

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068880.D
 Acq On : 12 Oct 2021 23:12
 Operator : JC/MD
 Sample : M4159-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:24:50 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

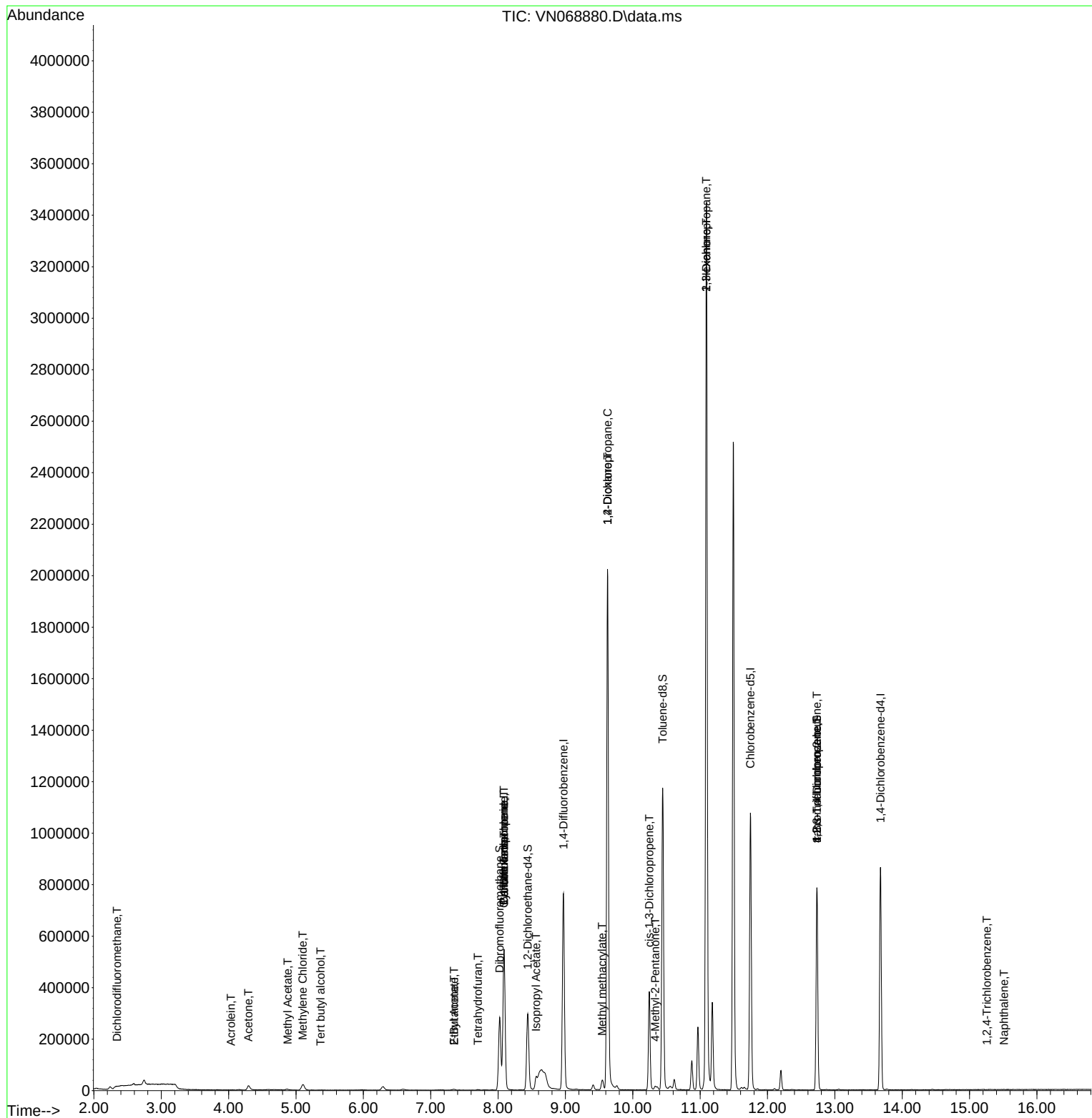
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	425332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	692039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	641429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	243157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	251582	44.862	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.720%
35) Dibromofluoromethane	8.024	113	209655	52.071	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.140%
50) Toluene-d8	10.443	98	843158	52.337	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.680%
62) 4-Bromofluorobenzene	12.733	95	283170	46.588	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.341	85	51	1.253	ug/l #	42
11) Tert butyl alcohol	5.366	59	334	0.326	ug/l #	9
13) Acrolein	4.036	56	161	0.355	ug/l #	9
16) Acetone	4.293	43	31051	14.837	ug/l	98
18) Methyl Acetate	4.875	43	7612	0.959	ug/l #	79
20) Methylene Chloride	5.101	84	18277	3.794	ug/l	97
25) 2-Butanone	7.345	43	5267	1.664	ug/l	99
29) Tetrahydrofuran	7.699	42	1863	0.908	ug/l #	79
31) Cyclohexane	8.086	56	9646	1.106	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	32277	5.460	ug/l #	50
37) Ethyl Acetate	7.345	43	5267	0.863	ug/l #	68
38) Carbon Tetrachloride	8.088	117	42667	6.572	ug/l #	16
43) Isopropyl Acetate	8.566	43	55161	5.121	ug/l #	86
45) 1,2-Dichloropropane	9.625	63	2572	0.551	ug/l #	43
48) Methyl methacrylate	9.545	41	10216	2.019	ug/l #	13
49) 1,4-Dioxane	9.625	88	189	37.481	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	9413	1.507	ug/l	95
54) cis-1,3-Dichloropropene	10.245	75	73622	9.455	ug/l #	57
57) 1,3-Dichloropropane	11.092	76	38508	5.115	ug/l #	42
59) 2-Hexanone	11.092	43	550767	122.965	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	143913	27.816	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	143913	66.549	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.257	180	49	2.613	ug/l #	80
95) Naphthalene	15.512	128	1068	3.899	ug/l #	69

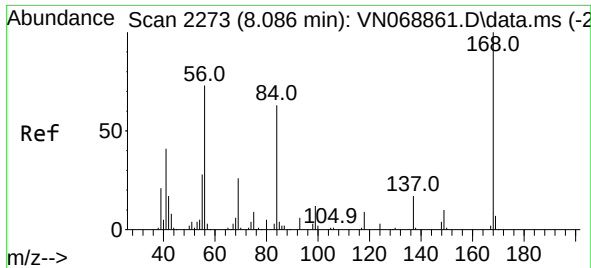
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
Data File : VN068880.D
Acq On : 12 Oct 2021 23:12
Operator : JC/MD
Sample : M4159-16
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 13 08:24:50 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

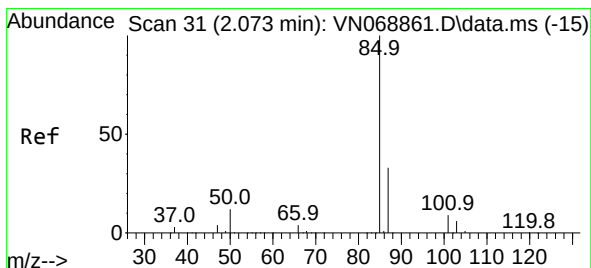
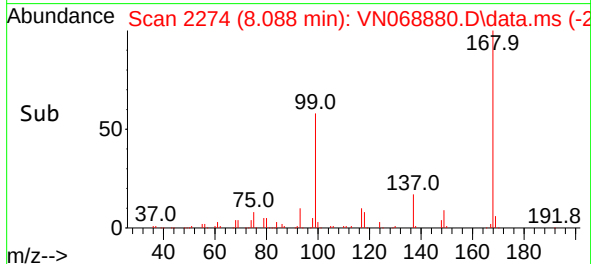
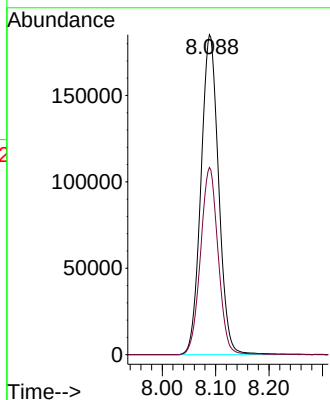
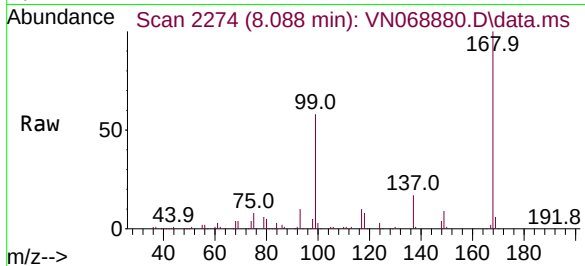




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

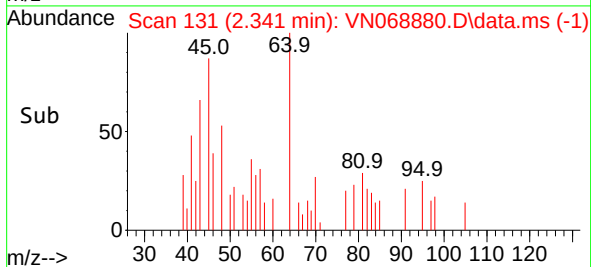
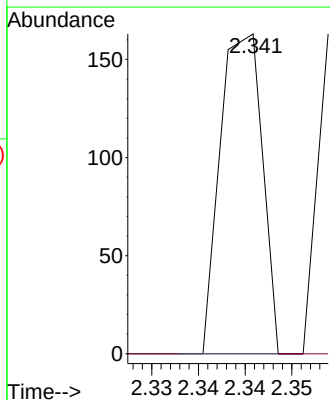
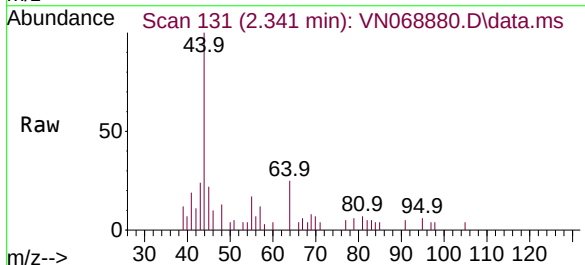
Instrument :
MSVOA_N
ClientSampled :

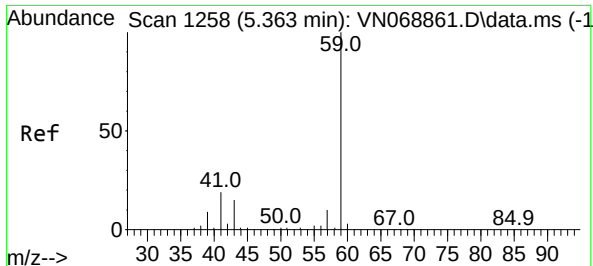
Tgt Ion:168 Resp: 425332
Ion Ratio Lower Upper
168 100
99 58.5 48.9 73.3



#2
Dichlorodifluoromethane
Concen: 1.253 ug/l
RT: 2.341 min Scan# 131
Delta R.T. 0.268 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#



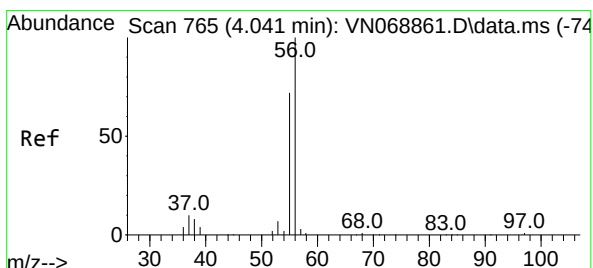
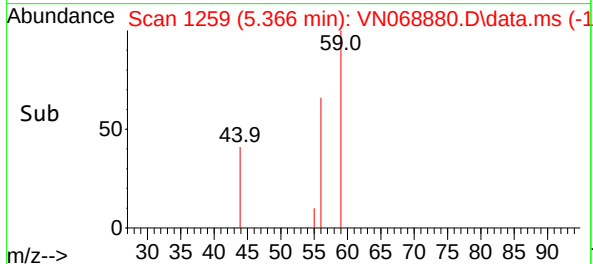
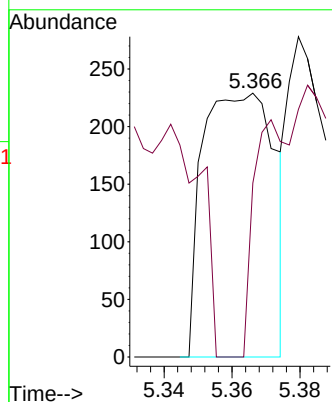
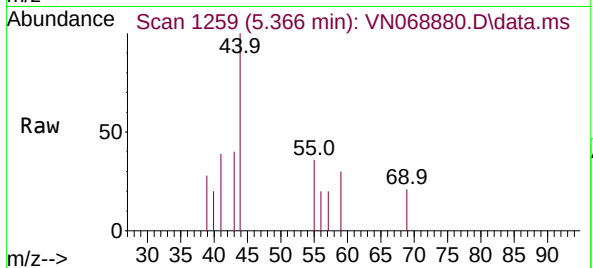


#11

Tert butyl alcohol
Concen: 0.326 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Instrument :
MSVOA_N
ClientSampled :

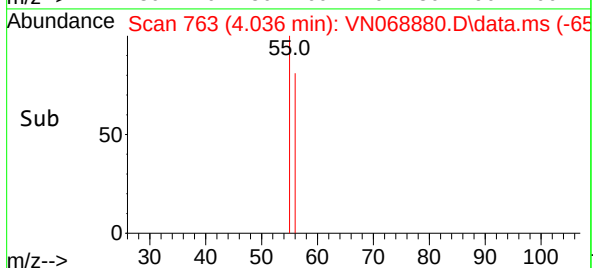
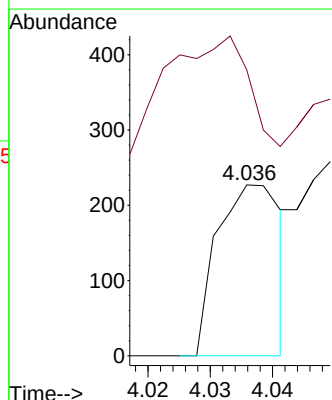
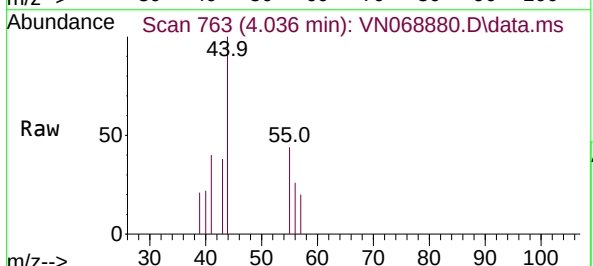
Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 44.3 8.3 12.5#

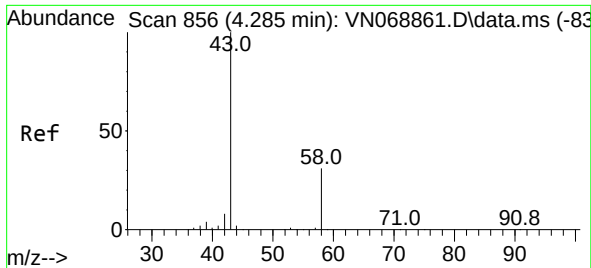


#13

Acrolein
Concen: 0.355 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 56 Resp: 161
Ion Ratio Lower Upper
56 100
55 149.1 58.1 87.1#

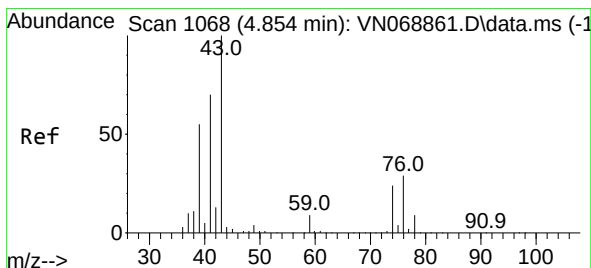
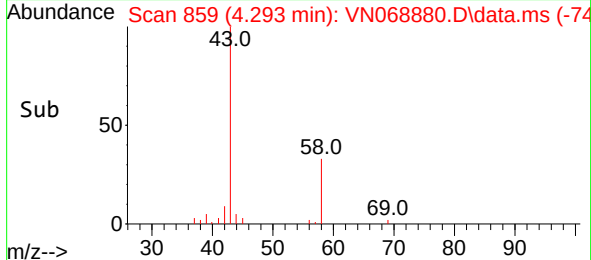
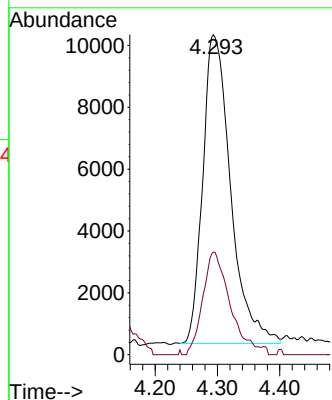
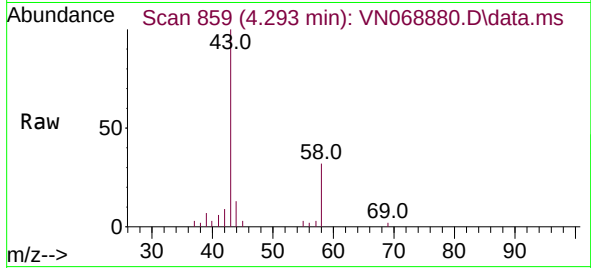




#16
Acetone
Concen: 14.837 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

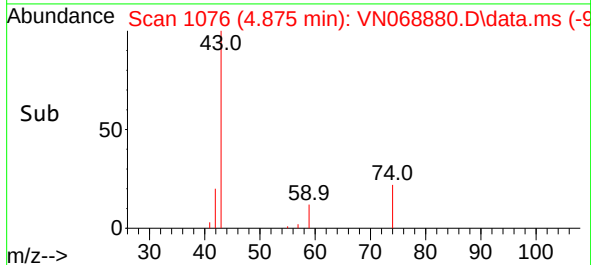
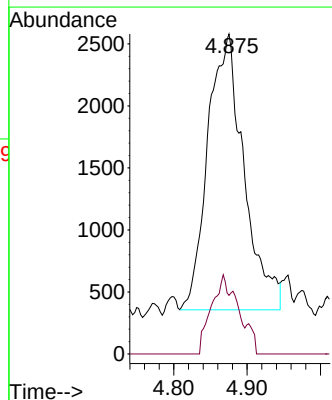
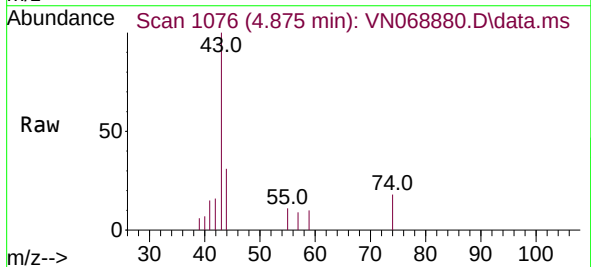
Instrument :
MSVOA_N
ClientSampled :

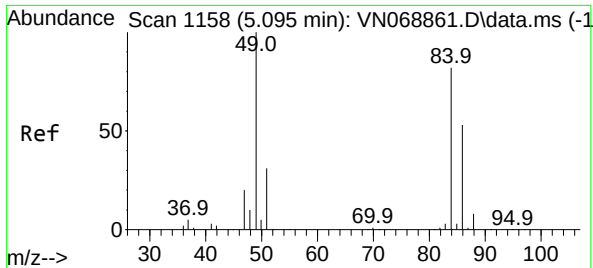
Tgt Ion: 43 Resp: 31051
Ion Ratio Lower Upper
43 100
58 31.7 24.5 36.7



#18
Methyl Acetate
Concen: 0.959 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.021 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

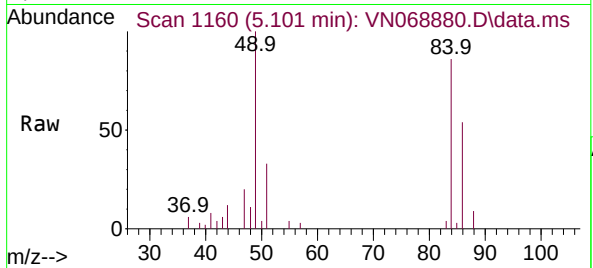
Tgt Ion: 43 Resp: 7612
Ion Ratio Lower Upper
43 100
74 13.2 18.9 28.3#



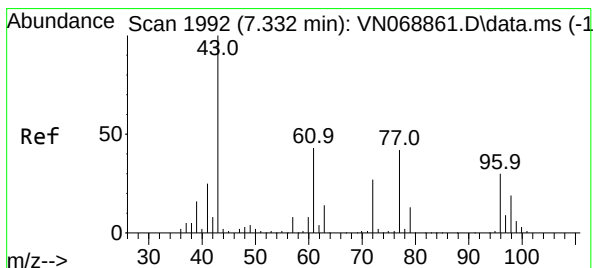
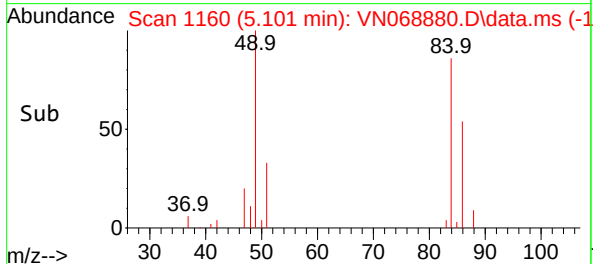
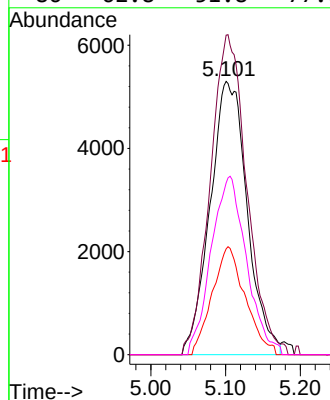


#20
Methylene Chloride
Concen: 3.794 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Instrument :
MSVOA_N
ClientSampled :

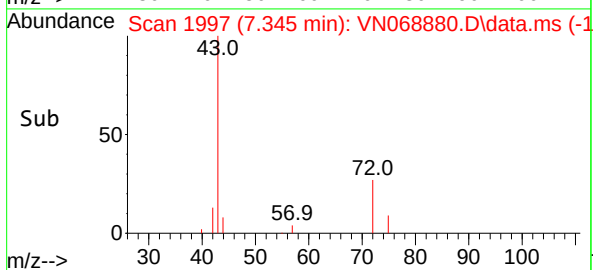
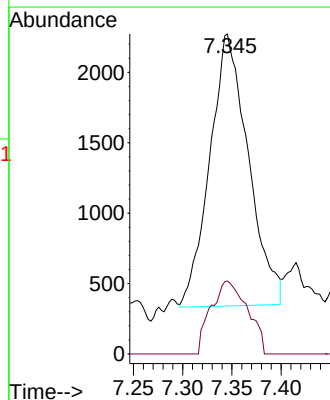
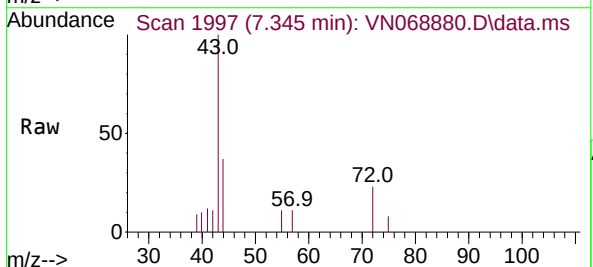


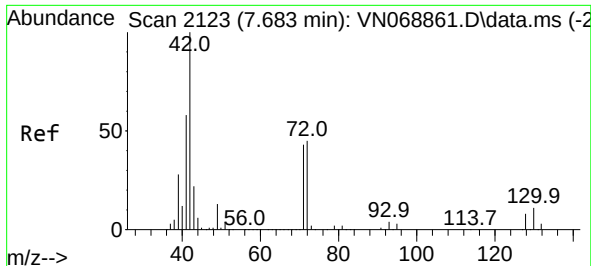
Tgt Ion:	84	Resp:	18277
Ion	Ratio	Lower	Upper
84	100		
49	116.9	97.6	146.4
51	38.7	30.3	45.5
86	62.8	51.8	77.6



#25
2-Butanone
Concen: 1.664 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion:	43	Resp:	5267
Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.908 ug/l

RT: 7.699 min Scan# 2129

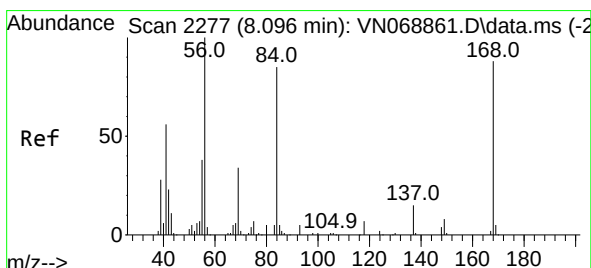
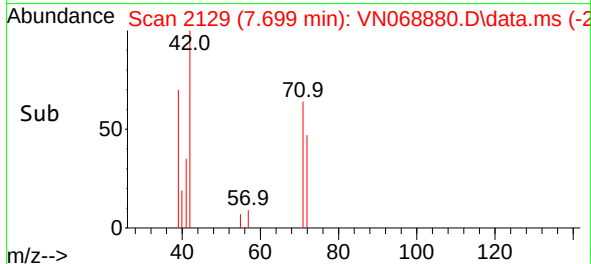
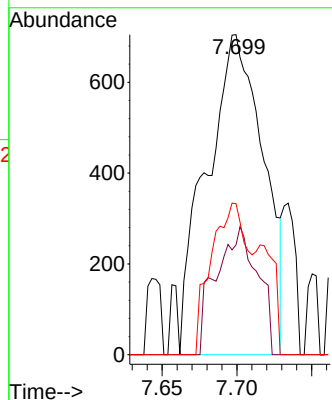
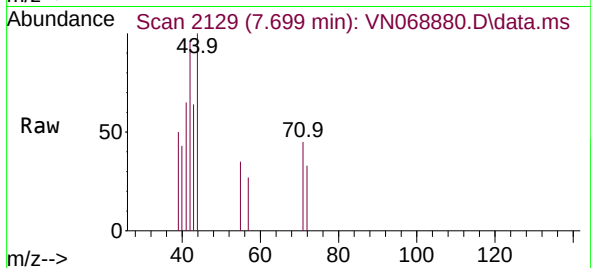
Delta R.T. 0.016 min

Lab File: VN068880.D

Acq: 12 Oct 2021 23:12

Tgt Ion:	42	Resp:	1863
Ion	Ratio	Lower	Upper
42	100		
72	29.3	35.4	53.2#
71	30.2	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.106 ug/l

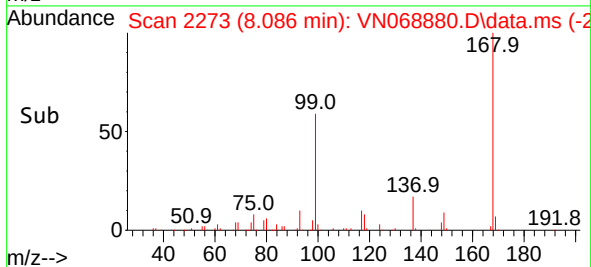
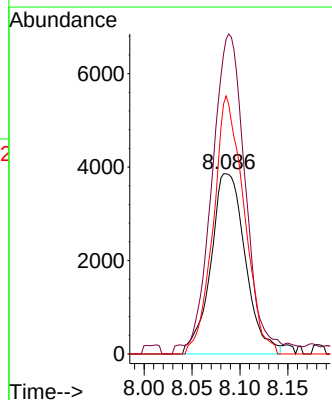
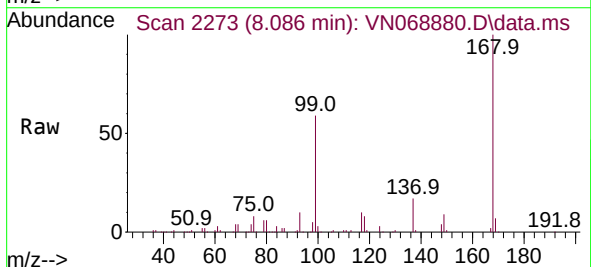
RT: 8.086 min Scan# 2273

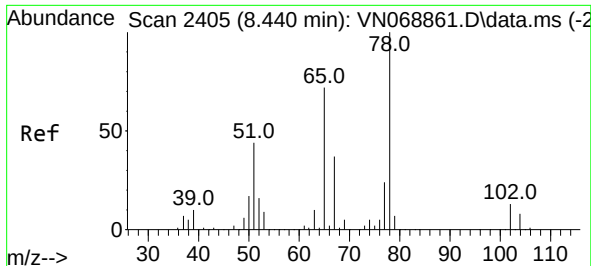
Delta R.T. -0.010 min

Lab File: VN068880.D

Acq: 12 Oct 2021 23:12

Tgt Ion:	56	Resp:	9646
Ion	Ratio	Lower	Upper
56	100		
69	169.6	26.9	40.3#
84	143.2	67.6	101.4#

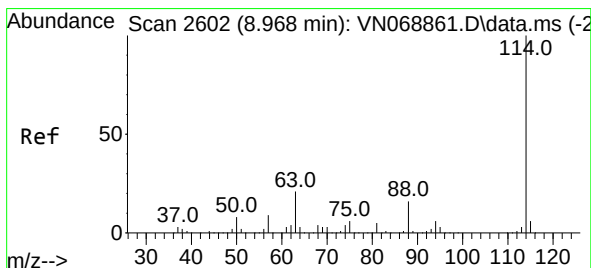
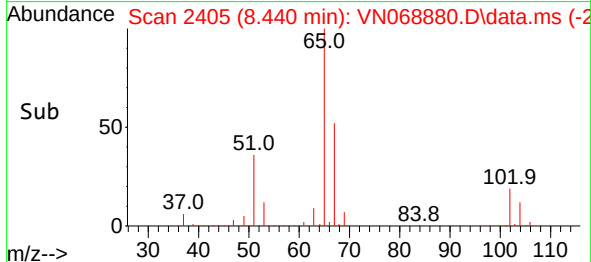
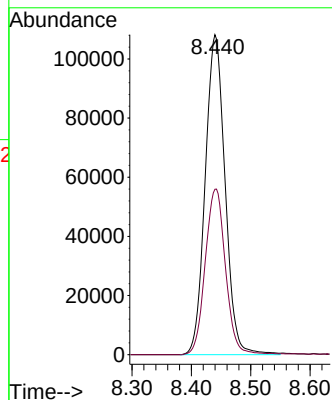
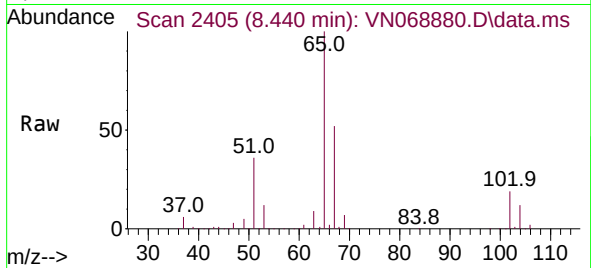




#33
 1,2-Dichloroethane-d4
 Concen: 44.862 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068880.D
 Acq: 12 Oct 2021 23:12

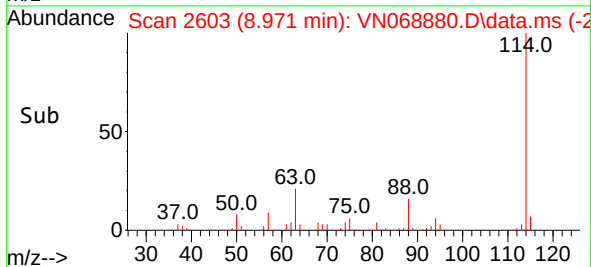
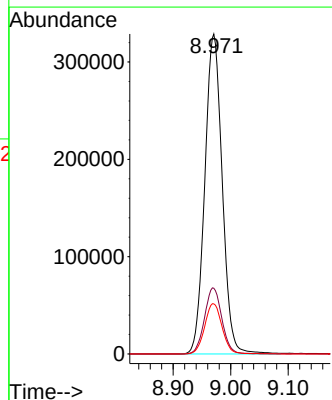
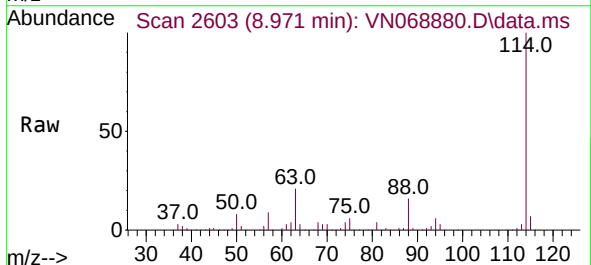
Instrument :
 MSVOA_N
 ClientSampled :

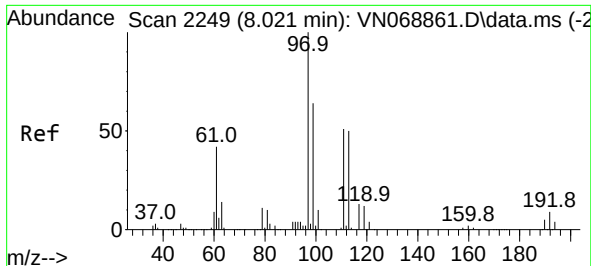
Tgt Ion: 65 Resp: 251582
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068880.D
 Acq: 12 Oct 2021 23:12

Tgt Ion: 114 Resp: 692039
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.071 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN068880.D

Acq: 12 Oct 2021 23:12

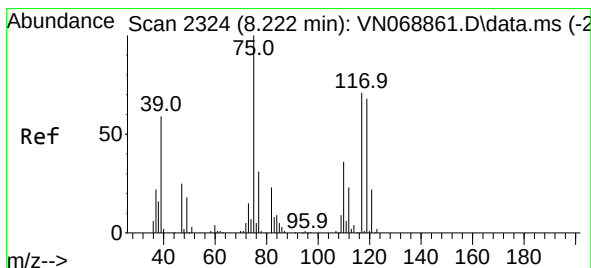
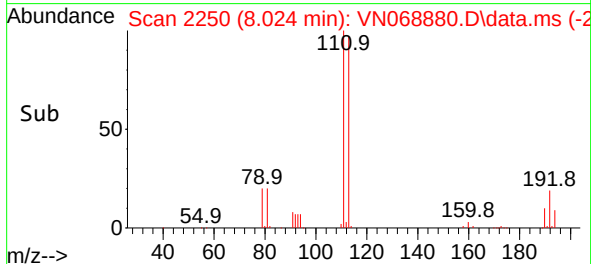
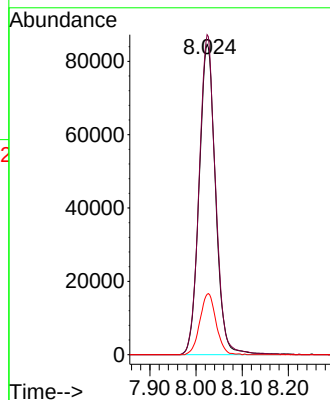
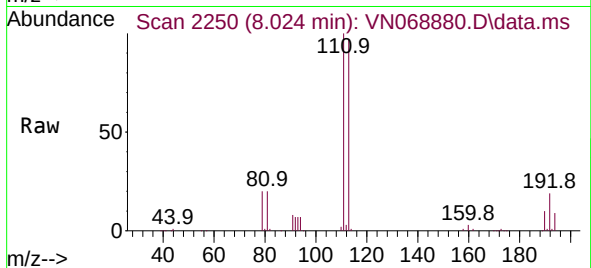
Tgt Ion:113 Resp: 209655

Ion Ratio Lower Upper

113 100

111 102.1 83.2 124.8

192 19.3 15.0 22.4



#36

1,1-Dichloropropene

Concen: 5.460 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN068880.D

Acq: 12 Oct 2021 23:12

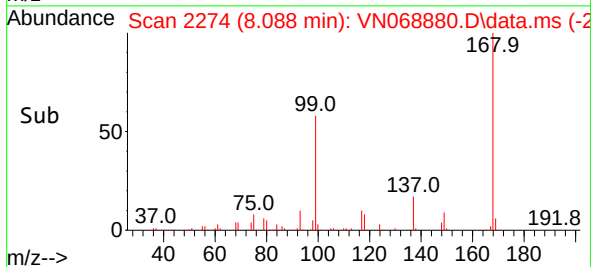
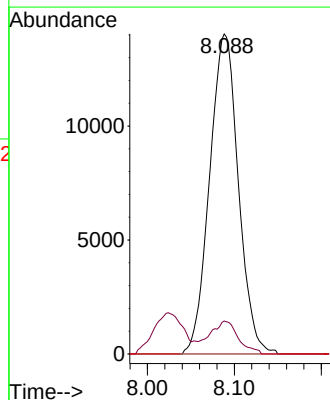
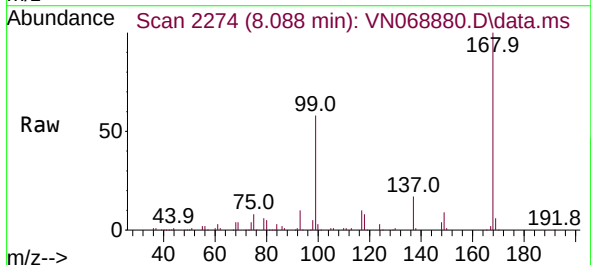
Tgt Ion: 75 Resp: 32277

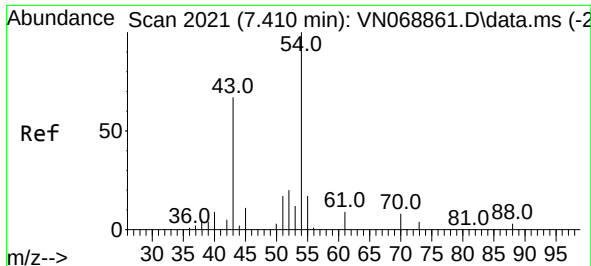
Ion Ratio Lower Upper

75 100

110 9.5 17.9 53.8#

77 0.0 24.7 37.1#

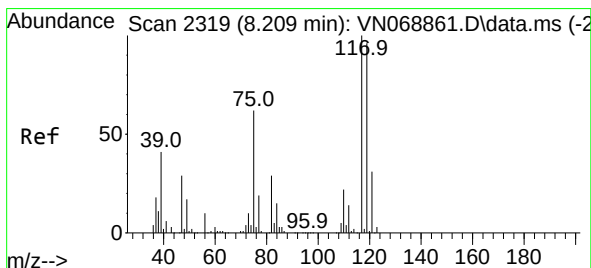
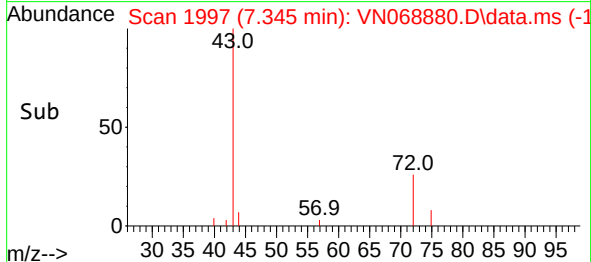
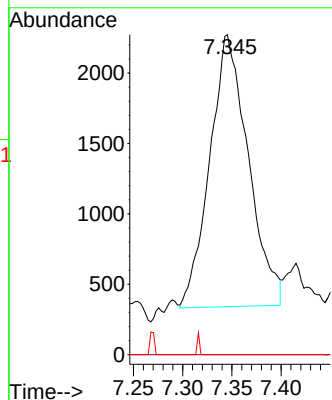
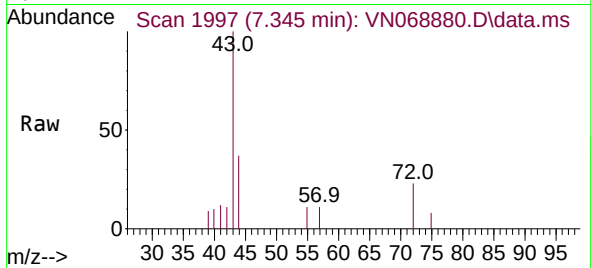




#37
Ethyl Acetate
Concen: 0.863 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

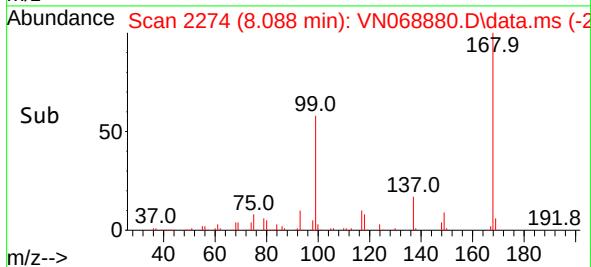
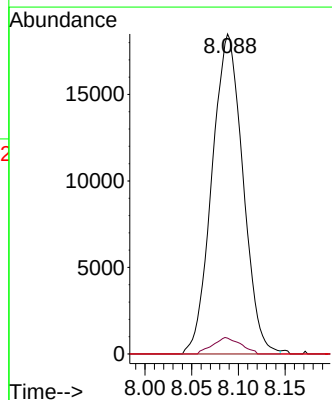
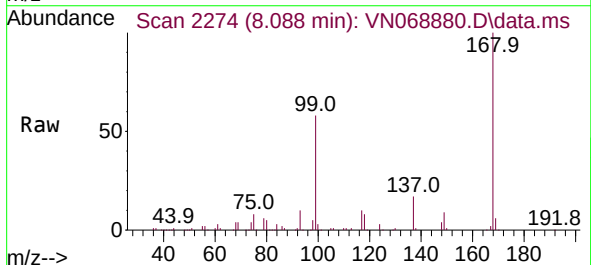
Instrument :
MSVOA_N
ClientSampleId :

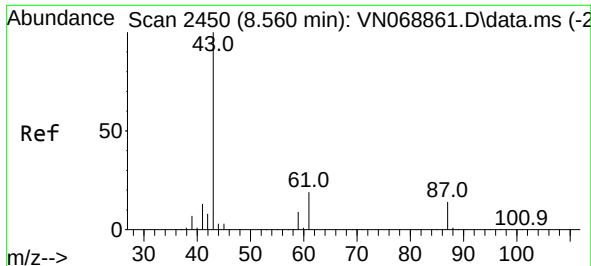
Tgt Ion: 43 Resp: 5267
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.572 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 117 Resp: 42667
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#

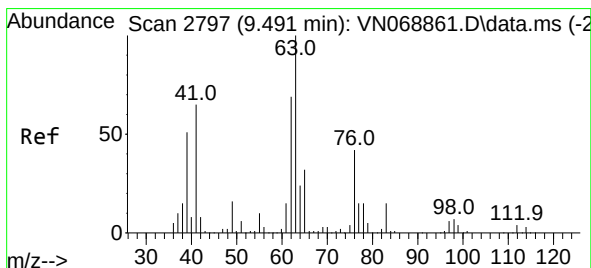
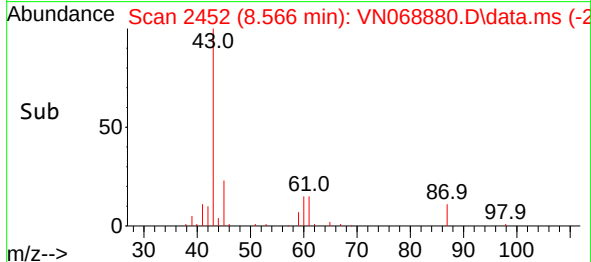
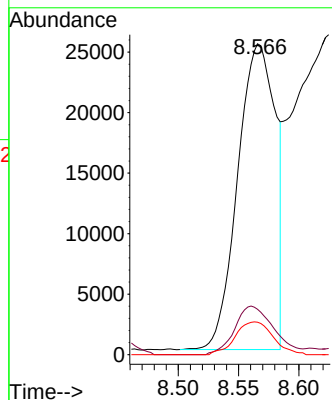
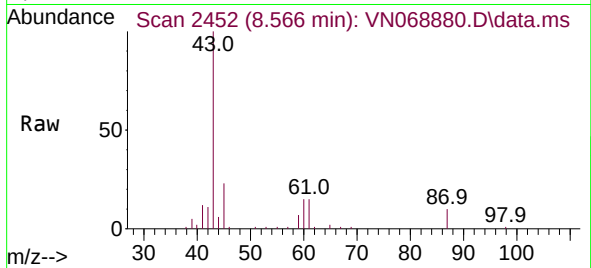




#43
Isopropyl Acetate
Concen: 5.121 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

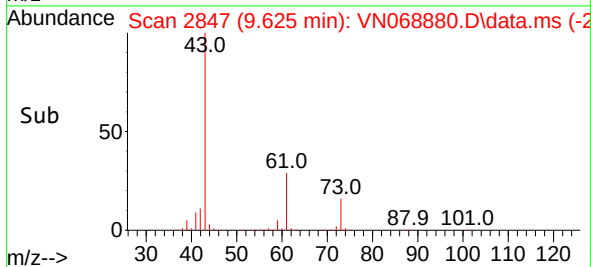
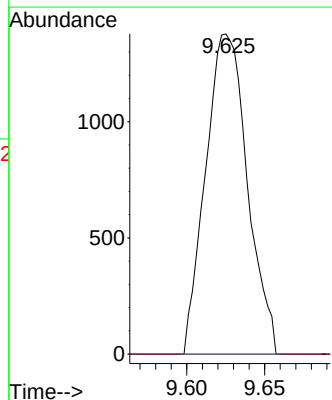
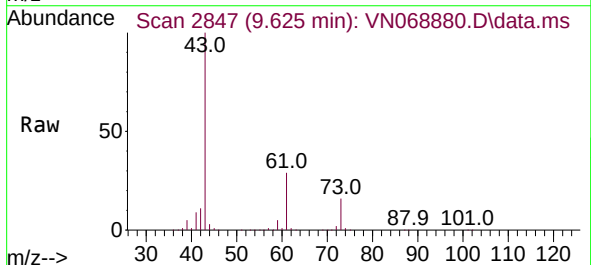
Instrument :
MSVOA_N
ClientSampled :

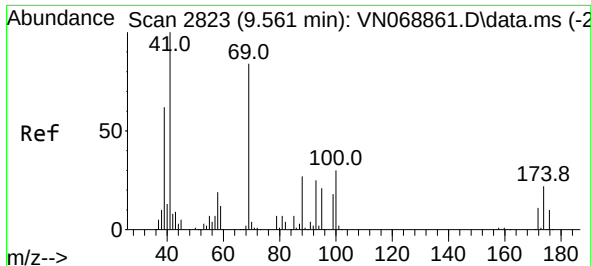
Tgt Ion: 43 Resp: 55161
Ion Ratio Lower Upper
43 100
61 16.4 20.4 30.6#
87 10.7 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.551 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 63 Resp: 2572
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

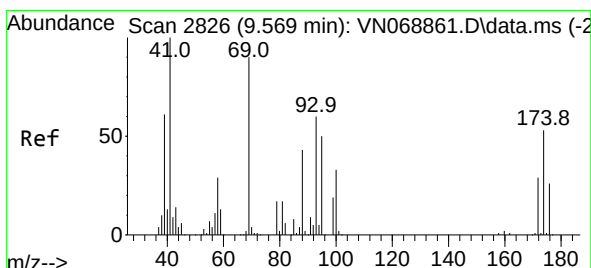
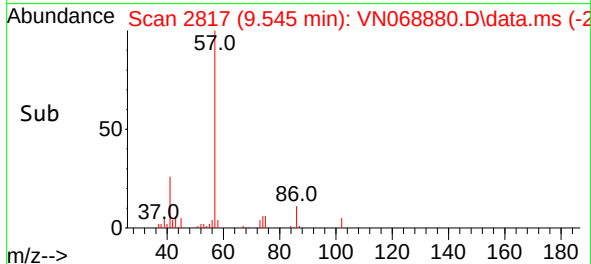
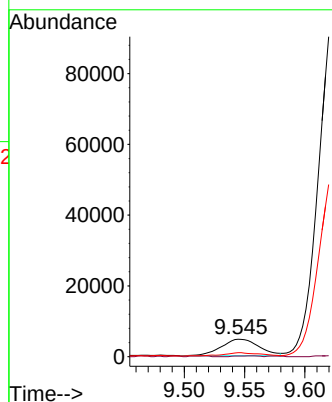
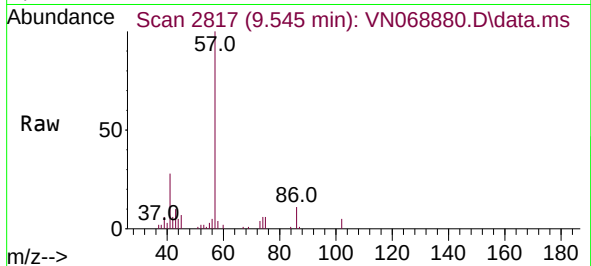




#48
Methyl methacrylate
Concen: 2.019 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

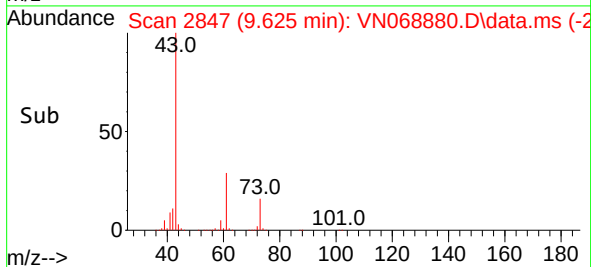
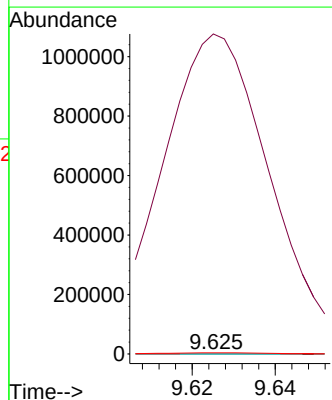
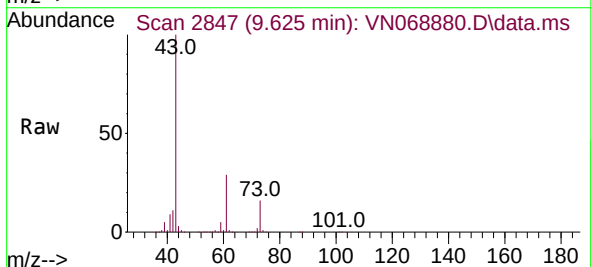
Instrument :
MSVOA_N
ClientSampled :

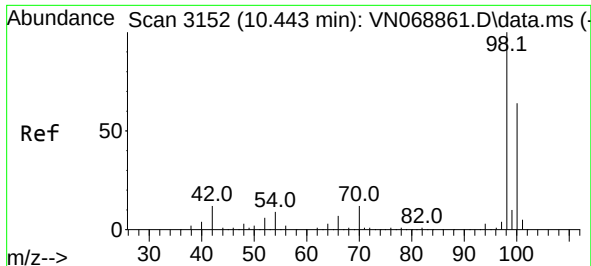
Tgt Ion: 41 Resp: 10216
Ion Ratio Lower Upper
41 100
69 1.2 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.481 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 88 Resp: 189
Ion Ratio Lower Upper
88 100
43 1090743.9 24.9 37.3#
58 3891.0 56.9 85.3#

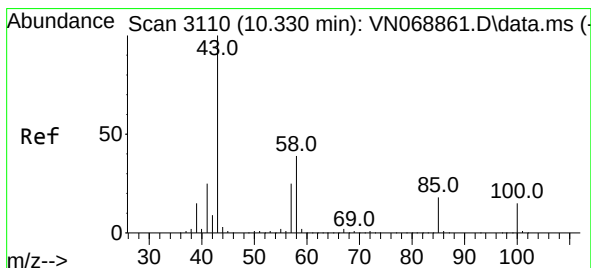
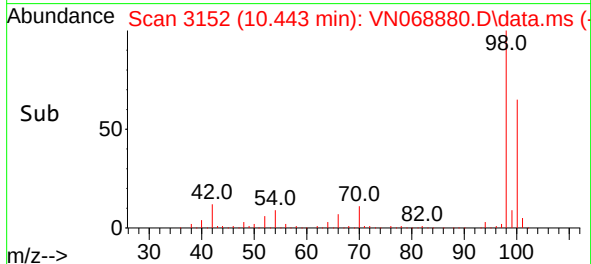
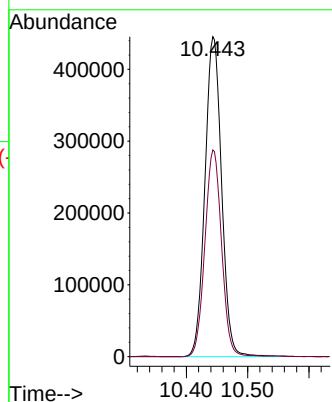
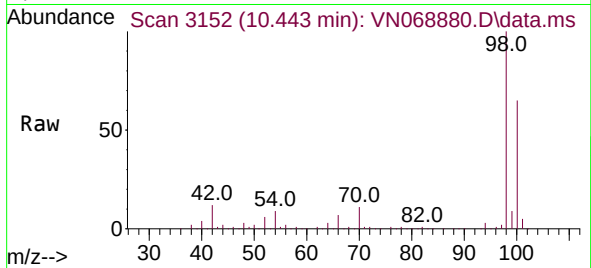




#50
Toluene-d8
Concen: 52.337 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

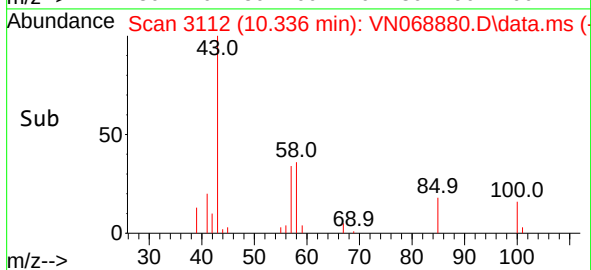
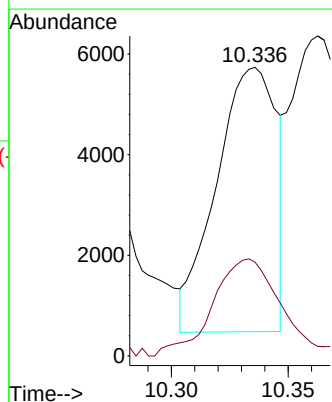
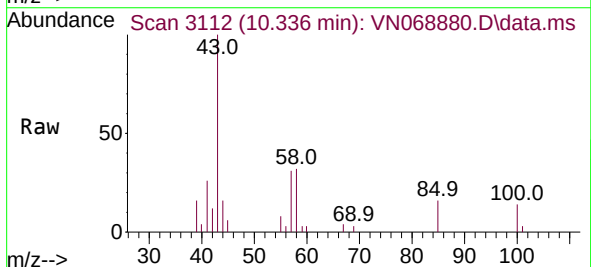
Instrument :
MSVOA_N
ClientSampled :

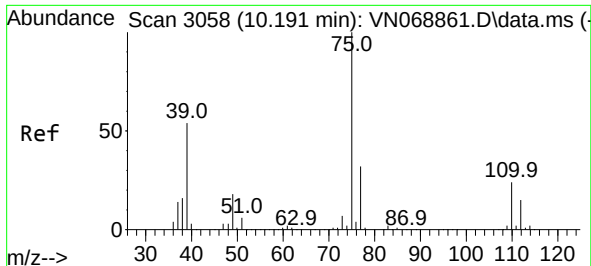
Tgt Ion: 98 Resp: 843158
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.507 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 43 Resp: 9413
Ion Ratio Lower Upper
43 100
58 41.5 31.0 46.4

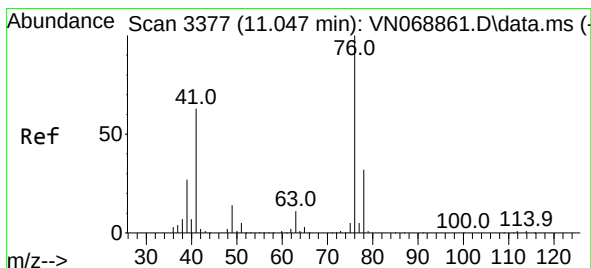
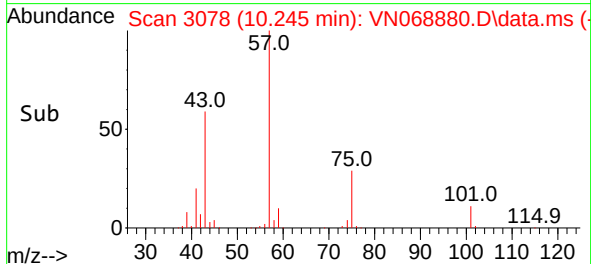
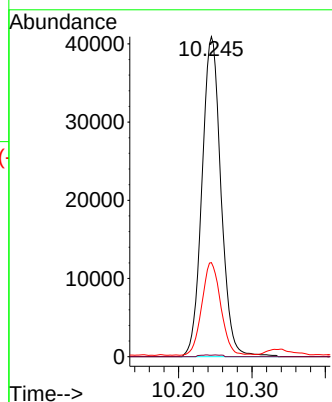
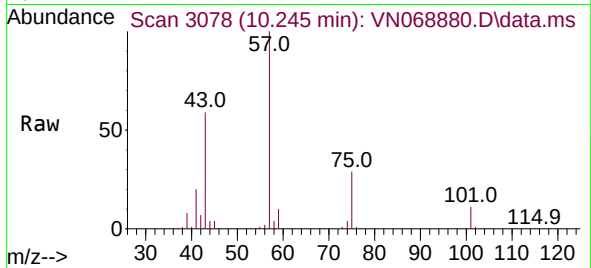




#54
 cis-1,3-Dichloropropene
 Concen: 9.455 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068880.D
 Acq: 12 Oct 2021 23:12

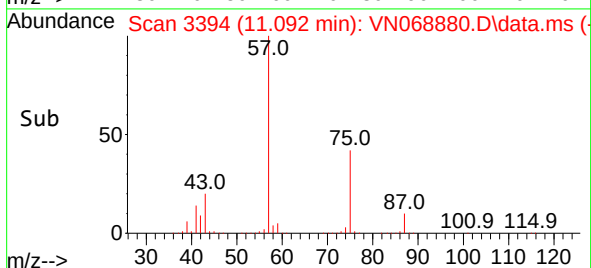
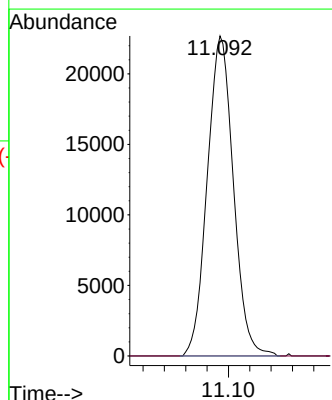
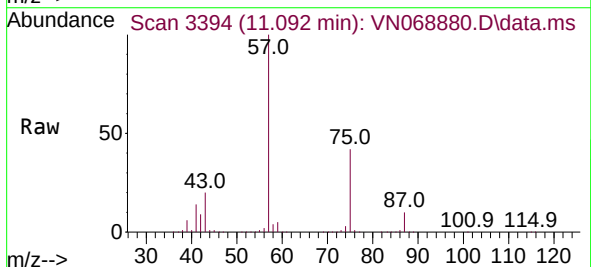
Instrument :
 MSVOA_N
 ClientSampled :

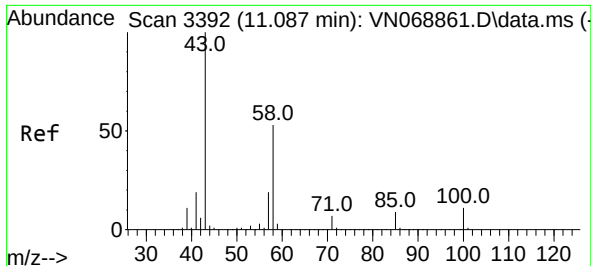
Tgt Ion: 75 Resp: 73622
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.6 38.4#
 39 28.9 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.115 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068880.D
 Acq: 12 Oct 2021 23:12

Tgt Ion: 76 Resp: 38508
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

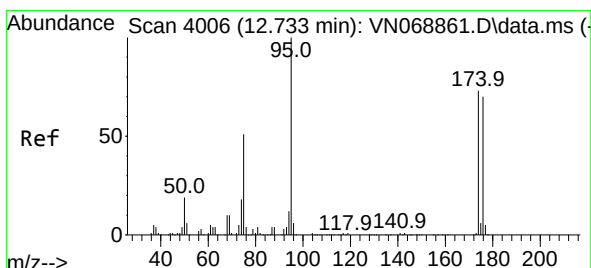
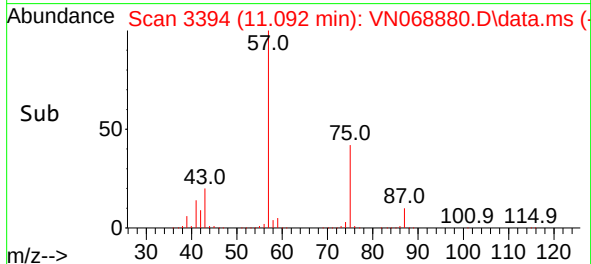
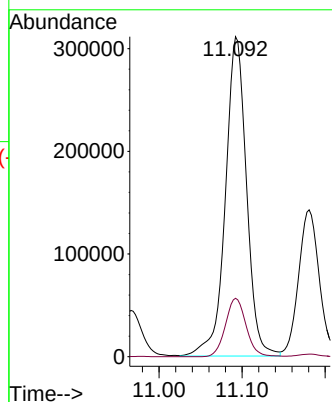
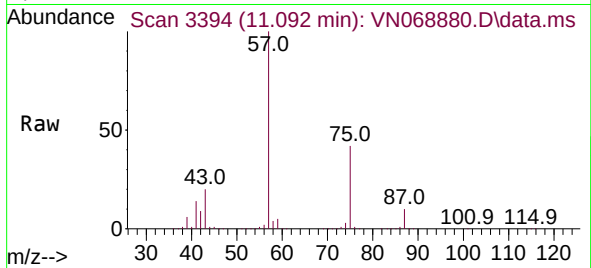




#59
2-Hexanone
Concen: 122.965 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

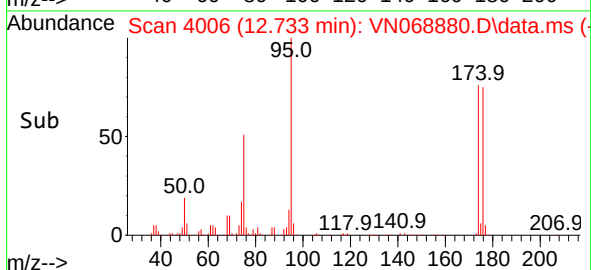
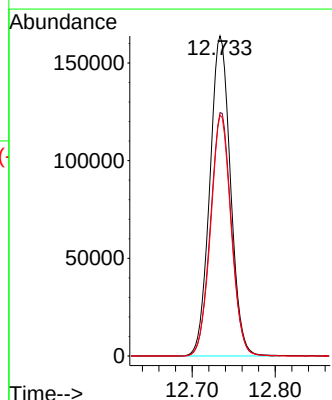
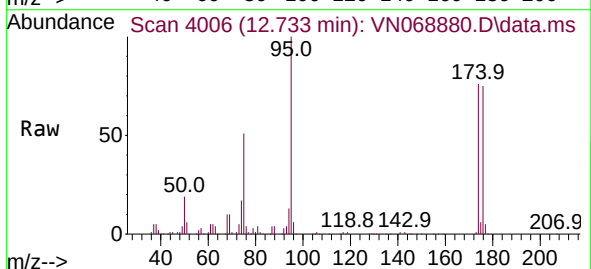
Instrument :
MSVOA_N
ClientSampled :

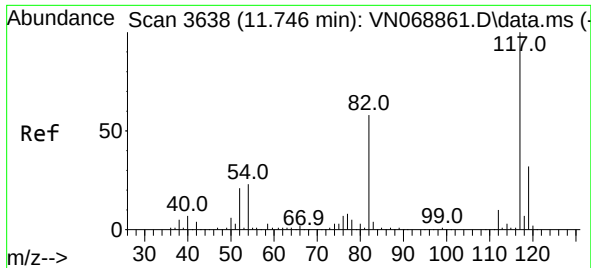
Tgt Ion: 43 Resp: 550767
Ion Ratio Lower Upper
43 100
58 17.9 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.588 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 95 Resp: 283170
Ion Ratio Lower Upper
95 100
174 76.6 0.0 144.8
176 74.6 0.0 140.0

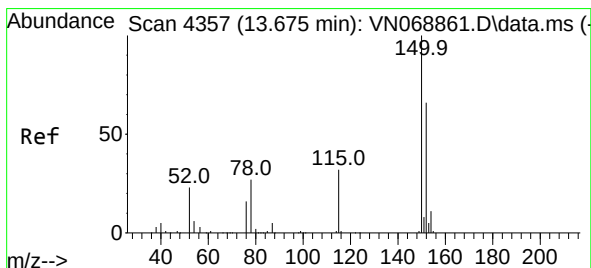
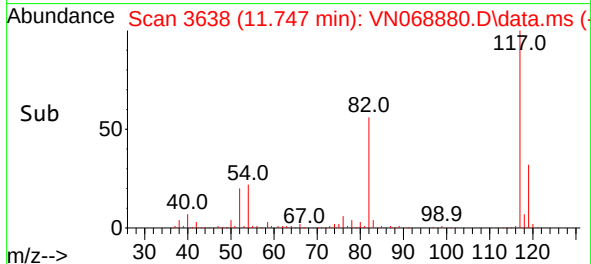
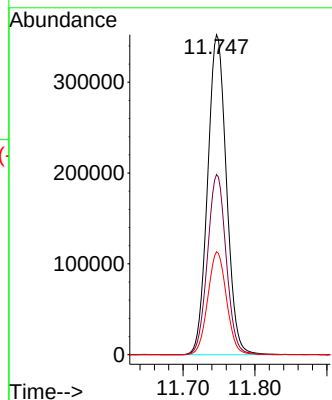
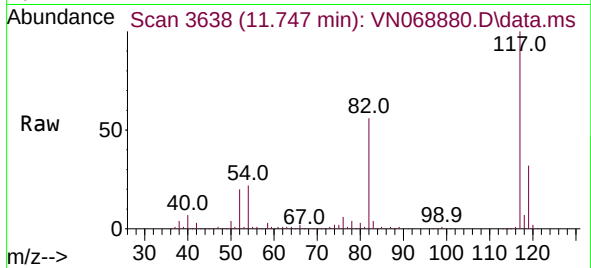




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

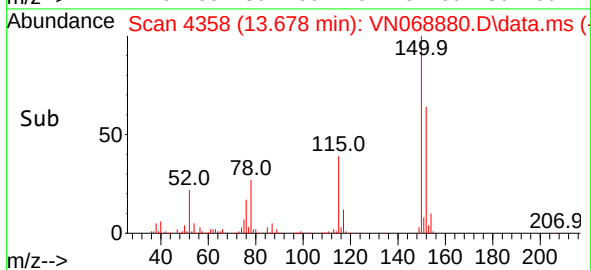
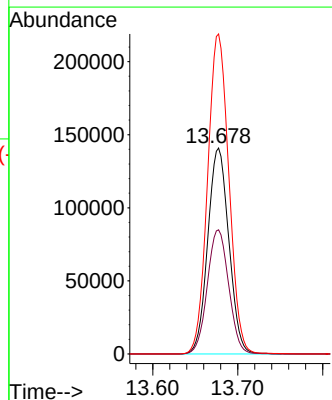
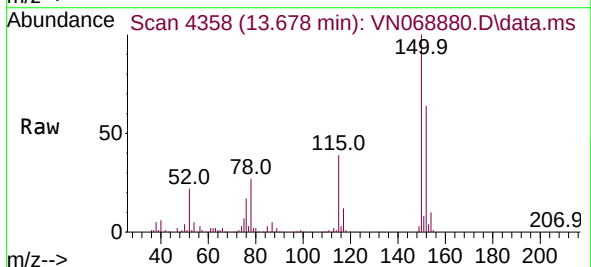
Instrument :
MSVOA_N
ClientSampleId :

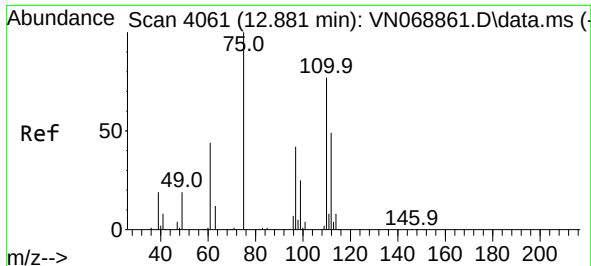
Tgt Ion:117 Resp: 641429
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion:152 Resp: 243157
Ion Ratio Lower Upper
152 100
115 61.0 31.4 94.3
150 156.5 0.0 351.0

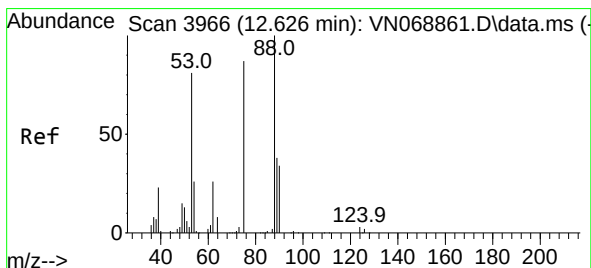
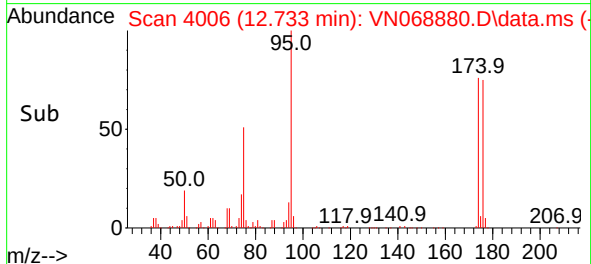
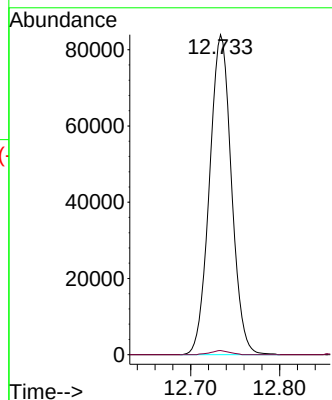
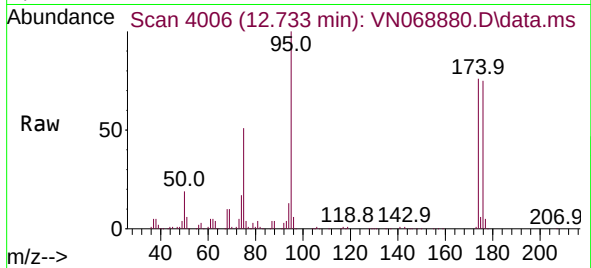




#76
1,2,3-Trichloropropane
Concen: 27.816 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

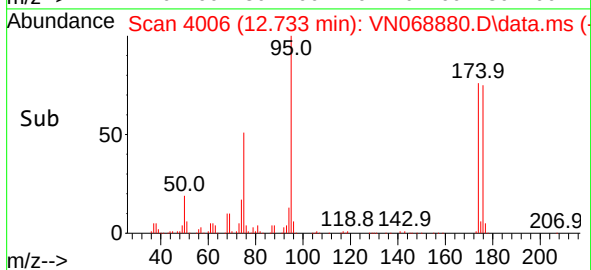
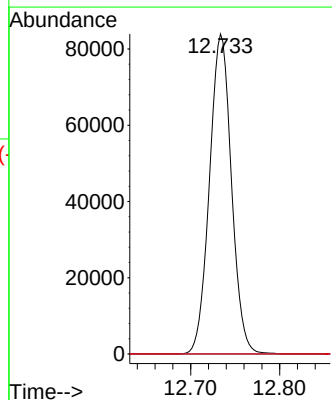
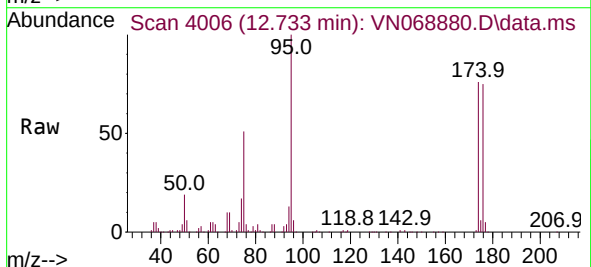
Instrument :
MSVOA_N
ClientSampled :

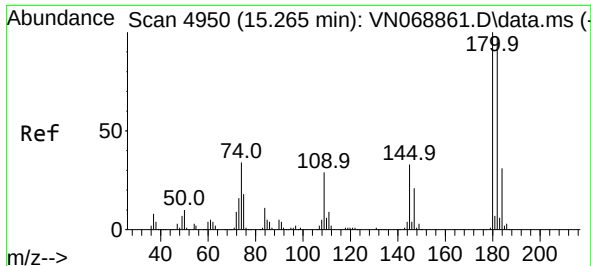
Tgt Ion: 75 Resp: 143913
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.549 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion: 75 Resp: 143913
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

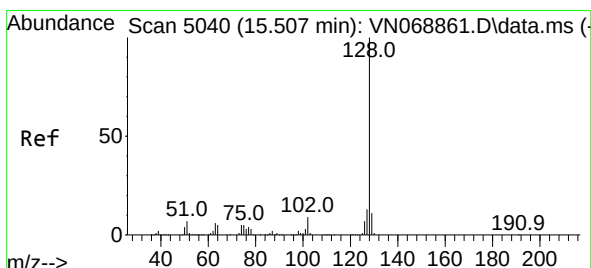
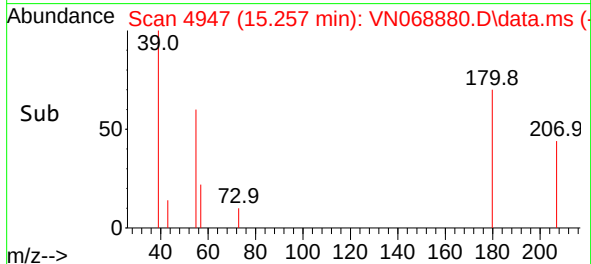
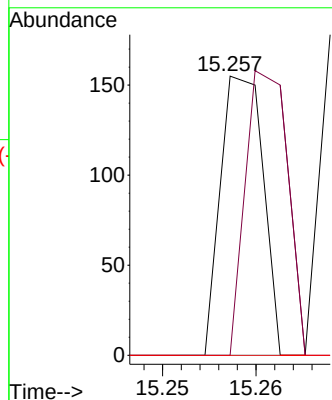
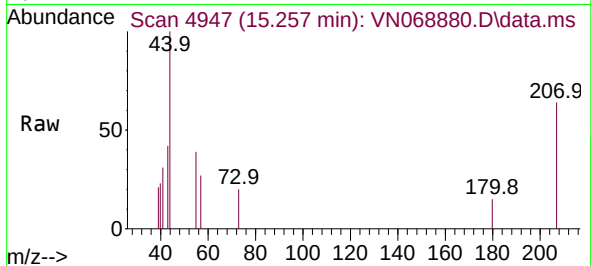




#93
1,2,4-Trichlorobenzene
Concen: 2.613 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:180 Resp: 49
Ion Ratio Lower Upper
180 100
182 102.0 47.9 143.7
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.899 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068880.D
Acq: 12 Oct 2021 23:12

Tgt Ion:128 Resp: 1068
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

