

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020421\
 Data File : VN065724.D
 Acq On : 4 Feb 2021 17:57
 Operator : JC/MD
 Sample : PB134422TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 05 02:19:53 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)

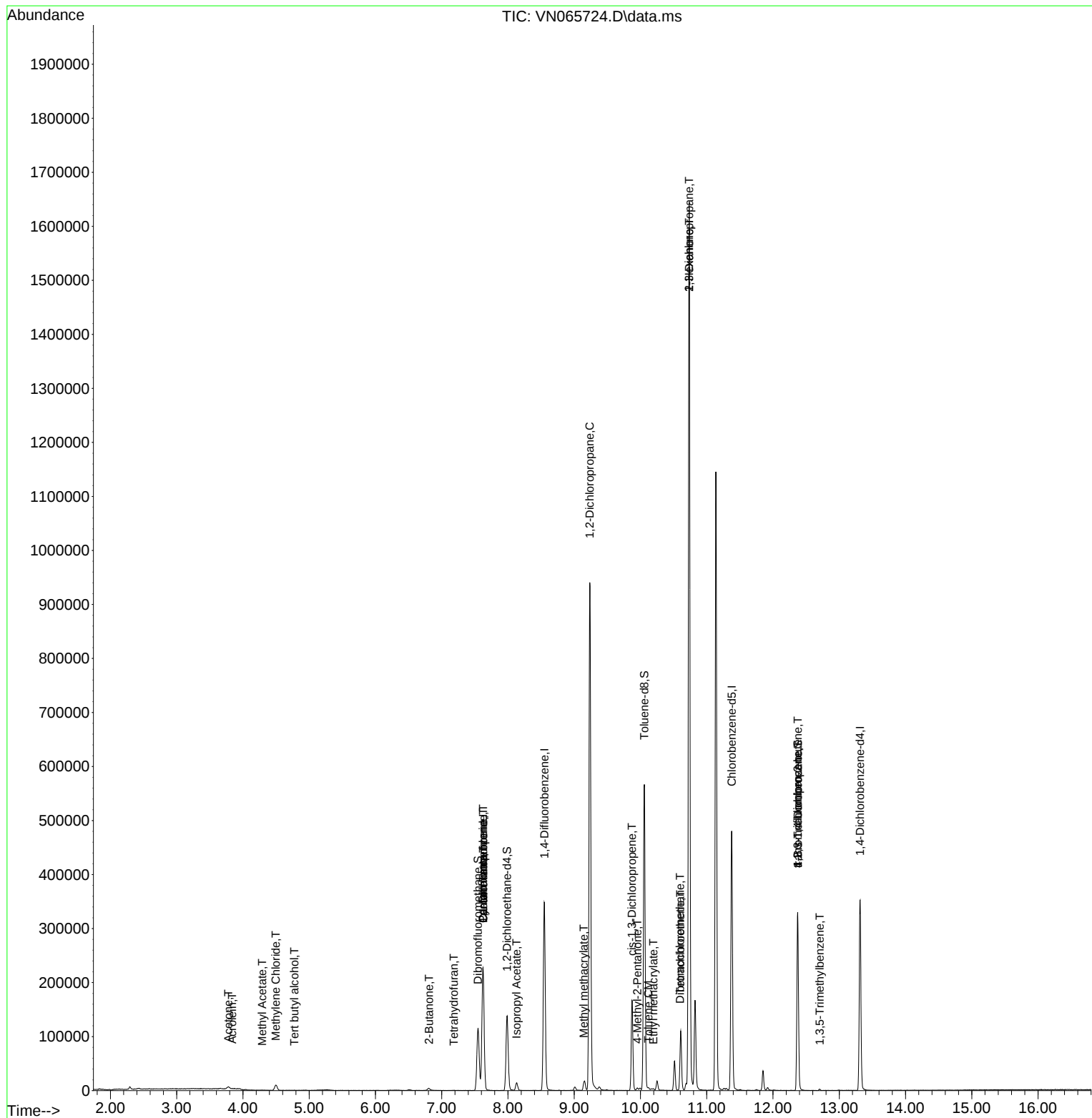
Internal Standards						
1) Pentafluorobenzene	7.624	168	191943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	323647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	288986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	104262	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	115665	45.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.60%		
35) Dibromofluoromethane	7.547	113	93662	48.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.68%		
50) Toluene-d8	10.058	98	404955	53.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.44%		
62) 4-Bromofluorobenzene	12.373	95	133924	49.33	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.66%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.775	59	387	0.82	ug/l #	73
13) Acrolein	3.840	56	29	18.15	ug/l #	15
16) Acetone	3.779	43	5349	5.44	ug/l	93
18) Methyl Acetate	4.290	43	726	0.26	ug/l #	51
20) Methylene Chloride	4.496	84	7293	2.68	ug/l	98
25) 2-Butanone	6.807	43	4405	2.86	ug/l #	83
29) Tetrahydrofuran	7.184	42	336	0.30	ug/l #	32
31) Cyclohexane	7.624	56	3527	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	14777	4.54	ug/l #	47
38) Carbon Tetrachloride	7.624	117	17372	6.48	ug/l #	17
43) Isopropyl Acetate	8.129	43	17506	3.16	ug/l #	90
45) 1,2-Dichloropropane	9.235	63	1200	0.44	ug/l #	44
48) Methyl methacrylate	9.145	41	4349	1.65	ug/l #	10
51) 4-Methyl-2-Pentanone	9.952	43	3503	1.15	ug/l	91
52) Toluene	10.119	92	1800	0.31	ug/l	95
54) cis-1,3-Dichloropropene	9.872	75	32504	7.73	ug/l #	57
56) Ethyl methacrylate	10.193	69	2068	0.56	ug/l #	84
57) 1,3-Dichloropropane	10.733	76	17439	4.41	ug/l #	43
59) 2-Hexanone	10.733	43	229930	108.43	ug/l #	51
60) Dibromochloromethane	10.598	129	604	0.26	ug/l #	11
64) Tetrachloroethene	10.602	164	494	0.20	ug/l	92
76) 1,2,3-Trichloropropane	12.373	75	60707	22.27	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.704	105	2019	0.26	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.373	75	60707	57.03	ug/l #	12

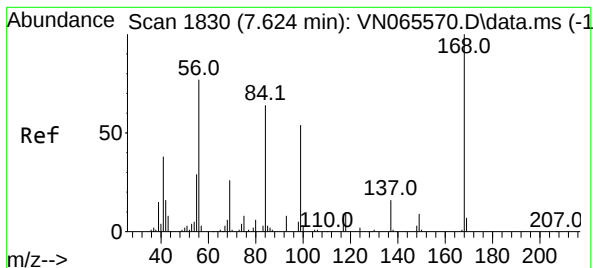
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Feb 05 02:19:53 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

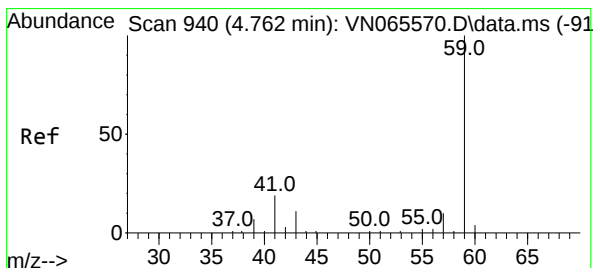
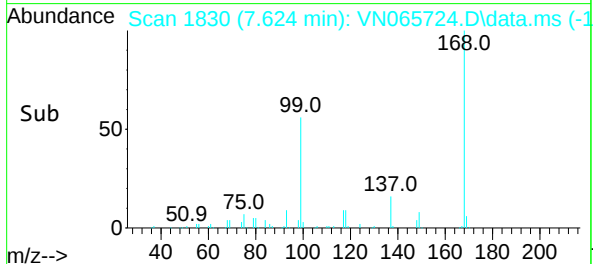
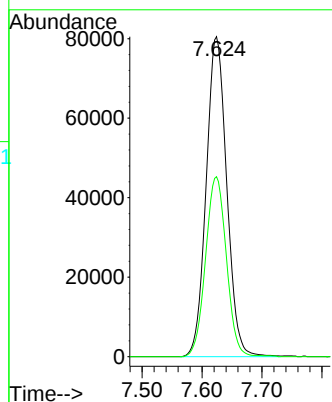
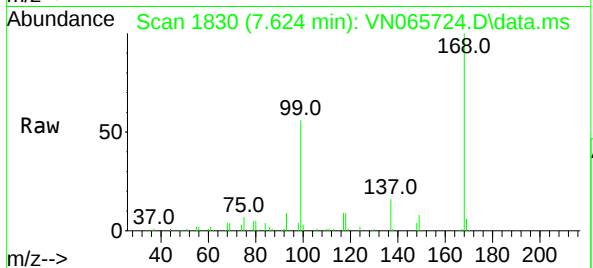




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

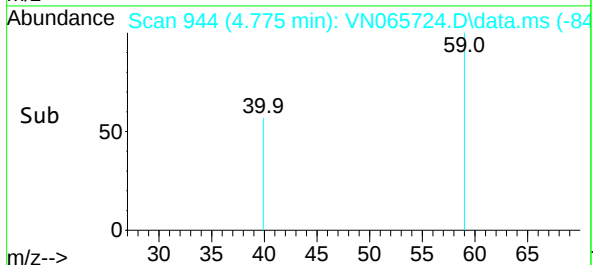
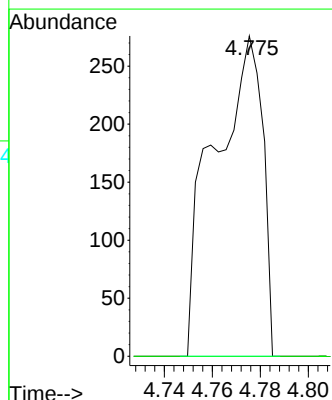
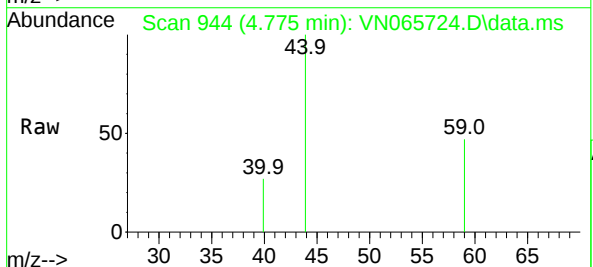
Instrument :
MSVOA_N
ClientSampled :

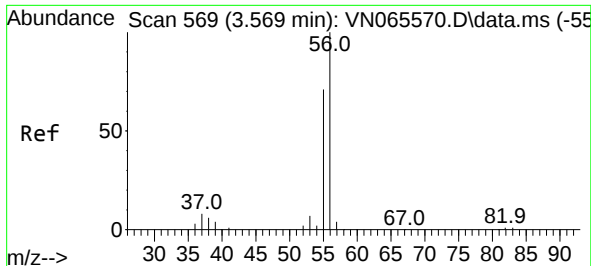
Tgt Ion:168 Resp: 191943
Ion Ratio Lower Upper
168 100
99 56.2 42.6 63.8



#11
Tert butyl alcohol
Concen: 0.82 ug/l
RT: 4.775 min Scan# 944
Delta R.T. 0.013 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 59 Resp: 387
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

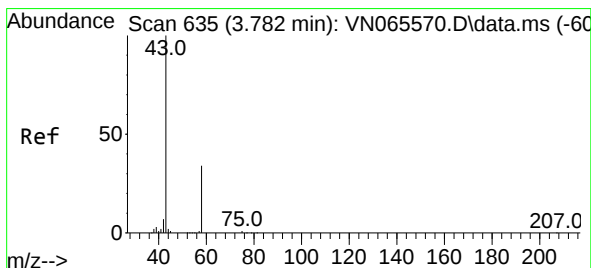
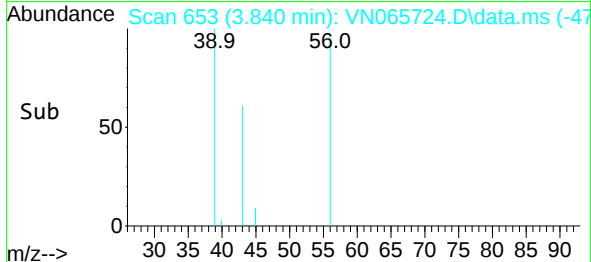
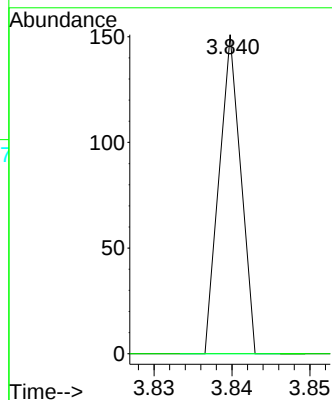
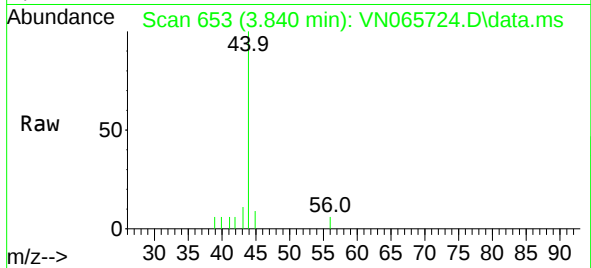




#13
Acrolein
Concen: 18.15 ug/l
RT: 3.840 min Scan# 653
Delta R.T. 0.271 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

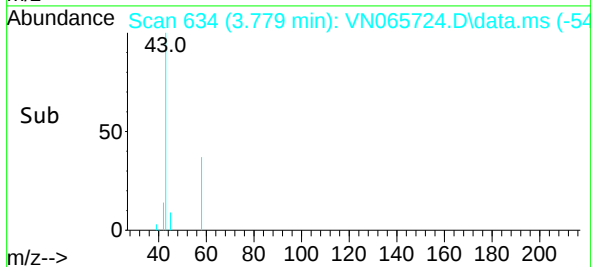
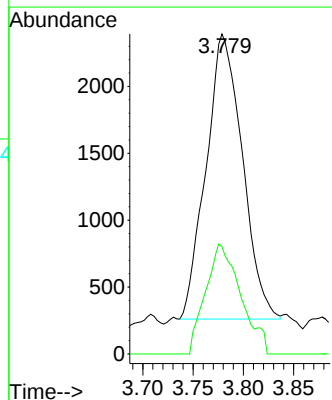
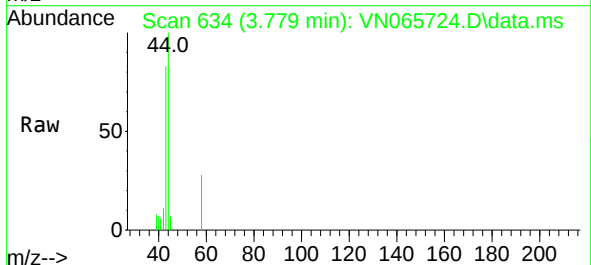
Instrument :
MSVOA_N
ClientSampled :

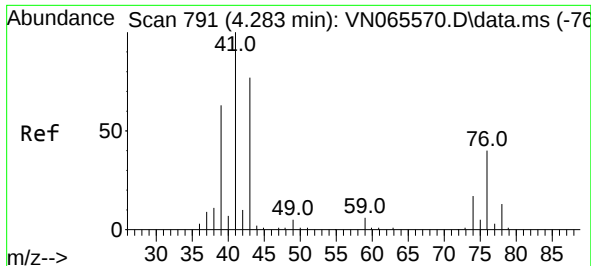
Tgt Ion: 56 Resp: 29
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 5.44 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

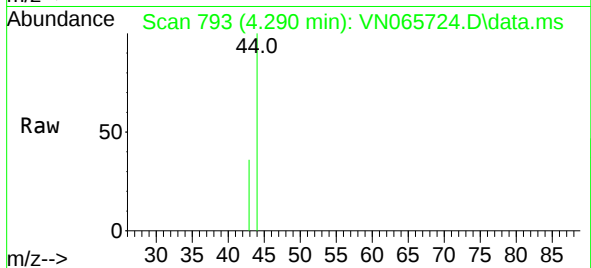
Tgt Ion: 43 Resp: 5349
Ion Ratio Lower Upper
43 100
58 37.6 27.0 40.6



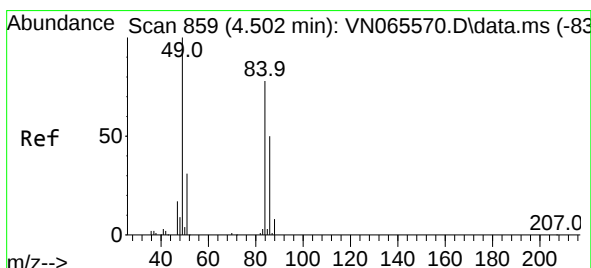
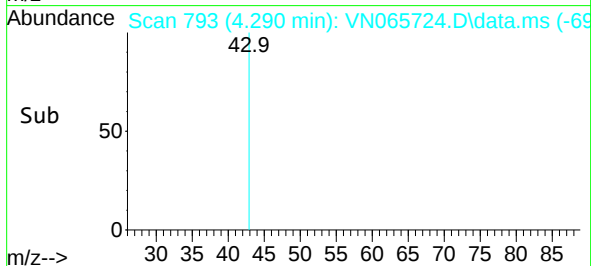
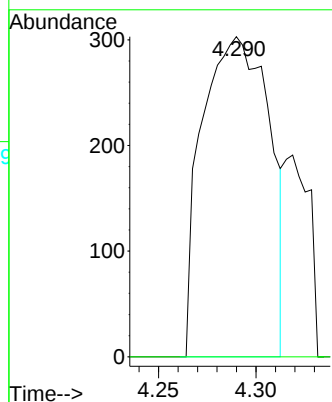


#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.007 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Instrument :
MSVOA_N
ClientSampled :

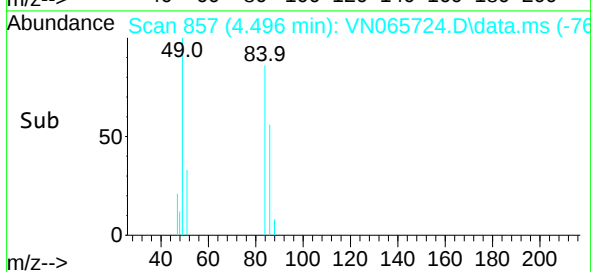
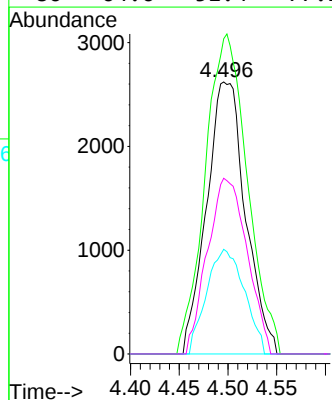
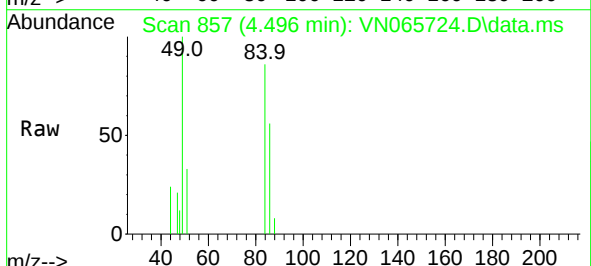


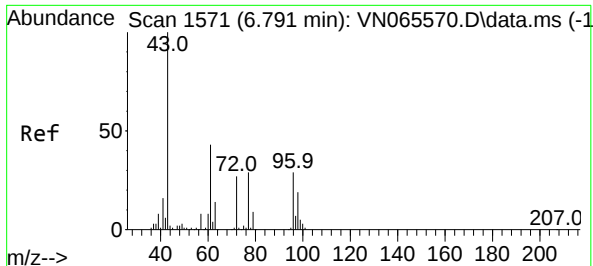
Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#20
Methylene Chloride
Concen: 2.68 ug/l
RT: 4.496 min Scan# 857
Delta R.T. -0.006 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

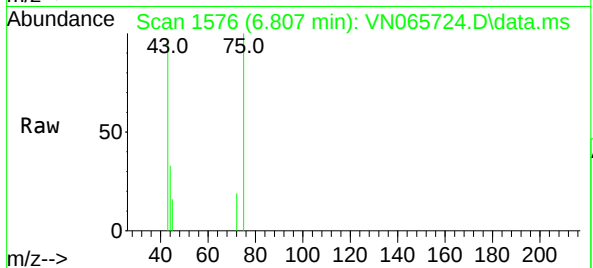
Tgt Ion: 84 Resp: 7293
Ion Ratio Lower Upper
84 100
49 115.9 94.6 141.8
51 38.5 29.9 44.9
86 64.6 51.4 77.2



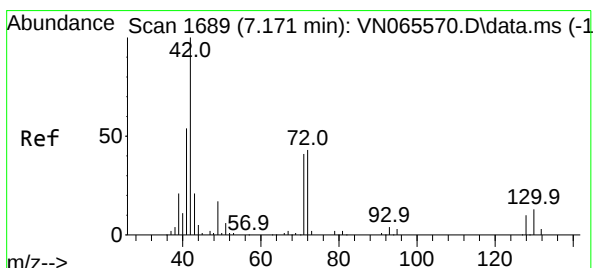
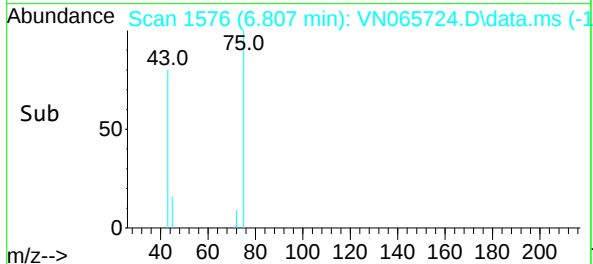
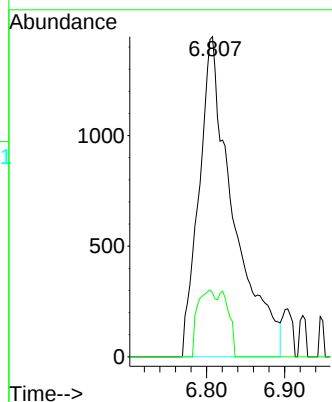


#25
2-Butanone
Concen: 2.86 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.016 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

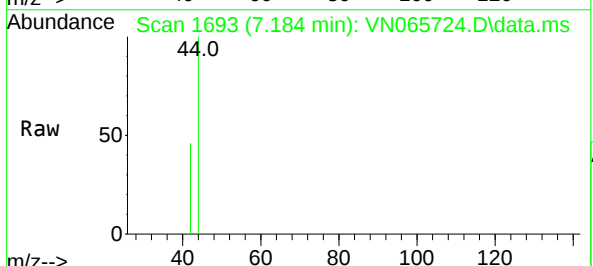
Instrument :
MSVOA_N
ClientSampled :



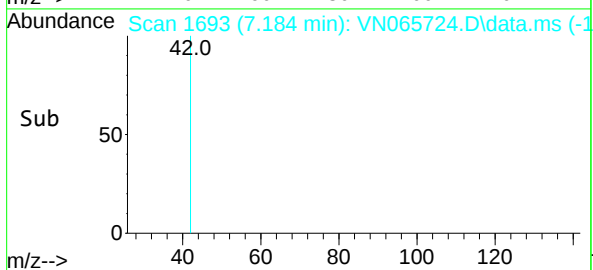
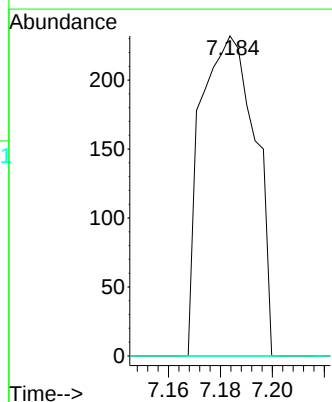
Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
72 20.0 23.1 34.7#

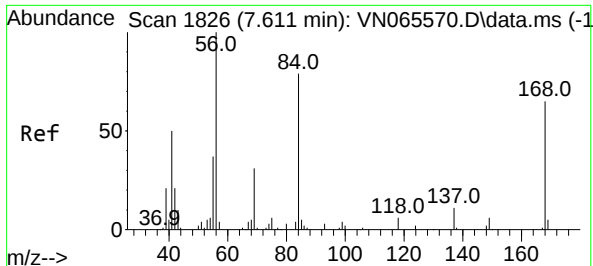


#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 7.184 min Scan# 1693
Delta R.T. 0.013 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57



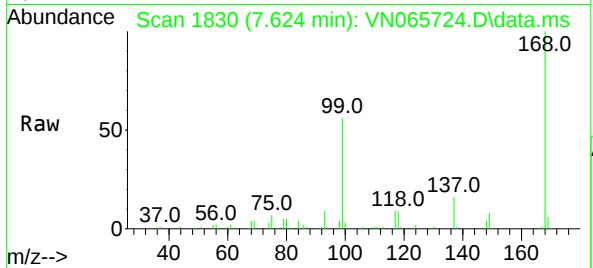
Tgt Ion: 42 Resp: 336
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



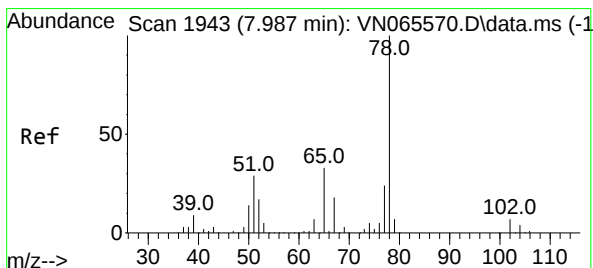
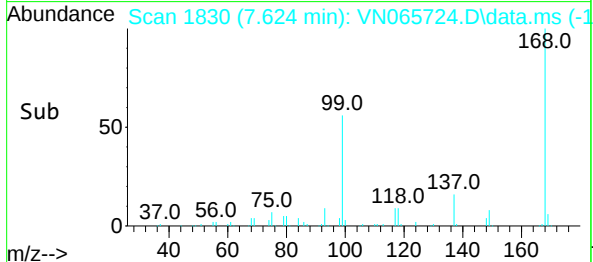
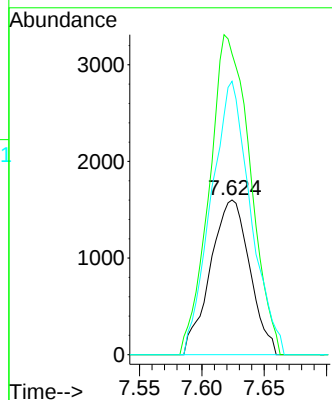


#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.013 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Instrument :
MSVOA_N
ClientSampled :

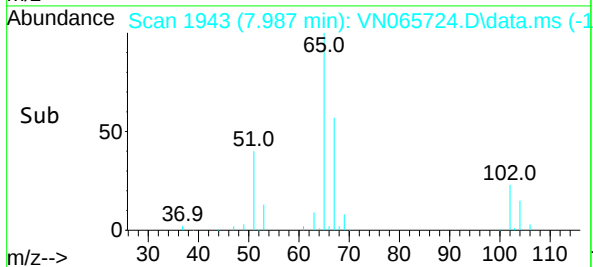
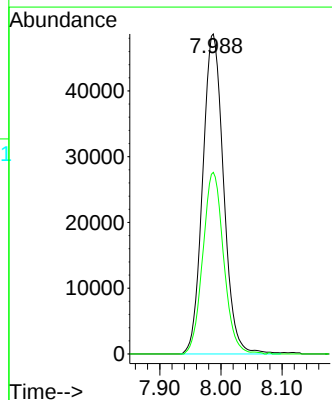
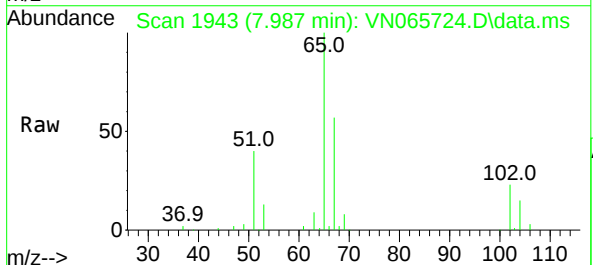


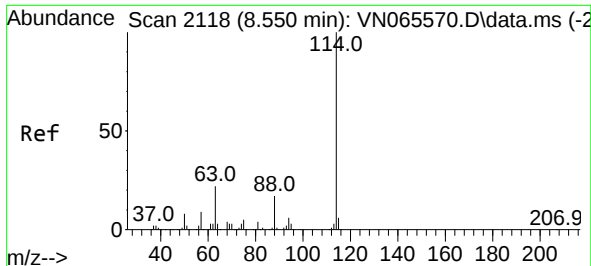
Tgt Ion: 56 Resp: 3527
Ion Ratio Lower Upper
56 100
69 194.4 26.6 39.8#
84 176.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 45.80 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

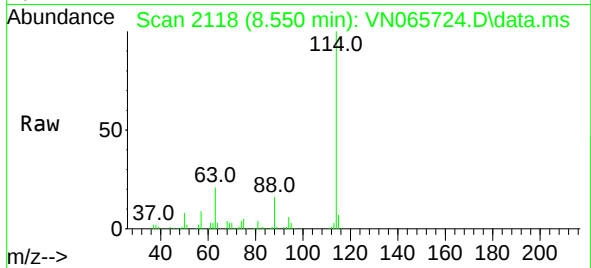
Tgt Ion: 65 Resp: 115665
Ion Ratio Lower Upper
65 100
67 56.6 0.0 107.2



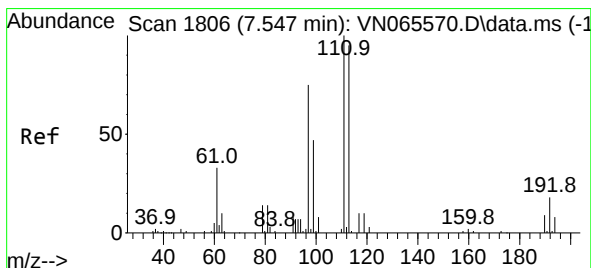
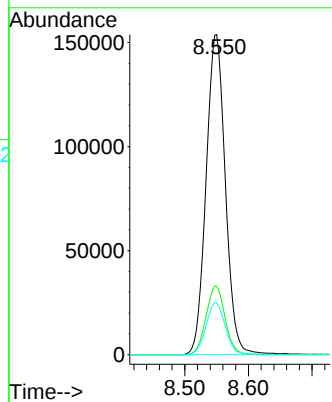
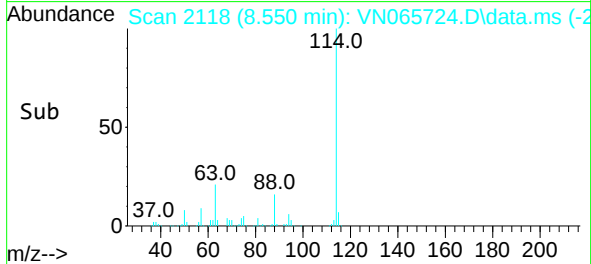


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

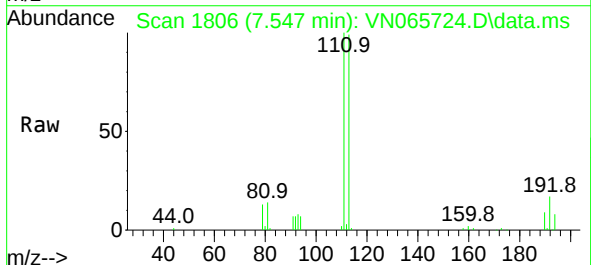
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MSVOA_N
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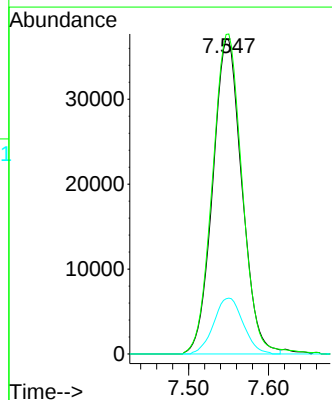
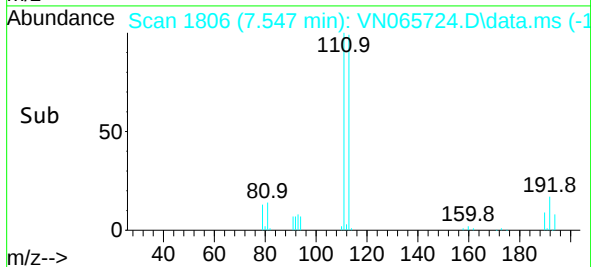
Tgt Ion:114 Resp: 323647
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.6
88 16.2 0.0 30.6

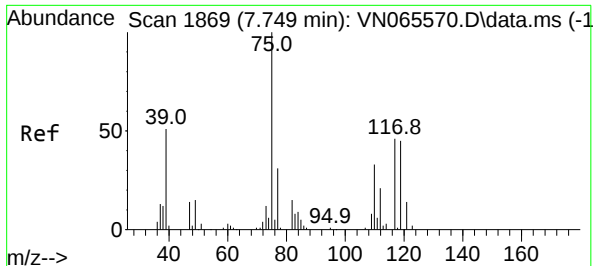


#35
Dibromofluoromethane
Concen: 48.84 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57



Tgt Ion:113 Resp: 93662
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.0 15.4 23.0

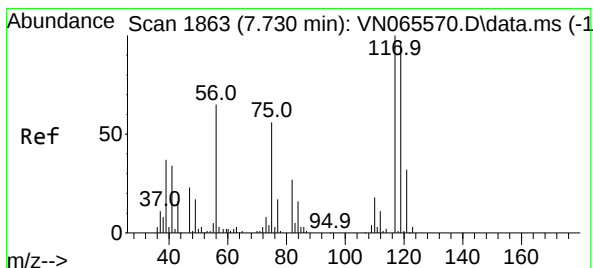
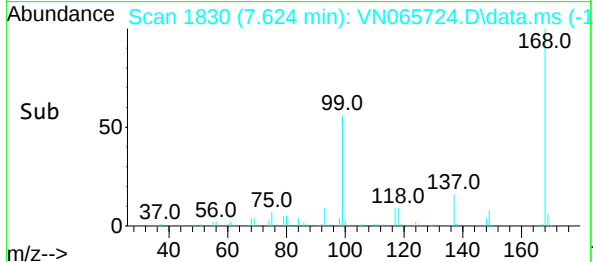
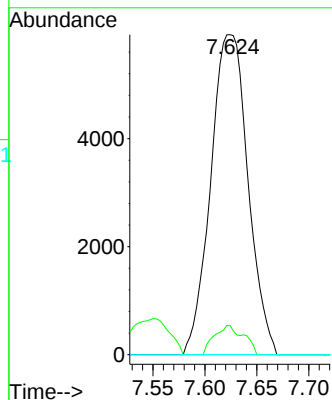
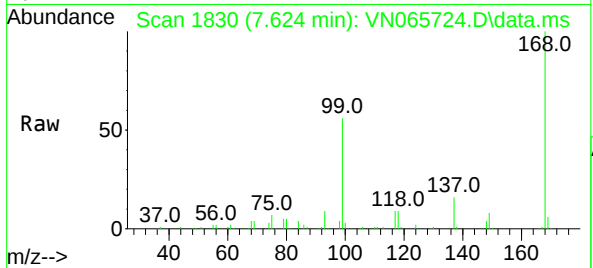




#36
1,1-Dichloropropene
Concen: 4.54 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

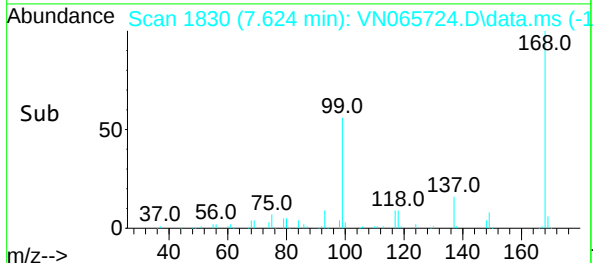
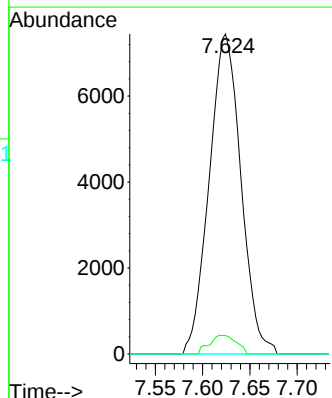
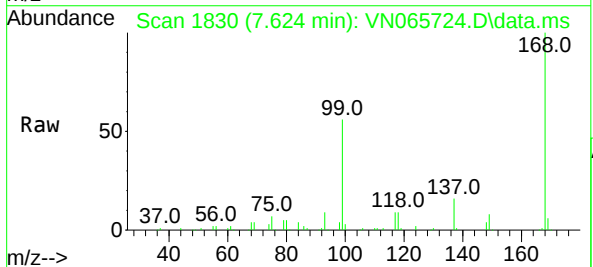
Instrument :
MSVOA_N
ClientSampled :

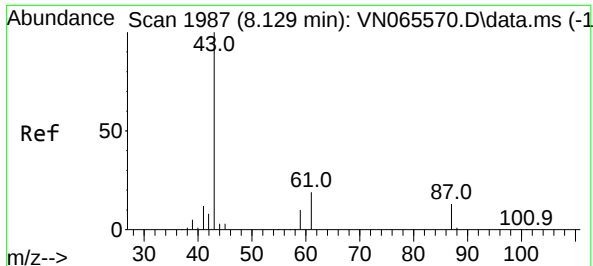
Tgt Ion: 75 Resp: 14777
Ion Ratio Lower Upper
75 100
110 7.1 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.48 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 117 Resp: 17372
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

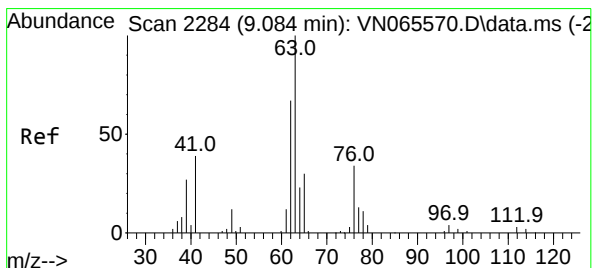
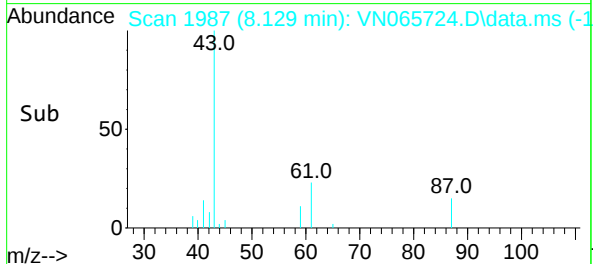
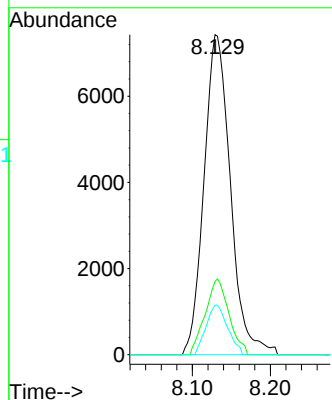
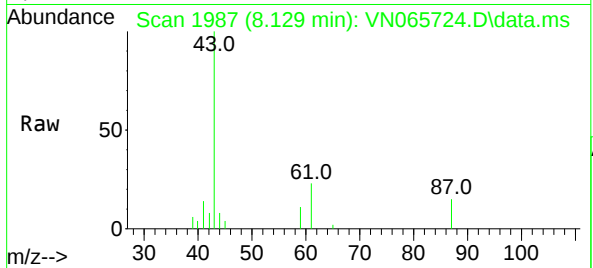




#43
Isopropyl Acetate
Concen: 3.16 ug/l
RT: 8.129 min Scan# 1987
Delta R.T. -0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

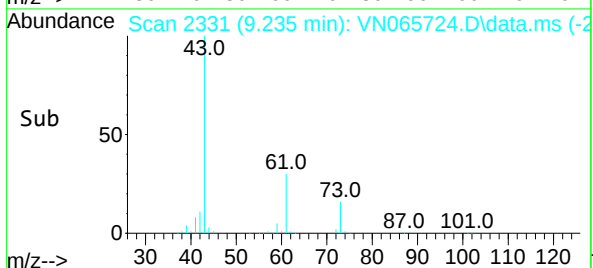
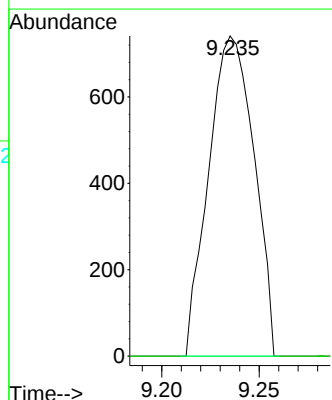
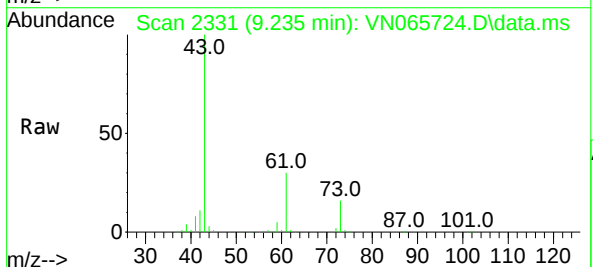
Instrument :
MSVOA_N
ClientSampleId :

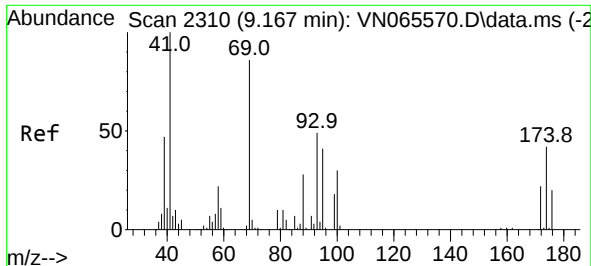
Tgt Ion: 43 Resp: 17506
Ion Ratio Lower Upper
43 100
61 21.2 22.5 33.7#
87 12.6 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.44 ug/l
RT: 9.235 min Scan# 2331
Delta R.T. 0.151 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 63 Resp: 1200
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

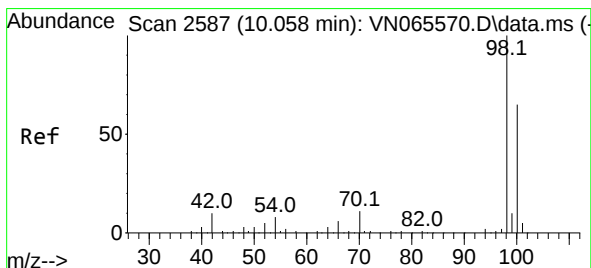
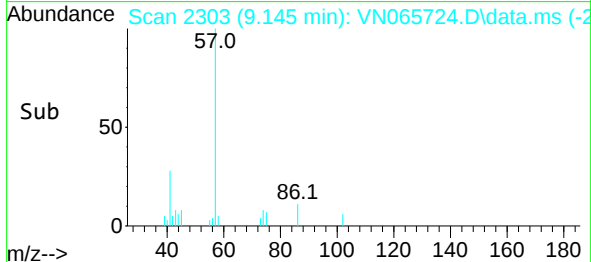
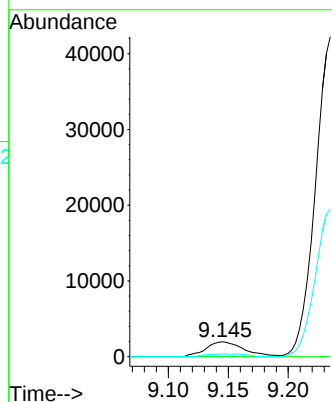
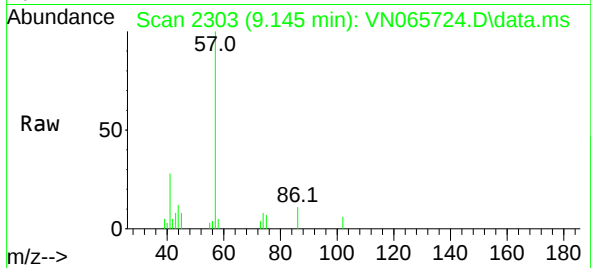




#48
Methyl methacrylate
Concen: 1.65 ug/l
RT: 9.145 min Scan# 2303
Delta R.T. -0.022 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

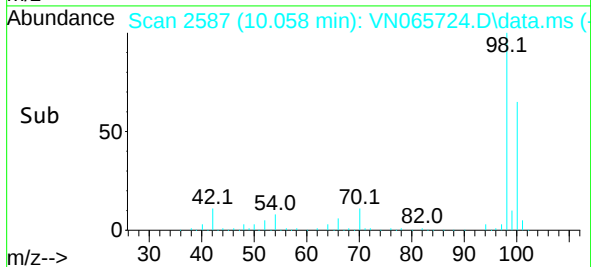
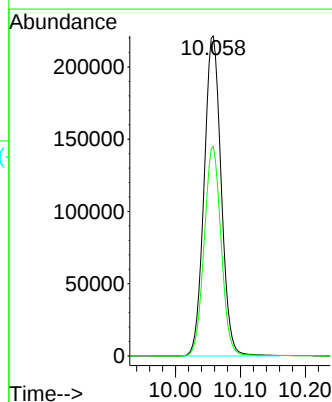
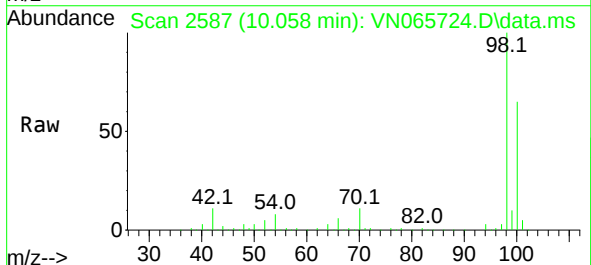
Instrument :
MSVOA_N
ClientSampled :

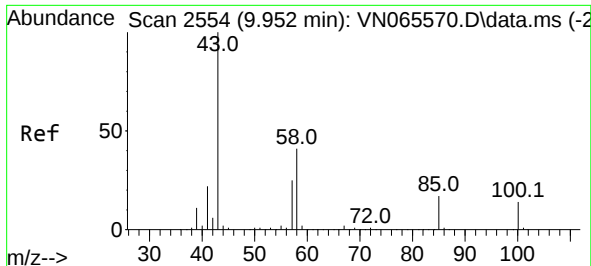
Tgt Ion: 41 Resp: 4349
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 53.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 98 Resp: 404955
Ion Ratio Lower Upper
98 100
100 65.0 50.5 75.7

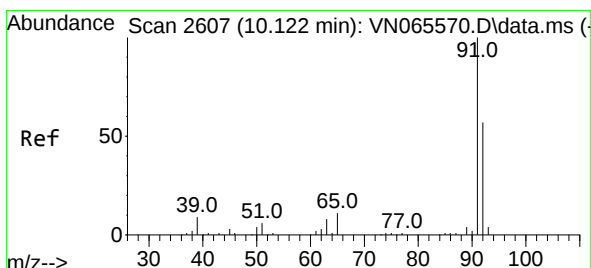
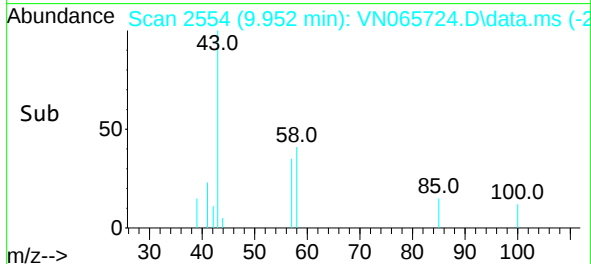
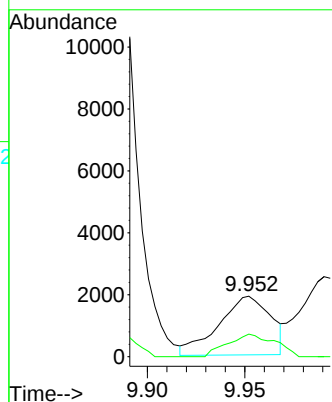
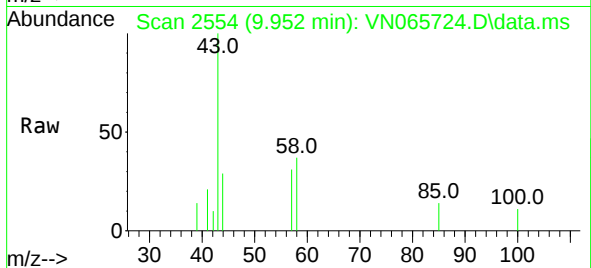




#51
4-Methyl-2-Pentanone
Concen: 1.15 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

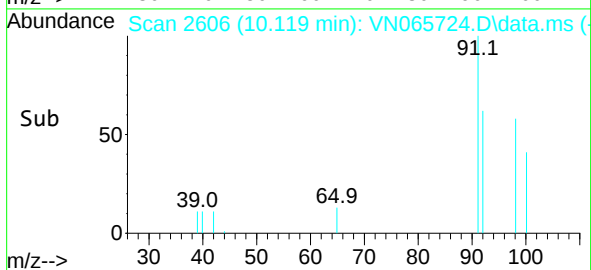
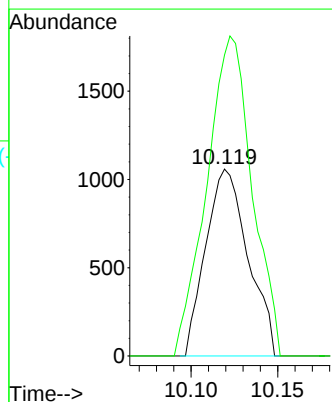
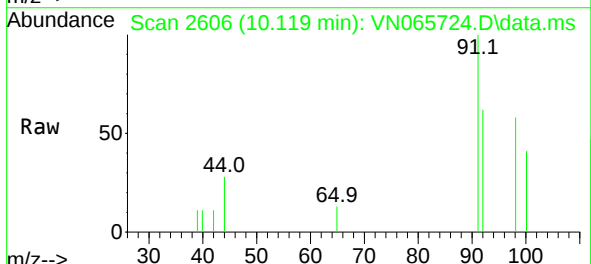
Instrument :
MSVOA_N
ClientSampled :

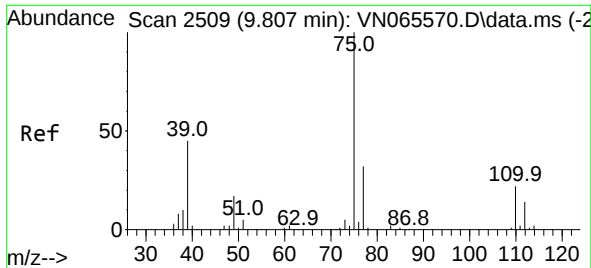
Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
58 35.2 32.5 48.7



#52
Toluene
Concen: 0.31 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.003 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 92 Resp: 1800
Ion Ratio Lower Upper
92 100
91 183.3 140.7 211.1

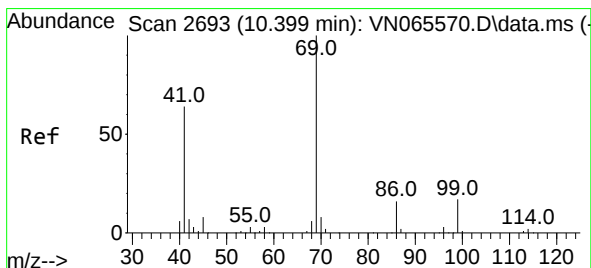
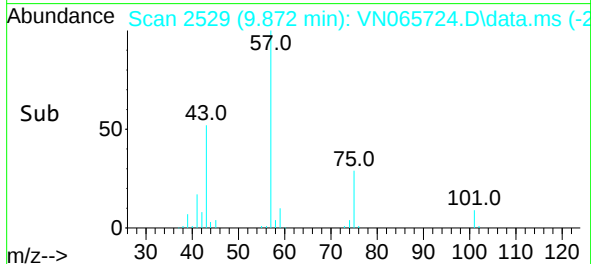
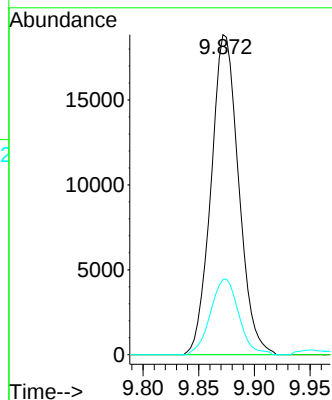
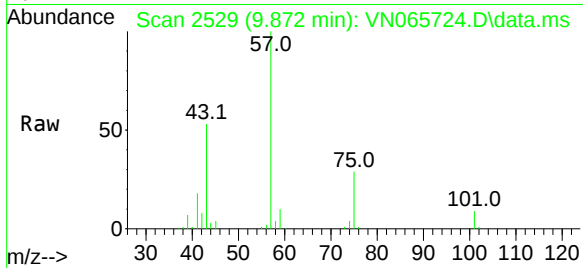




#54
 cis-1,3-Dichloropropene
 Concen: 7.73 ug/l
 RT: 9.872 min Scan# 2529
 Delta R.T. 0.065 min
 Lab File: VN065724.D
 Acq: 4 Feb 2021 17:57

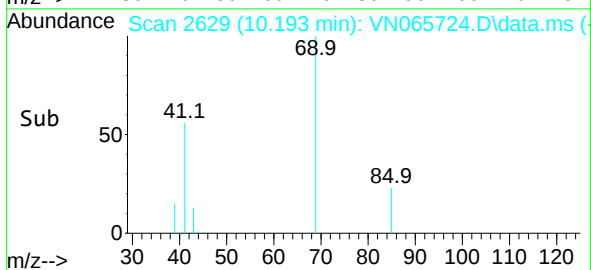
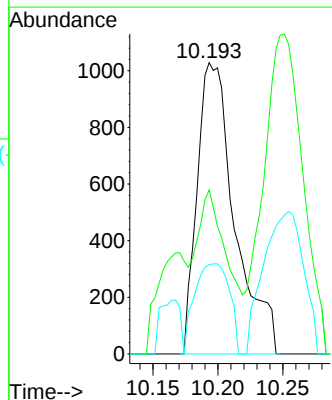
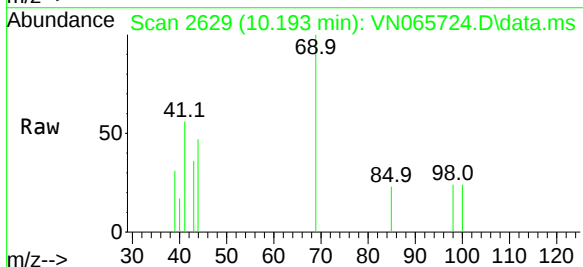
Instrument :
 MSVOA_N
 ClientSampled :

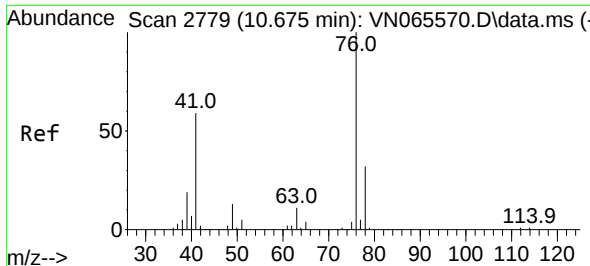
Tgt Ion: 75 Resp: 32504
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 23.4 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 0.56 ug/l
 RT: 10.193 min Scan# 2629
 Delta R.T. -0.206 min
 Lab File: VN065724.D
 Acq: 4 Feb 2021 17:57

Tgt Ion: 69 Resp: 2068
 Ion Ratio Lower Upper
 69 100
 41 47.2 49.6 74.4#
 39 28.6 28.0 42.0

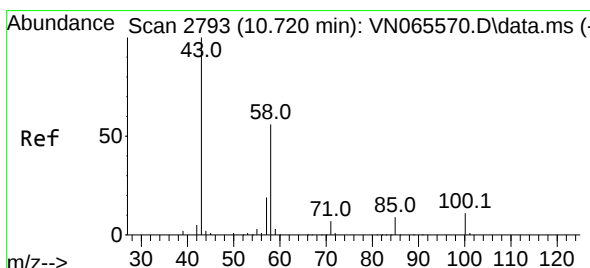
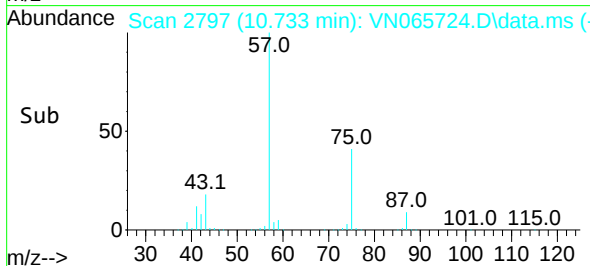
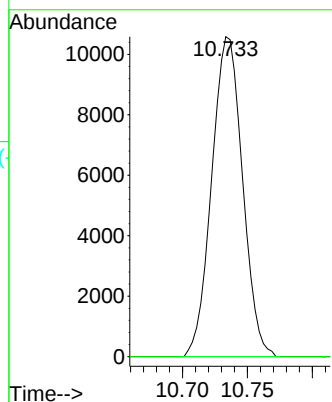
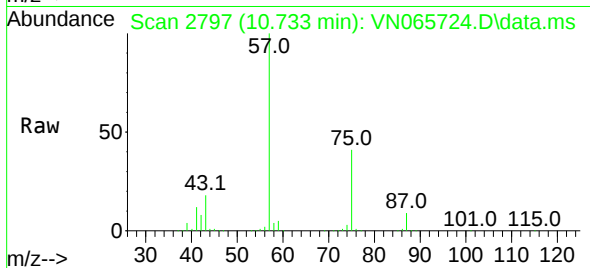




#57
1,3-Dichloropropane
Concen: 4.41 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.058 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

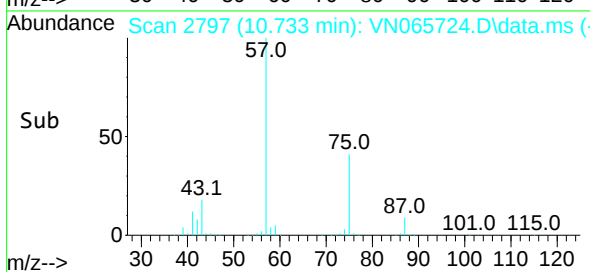
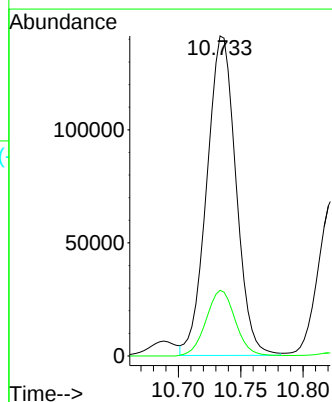
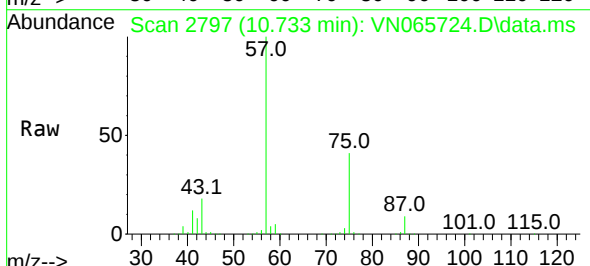
Instrument :
MSVOA_N
ClientSampled :

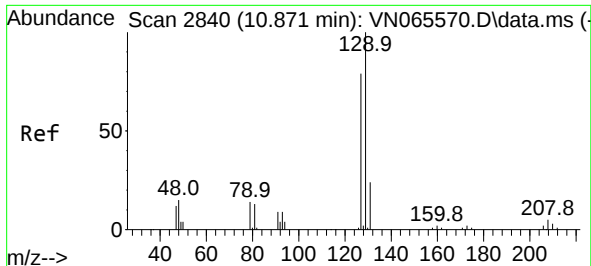
Tgt Ion: 76 Resp: 17439
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 108.43 ug/l
RT: 10.733 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 43 Resp: 229930
Ion Ratio Lower Upper
43 100
58 20.7 28.1 84.3#

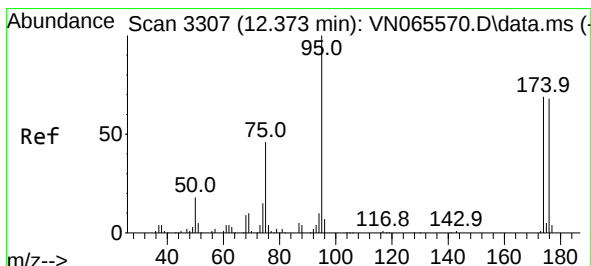
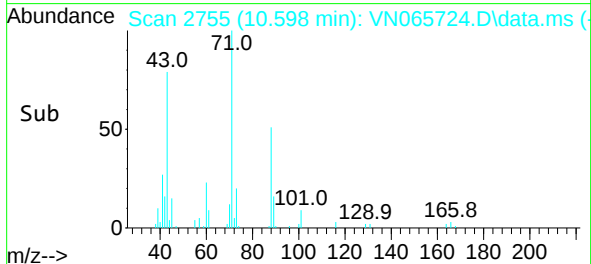
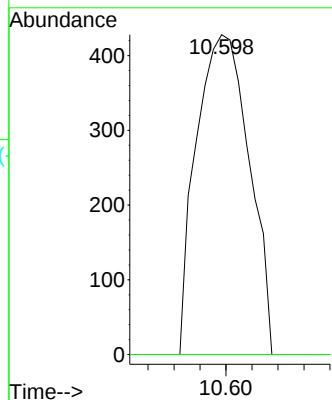
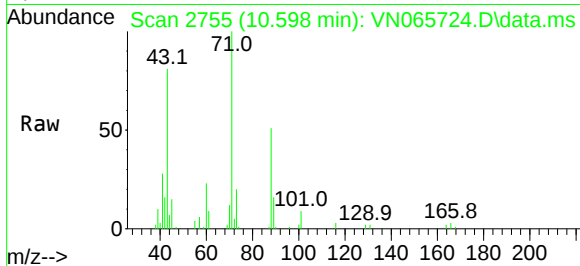




#60
Dibromochloromethane
Concen: 0.26 ug/l
RT: 10.598 min Scan# 2755
Delta R.T. -0.273 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

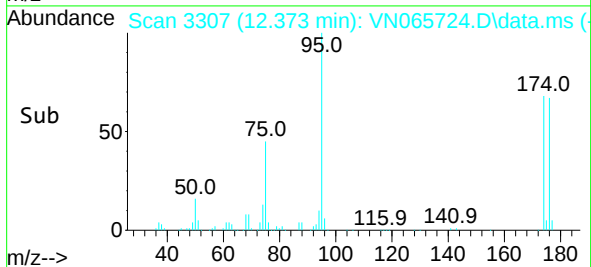
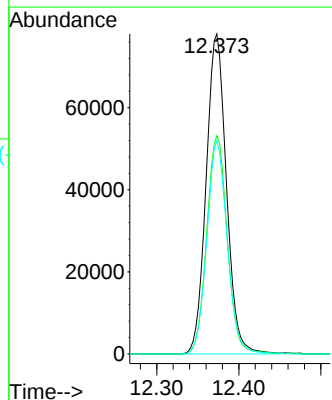
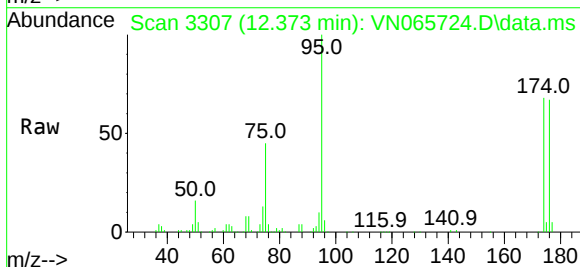
Instrument :
MSVOA_N
ClientSampled :

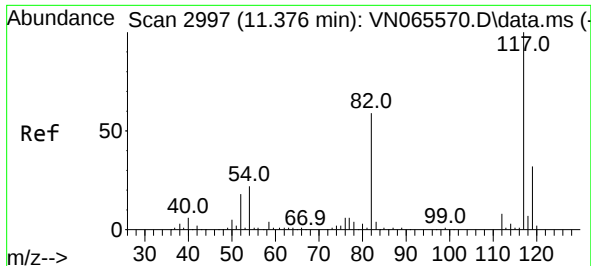
Tgt Ion:129 Resp: 604
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 49.33 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 95 Resp: 133924
Ion Ratio Lower Upper
95 100
174 69.2 0.0 169.0
176 66.8 0.0 162.4

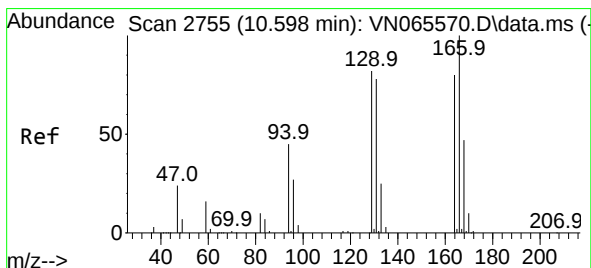
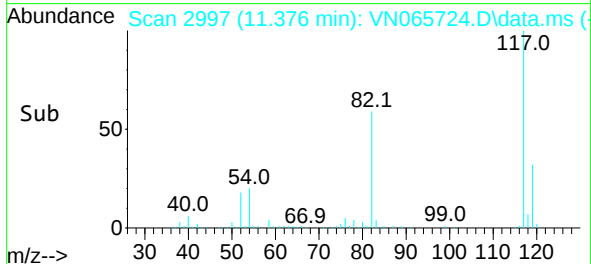
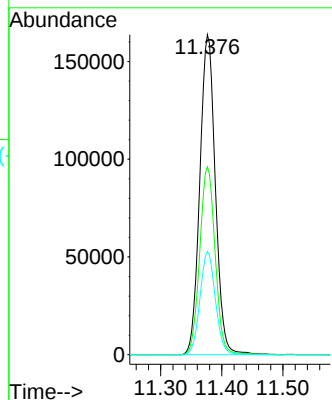
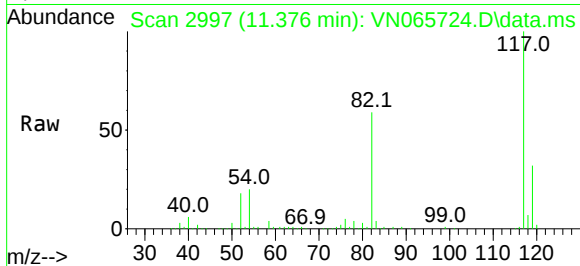




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

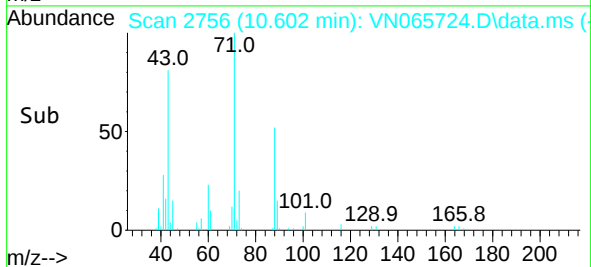
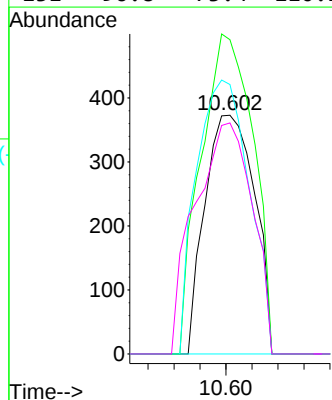
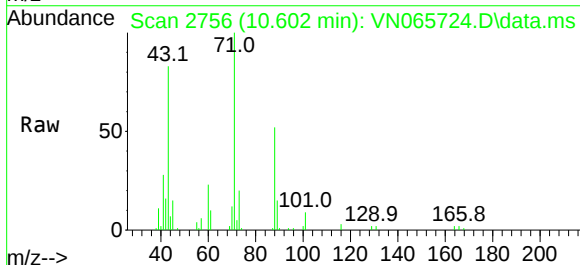
Instrument :
MSVOA_N
ClientSampled :

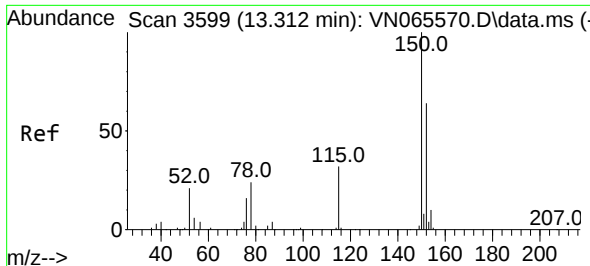
Tgt Ion:117 Resp: 288986
Ion Ratio Lower Upper
117 100
82 58.7 43.7 65.5
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 0.20 ug/l
RT: 10.602 min Scan# 2756
Delta R.T. 0.004 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion:164 Resp: 494
Ion Ratio Lower Upper
164 100
166 131.6 102.6 154.0
129 112.9 76.2 114.4
131 96.8 73.4 110.2

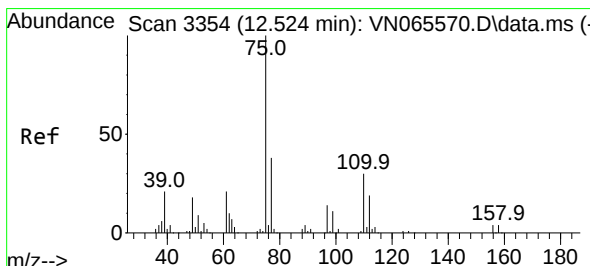
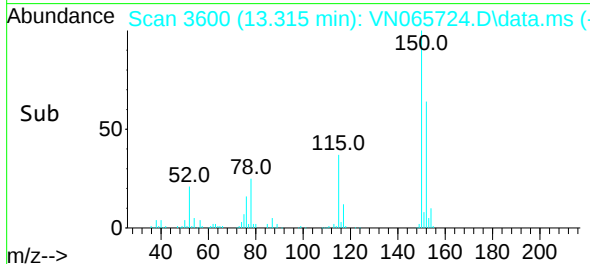
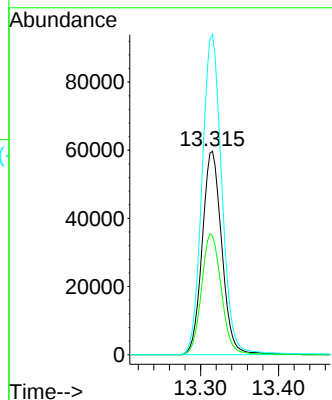
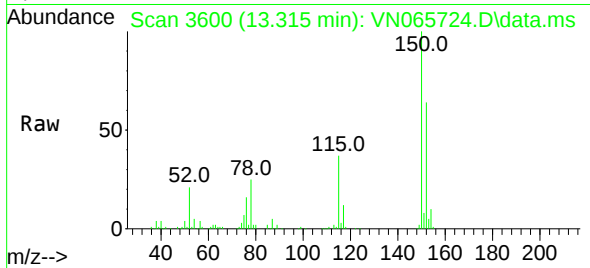




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

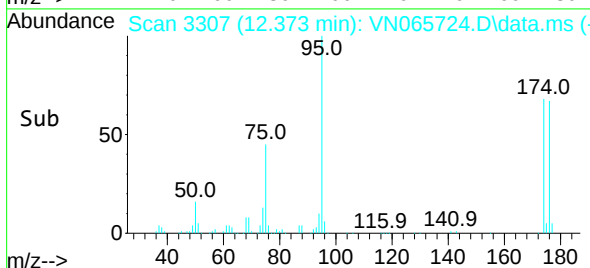
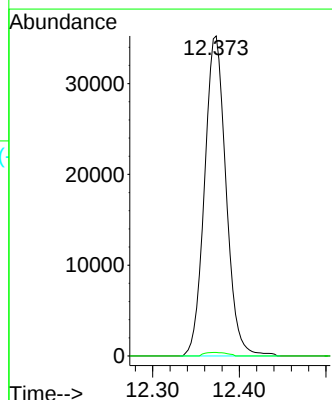
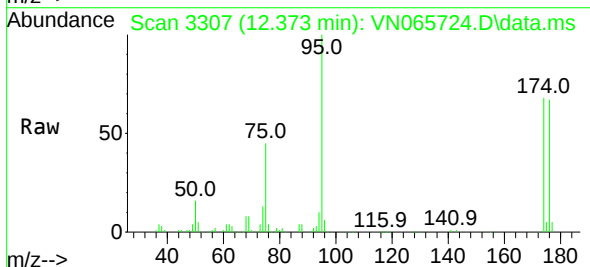
Instrument :
MSVOA_N
ClientSampled :

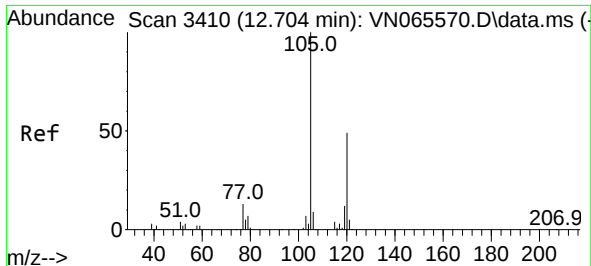
Tgt Ion:152 Resp: 104262
Ion Ratio Lower Upper
152 100
115 60.0 28.5 85.6
150 159.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 22.27 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 75 Resp: 60707
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

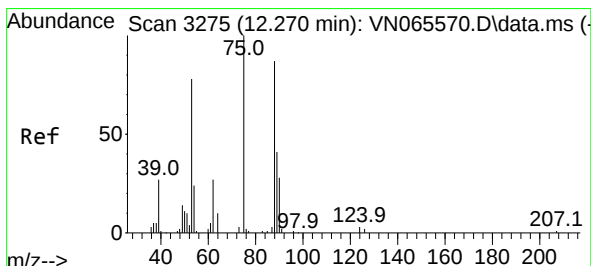
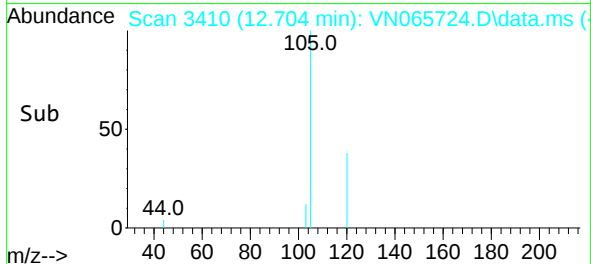
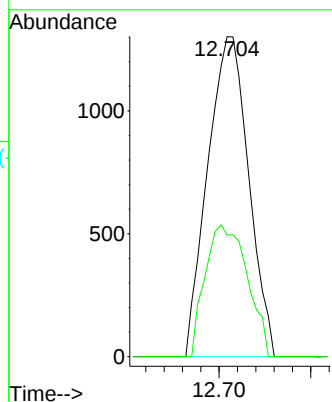
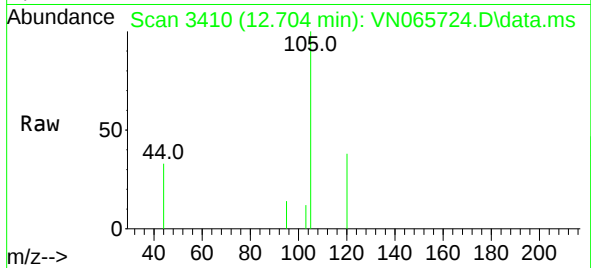




#80
1,3,5-Trimethylbenzene
Concen: 0.26 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:105 Resp: 2019
Ion Ratio Lower Upper
105 100
120 42.2 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 57.03 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065724.D
Acq: 4 Feb 2021 17:57

Tgt Ion: 75 Resp: 60707
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

