

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068877.D
 Acq On : 12 Oct 2021 21:56
 Operator : JC/MD
 Sample : M4159-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:23:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

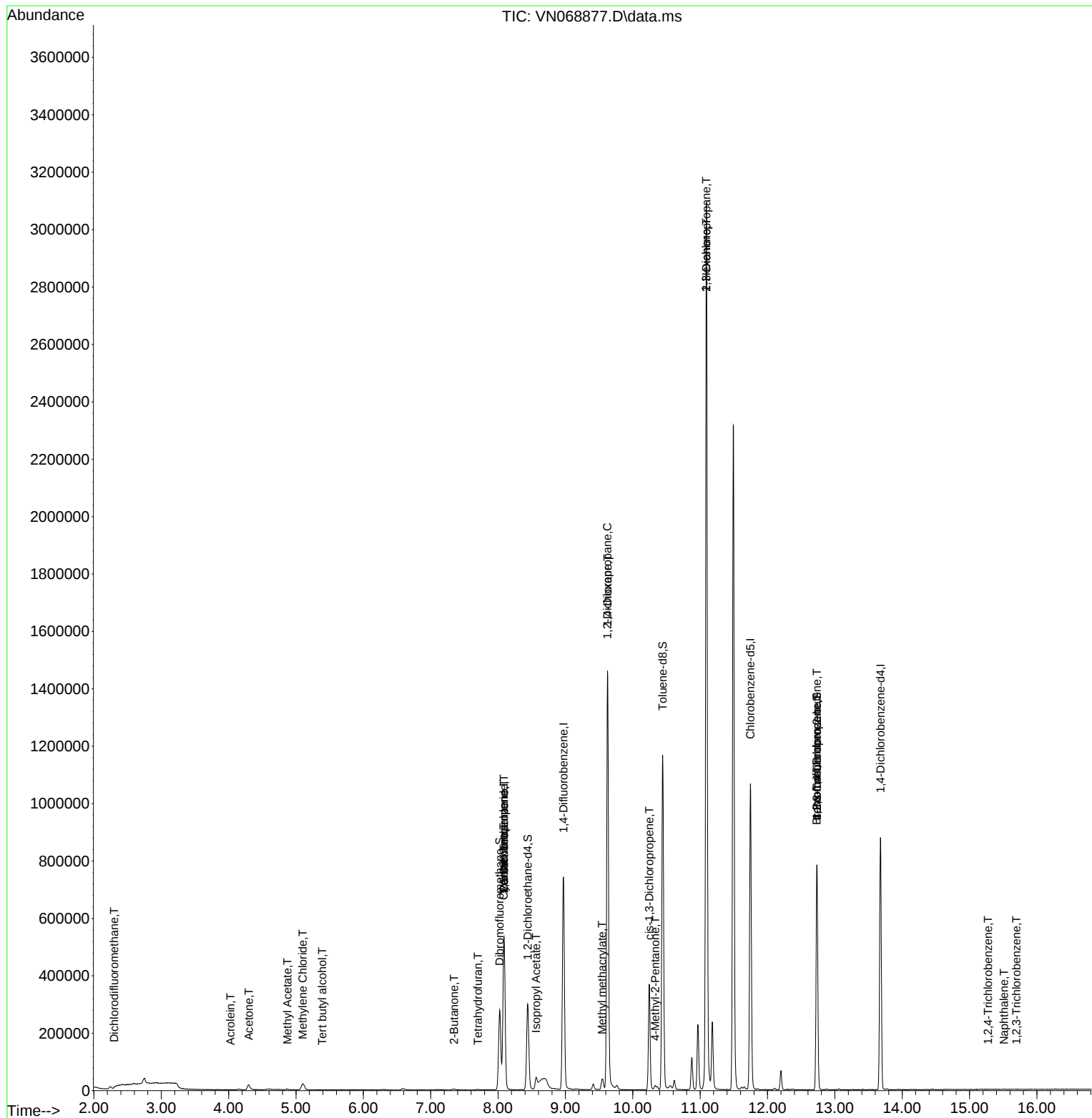
Internal Standards						
1) Pentafluorobenzene	8.088	168	418650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	682092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	630741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	243080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	252920	45.821	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.640%		
35) Dibromofluoromethane	8.024	113	206625	52.067	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.140%		
50) Toluene-d8	10.443	98	836542	52.684	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.360%		
62) 4-Bromofluorobenzene	12.733	95	287006	47.908	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.301	85	113	1.265	ug/l #	42
11) Tert butyl alcohol	5.390	59	265	0.263	ug/l #	1
13) Acrolein	4.028	56	148	0.332	ug/l #	45
16) Acetone	4.299	43	33073	16.056	ug/l	100
18) Methyl Acetate	4.873	43	5855	0.749	ug/l #	78
20) Methylene Chloride	5.098	84	18595	3.922	ug/l	91
25) 2-Butanone	7.345	43	5790	1.859	ug/l #	87
29) Tetrahydrofuran	7.699	42	1962	0.971	ug/l #	79
31) Cyclohexane	8.083	56	9676	1.127	ug/l #	17
36) 1,1-Dichloropropene	8.086	75	32082	5.507	ug/l #	50
38) Carbon Tetrachloride	8.088	117	42059	6.573	ug/l #	16
43) Isopropyl Acetate	8.566	43	55592	5.236	ug/l #	80
45) 1,2-Dichloropropane	9.622	63	1665	0.362	ug/l #	43
48) Methyl methacrylate	9.545	41	10299	2.065	ug/l #	27
49) 1,4-Dioxane	9.625	88	81	36.437	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	7720	1.254	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	70455	9.180	ug/l #	57
57) 1,3-Dichloropropane	11.092	76	33365	4.496	ug/l #	42
59) 2-Hexanone	11.092	43	488676	110.693	ug/l #	50
71) Bromoform	12.731	173	2165	0.579	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	146203	28.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	146203	67.629	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.273	180	371	2.688	ug/l #	63
95) Naphthalene	15.512	128	1575	3.941	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.694	180	75	2.532	ug/l #	1

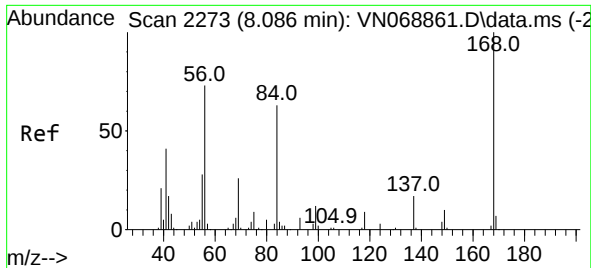
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
Data File : VN068877.D
Acq On : 12 Oct 2021 21:56
Operator : JC/MD
Sample : M4159-13
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 13 08:23:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

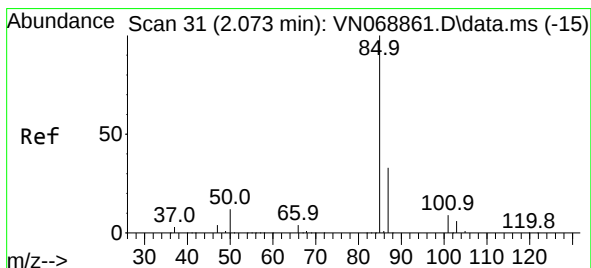
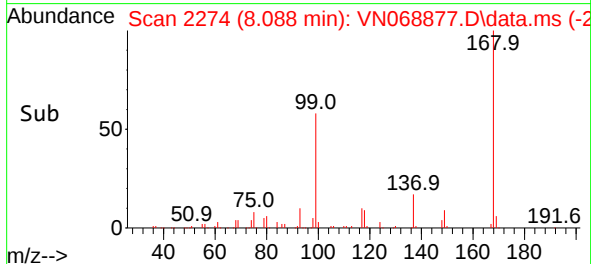
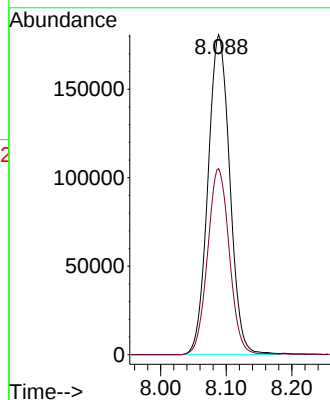
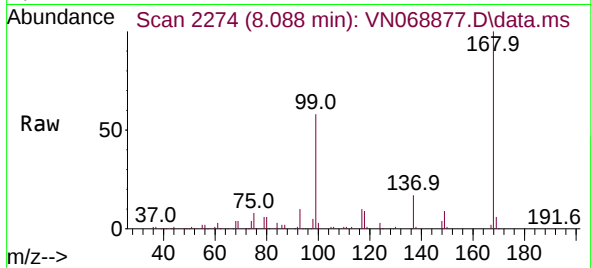




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

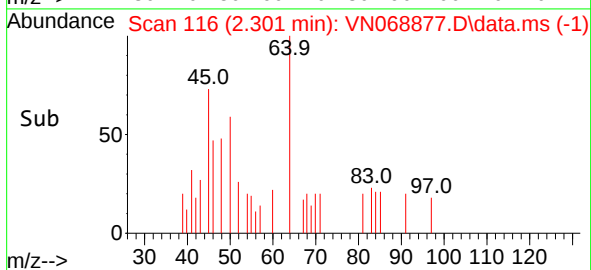
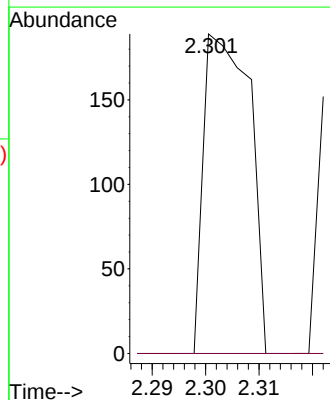
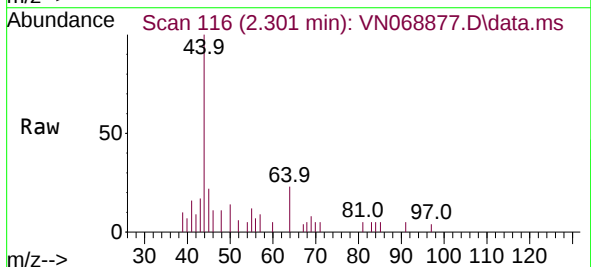
Instrument :
MSVOA_N
ClientSampled :

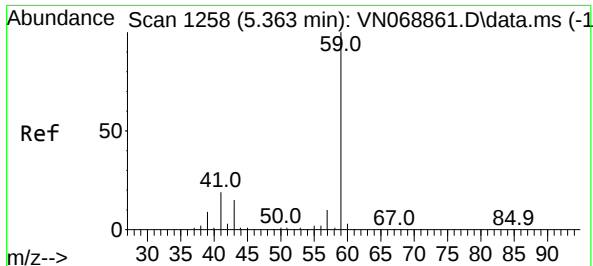
Tgt Ion:168 Resp: 418650
Ion Ratio Lower Upper
168 100
99 58.2 48.9 73.3



#2
Dichlorodifluoromethane
Concen: 1.265 ug/l
RT: 2.301 min Scan# 116
Delta R.T. 0.228 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 85 Resp: 113
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#



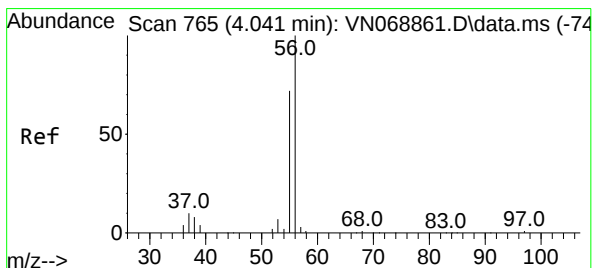
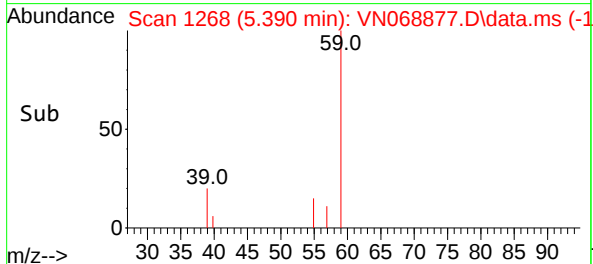
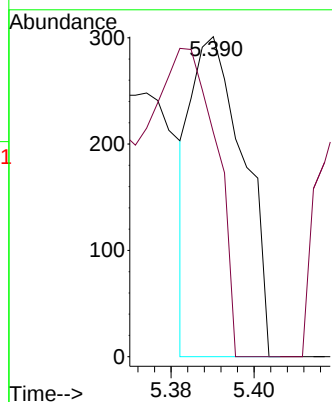
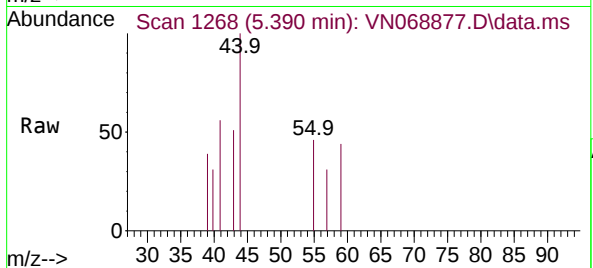


#11

Tert butyl alcohol
Concen: 0.263 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.027 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Instrument :
MSVOA_N
ClientSampled :

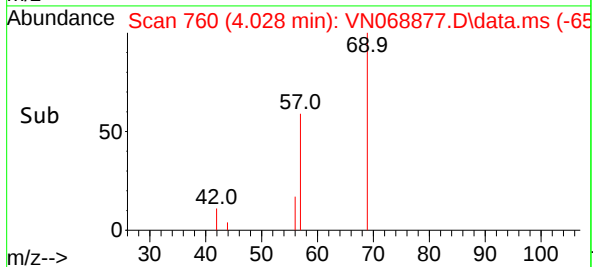
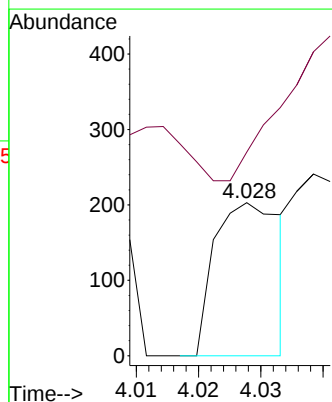
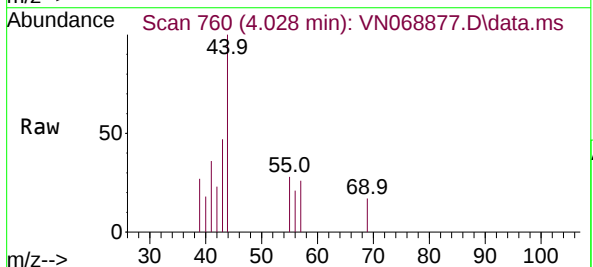
Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 177.7 8.3 12.5#

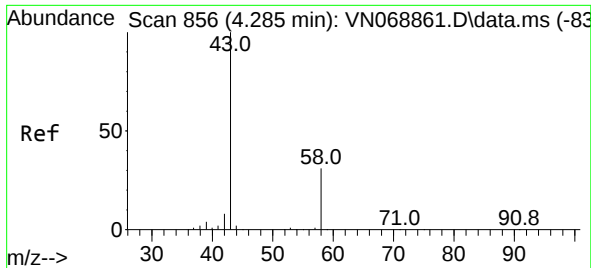


#13

Acrolein
Concen: 0.332 ug/l
RT: 4.028 min Scan# 760
Delta R.T. -0.013 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 118.9 58.1 87.1#

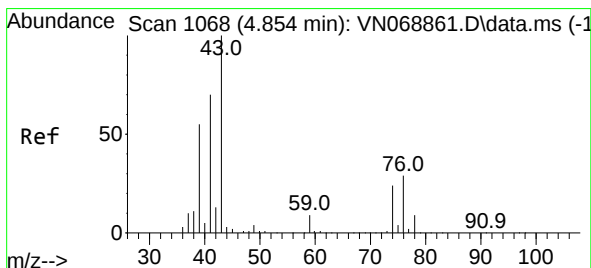
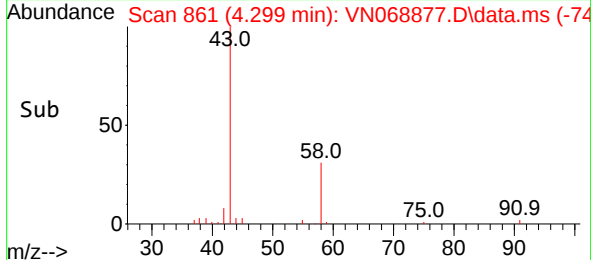
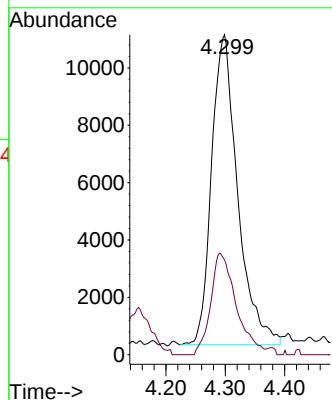
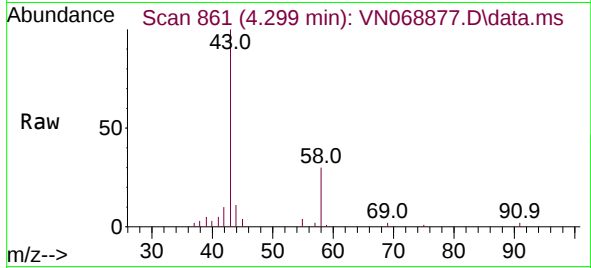




#16
Acetone
Concen: 16.056 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

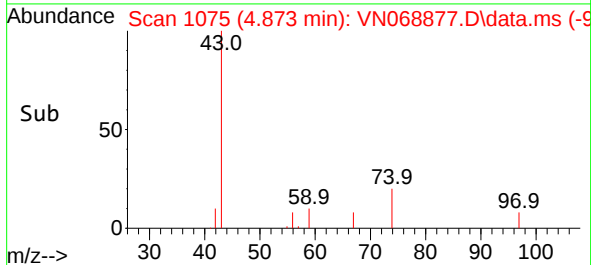
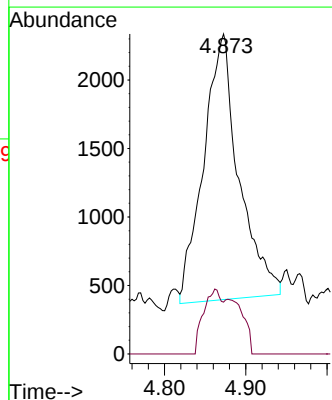
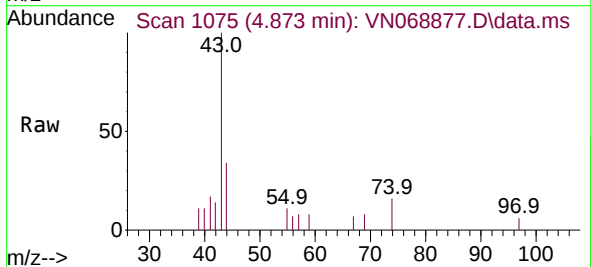
Instrument :
MSVOA_N
ClientSampled :

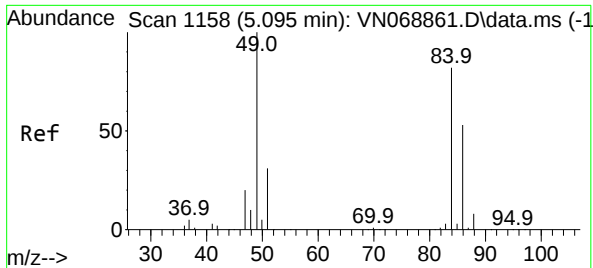
Tgt Ion: 43 Resp: 33073
Ion Ratio Lower Upper
43 100
58 30.6 24.5 36.7



#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 43 Resp: 5855
Ion Ratio Lower Upper
43 100
74 13.0 18.9 28.3#

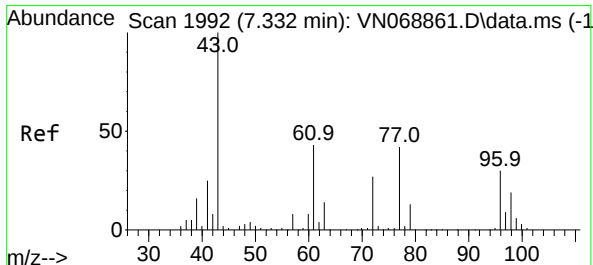
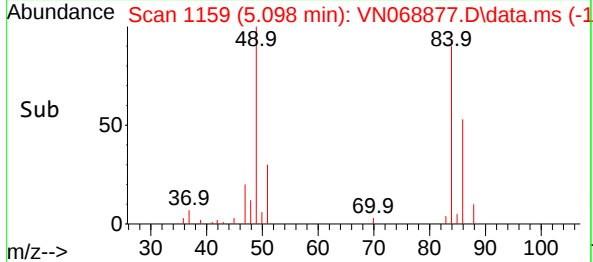
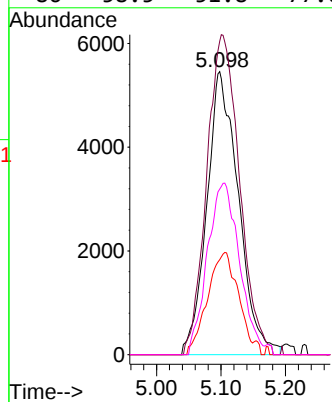
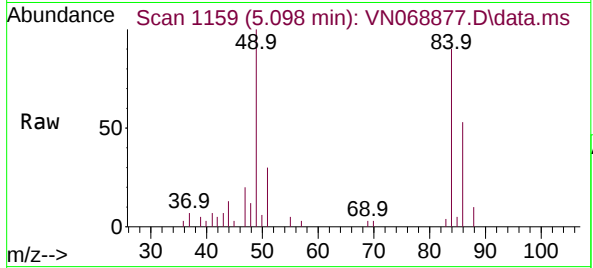




#20
Methylene Chloride
Concen: 3.922 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

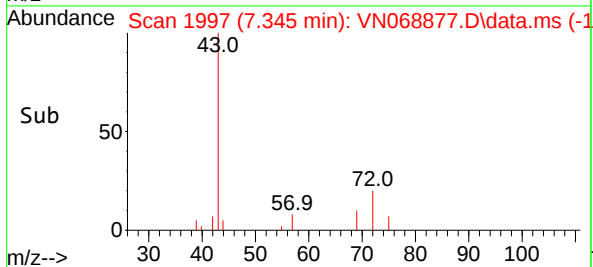
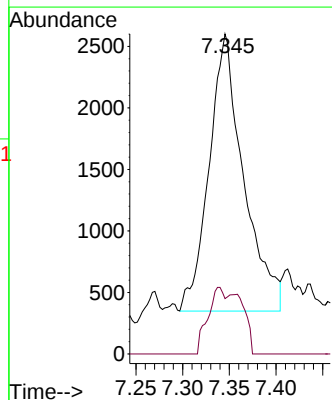
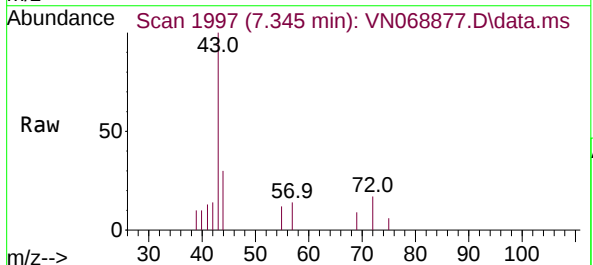
Instrument :
MSVOA_N
ClientSampled :

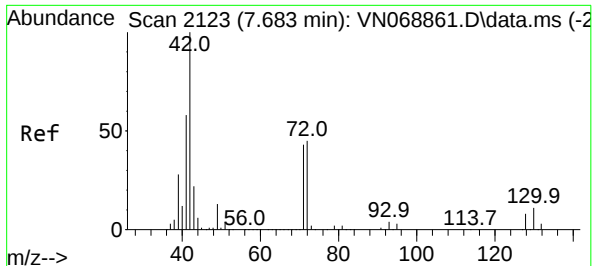
Tgt Ion:	84	Resp:	18595
Ion	Ratio	Lower	Upper
84	100		
49	110.7	97.6	146.4
51	33.6	30.3	45.5
86	58.5	51.8	77.6



#25
2-Butanone
Concen: 1.859 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion:	43	Resp:	5790
Ion	Ratio	Lower	Upper
43	100		
72	20.0	21.2	31.8#





#29

Tetrahydrofuran

Concen: 0.971 ug/l

RT: 7.699 min Scan# 2129

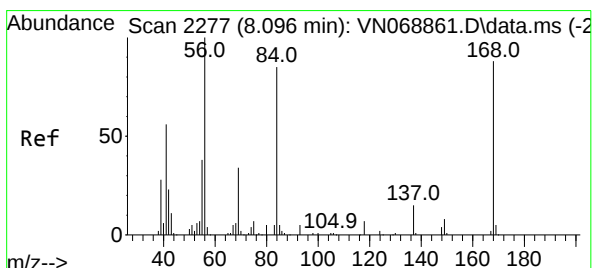
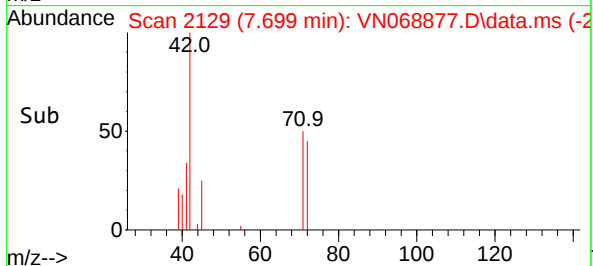
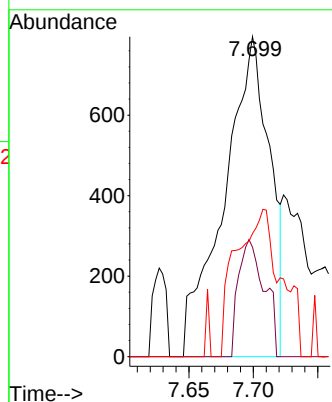
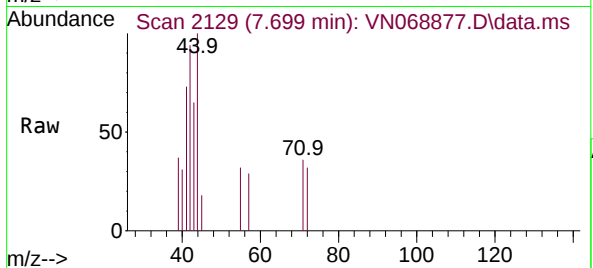
Delta R.T. 0.016 min

Lab File: VN068877.D

Acq: 12 Oct 2021 21:56

Tgt Ion:	42	Resp:	1962
Ion	Ratio	Lower	Upper
42	100		
72	20.6	35.4	53.2#
71	45.0	33.8	50.6

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.127 ug/l

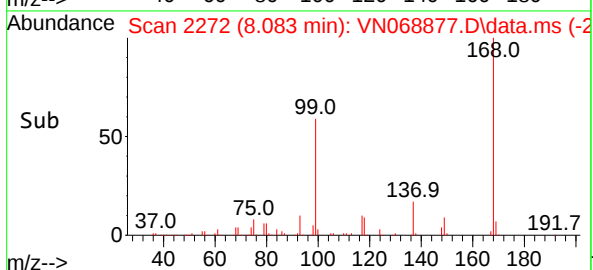
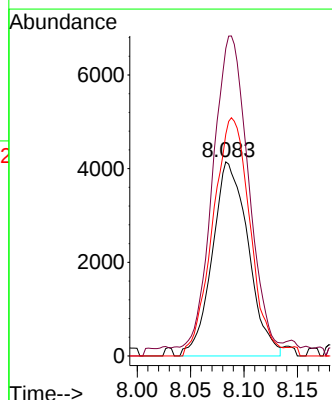
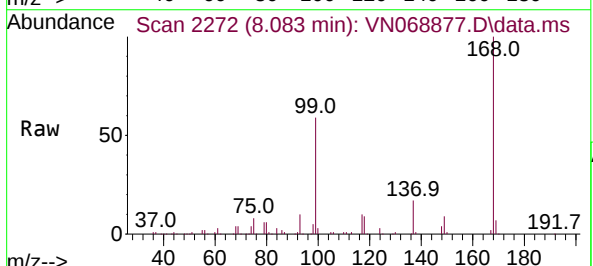
RT: 8.083 min Scan# 2272

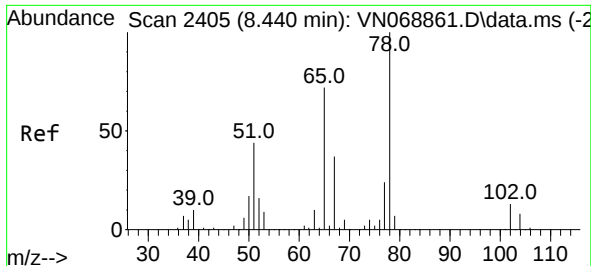
Delta R.T. -0.013 min

Lab File: VN068877.D

Acq: 12 Oct 2021 21:56

Tgt Ion:	56	Resp:	9676
Ion	Ratio	Lower	Upper
56	100		
69	153.9	26.9	40.3#
84	114.2	67.6	101.4#



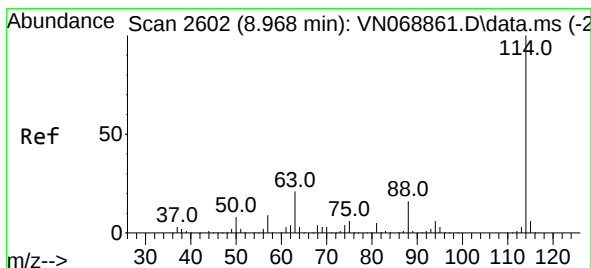
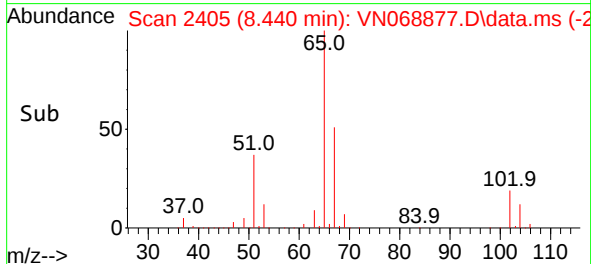
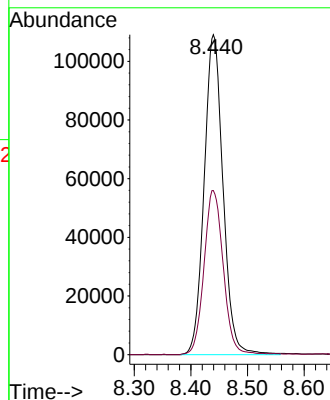
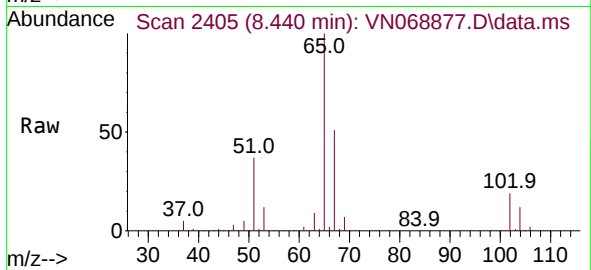


#33

1,2-Dichloroethane-d4
Concen: 45.821 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Instrument :
MSVOA_N
ClientSampled :

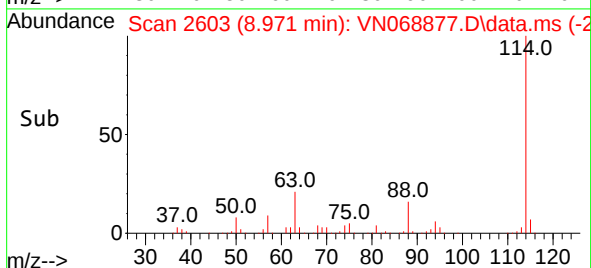
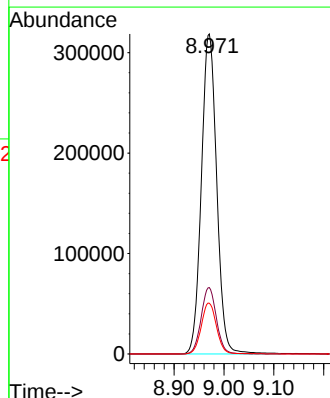
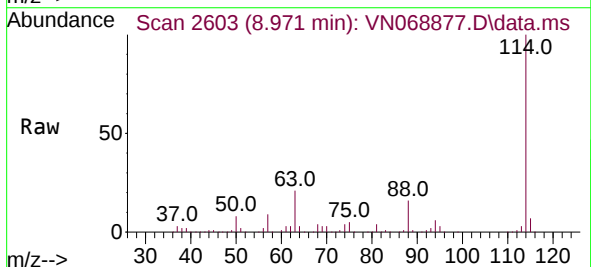
Tgt Ion: 65 Resp: 252920
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.8

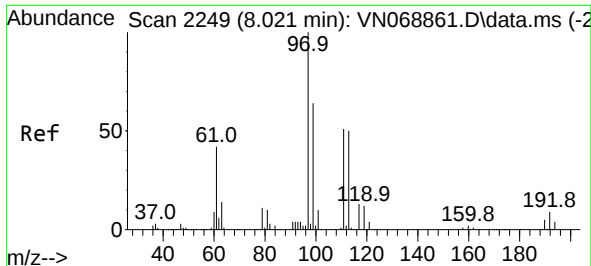


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 114 Resp: 682092
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 15.8 0.0 32.0

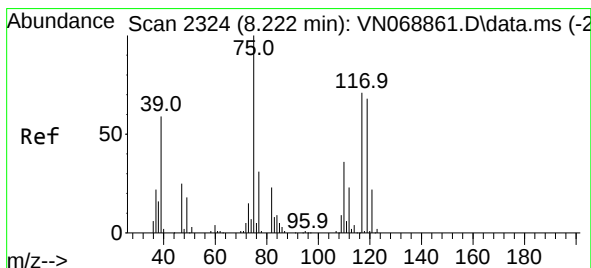
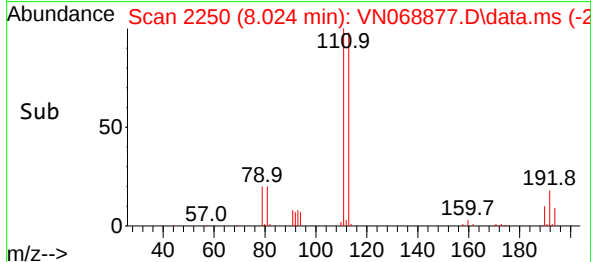
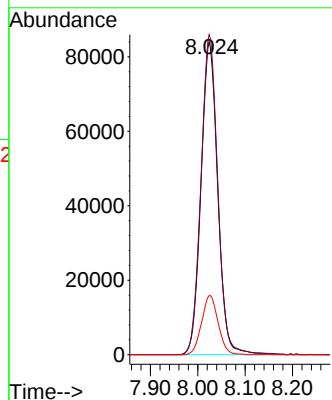
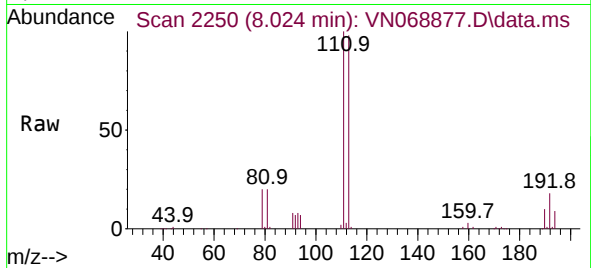




#35
Dibromofluoromethane
Concen: 52.067 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

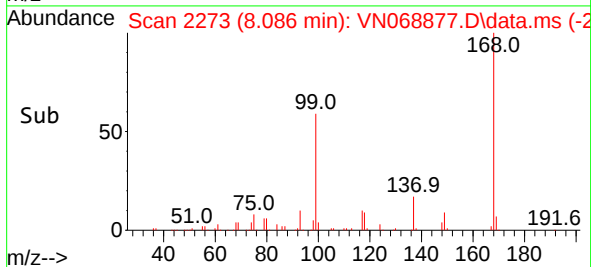
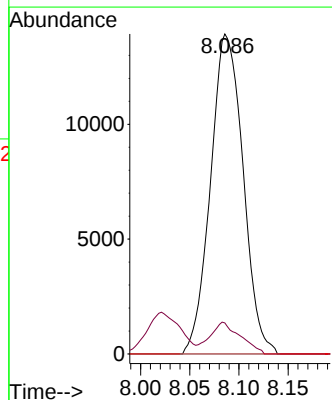
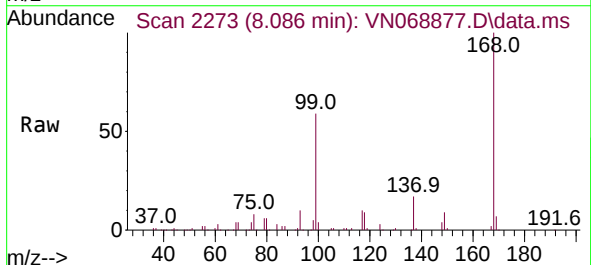
Instrument :
MSVOA_N
ClientSampled :

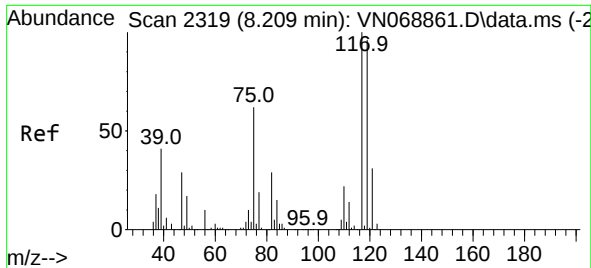
Tgt Ion:113 Resp: 206625
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.507 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 75 Resp: 32082
Ion Ratio Lower Upper
75 100
110 9.2 17.9 53.8#
77 0.0 24.7 37.1#

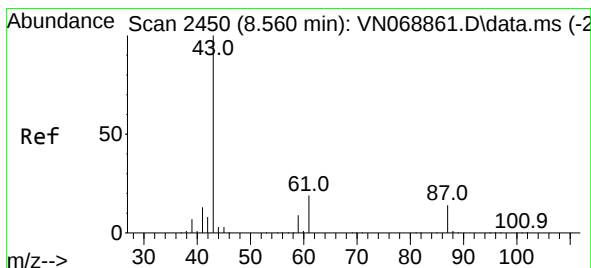
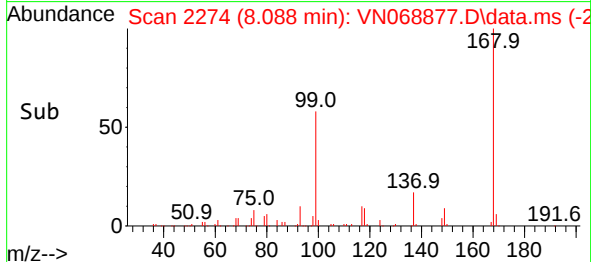
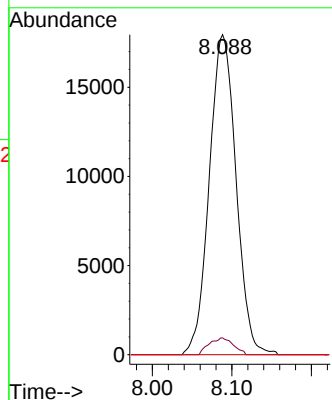
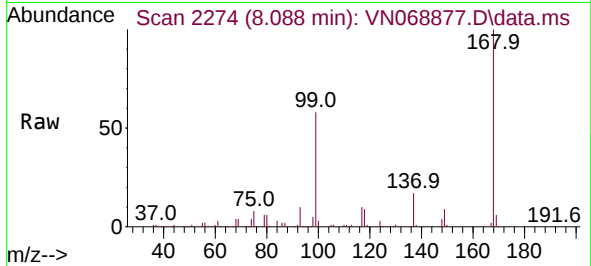




#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

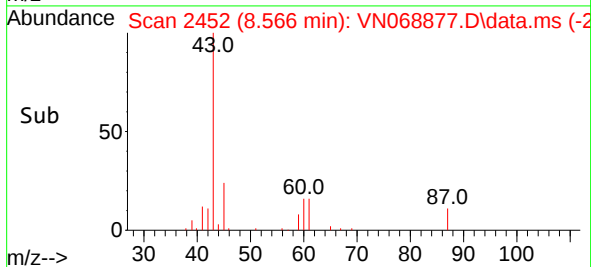
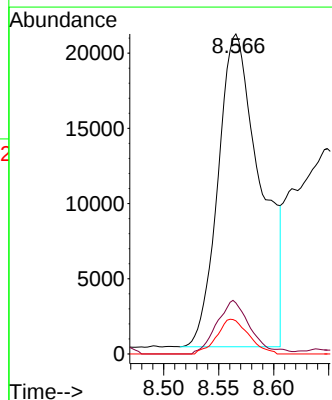
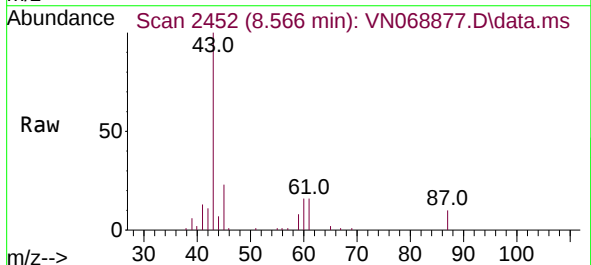
Instrument :
MSVOA_N
ClientSampleId :

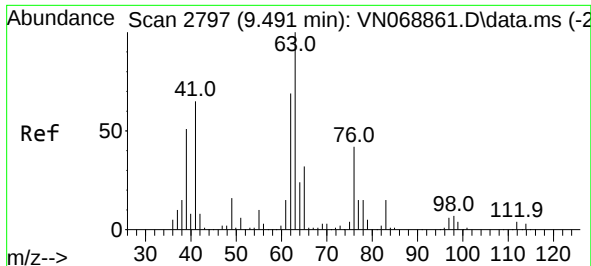
Tgt Ion:117 Resp: 42059
Ion Ratio Lower Upper
117 100
119 5.3 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.236 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 43 Resp: 55592
Ion Ratio Lower Upper
43 100
61 13.6 20.4 30.6#
87 8.4 10.7 16.1#

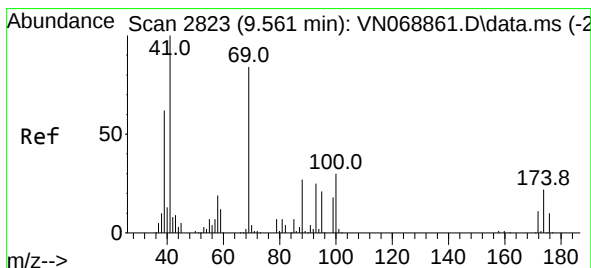
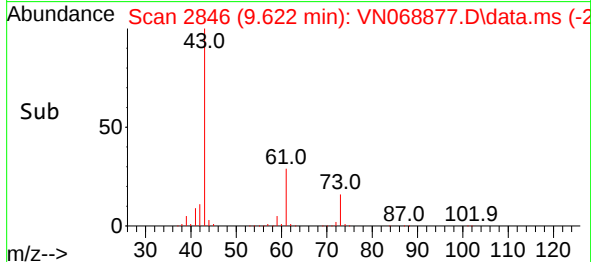
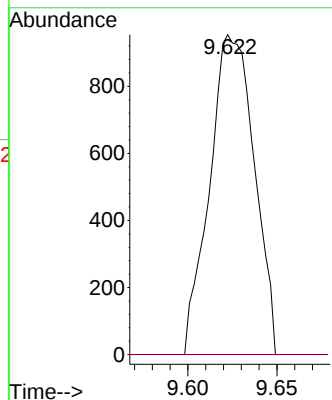
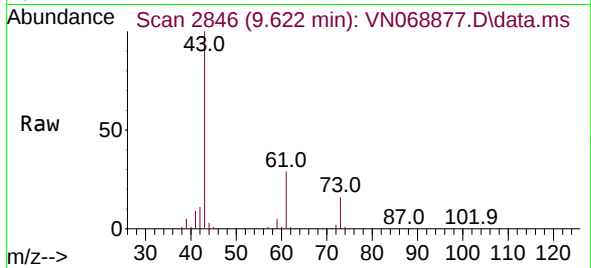




#45
1,2-Dichloropropane
Concen: 0.362 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

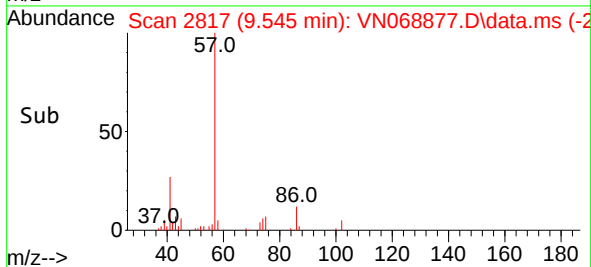
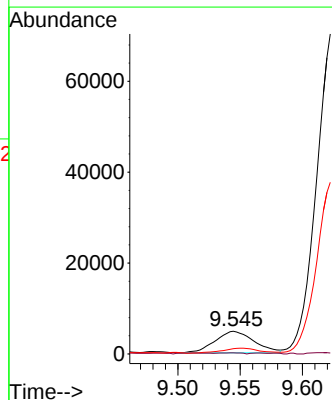
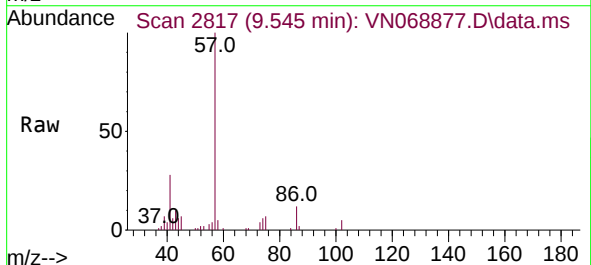
Instrument :
MSVOA_N
ClientSampled :

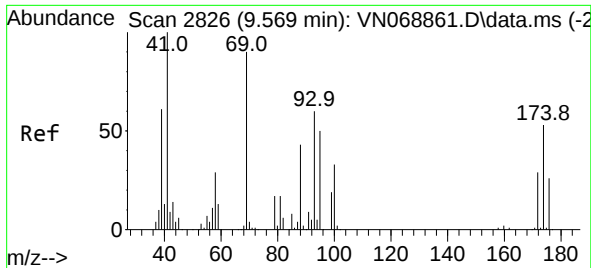
Tgt Ion: 63 Resp: 1665
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 2.065 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 41 Resp: 10299
Ion Ratio Lower Upper
41 100
69 3.0 66.4 99.6#
39 21.6 50.2 75.2#

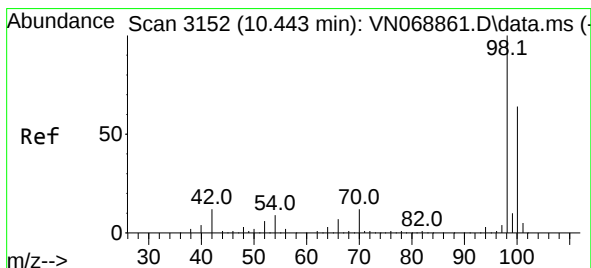
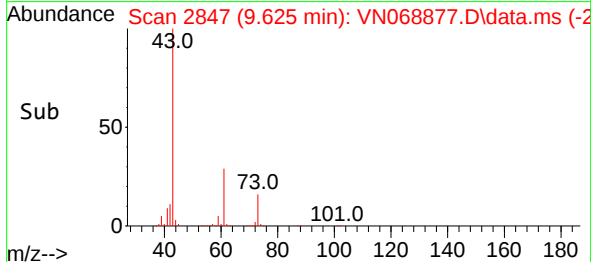
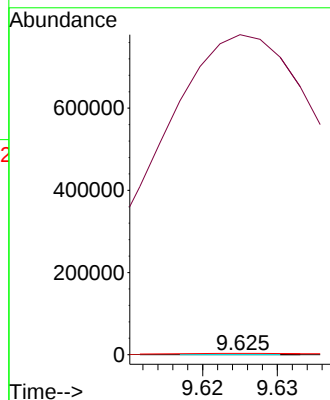
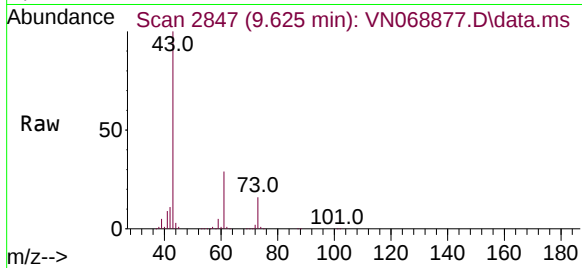




#49
1,4-Dioxane
Concen: 36.437 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

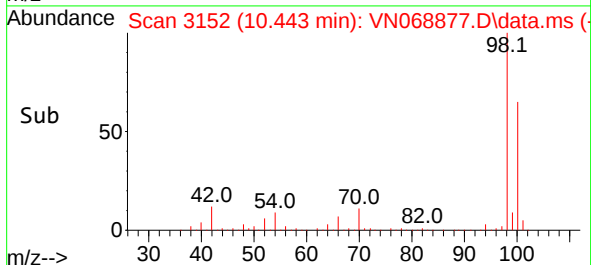
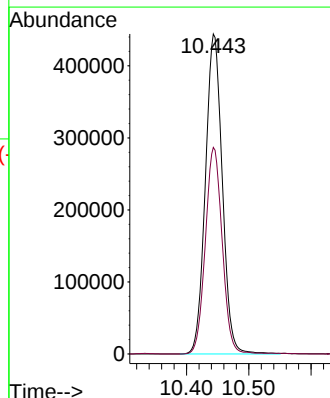
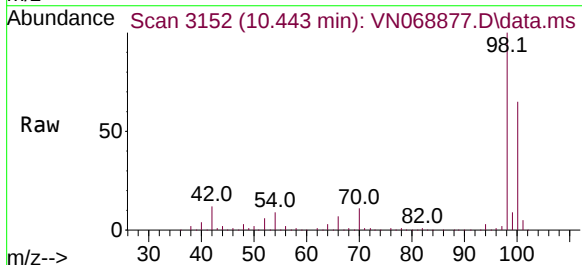
Instrument :
MSVOA_N
ClientSampled :

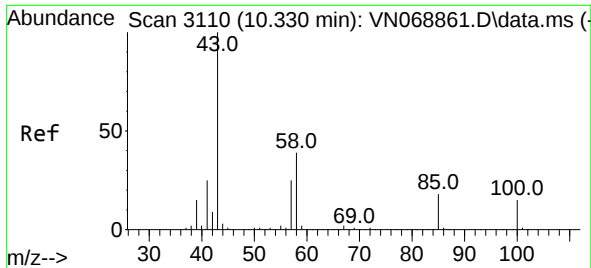
Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1860479.0 24.9 37.3#
58 7532.1 56.9 85.3#



#50
Toluene-d8
Concen: 52.684 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 98 Resp: 836542
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

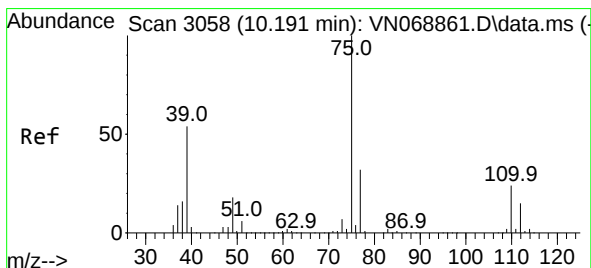
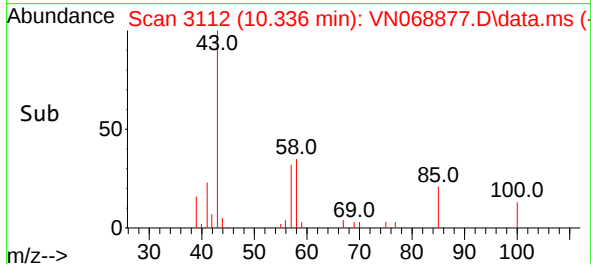
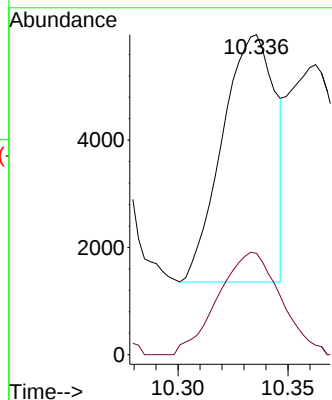
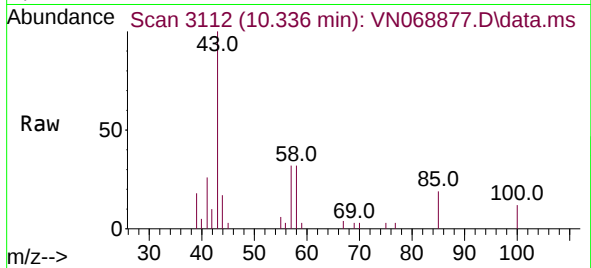




#51
4-Methyl-2-Pentanone
Concen: 1.254 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

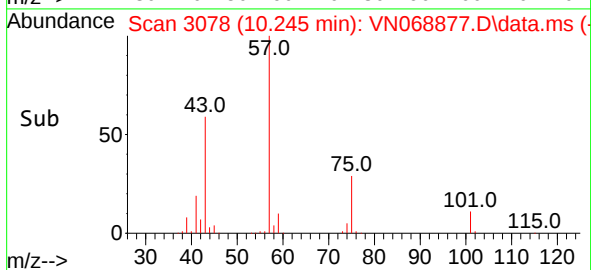
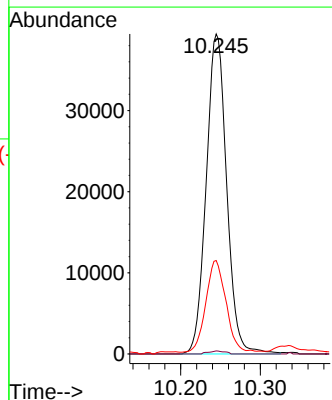
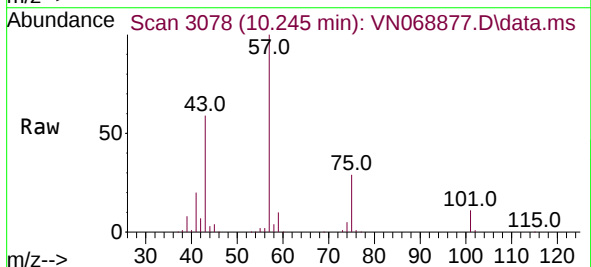
Instrument :
MSVOA_N
ClientSampled :

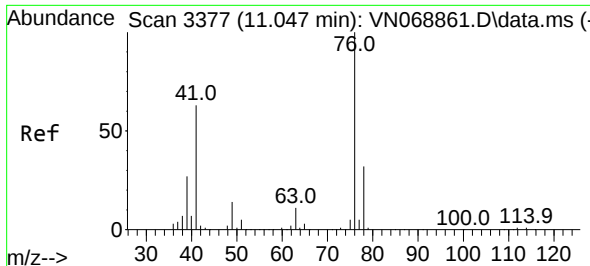
Tgt Ion: 43 Resp: 7720
Ion Ratio Lower Upper
43 100
58 49.0 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.180 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 75 Resp: 70455
Ion Ratio Lower Upper
75 100
77 0.9 25.6 38.4#
39 28.7 42.9 64.3#

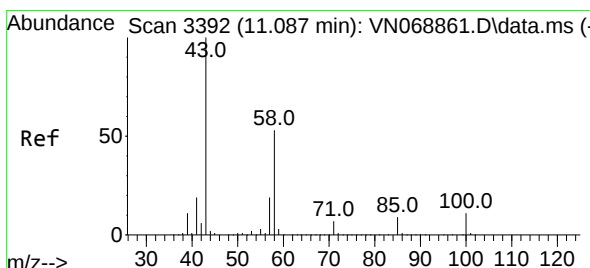
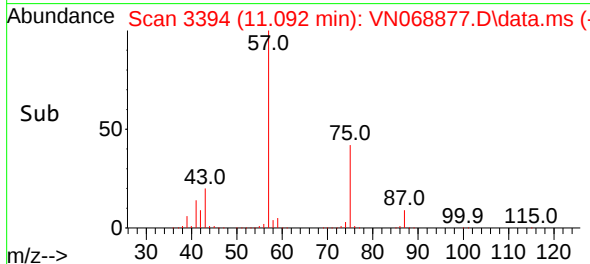
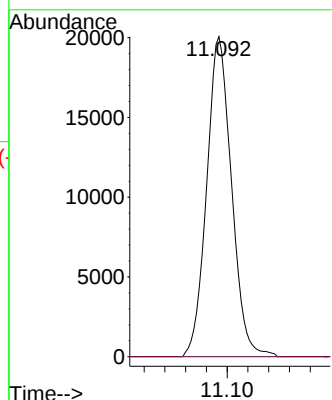
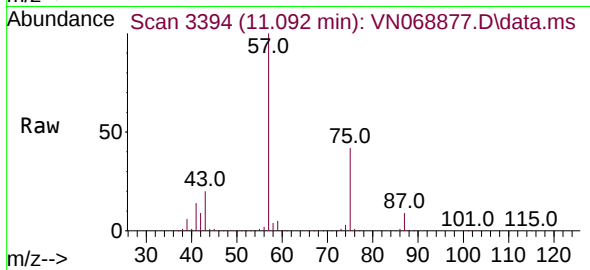




#57
1,3-Dichloropropane
Concen: 4.496 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

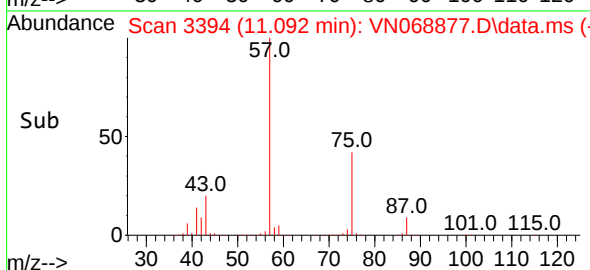
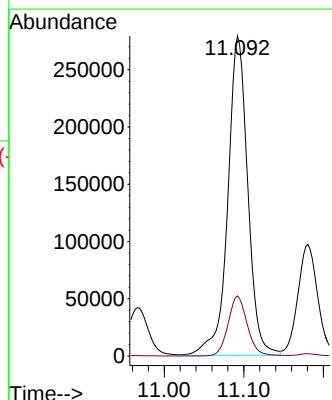
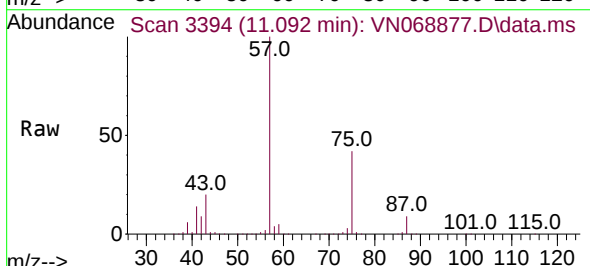
Instrument :
MSVOA_N
ClientSampled :

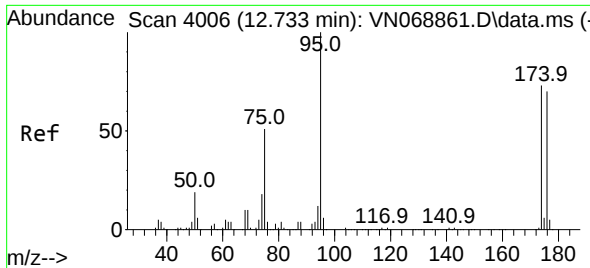
Tgt Ion: 76 Resp: 33365
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 110.693 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 43 Resp: 488676
Ion Ratio Lower Upper
43 100
58 18.0 26.9 80.7#

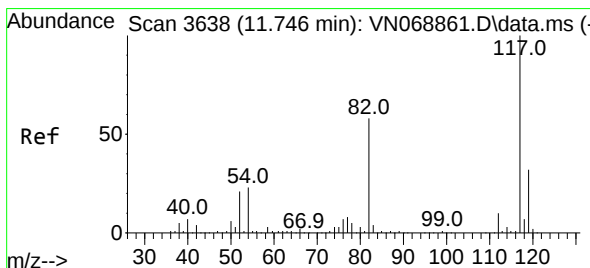
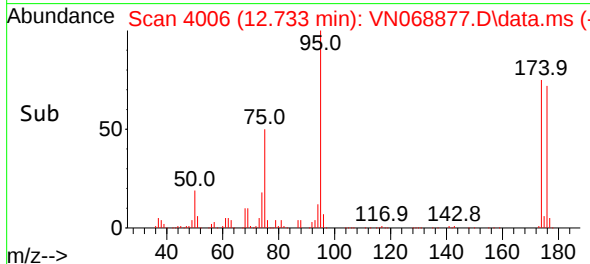
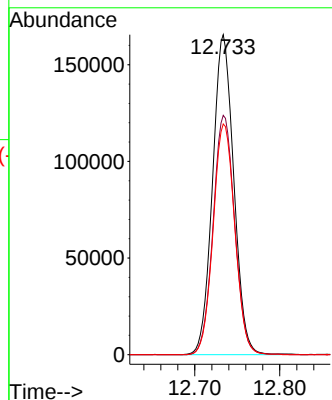
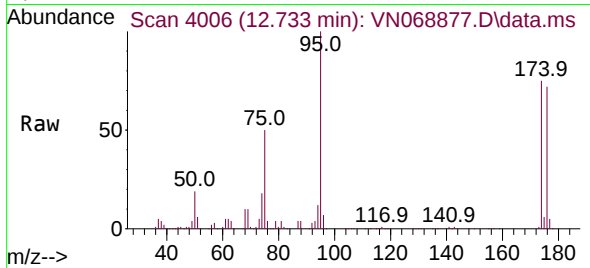




#62
4-Bromofluorobenzene
Concen: 47.908 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

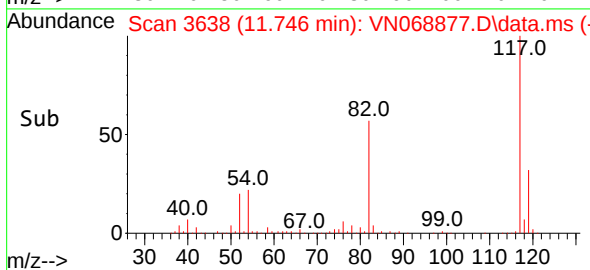
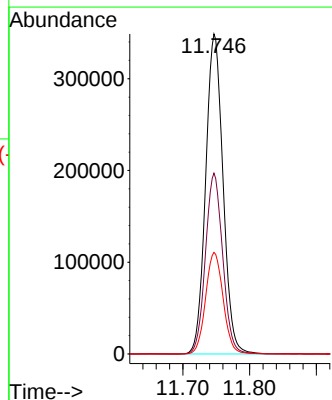
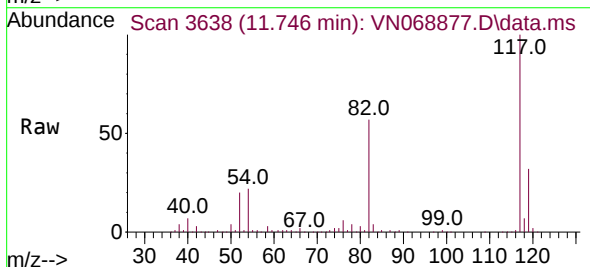
Instrument :
MSVOA_N
ClientSampleId :

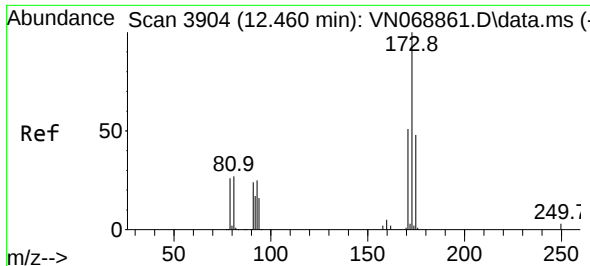
Tgt Ion: 95 Resp: 287006
Ion Ratio Lower Upper
95 100
174 76.1 0.0 144.8
176 73.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 117 Resp: 630741
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 31.7 26.0 39.0

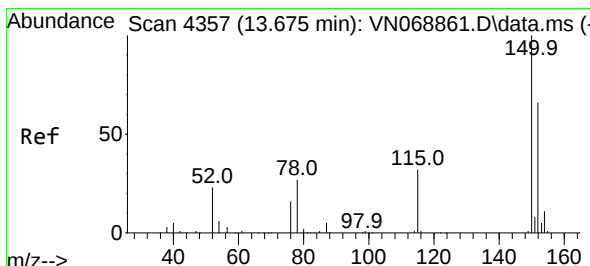
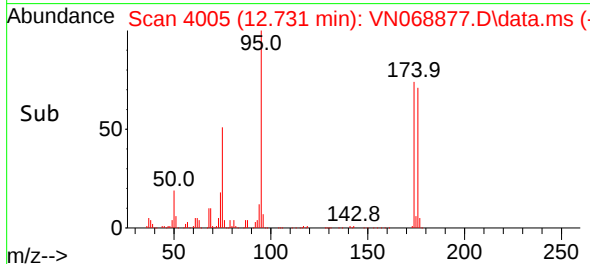
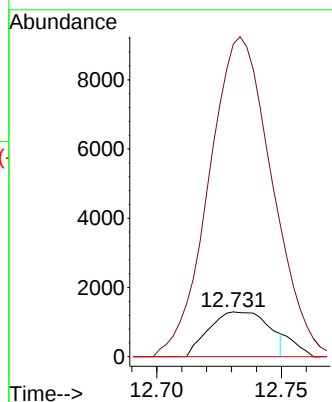
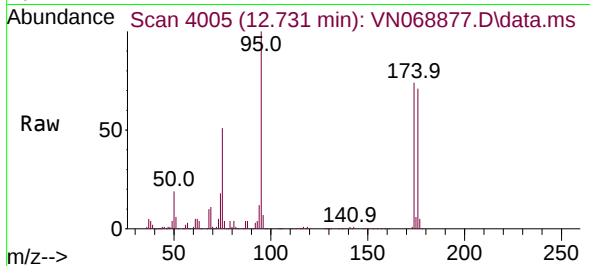




#71
Bromoform
Concen: 0.579 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

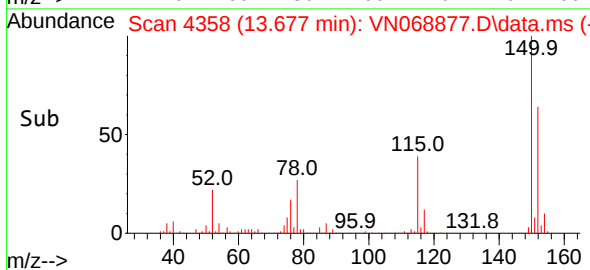
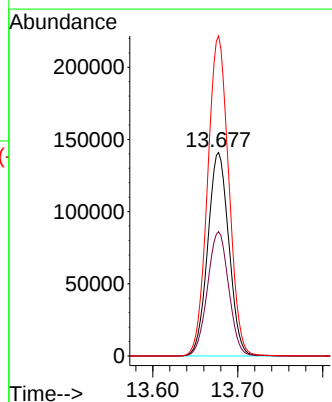
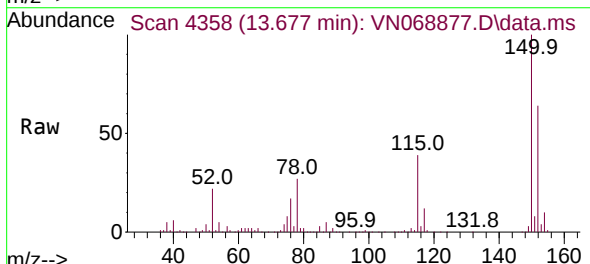
Instrument :
MSVOA_N
ClientSampleId :

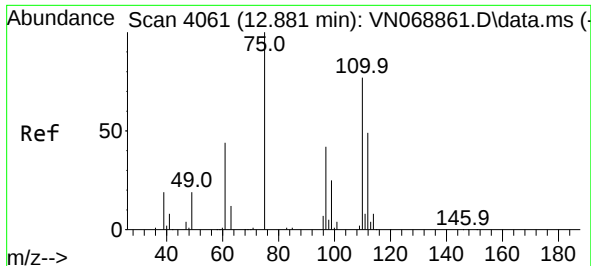
Tgt Ion:173 Resp: 2165
Ion Ratio Lower Upper
173 100
175 692.2 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion:152 Resp: 243080
Ion Ratio Lower Upper
152 100
115 61.5 31.4 94.3
150 157.7 0.0 351.0

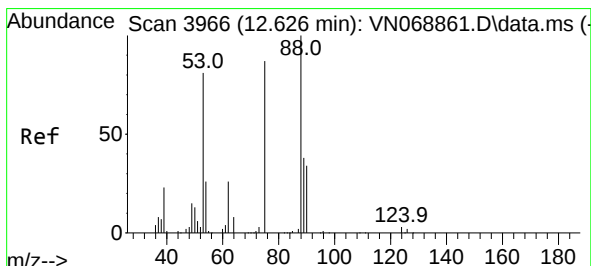
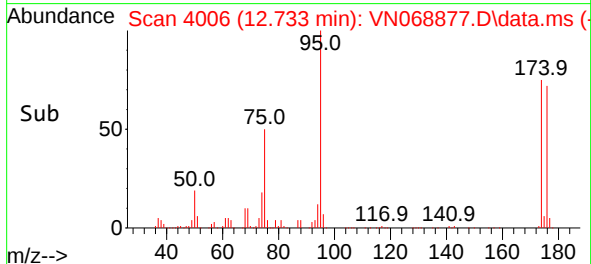
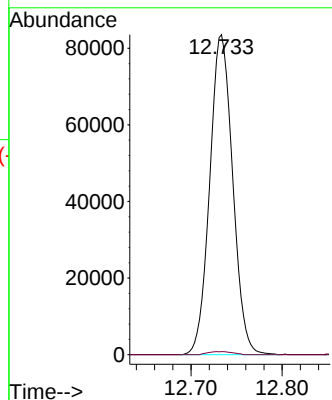
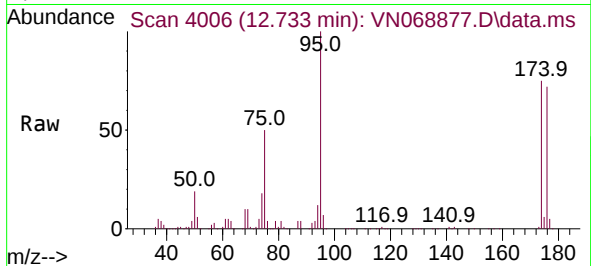




#76
1,2,3-Trichloropropane
Concen: 28.268 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

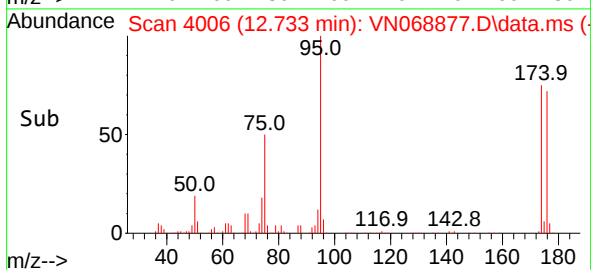
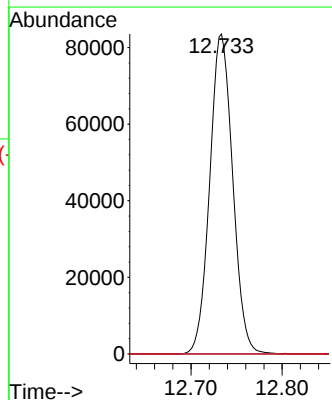
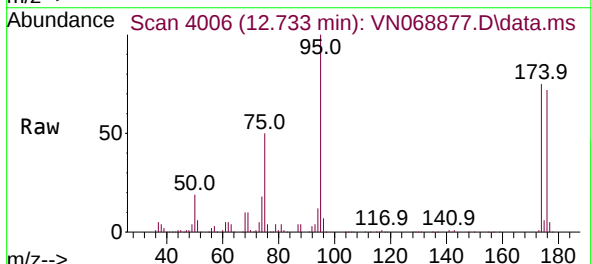
Instrument :
MSVOA_N
ClientSampleId :

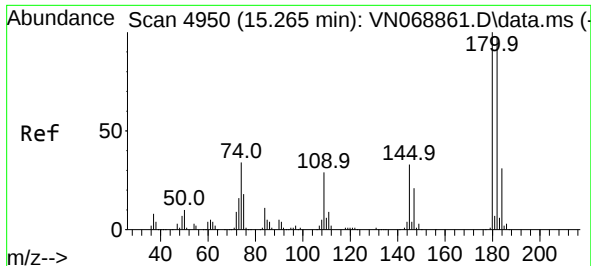
Tgt Ion: 75 Resp: 146203
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.629 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

Tgt Ion: 75 Resp: 146203
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

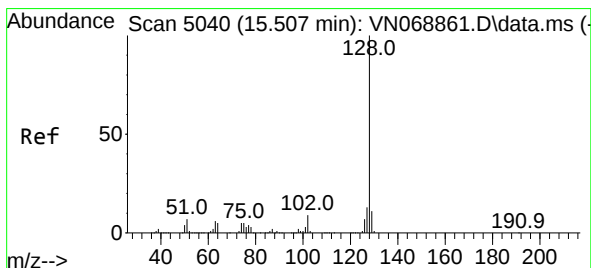
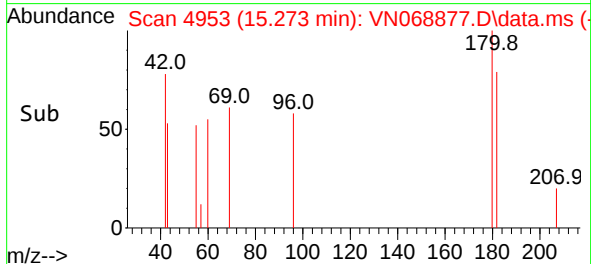
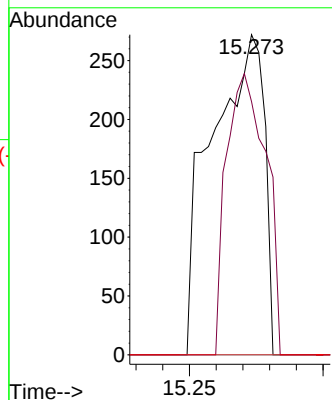
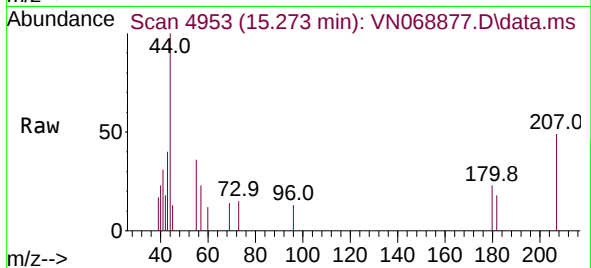




#93
1,2,4-Trichlorobenzene
Concen: 2.688 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

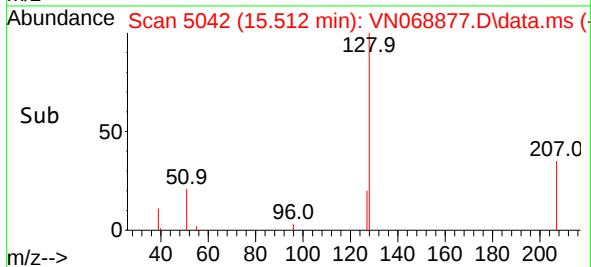
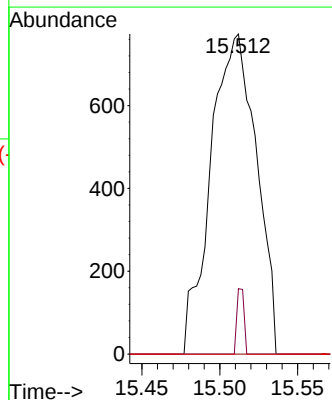
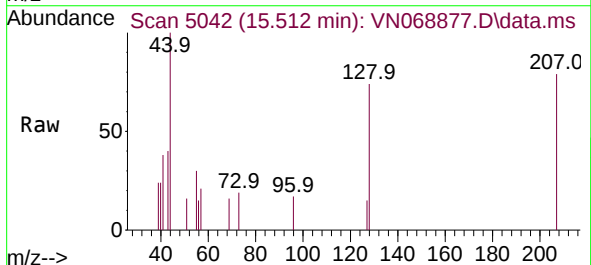
Instrument :
MSVOA_N
ClientSampled :

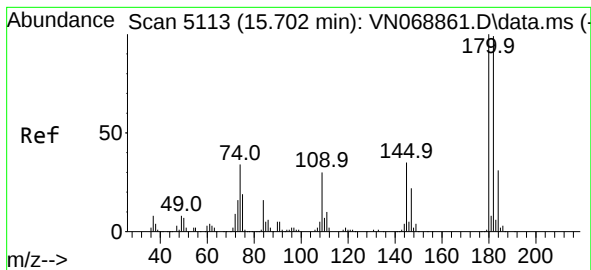
Tgt Ion:180 Resp: 371
Ion Ratio Lower Upper
180 100
182 66.3 47.9 143.7
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.941 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068877.D
Acq: 12 Oct 2021 21:56

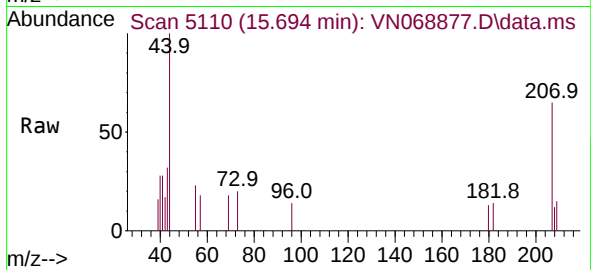
Tgt Ion:128 Resp: 1575
Ion Ratio Lower Upper
128 100
127 3.2 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.532 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.008 min
 Lab File: VN068877.D
 Acq: 12 Oct 2021 21:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 75
 Ion Ratio Lower Upper
 180 100
 182 473.3 48.1 144.3#
 145 0.0 17.4 52.2#

