

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020821\
 Data File : VN065767.D
 Acq On : 8 Feb 2021 20:08
 Operator : JC/MD
 Sample : M1316-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 00:44:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

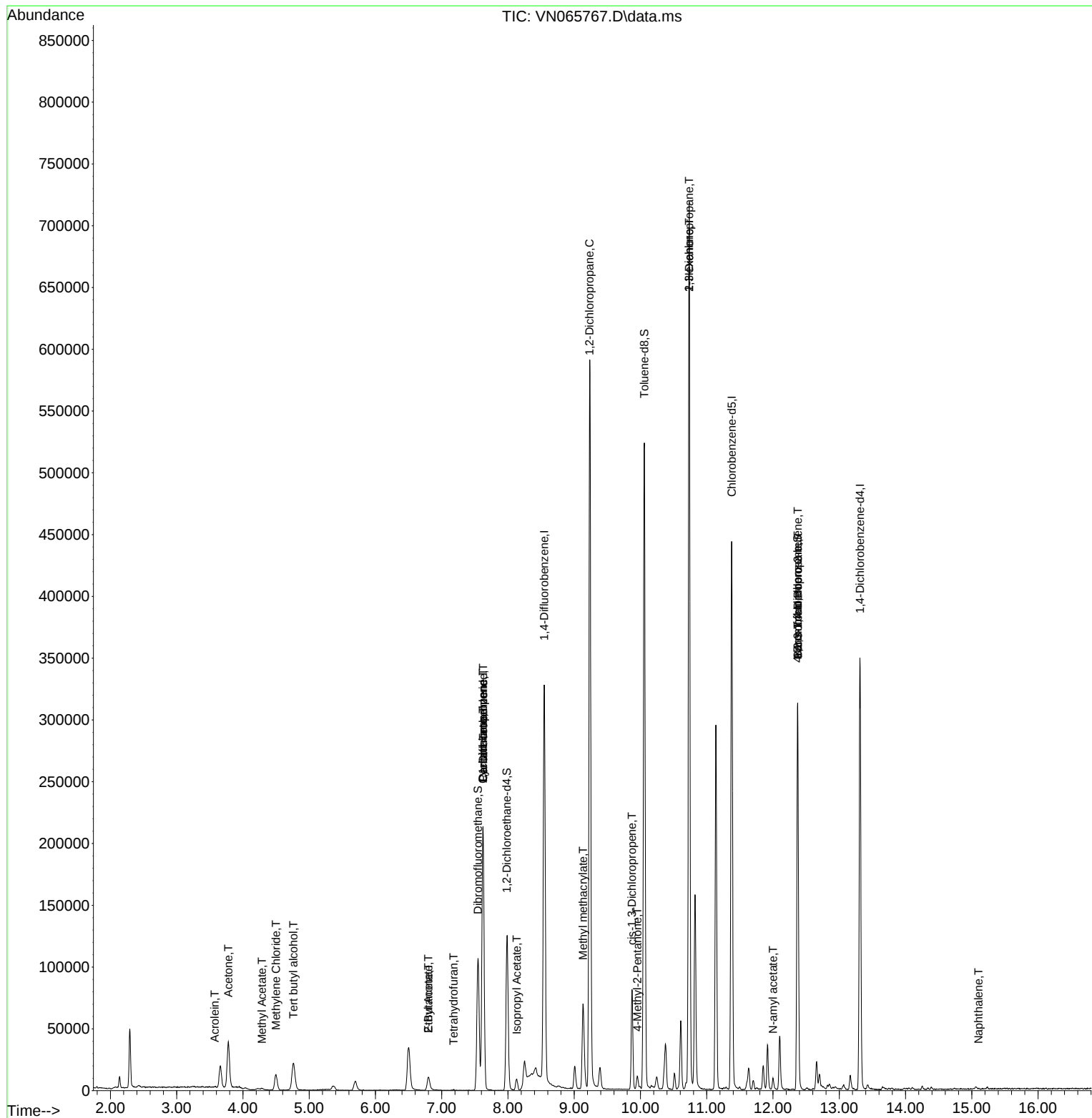
Internal Standards						
1) Pentafluorobenzene	7.624	168	181904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	305947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	274815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	101475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	105056	43.90	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.80%		
35) Dibromofluoromethane	7.547	113	87325	48.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.34%		
50) Toluene-d8	10.058	98	380451	53.38	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.76%		
62) 4-Bromofluorobenzene	12.370	95	123633	48.18	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.36%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.762	59	43395	96.81	ug/l	98
13) Acrolein	3.573	56	494	19.27	ug/l #	76
16) Acetone	3.779	43	58392	62.68	ug/l	97
18) Methyl Acetate	4.287	43	3292	1.26	ug/l #	66
20) Methylene Chloride	4.499	84	9810	3.80	ug/l	94
25) 2-Butanone	6.798	43	18502	12.67	ug/l	89
29) Tetrahydrofuran	7.180	42	426	0.40	ug/l #	44
31) Cyclohexane	7.621	56	3197	0.71	ug/l #	1
36) 1,1-Dichloropropene	7.621	75	13281	4.31	ug/l #	47
37) Ethyl Acetate	6.798	43	18502	6.26	ug/l #	68
38) Carbon Tetrachloride	7.624	117	16741	6.61	ug/l #	15
43) Isopropyl Acetate	8.132	43	11340	2.17	ug/l #	89
45) 1,2-Dichloropropane	9.232	63	673	0.26	ug/l #	44
48) Methyl methacrylate	9.132	41	20473	8.24	ug/l #	30
51) 4-Methyl-2-Pentanone	9.952	43	7220	2.50	ug/l	90
54) cis-1,3-Dichloropropene	9.872	75	15845	3.98	ug/l #	56
57) 1,3-Dichloropropane	10.733	76	7811	2.09	ug/l #	43
59) 2-Hexanone	10.733	43	103621	51.69	ug/l #	54
71) Bromoform	12.373	173	700	0.50	ug/l #	1
74) N-amyl acetate	12.000	43	5931	1.58	ug/l #	46
76) 1,2,3-Trichloropropane	12.373	75	56315	21.22	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	56315	54.36	ug/l #	12
95) Naphthalene	15.103	128	207	3.48	ug/l #	69

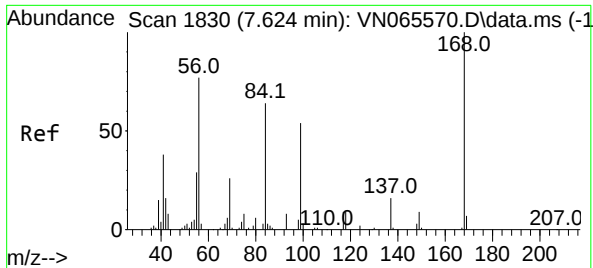
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

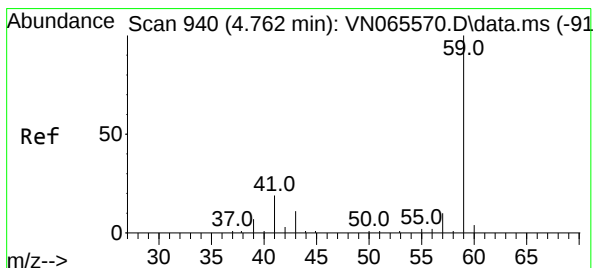
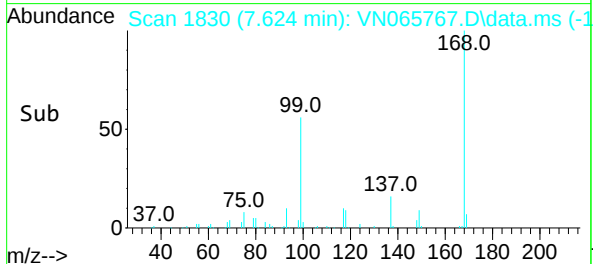
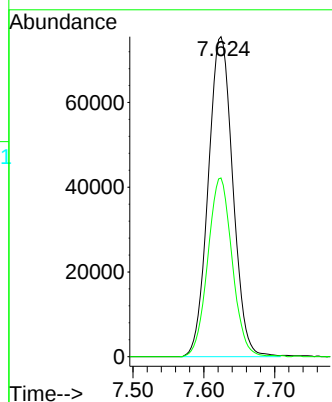
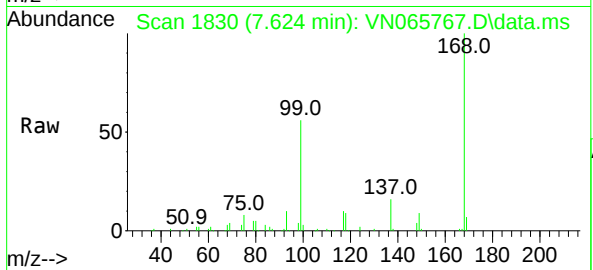




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

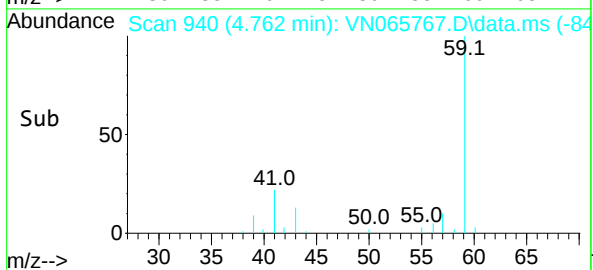
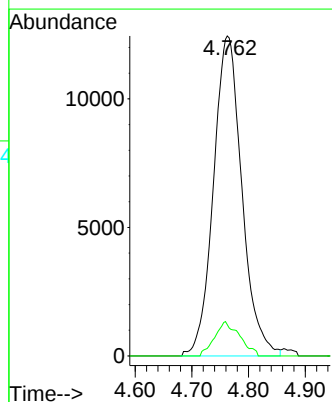
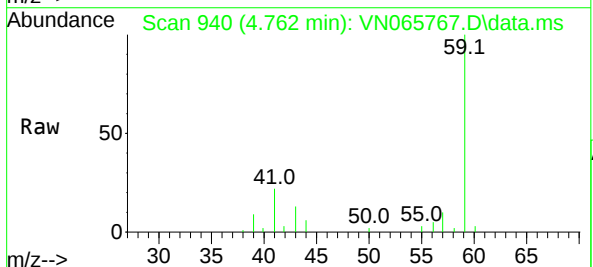
Instrument :
MSVOA_N
ClientSampled :

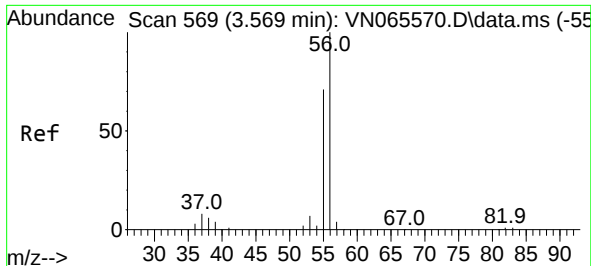
Tgt Ion:168 Resp: 181904
Ion Ratio Lower Upper
168 100
99 55.9 42.6 63.8



#11
Tert butyl alcohol
Concen: 96.81 ug/l
RT: 4.762 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 59 Resp: 43395
Ion Ratio Lower Upper
59 100
57 9.4 8.0 12.0

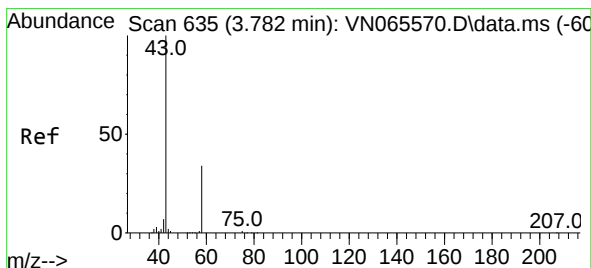
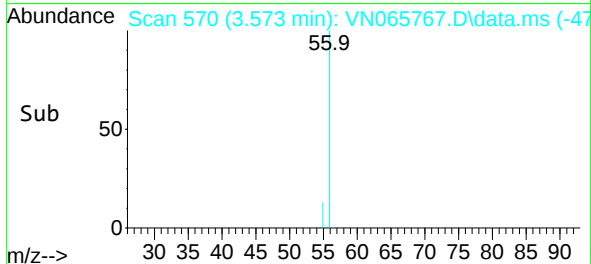
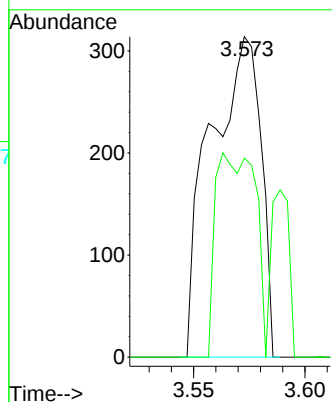
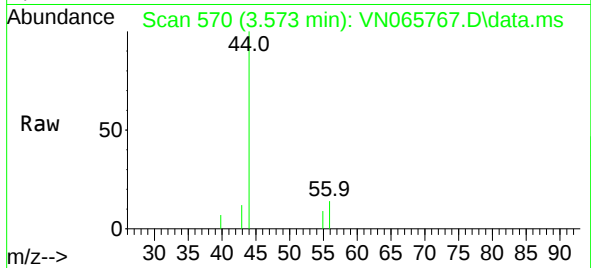




#13
Acrolein
Concen: 19.27 ug/l
RT: 3.573 min Scan# 570
Delta R.T. 0.004 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

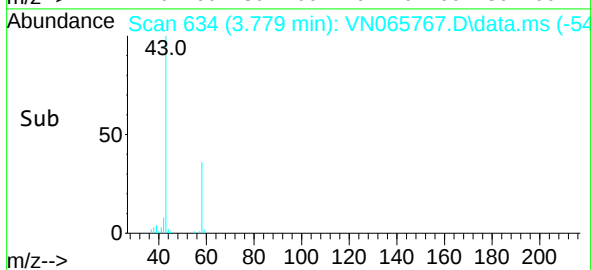
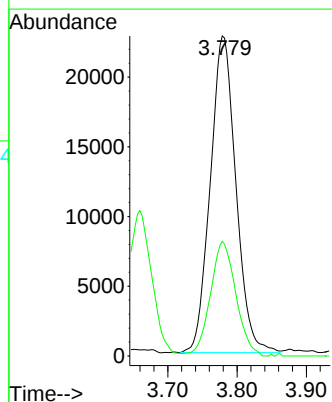
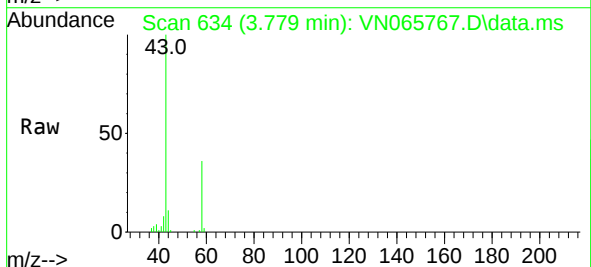
Instrument :
MSVOA_N
ClientSampled :

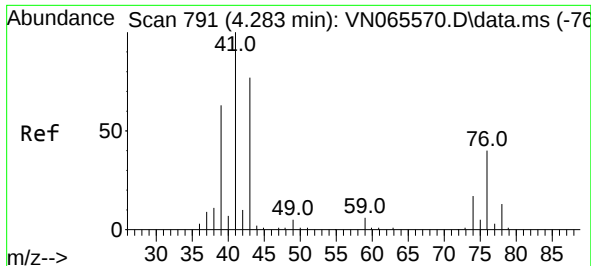
Tgt Ion: 56 Resp: 494
Ion Ratio Lower Upper
56 100
55 50.0 56.0 84.0#



#16
Acetone
Concen: 62.68 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

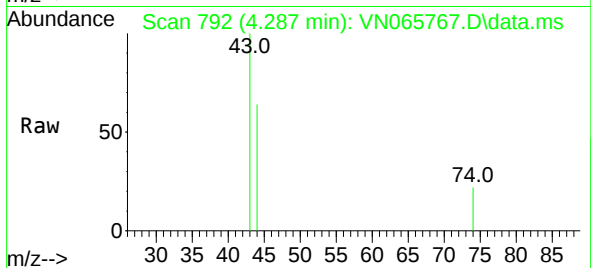
Tgt Ion: 43 Resp: 58392
Ion Ratio Lower Upper
43 100
58 35.5 27.0 40.6



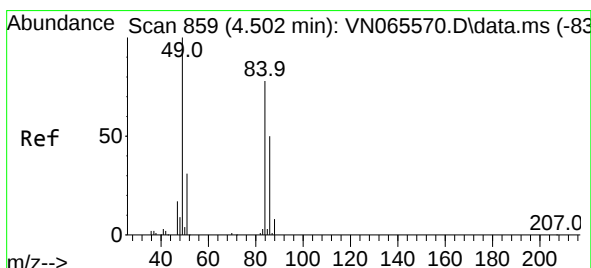
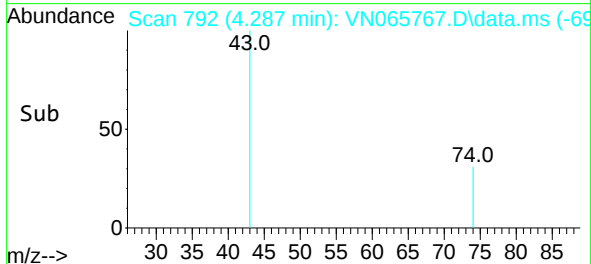
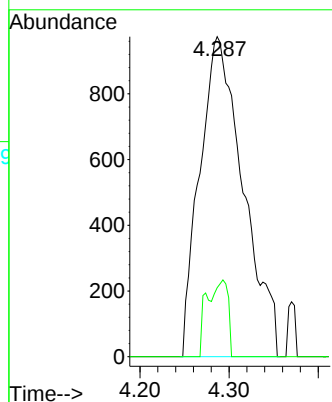


#18
Methyl Acetate
Concen: 1.26 ug/l
RT: 4.287 min Scan# 792
Delta R.T. 0.004 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Instrument :
MSVOA_N
ClientSampled :

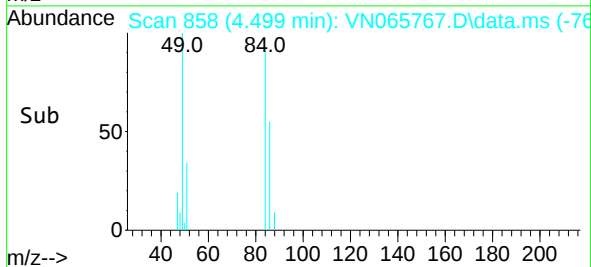
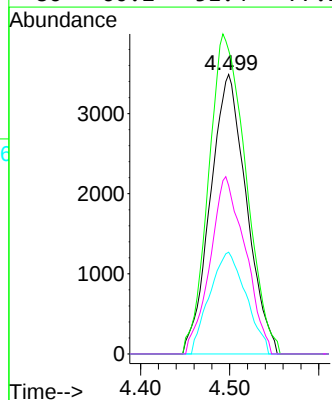
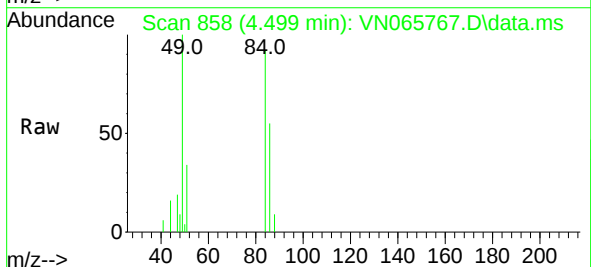


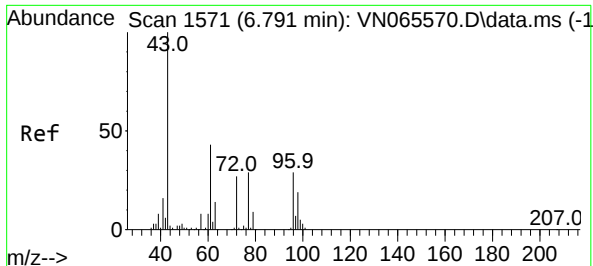
Tgt Ion: 43 Resp: 3292
Ion Ratio Lower Upper
43 100
74 7.4 19.5 29.3#



#20
Methylene Chloride
Concen: 3.80 ug/l
RT: 4.499 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

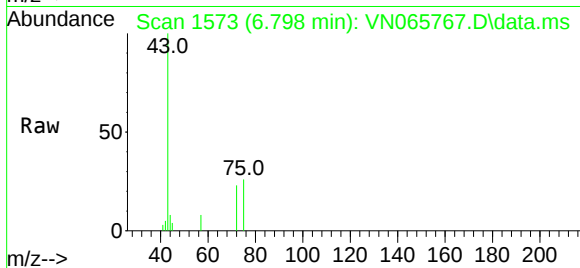
Tgt Ion: 84 Resp: 9810
Ion Ratio Lower Upper
84 100
49 108.7 94.6 141.8
51 36.4 29.9 44.9
86 60.2 51.4 77.2



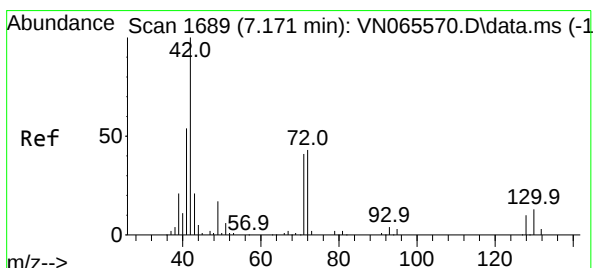
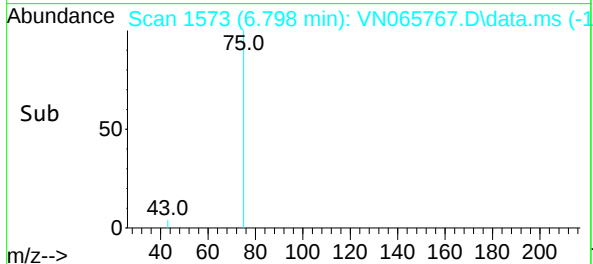
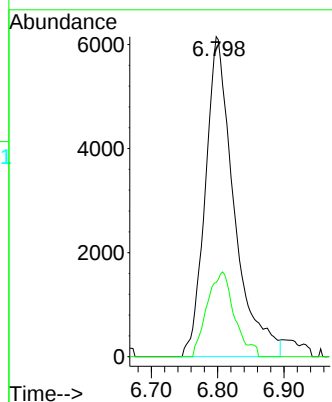


#25
2-Butanone
Concen: 12.67 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.007 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

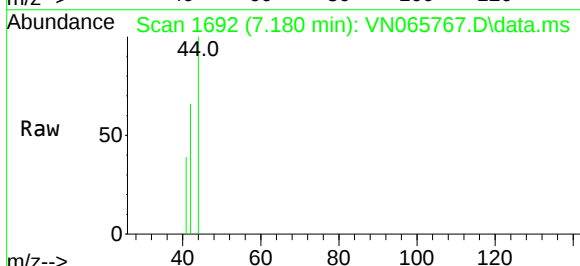
Instrument :
MSVOA_N
ClientSampled :



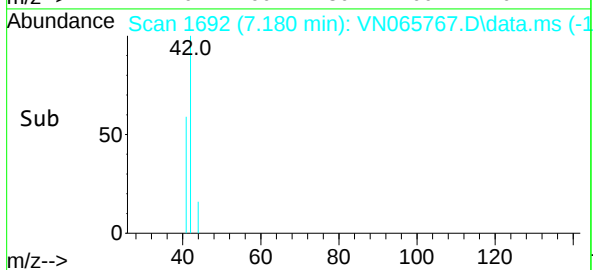
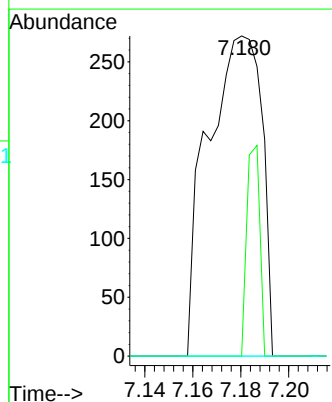
Tgt Ion: 43 Resp: 18502
Ion Ratio Lower Upper
43 100
72 23.2 23.1 34.7

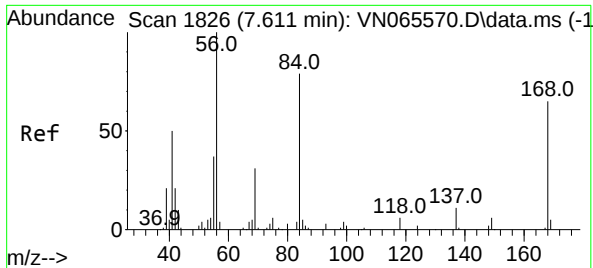


#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.180 min Scan# 1692
Delta R.T. 0.009 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08



Tgt Ion: 42 Resp: 426
Ion Ratio Lower Upper
42 100
72 15.7 36.6 55.0#
71 0.0 34.3 51.5#

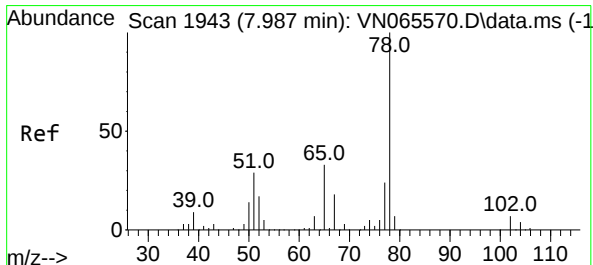
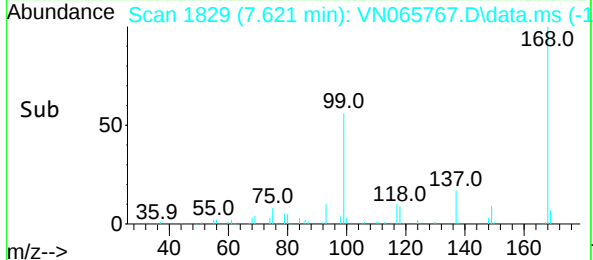
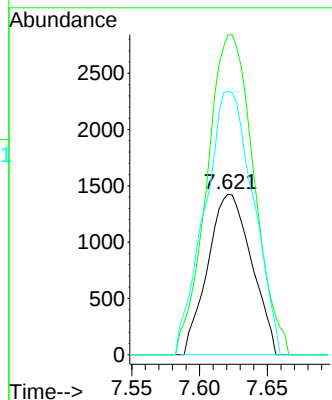
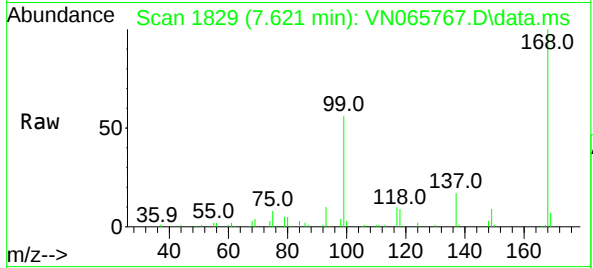




#31
Cyclohexane
Concen: 0.71 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

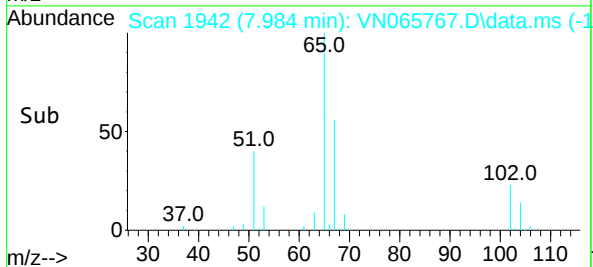
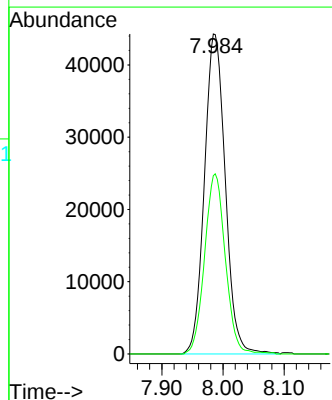
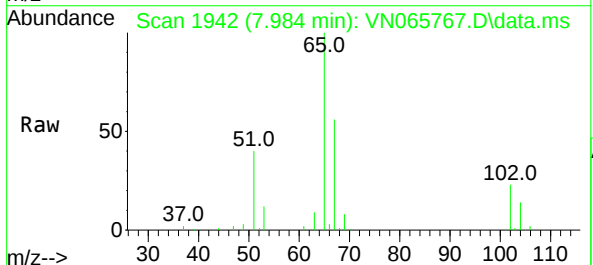
Instrument :
MSVOA_N
ClientSampleId :

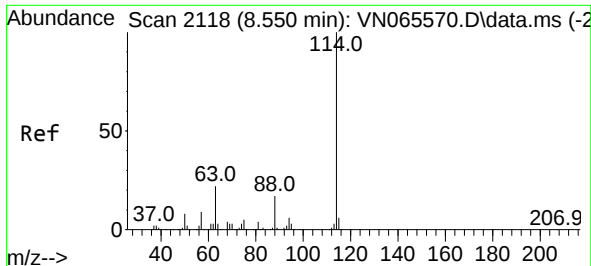
Tgt Ion: 56 Resp: 3197
Ion Ratio Lower Upper
56 100
69 185.1 26.6 39.8#
84 164.2 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 43.90 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 65 Resp: 105056
Ion Ratio Lower Upper
65 100
67 55.6 0.0 107.2

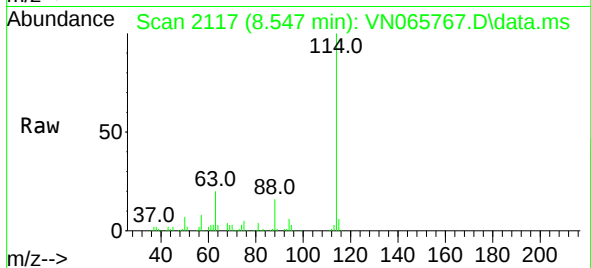




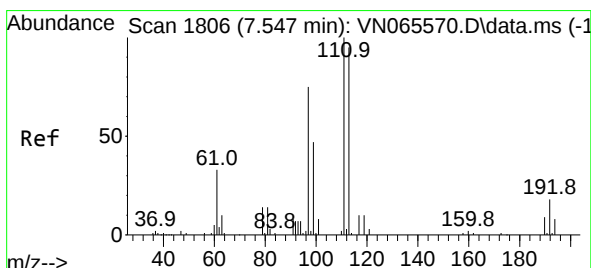
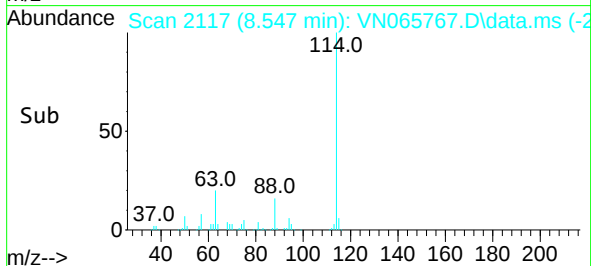
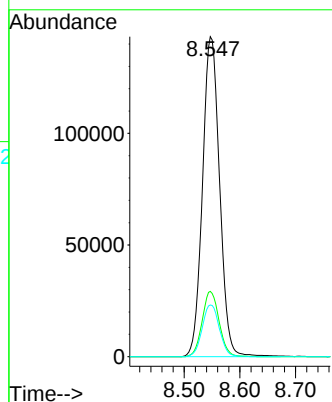
#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Instrument :
MSVOA_N
ClientSampled :



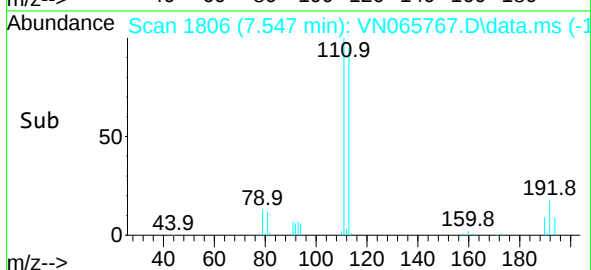
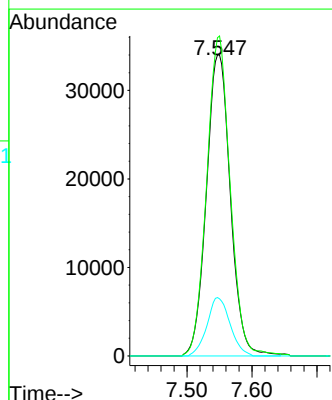
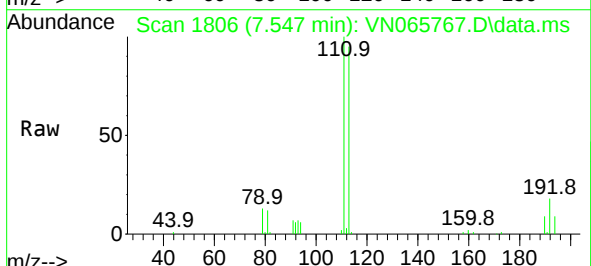
Tgt Ion:	114	Resp:	305947
Ion Ratio	100	Lower	Upper
63	20.4	0.0	38.6
88	16.2	0.0	30.6

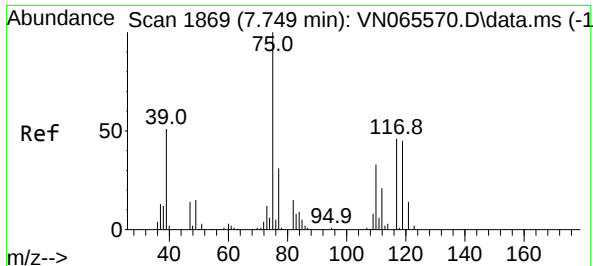


#35

Dibromofluoromethane
Concen: 48.17 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion:	113	Resp:	87325
Ion Ratio	100	Lower	Upper
111	104.1	82.2	123.2
192	18.7	15.4	23.0





#36

1,1-Dichloropropene

Concen: 4.31 ug/l

RT: 7.621 min Scan# 1829

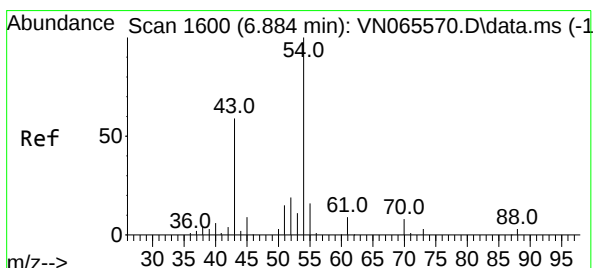
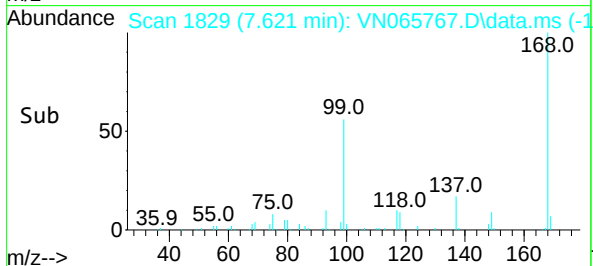
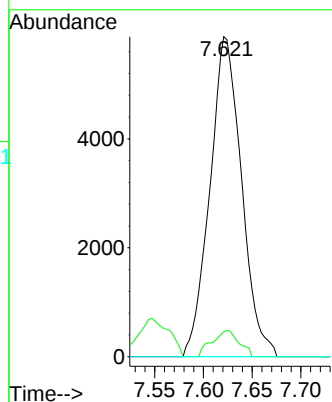
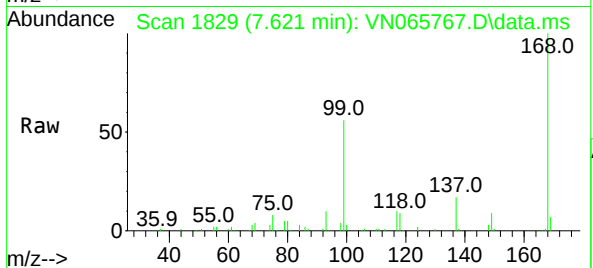
Delta R.T. -0.128 min

Lab File: VN065767.D

Acq: 8 Feb 2021 20:08

Tgt Ion:	75	Resp:	13281
Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.2	54.6#
77	0.0	24.9	37.3#

Instrument :
MSVOA_N
ClientSampleId :



#37

Ethyl Acetate

Concen: 6.26 ug/l

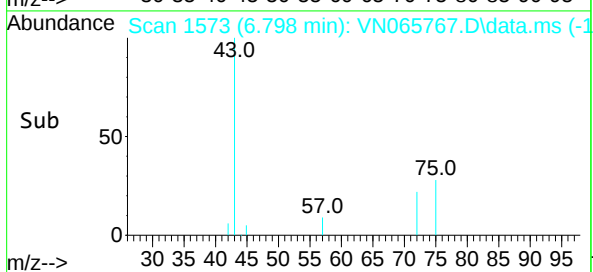
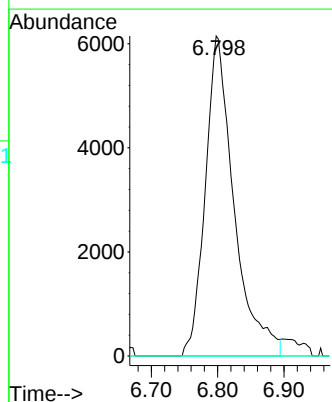
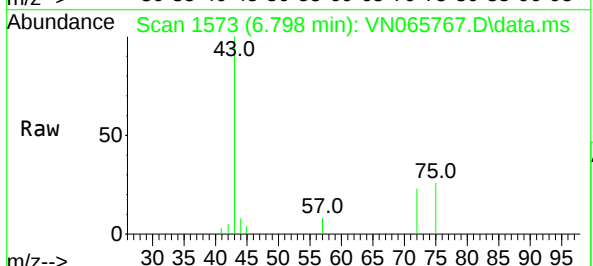
RT: 6.798 min Scan# 1573

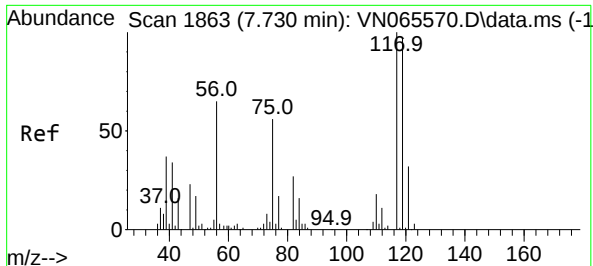
Delta R.T. -0.086 min

Lab File: VN065767.D

Acq: 8 Feb 2021 20:08

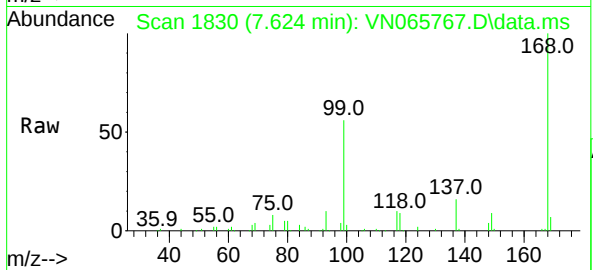
Tgt Ion:	43	Resp:	18502
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



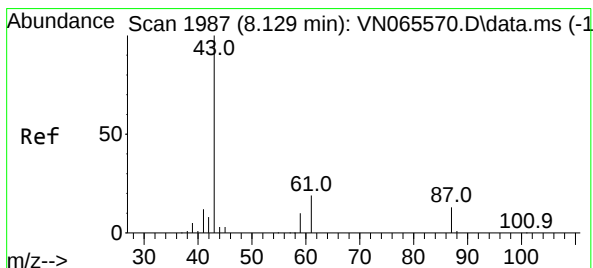
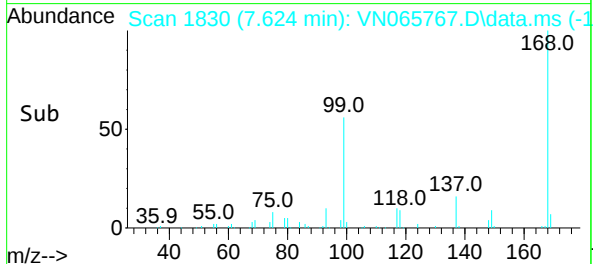
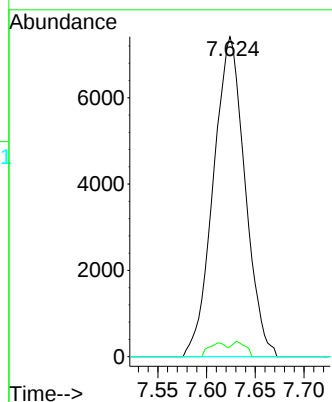


#38
Carbon Tetrachloride
Concen: 6.61 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Instrument :
MSVOA_N
ClientSampled :

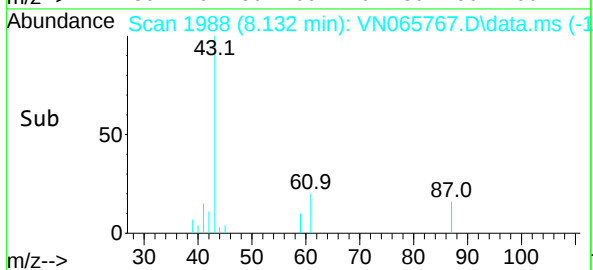
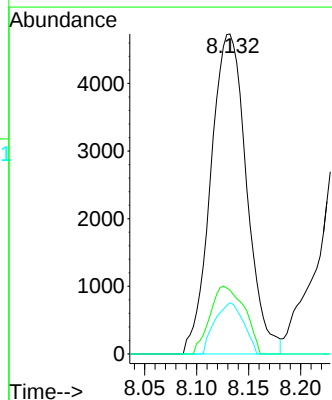
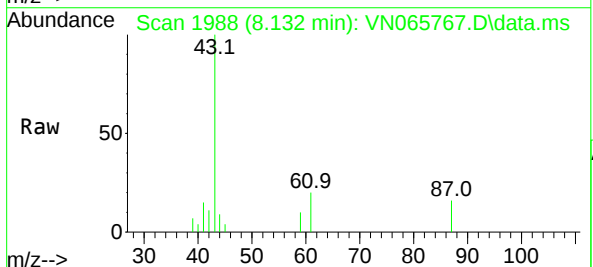


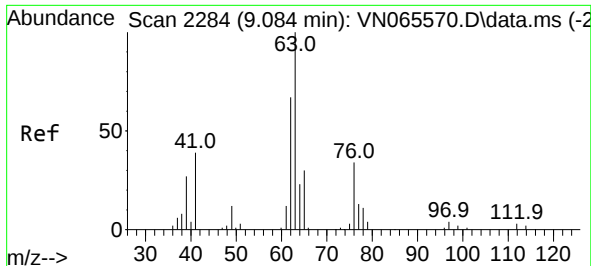
Tgt Ion:117 Resp: 16741
Ion Ratio Lower Upper
117 100
119 3.0 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.17 ug/l
RT: 8.132 min Scan# 1988
Delta R.T. 0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 43 Resp: 11340
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 12.8 11.1 16.7

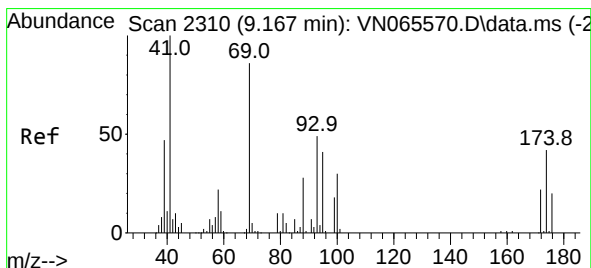
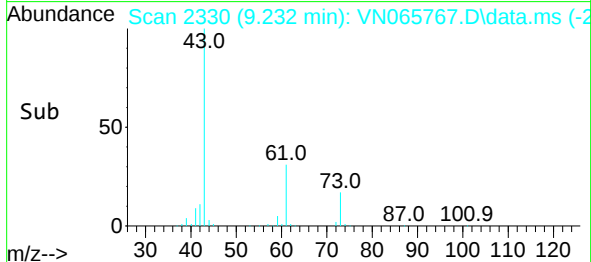
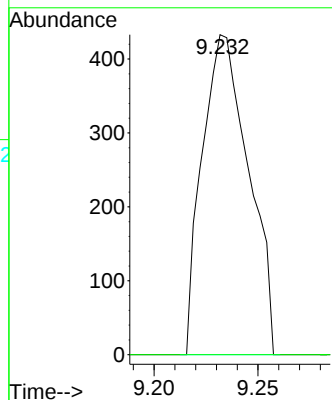
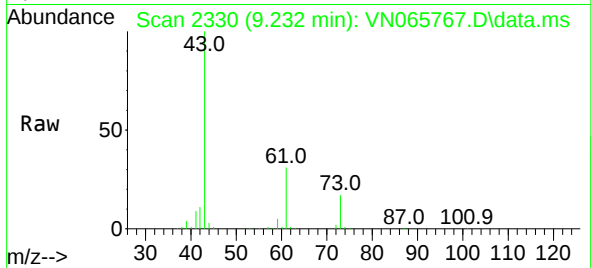




#45
1,2-Dichloropropane
Concen: 0.26 ug/l
RT: 9.232 min Scan# 2330
Delta R.T. 0.148 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

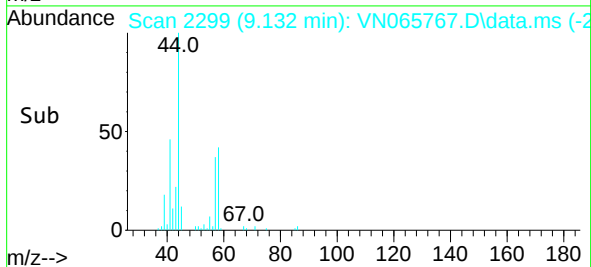
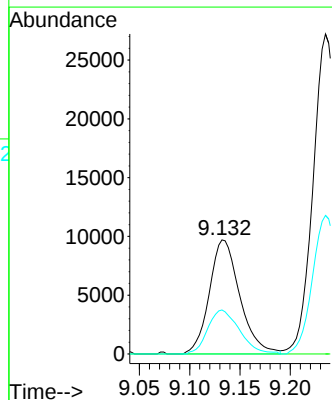
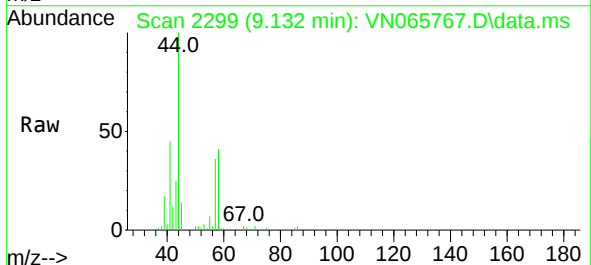
Instrument :
MSVOA_N
ClientSampled :

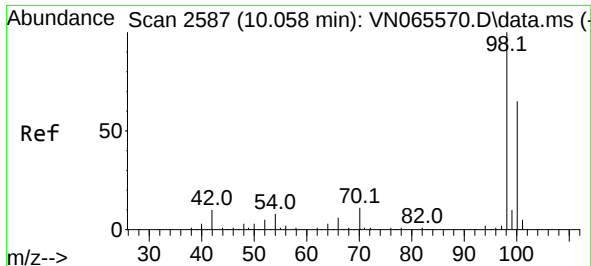
Tgt Ion: 63 Resp: 673
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 8.24 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.035 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 41 Resp: 20473
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 40.1 46.6 69.8#

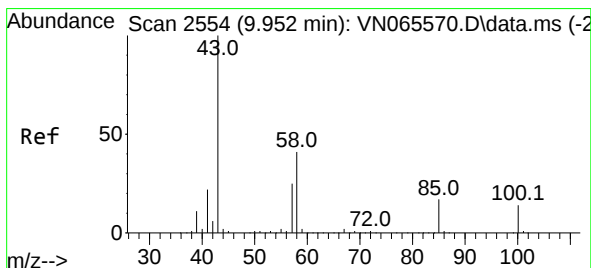
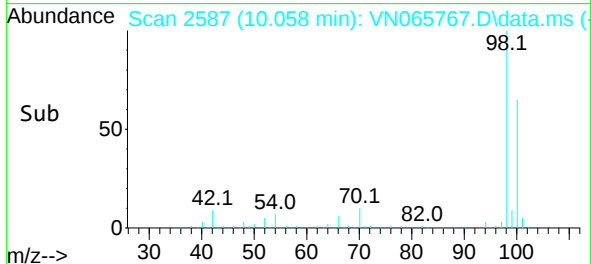
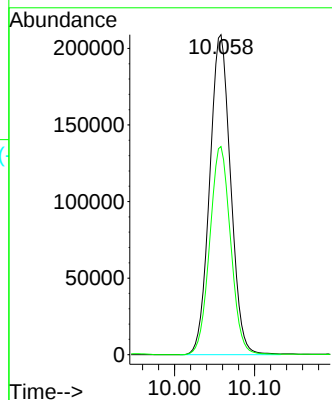
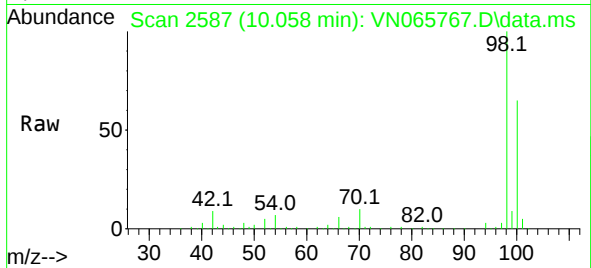




#50
Toluene-d8
Concen: 53.38 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

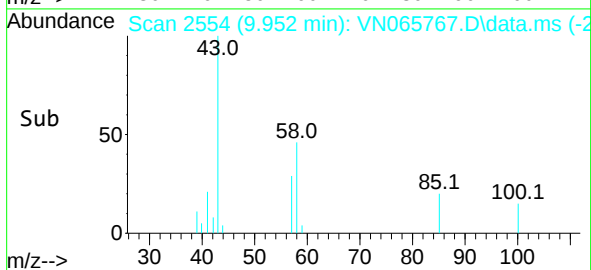
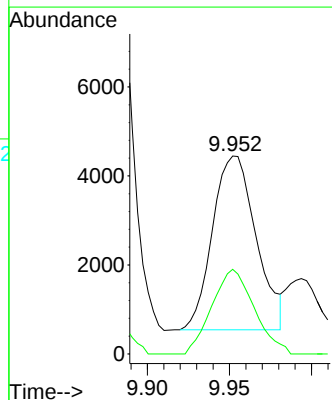
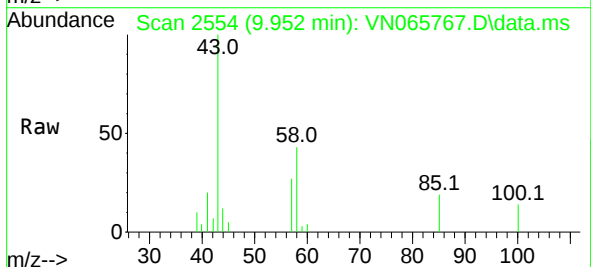
Instrument :
MSVOA_N
ClientSampled :

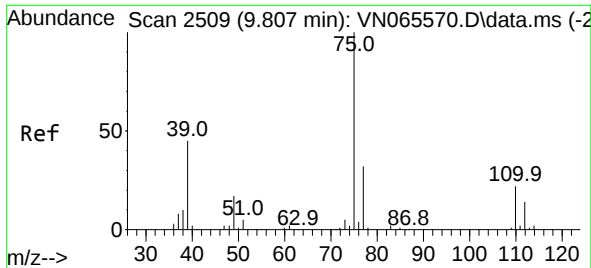
Tgt Ion: 98 Resp: 380451
Ion Ratio Lower Upper
98 100
100 64.9 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 2.50 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. -0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
58 47.1 32.5 48.7

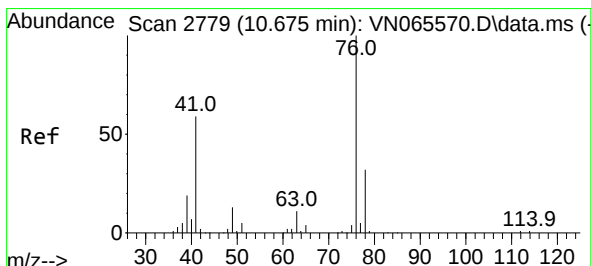
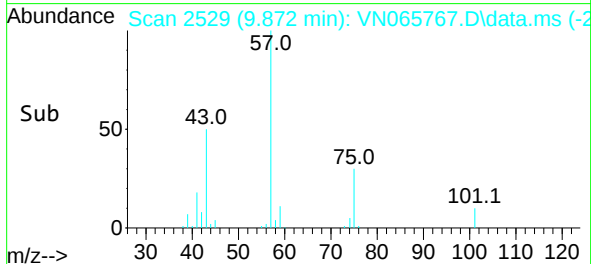
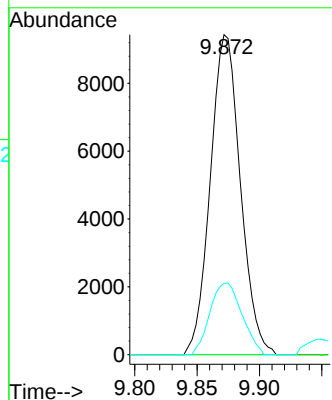
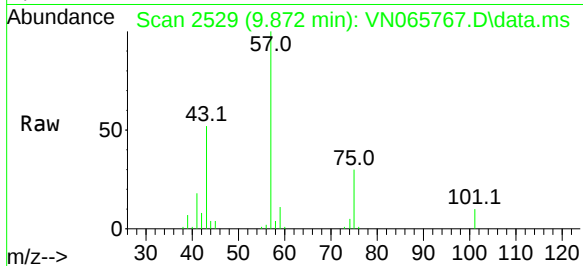




#54
cis-1,3-Dichloropropene
Concen: 3.98 ug/l
RT: 9.872 min Scan# 2529
Delta R.T. 0.065 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

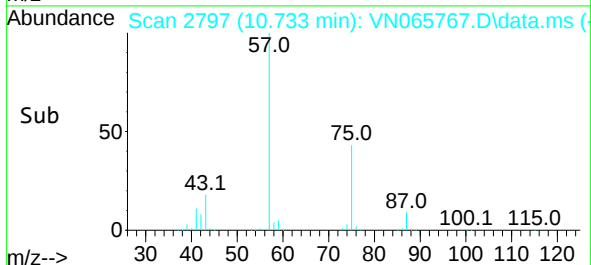
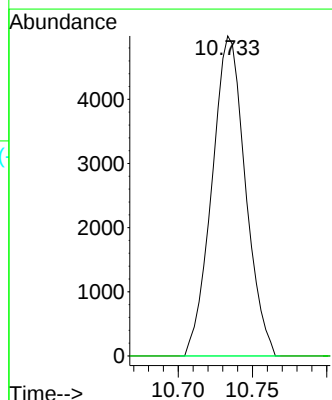
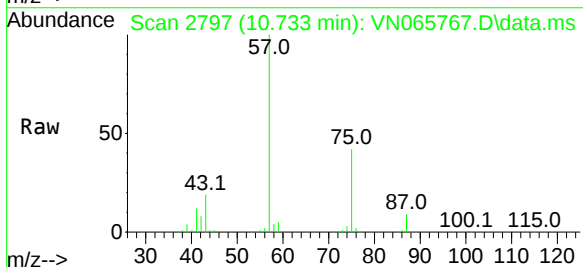
Instrument :
MSVOA_N
ClientSampled :

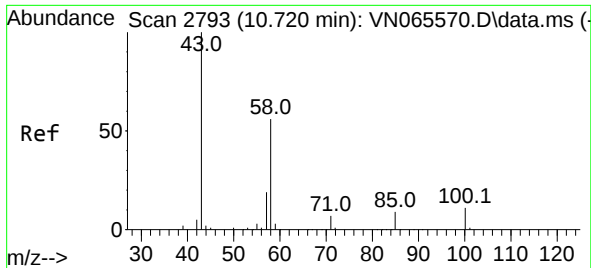
Tgt Ion: 75 Resp: 15845
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 22.3 36.2 54.4#



#57
1,3-Dichloropropane
Concen: 2.09 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 76 Resp: 7811
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

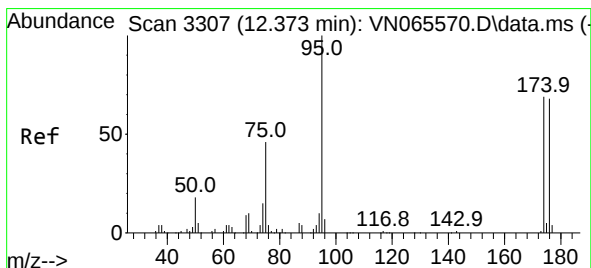
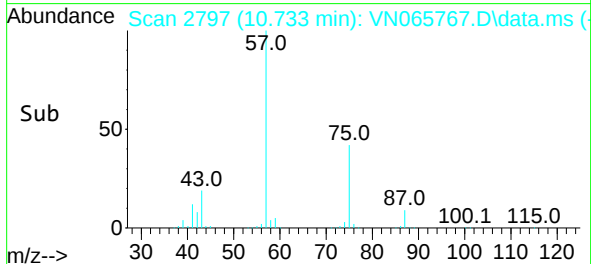
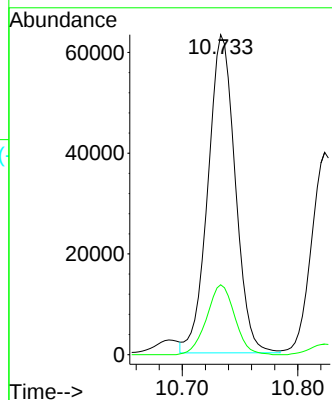
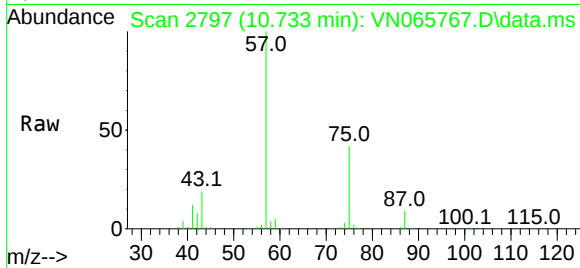




#59
2-Hexanone
Concen: 51.69 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

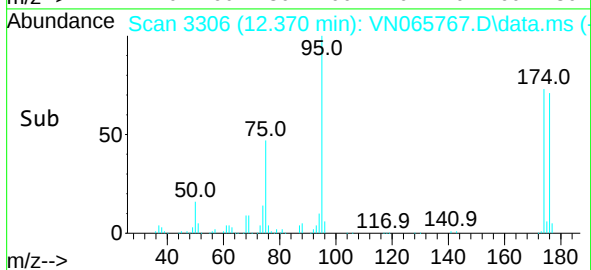
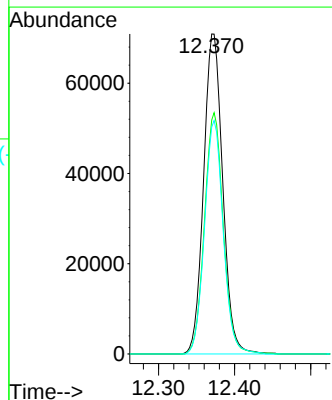
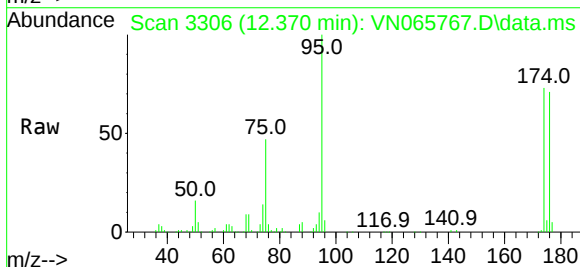
Instrument :
MSVOA_N
ClientSampled :

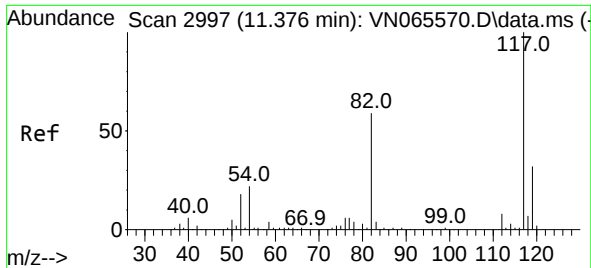
Tgt Ion: 43 Resp: 103621
Ion Ratio Lower Upper
43 100
58 22.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.18 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Tgt Ion: 95 Resp: 123633
Ion Ratio Lower Upper
95 100
174 74.4 0.0 169.0
176 71.3 0.0 162.4

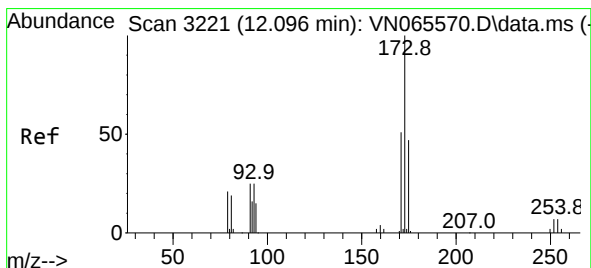
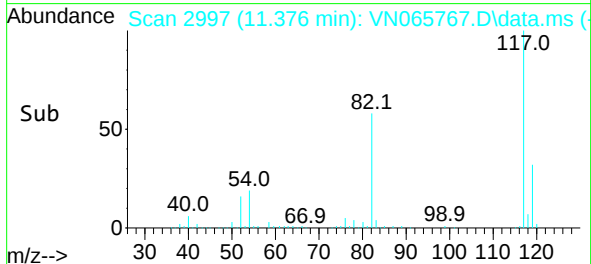
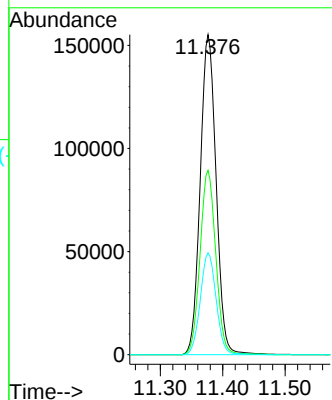
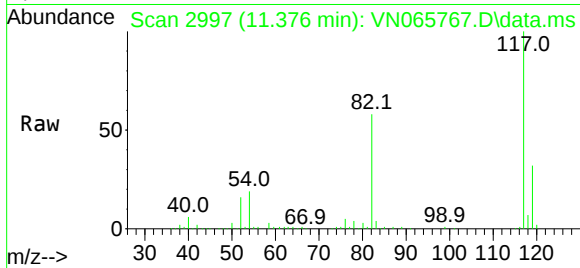




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

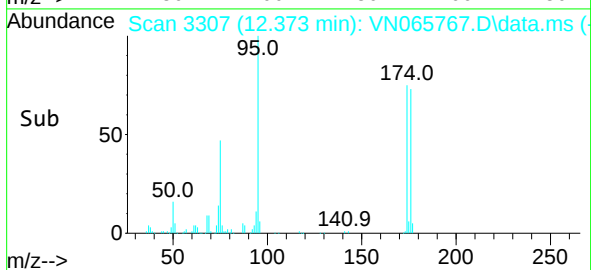
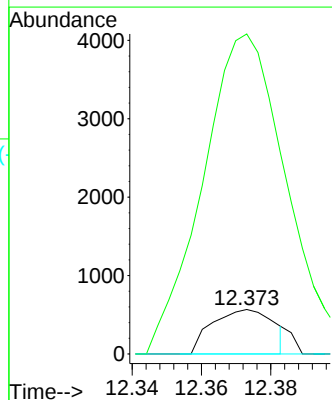
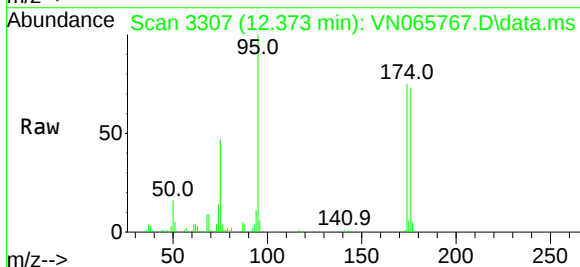
Instrument :
MSVOA_N
ClientSampled :

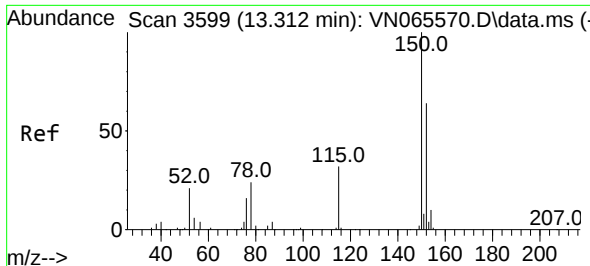
Tgt Ion:117 Resp: 274815
Ion Ratio Lower Upper
117 100
82 57.6 43.7 65.5
119 31.8 26.1 39.1



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

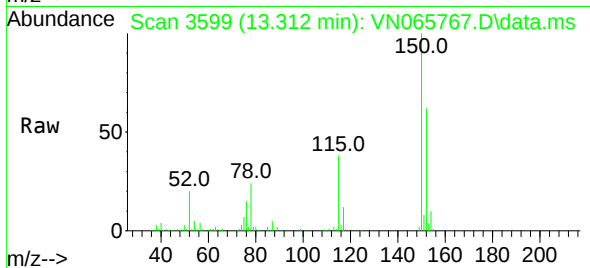
Tgt Ion:173 Resp: 700
Ion Ratio Lower Upper
173 100
175 829.0 23.8 71.2#
254 0.0 0.0 0.0



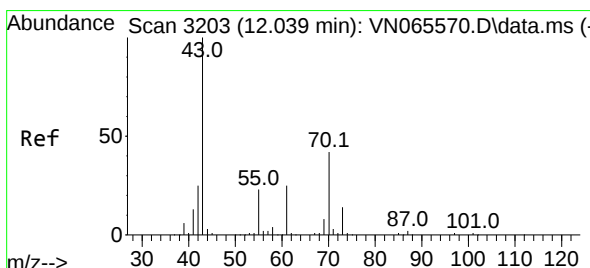
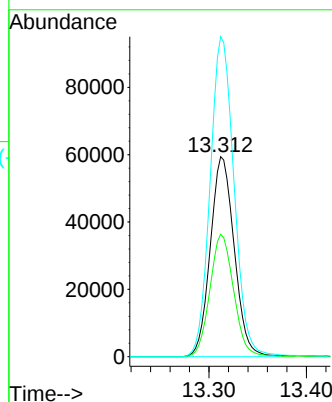
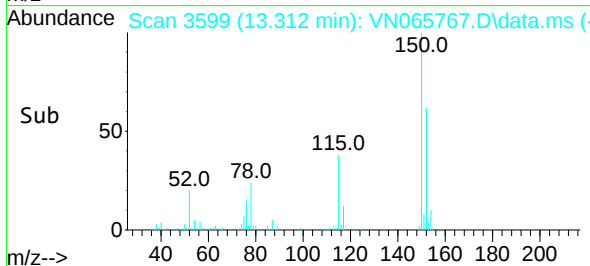


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

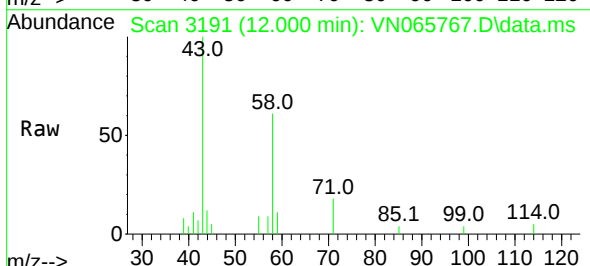
Instrument :
MSVOA_N
ClientSampled :



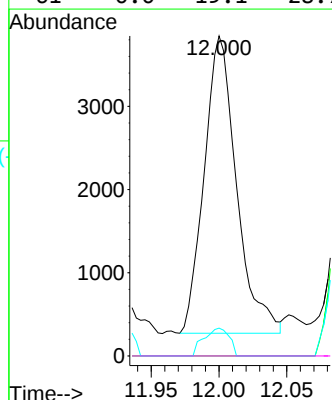
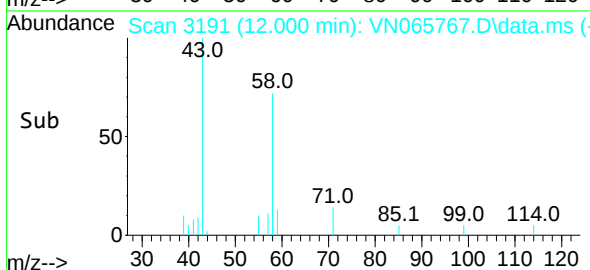
Tgt Ion:152 Resp: 101475
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.6
150 160.0 0.0 347.6

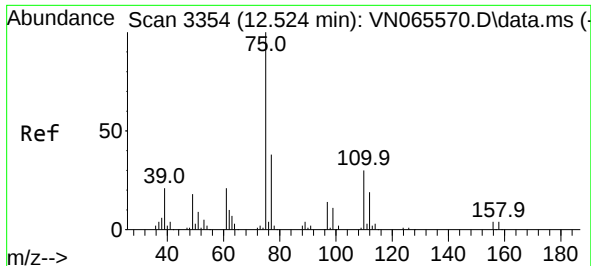


#74
N-ethyl acetate
Concen: 1.58 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.039 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08



Tgt Ion: 43 Resp: 5931
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 7.4 20.7 31.1#
61 0.0 19.1 28.7#

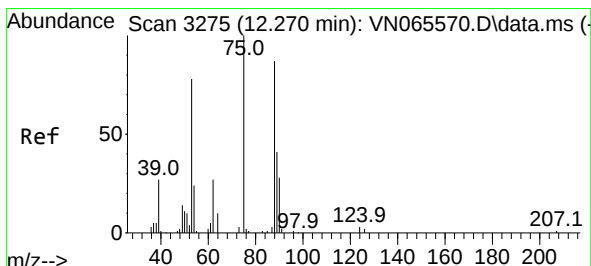
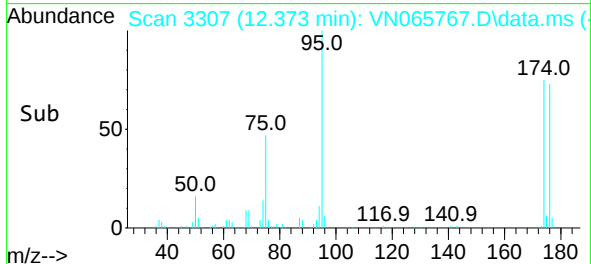
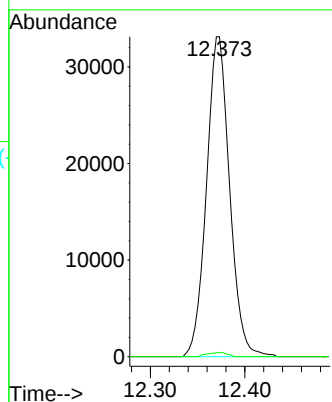
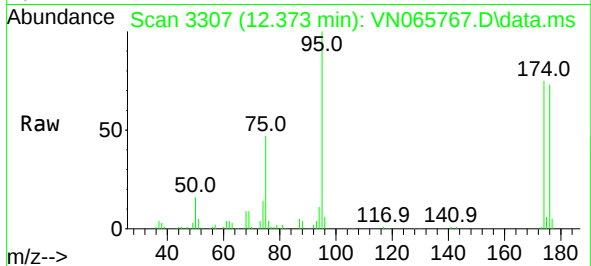




#76
1,2,3-Trichloropropane
Concen: 21.22 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

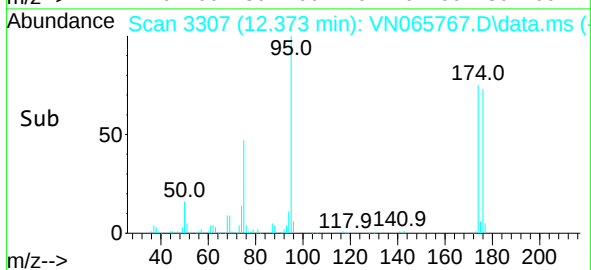
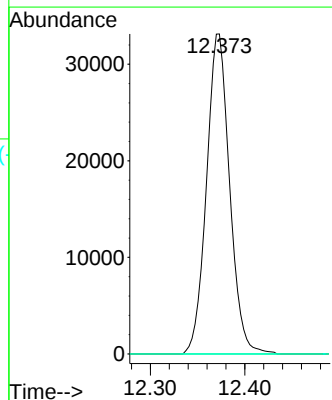
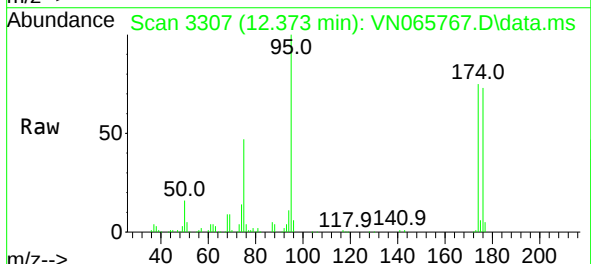
Instrument :
MSVOA_N
ClientSampleId :

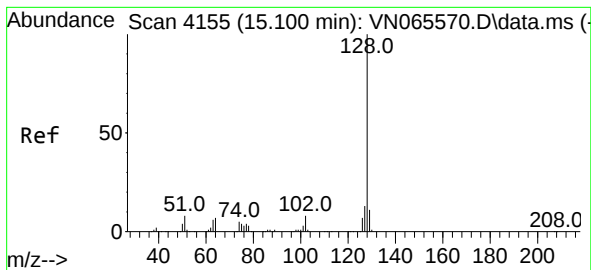
Tgt Ion: 75 Resp: 56315
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.36 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

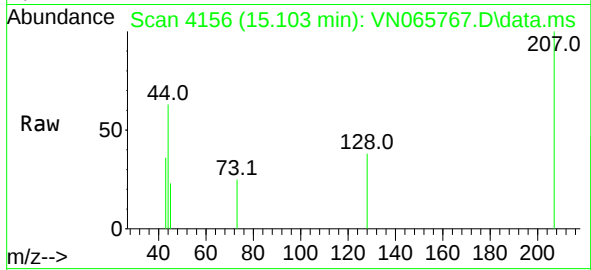
Tgt Ion: 75 Resp: 56315
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#





#95
Naphthalene
Concen: 3.48 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.003 min
Lab File: VN065767.D
Acq: 8 Feb 2021 20:08

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 207
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

