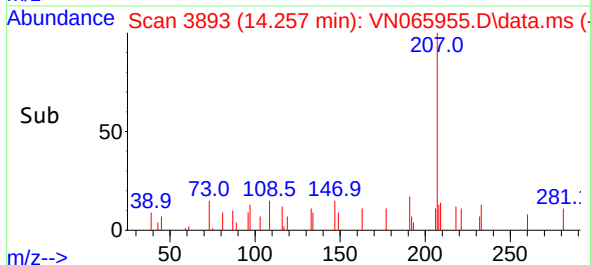
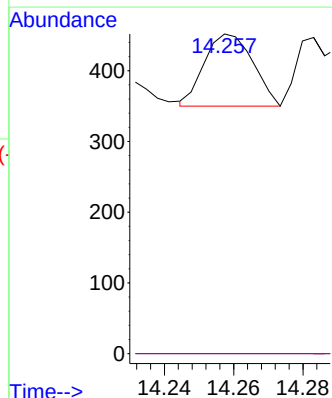
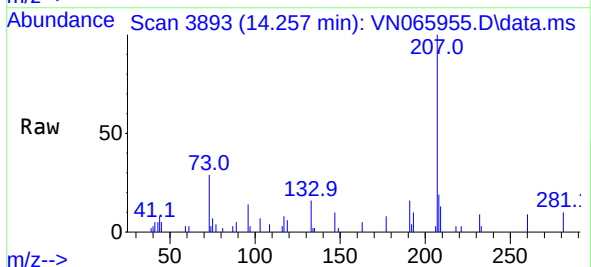
Instrument :
MSVOA_N
ClientSampleId :

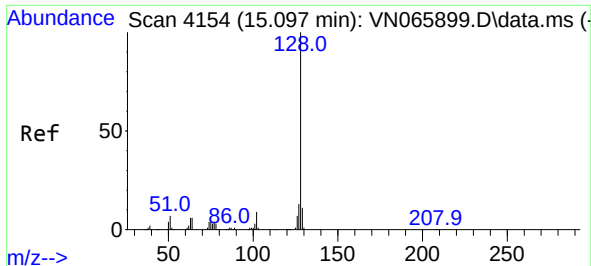
Tgt Ion:117 Resp: 273
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.04 ug/l
RT: 14.257 min Scan# 3893
Delta R.T. 0.019 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

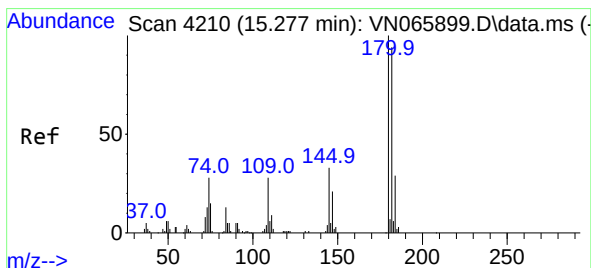
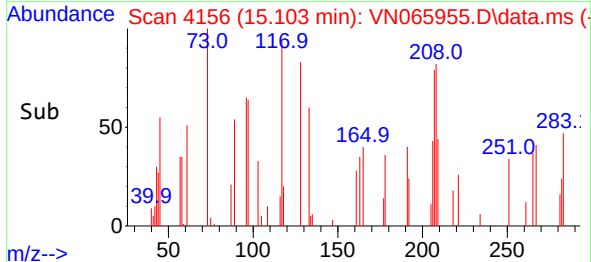
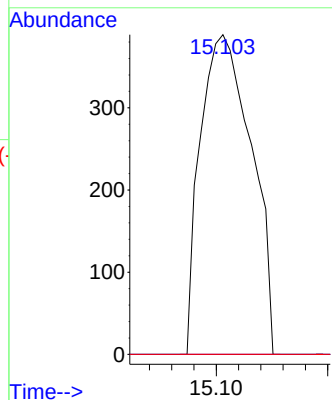
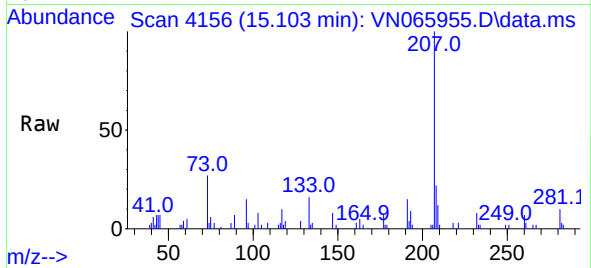




#95
Naphthalene
Concen: 3.15 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 619
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.22 ug/l
RT: 15.277 min Scan# 4210
Delta R.T. -0.000 min
Lab File: VN065955.D
Acq: 22 Feb 2021 13:22

Tgt Ion:180 Resp: 98
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 245.9 16.5 49.5#

