

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
 Data File : VN065317.D
 Acq On : 30 Dec 2020 13:53
 Operator : JC/MD
 Sample : PB133547TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 31 03:01:54 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)

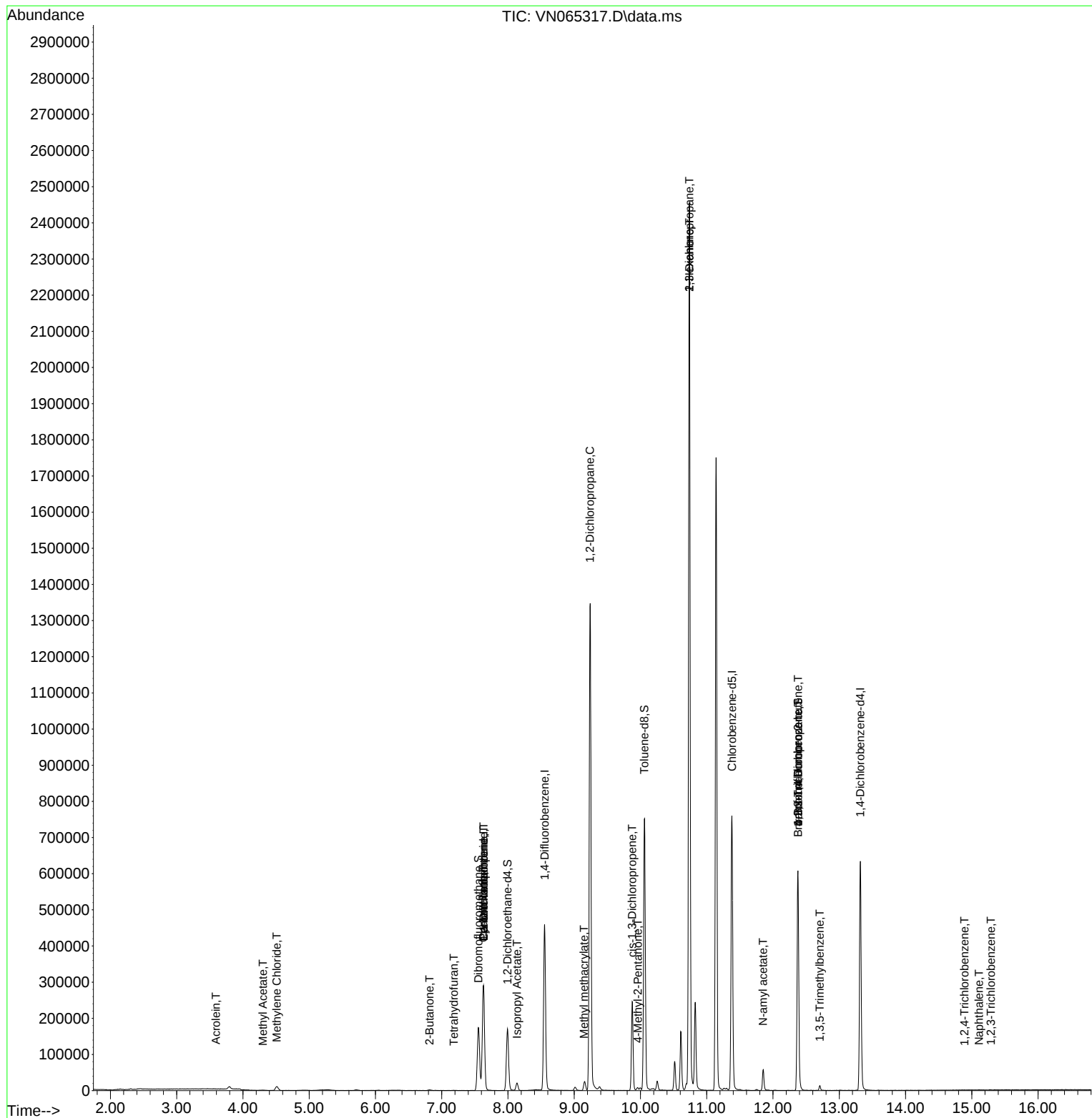
Internal Standards						
1) Pentafluorobenzene	7.631	168	263929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	435747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	471396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	194805	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	150932	50.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.32%			
35) Dibromofluoromethane	7.553	113	133399	50.74	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.48%			
50) Toluene-d8	10.058	98	547672	55.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.16%			
62) 4-Bromofluorobenzene	12.376	95	214449	54.52	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 109.04%			
Target Compounds						Qvalue
13) Acrolein	3.592	56	88	2.68	ug/l #	64
16) Acetone	3.798	43	10485	Below Cal		96
18) Methyl Acetate	4.303	43	1379	0.52	ug/l #	50
20) Methylene Chloride	4.512	84	9050	3.11	ug/l	92
25) 2-Butanone	6.817	43	2270	1.36	ug/l #	49
29) Tetrahydrofuran	7.184	42	797	0.74	ug/l #	32
31) Cyclohexane	7.627	56	4427	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.631	75	16389	4.14	ug/l #	49
38) Carbon Tetrachloride	7.631	117	22059	5.30	ug/l #	16
43) Isopropyl Acetate	8.135	43	25254	3.73	ug/l	98
45) 1,2-Dichloropropane	9.238	63	1552	0.51	ug/l #	43
48) Methyl methacrylate	9.148	41	6364	1.94	ug/l #	12
51) 4-Methyl-2-Pentanone	9.958	43	5869	1.54	ug/l	89
54) cis-1,3-Dichloropropene	9.875	75	46697	8.89	ug/l #	60
57) 1,3-Dichloropropane	10.737	76	26462	5.46	ug/l #	42
59) 2-Hexanone	10.737	43	348875	124.70	ug/l #	49
71) Bromoform	12.380	173	1318	0.41	ug/l #	1
74) N-amyl acetate	11.849	43	18844	3.19	ug/l #	50
76) 1,2,3-Trichloropropane	12.376	75	104492	26.29	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.708	105	7478	0.59	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.376	75	104492	66.30	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.891	180	93	2.86	ug/l #	62
95) Naphthalene	15.109	128	675	3.43	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.289	180	184	3.27	ug/l #	75

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123020\
Data File : VN065317.D
Acq On : 30 Dec 2020 13:53
Operator : JC/MD
Sample : PB133547TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 31 03:01:54 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

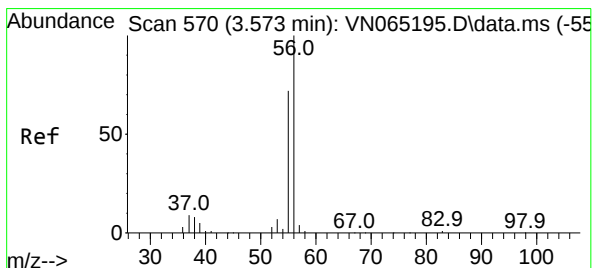
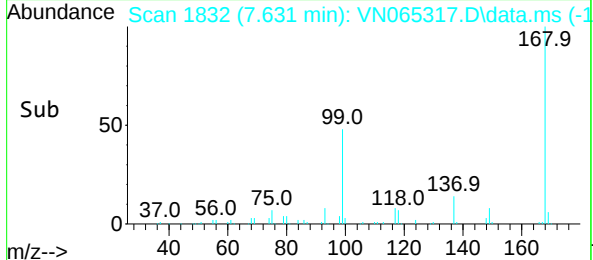
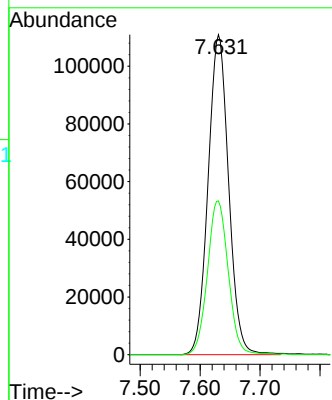
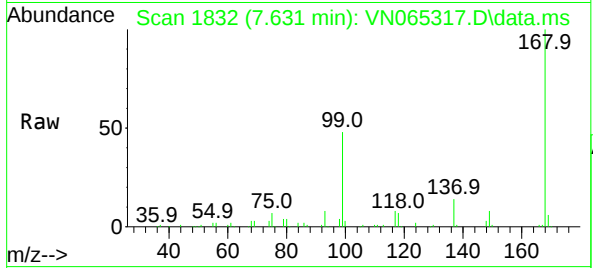




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. 0.004 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

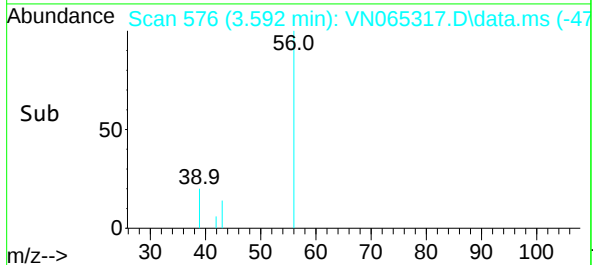
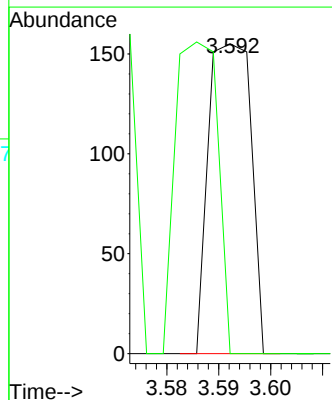
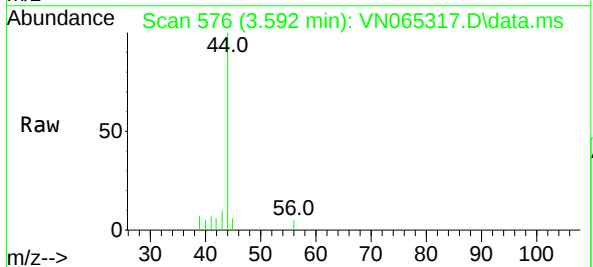
Instrument :
MSVOA_N
ClientSampleId :

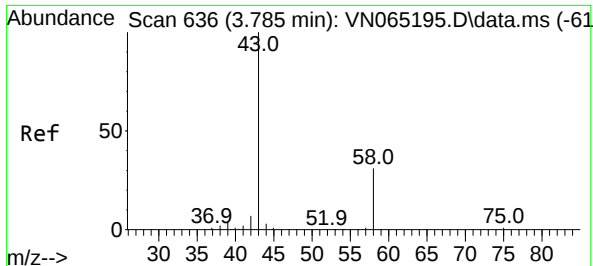
Tgt Ion:168 Resp: 263929
Ion Ratio Lower Upper
168 100
99 48.0 43.0 64.4



#13
Acrolein
Concen: 2.68 ug/l
RT: 3.592 min Scan# 576
Delta R.T. 0.019 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 100.0 56.5 84.7#

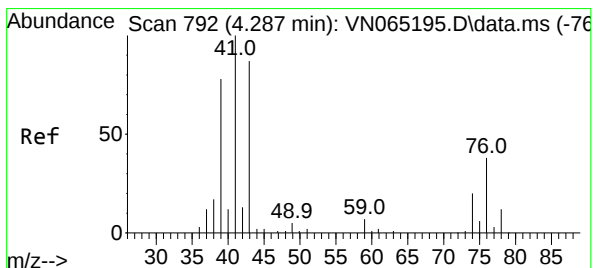
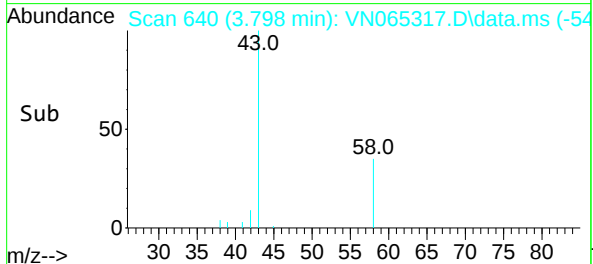
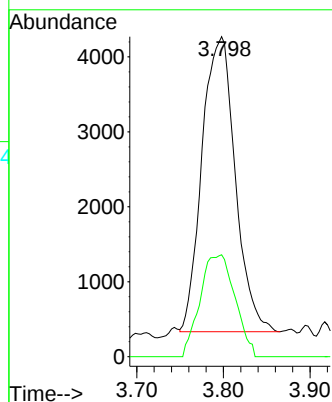
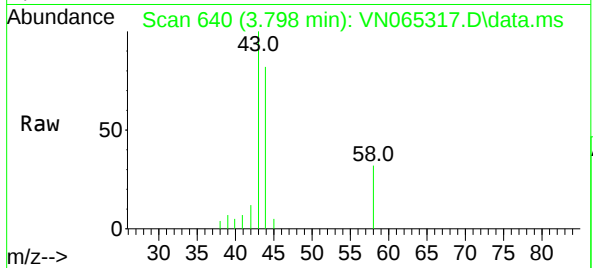




#16
Acetone
Concen: Below Cal
RT: 3.798 min Scan# 640
Delta R.T. 0.013 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

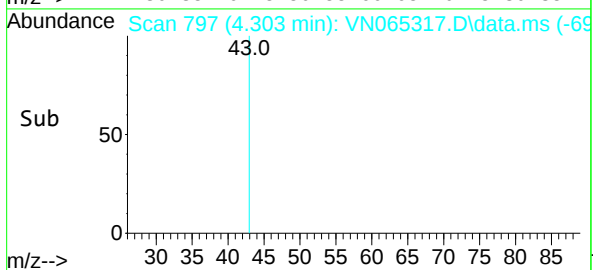
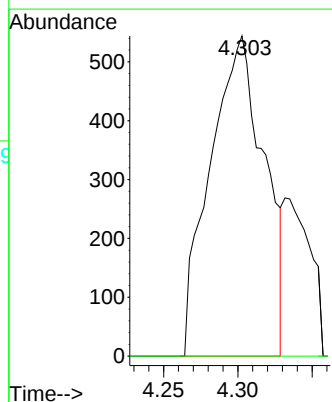
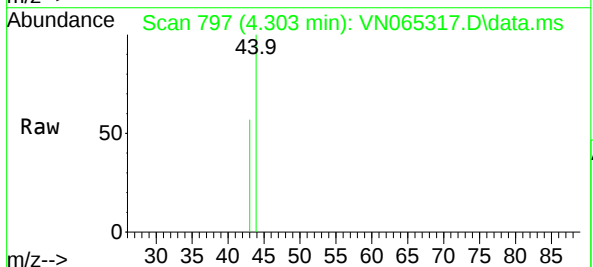
Instrument :
MSVOA_N
ClientSampled :

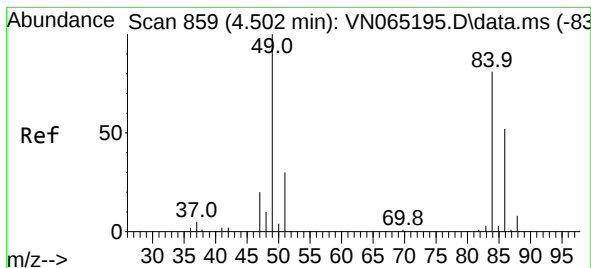
Tgt Ion: 43 Resp: 10485
Ion Ratio Lower Upper
43 100
58 34.6 25.7 38.5



#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 4.303 min Scan# 797
Delta R.T. 0.016 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





#20

Methylene Chloride

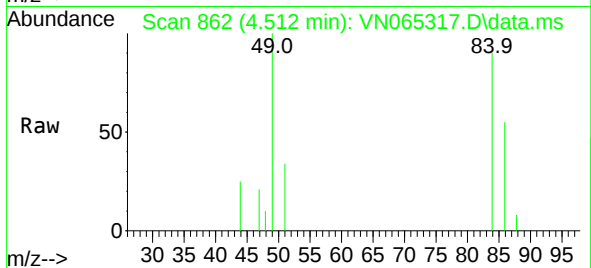
Concen: 3.11 ug/l

RT: 4.512 min Scan# 862

Delta R.T. 0.010 min

Lab File: VN065317.D

Acq: 30 Dec 2020 13:53



Tgt Ion: 84 Resp: 9050

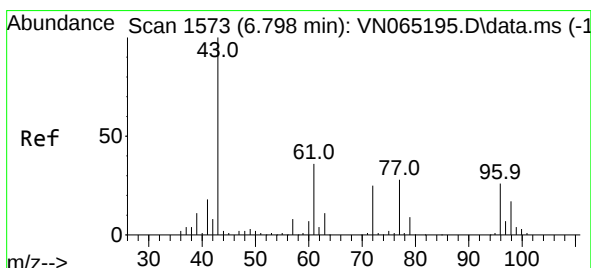
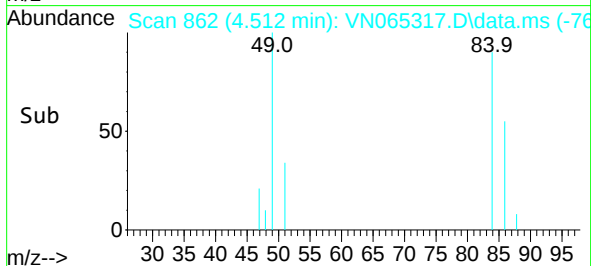
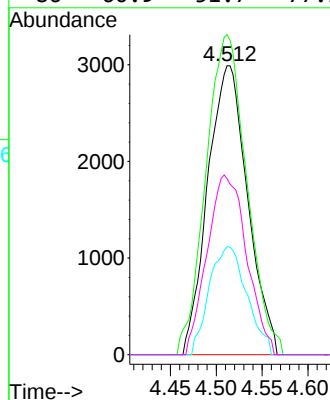
Ion Ratio Lower Upper

84 100

49 105.5 93.4 140.0

51 37.4 28.2 42.4

86 60.9 51.7 77.5



#25

2-Butanone

Concen: 1.36 ug/l

RT: 6.817 min Scan# 1579

Delta R.T. 0.019 min

Lab File: VN065317.D

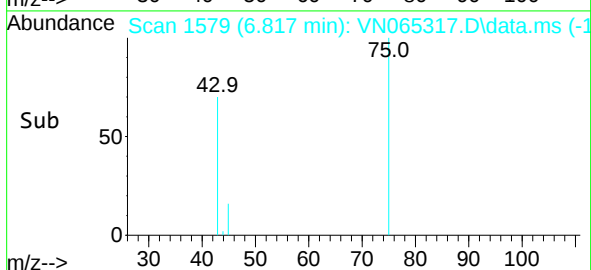
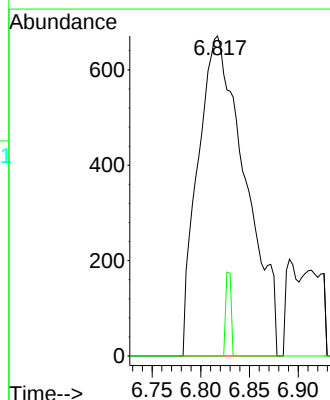
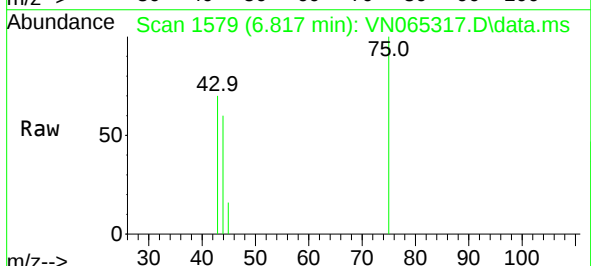
Acq: 30 Dec 2020 13:53

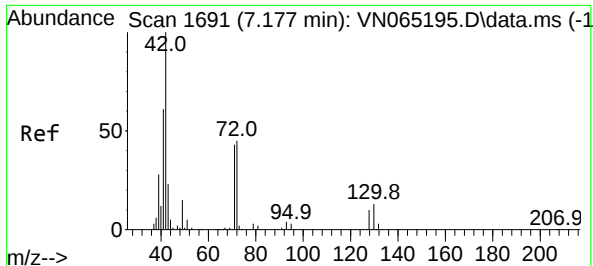
Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.74 ug/l

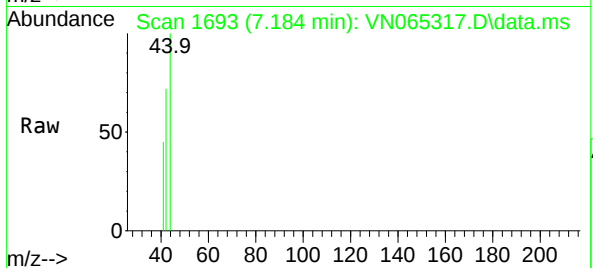
RT: 7.184 min Scan# 1693

Delta R.T. 0.007 min

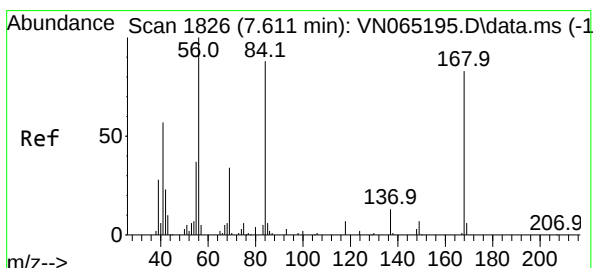
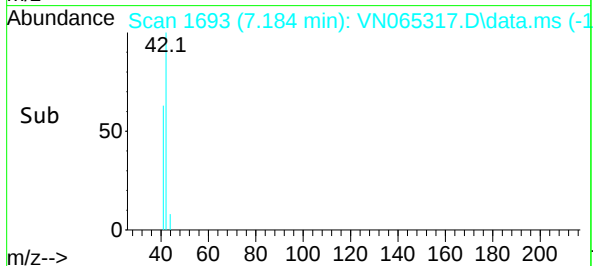
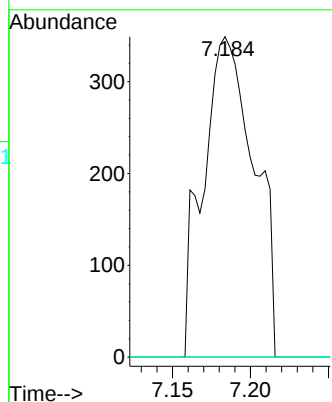
Lab File: VN065317.D

Acq: 30 Dec 2020 13:53

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	797
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	54.8#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.01 ug/l

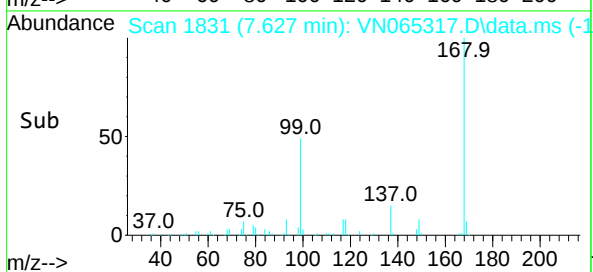
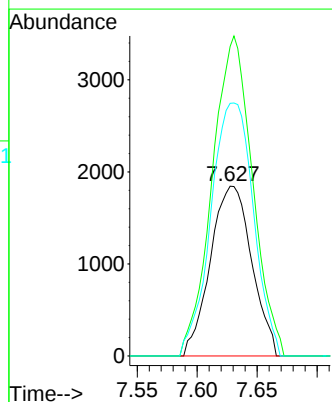
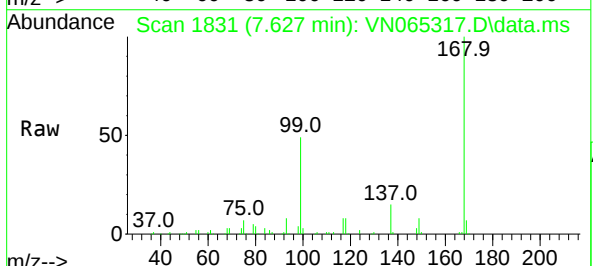
RT: 7.627 min Scan# 1831

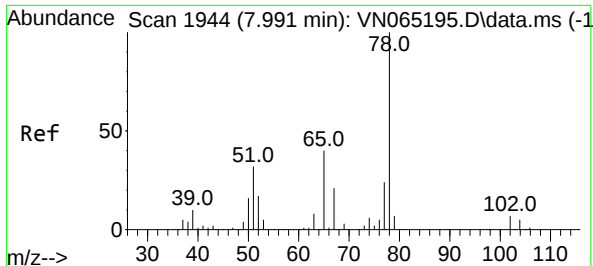
Delta R.T. 0.016 min

Lab File: VN065317.D

Acq: 30 Dec 2020 13:53

Tgt Ion:	56	Resp:	4427
Ion	Ratio	Lower	Upper
56	100		
69	182.2	27.5	41.3#
84	148.8	73.9	110.9#

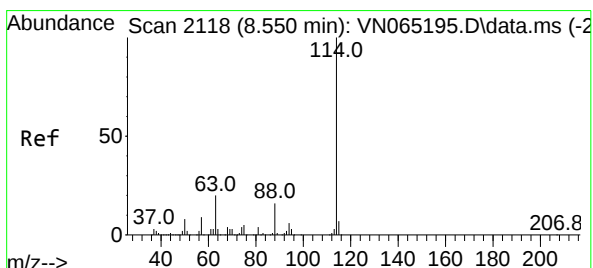
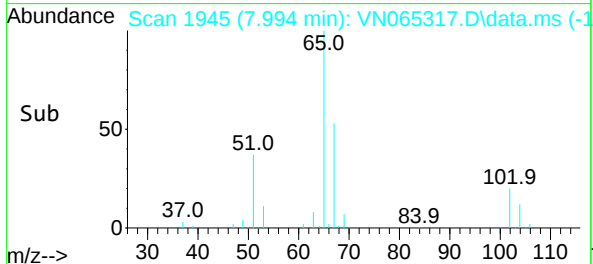
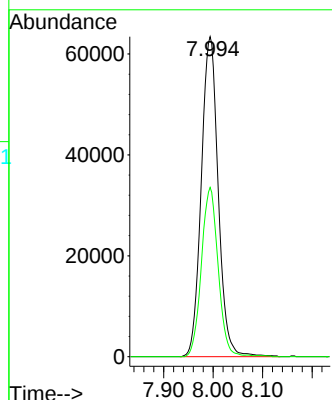
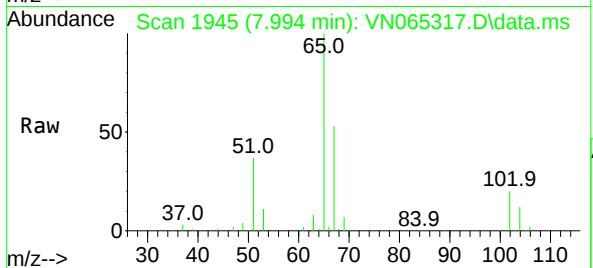




#33
1,2-Dichloroethane-d4
Concen: 50.66 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.003 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

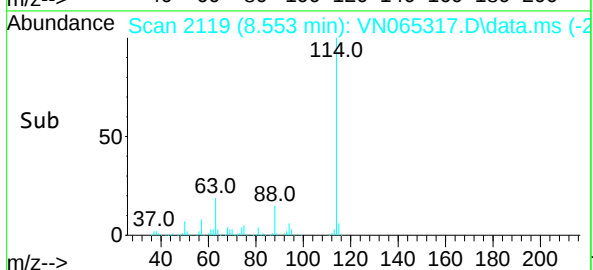
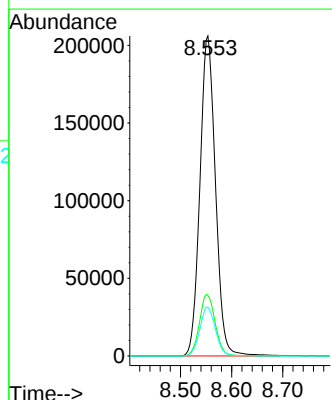
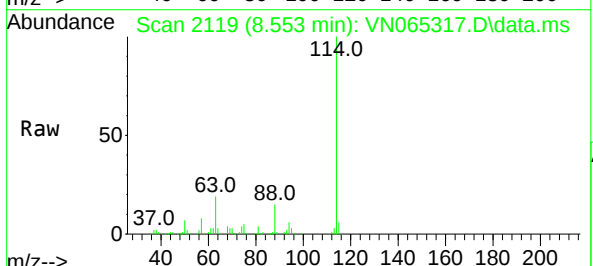
Instrument :
MSVOA_N
ClientSampleId :

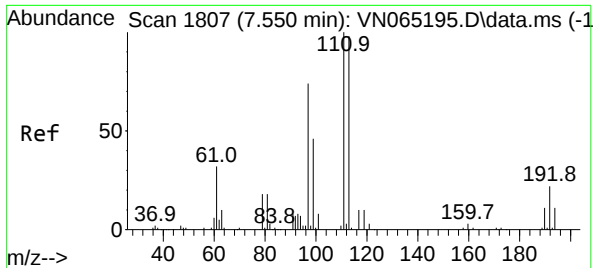
Tgt Ion: 65 Resp: 150932
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

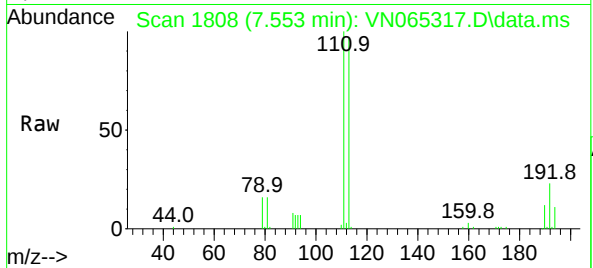
Tgt Ion: 114 Resp: 435747
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.3 0.0 32.6



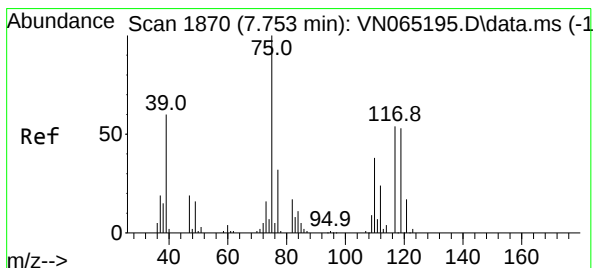
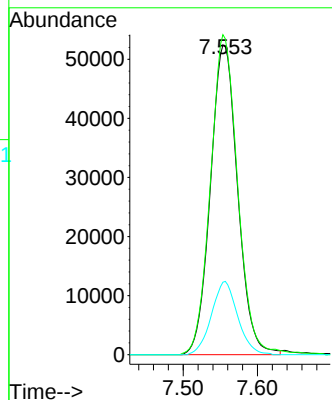
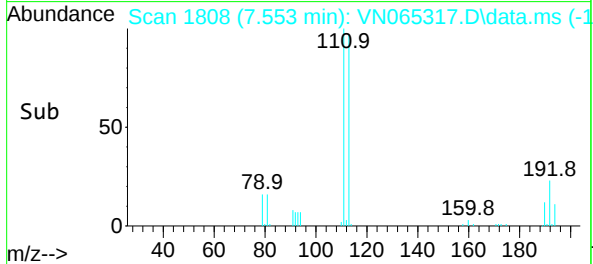


#35
Dibromofluoromethane
Concen: 50.74 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

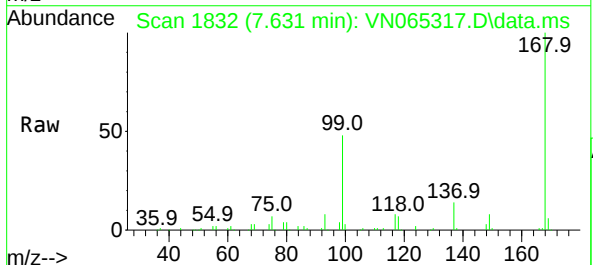
Instrument :
MSVOA_N
ClientSampleId :



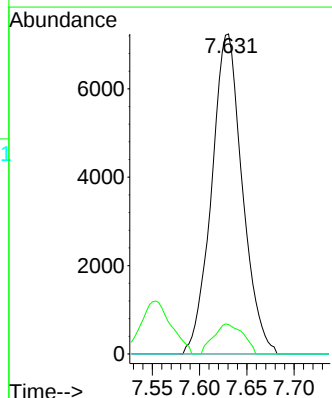
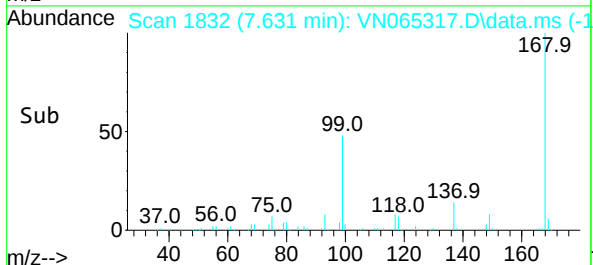
Tgt Ion:113 Resp: 133399
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 22.8 16.2 24.2

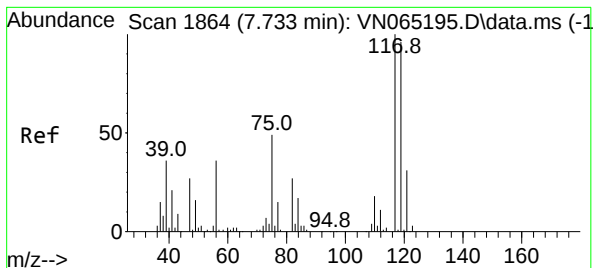


#36
1,1-Dichloropropene
Concen: 4.14 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.122 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53



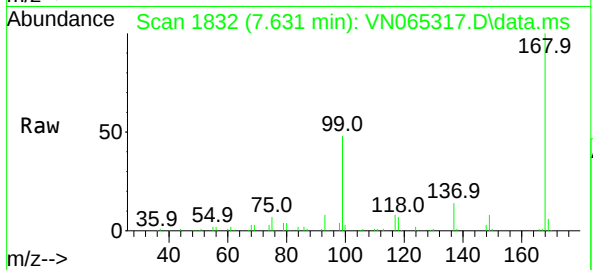
Tgt Ion: 75 Resp: 16389
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#



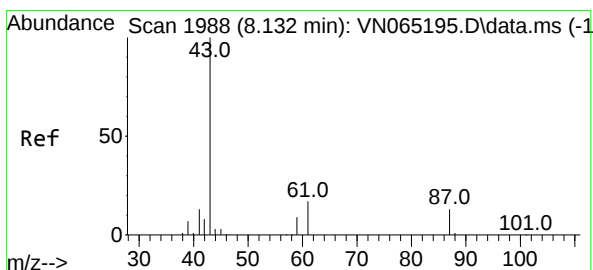
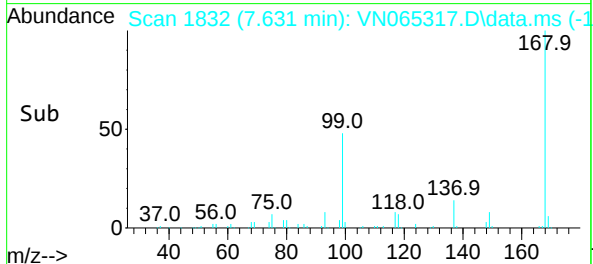
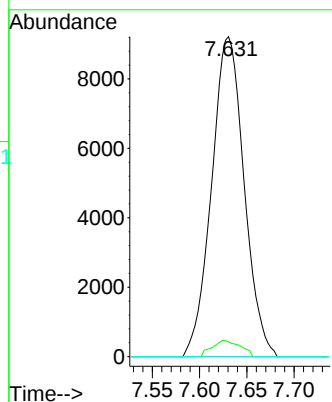


#38
Carbon Tetrachloride
Concen: 5.30 ug/l
RT: 7.631 min Scan# 1832
Delta R.T. -0.102 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Instrument :
MSVOA_N
ClientSampled :

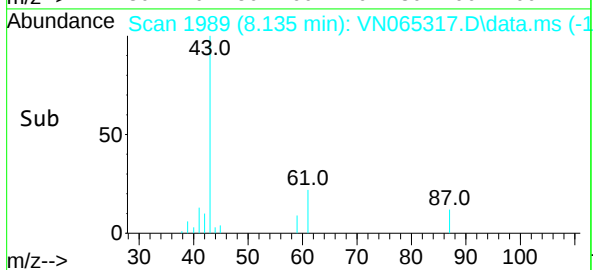
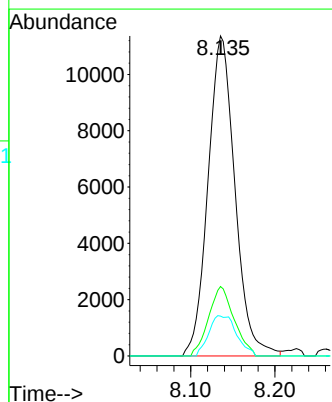
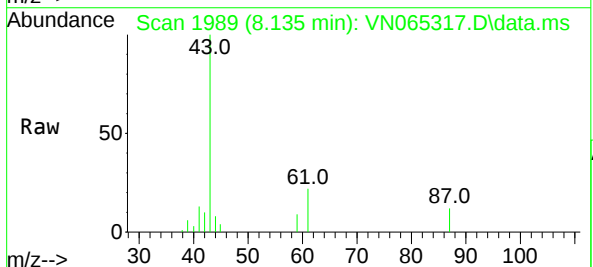


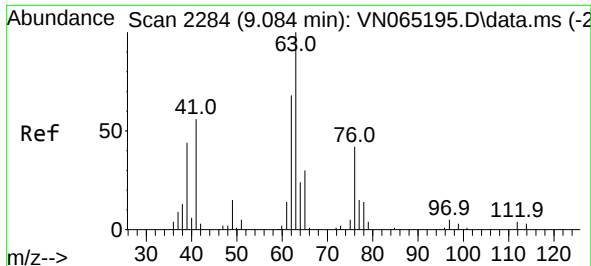
Tgt Ion:117 Resp: 22059
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 3.73 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 43 Resp: 25254
Ion Ratio Lower Upper
43 100
61 20.5 17.2 25.8
87 13.0 11.4 17.0

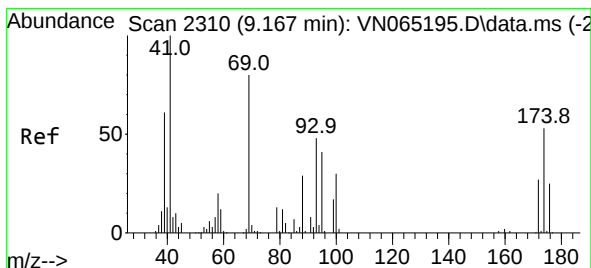
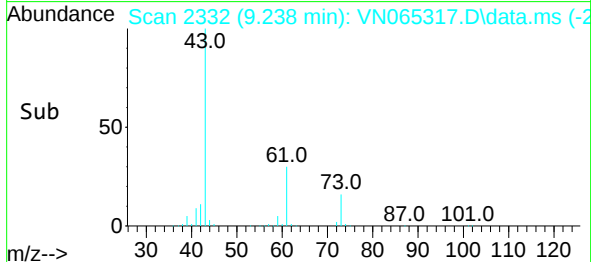
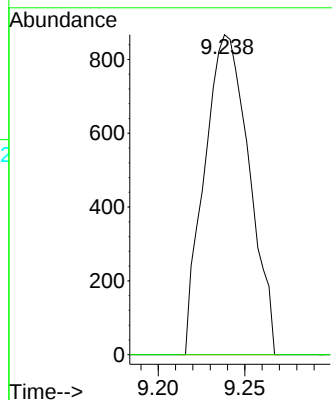
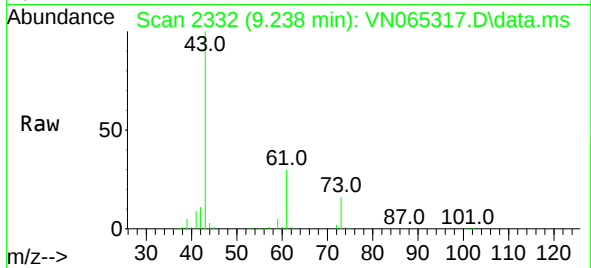




#45
1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.238 min Scan# 2332
Delta R.T. 0.154 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

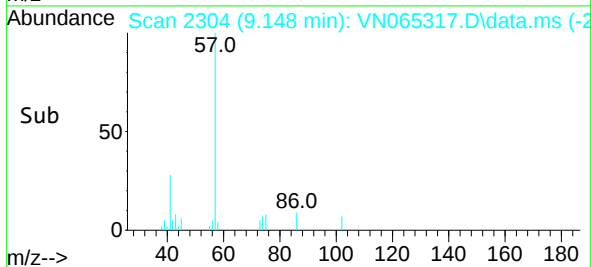
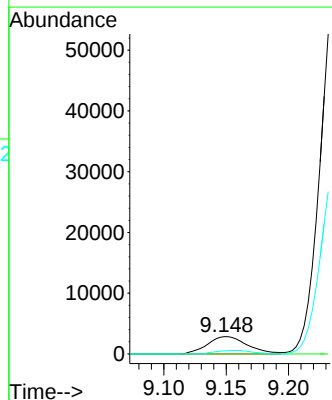
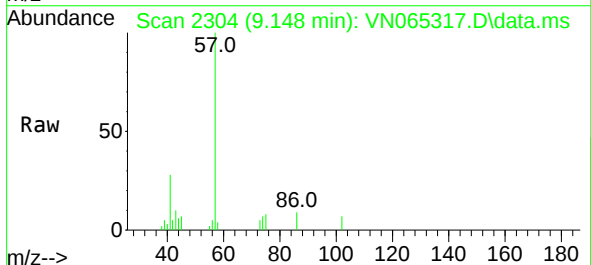
Instrument :
MSVOA_N
ClientSampled :

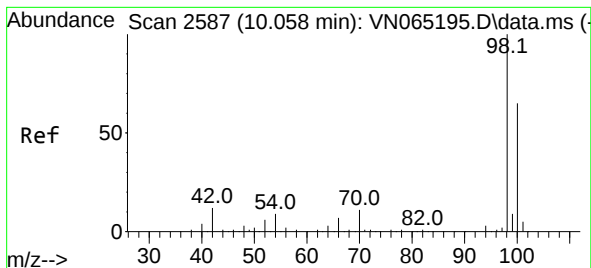
Tgt Ion: 63 Resp: 1552
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 1.94 ug/l
RT: 9.148 min Scan# 2304
Delta R.T. -0.019 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 41 Resp: 6364
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#

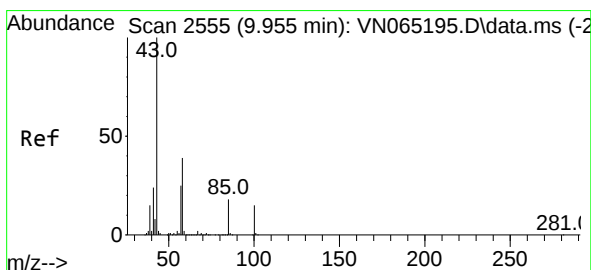
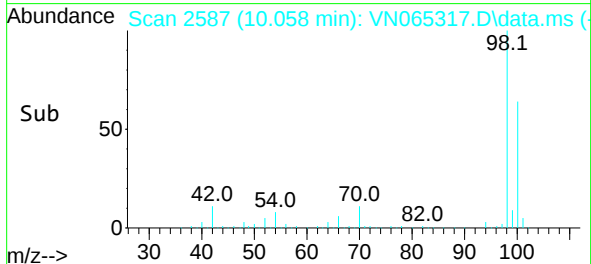
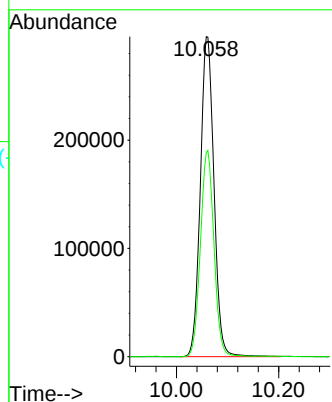
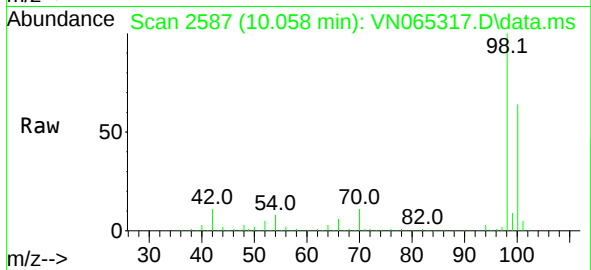




#50
Toluene-d8
Concen: 55.58 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

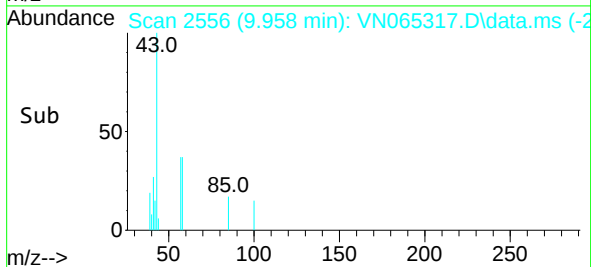
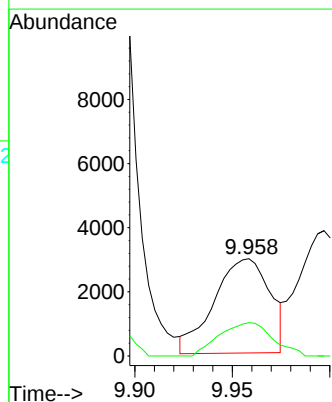
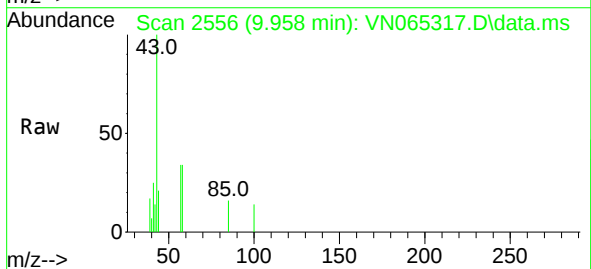
Instrument :
MSVOA_N
ClientSampled :

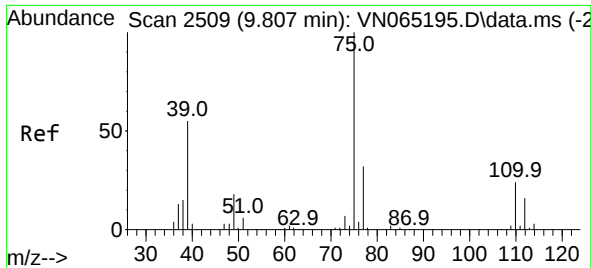
Tgt Ion: 98 Resp: 547672
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.54 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 43 Resp: 5869
Ion Ratio Lower Upper
43 100
58 33.6 32.4 48.6

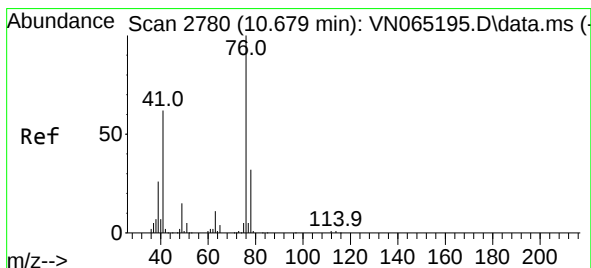
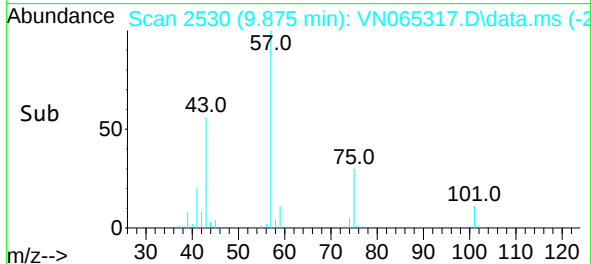
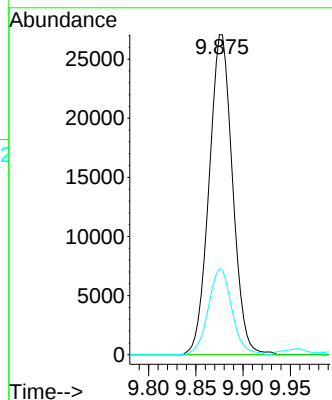
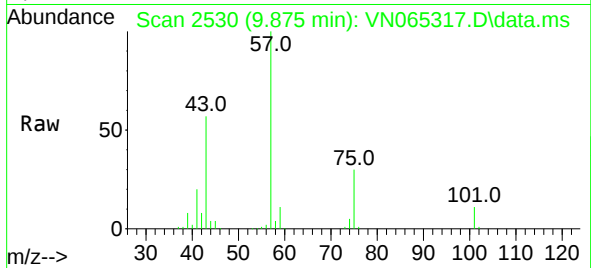




#54
 cis-1,3-Dichloropropene
 Concen: 8.89 ug/l
 RT: 9.875 min Scan# 2530
 Delta R.T. 0.068 min
 Lab File: VN065317.D
 Acq: 30 Dec 2020 13:53

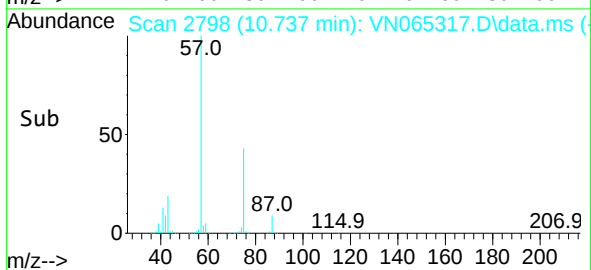
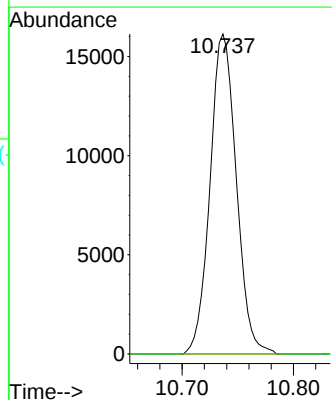
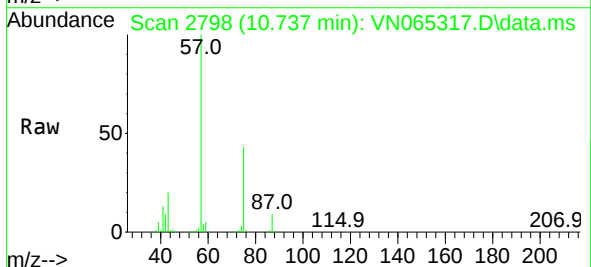
Instrument :
 MSVOA_N
 ClientSampled :

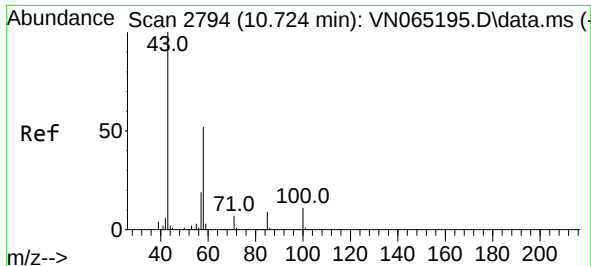
Tgt Ion: 75 Resp: 46697
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 26.8 35.6 53.4#



#57
 1,3-Dichloropropane
 Concen: 5.46 ug/l
 RT: 10.737 min Scan# 2798
 Delta R.T. 0.058 min
 Lab File: VN065317.D
 Acq: 30 Dec 2020 13:53

Tgt Ion: 76 Resp: 26462
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

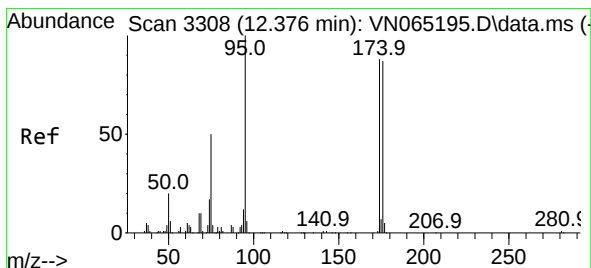
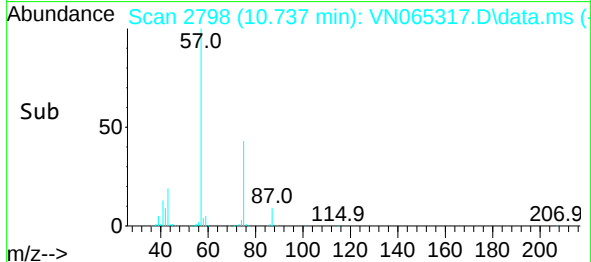
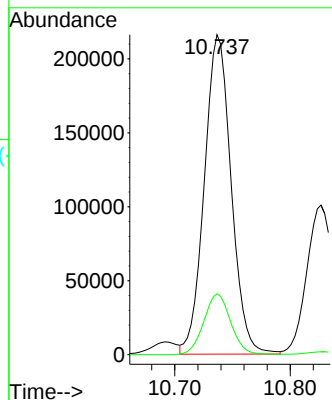
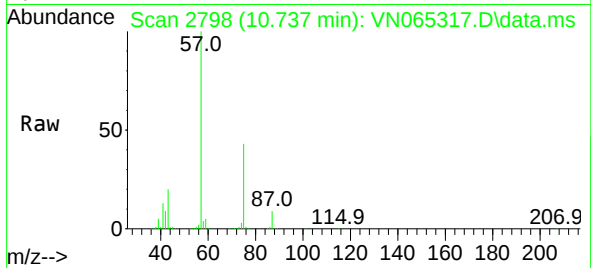




#59
2-Hexanone
Concen: 124.70 ug/l
RT: 10.737 min Scan# 2798
Delta R.T. 0.013 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

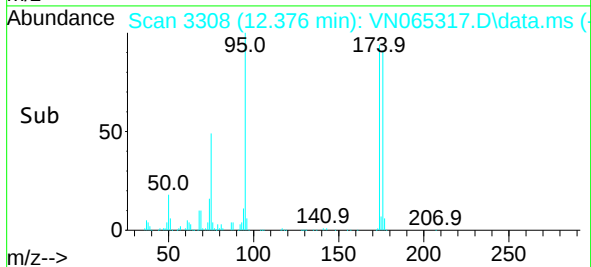
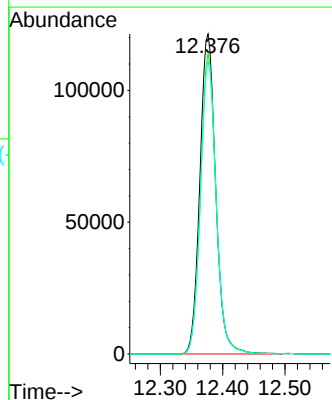
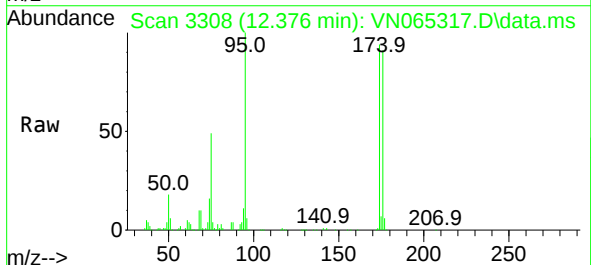
Instrument :
MSVOA_N
ClientSampleId :

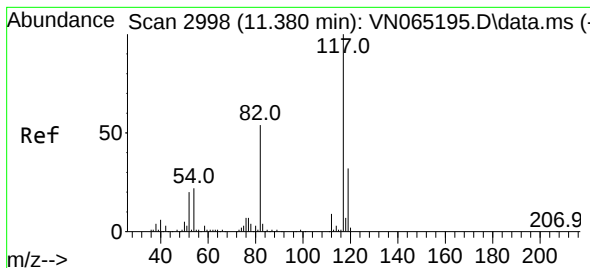
Tgt Ion: 43 Resp: 348875
Ion Ratio Lower Upper
43 100
58 19.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.52 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 95 Resp: 214449
Ion Ratio Lower Upper
95 100
174 92.9 0.0 160.4
176 90.5 0.0 158.4

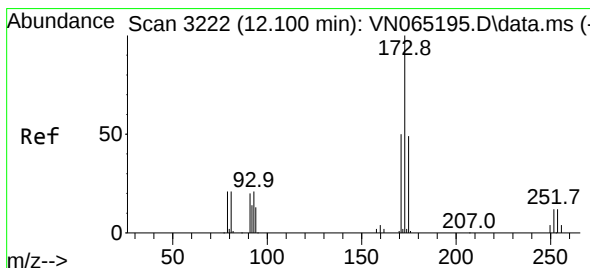
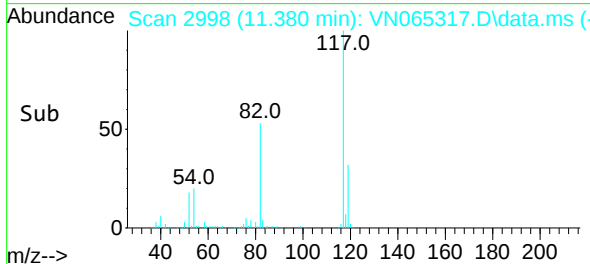
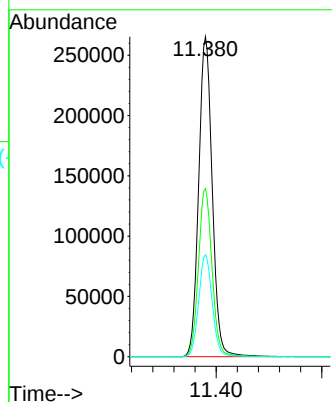
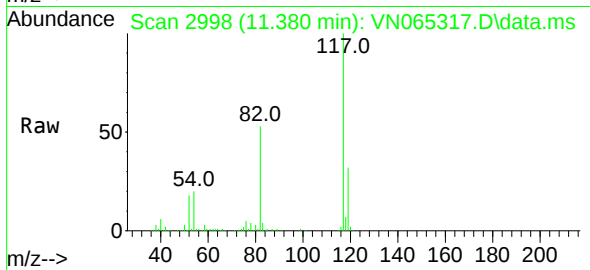




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

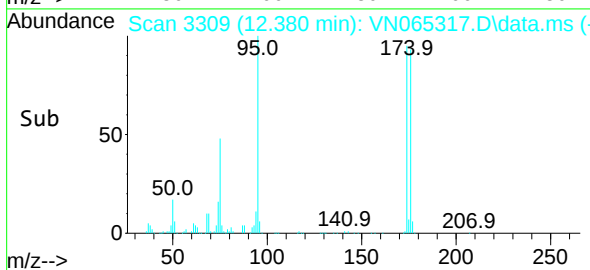
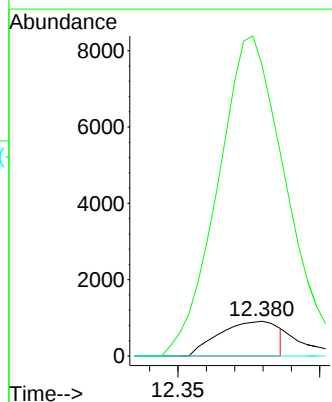
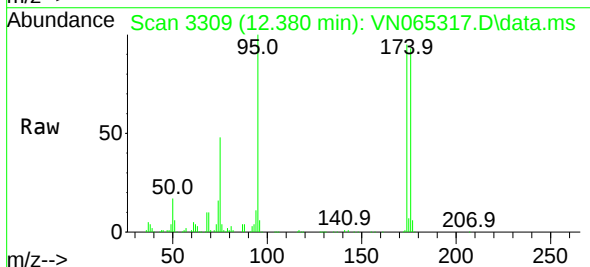
Instrument :
MSVOA_N
ClientSampled :

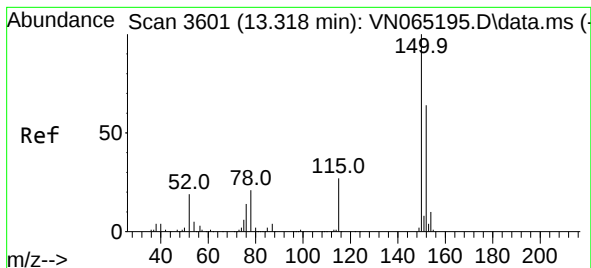
Tgt Ion:117 Resp: 471396
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 31.8 25.8 38.6



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.380 min Scan# 3309
Delta R.T. 0.280 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion:173 Resp: 1318
Ion Ratio Lower Upper
173 100
175 882.4 24.3 72.8#
254 0.0 0.0 0.0

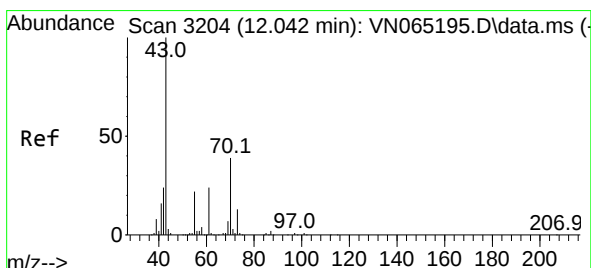
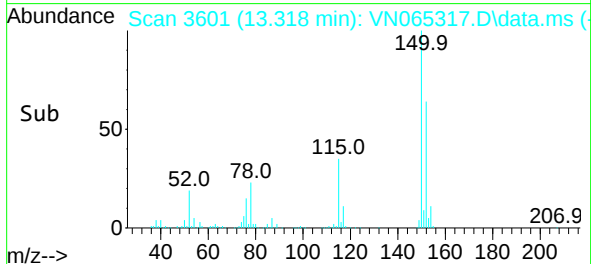
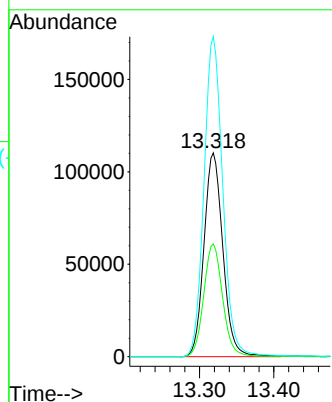
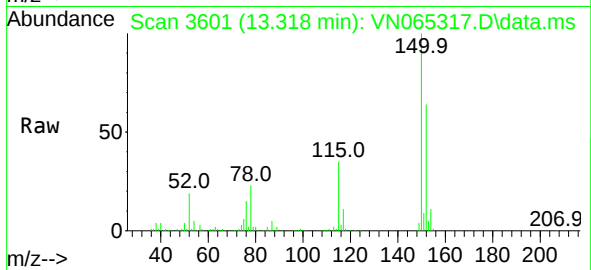




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.318 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

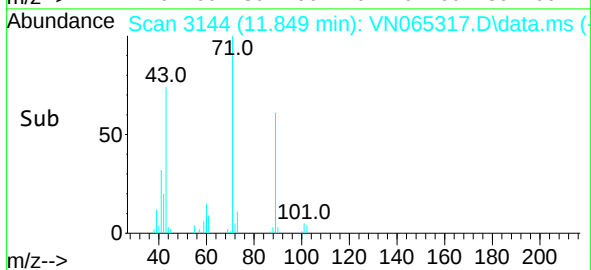
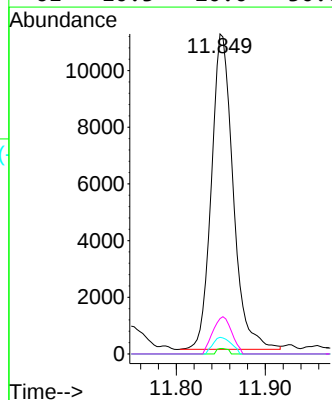
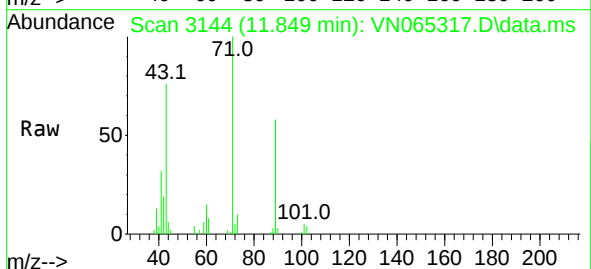
Instrument :
MSVOA_N
ClientSampled :

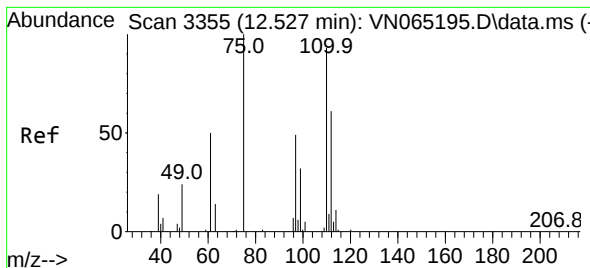
Tgt Ion:152 Resp: 194805
Ion Ratio Lower Upper
152 100
115 55.3 29.7 89.1
150 156.3 0.0 350.6



#74
N-ethyl acetate
Concen: 3.19 ug/l
RT: 11.849 min Scan# 3144
Delta R.T. -0.193 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 43 Resp: 18844
Ion Ratio Lower Upper
43 100
70 0.9 34.5 51.7#
55 4.4 20.4 30.6#
61 10.3 20.0 30.0#

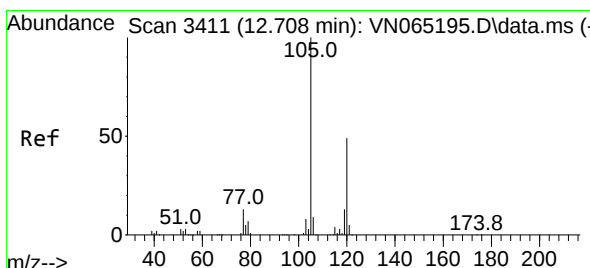
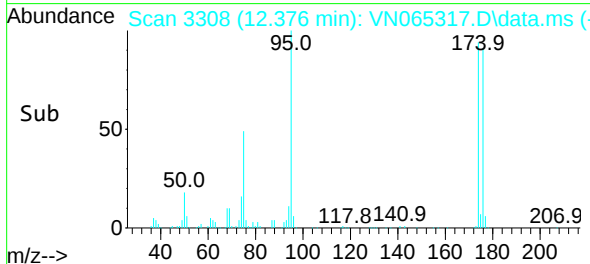
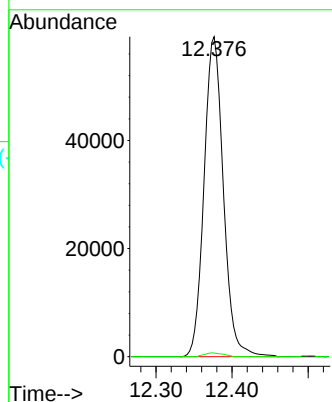
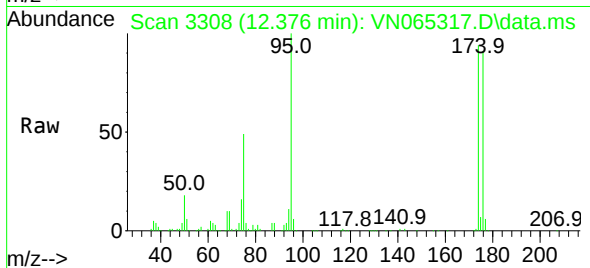




#76
1,2,3-Trichloropropane
Concen: 26.29 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

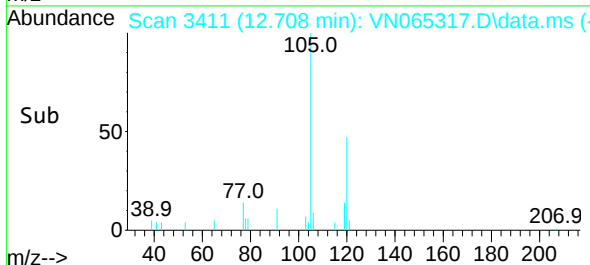
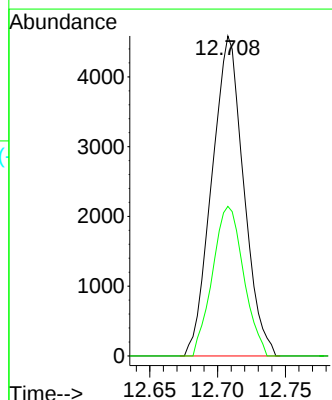
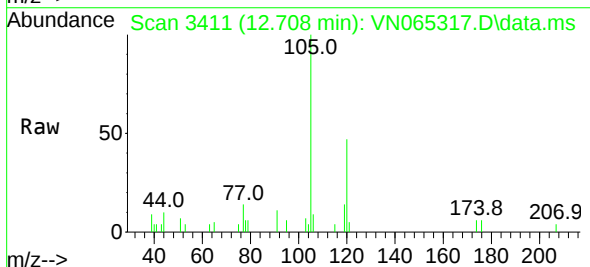
Instrument :
MSVOA_N
ClientSampleId :

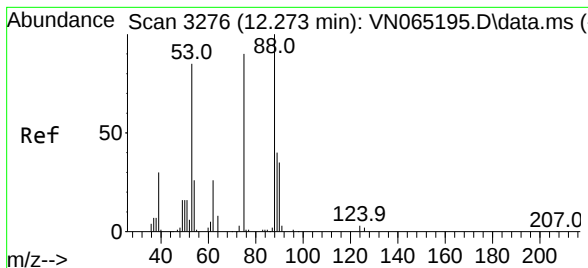
Tgt Ion: 75 Resp: 104492
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.59 ug/l
RT: 12.708 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

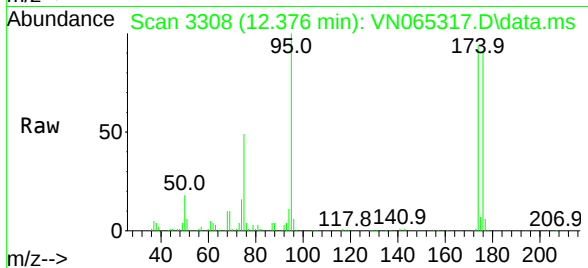
Tgt Ion: 105 Resp: 7478
Ion Ratio Lower Upper
105 100
120 45.7 24.6 73.6



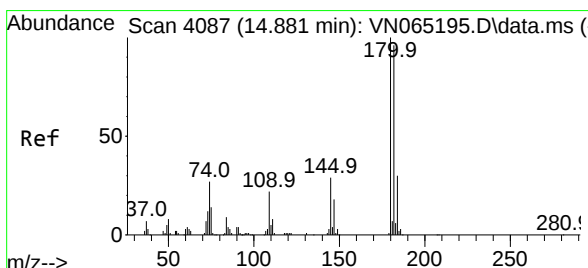
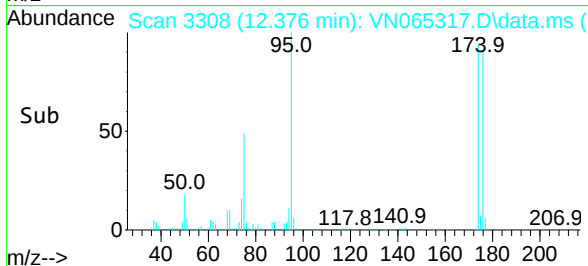
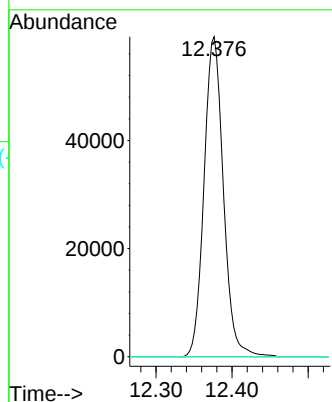


#81
trans-1,4-Dichloro-2-butene
Concen: 66.30 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Instrument :
MSVOA_N
ClientSampled :

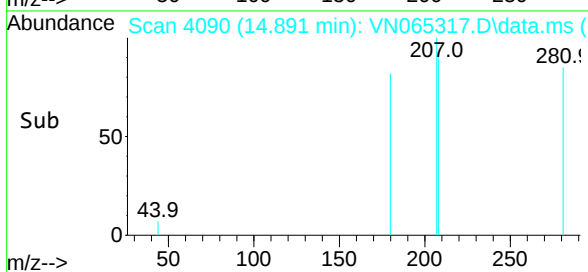
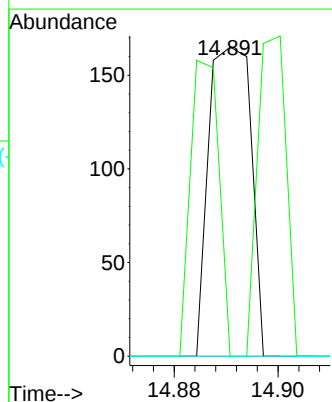
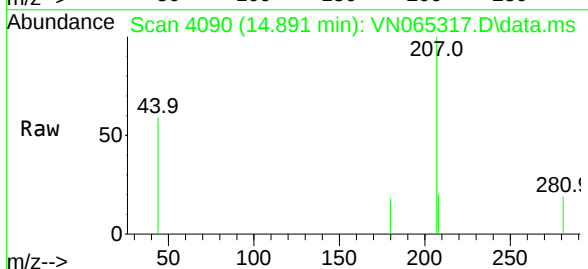


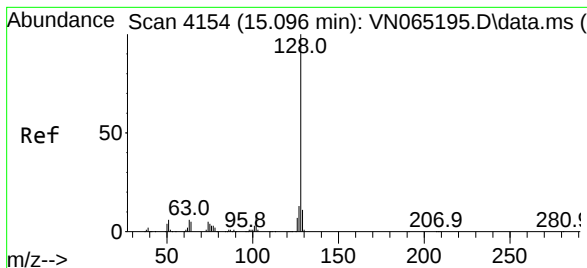
Tgt Ion: 75 Resp: 104492
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.86 ug/l
RT: 14.891 min Scan# 4090
Delta R.T. 0.010 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion: 180 Resp: 93
Ion Ratio Lower Upper
180 100
182 64.5 47.6 142.9
145 0.0 15.3 45.8#

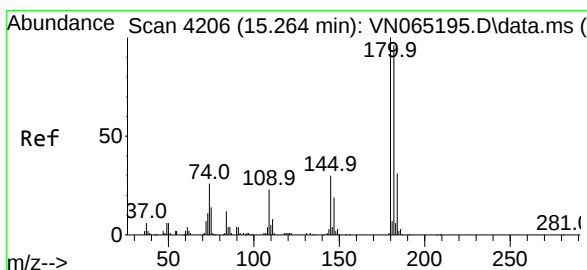
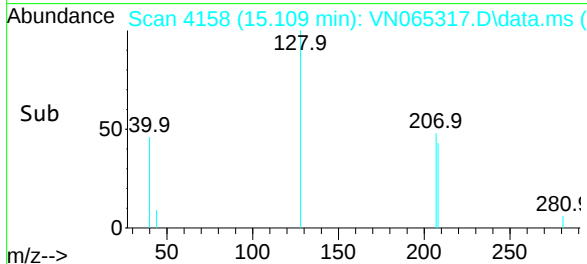
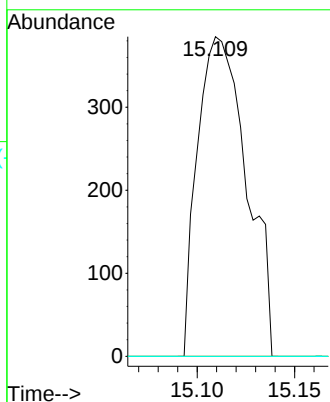
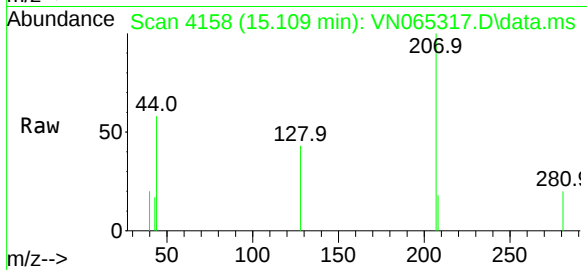




#95
Naphthalene
Concen: 3.43 ug/l
RT: 15.109 min Scan# 4158
Delta R.T. 0.013 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 675
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.27 ug/l
RT: 15.289 min Scan# 4214
Delta R.T. 0.025 min
Lab File: VN065317.D
Acq: 30 Dec 2020 13:53

Tgt Ion:180 Resp: 184
Ion Ratio Lower Upper
180 100
182 110.3 48.1 144.4
145 0.0 16.4 49.1#

