

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090121\
 Data File : VN068380.D
 Acq On : 1 Sep 2021 12:03
 Operator : JC/MD
 Sample : VN0901WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 12:11:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 31 02:20:58 2021
 Response via : Initial Calibration

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

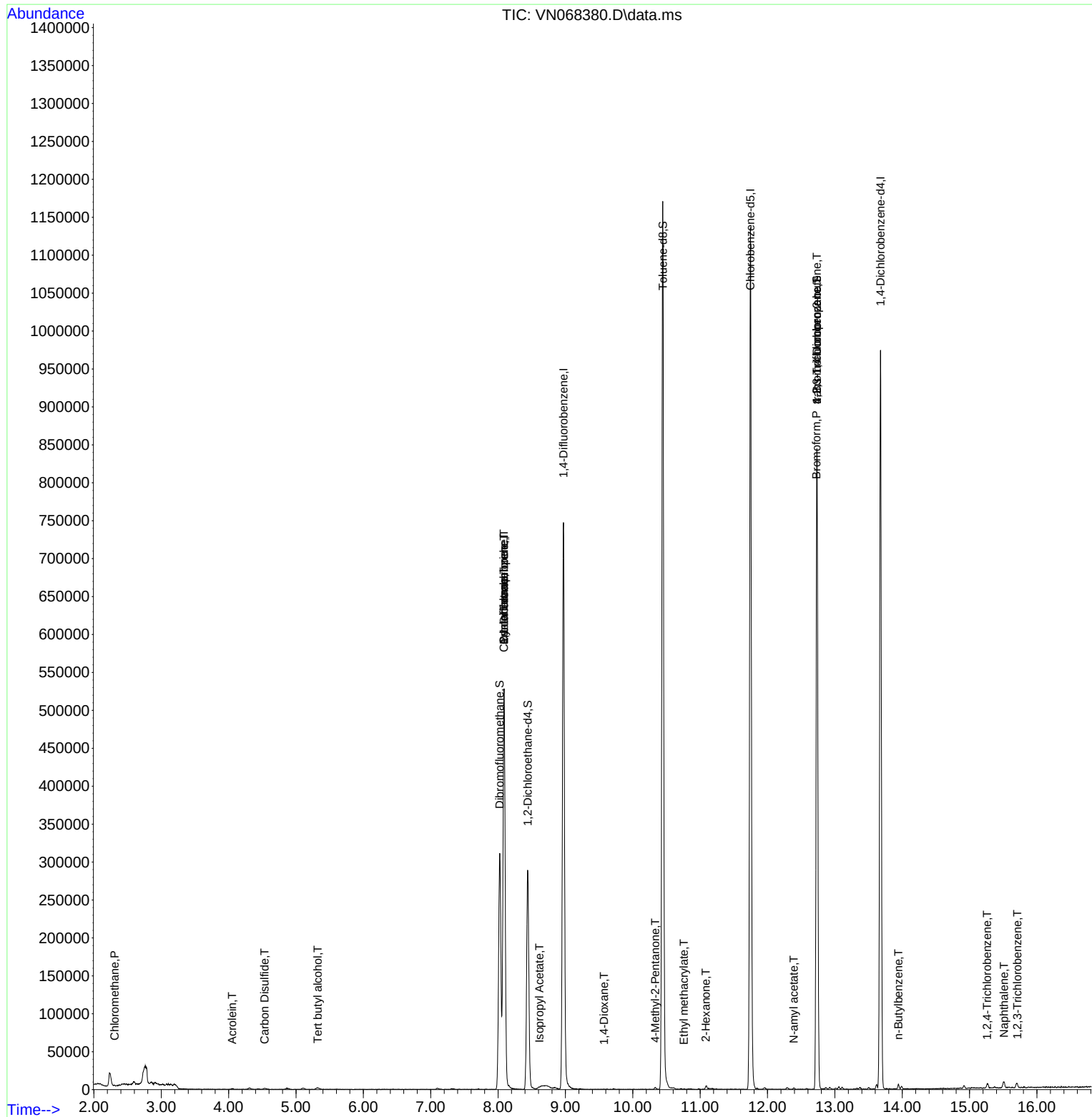
Internal Standards						
1) Pentafluorobenzene	8.088	168	439255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	725048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	725253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	289682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	244596	54.55	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.10%			
35) Dibromofluoromethane	8.024	113	228080	49.62	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.24%			
50) Toluene-d8	10.446	98	868842	50.49	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.98%			
62) 4-Bromofluorobenzene	12.734	95	286336	50.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.40%			
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1390	0.36	ug/l #	73
5) Bromomethane	2.848	94	1076	Below Cal		83
11) Tert butyl alcohol	5.323	59	1755	2.99	ug/l #	73
13) Acrolein	4.052	56	791	2.08	ug/l	91
16) Acetone	4.312	43	1846	Below Cal	#	84
17) Carbon Disulfide	4.532	76	2920	0.32	ug/l #	75
18) Methyl Acetate	4.862	43	1591	Below Cal	#	72
20) Methylene Chloride	5.111	84	1185	Below Cal	#	72
31) Cyclohexane	8.088	56	7118	1.20	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	27829	4.83	ug/l #	47
38) Carbon Tetrachloride	8.086	117	42007	6.10	ug/l #	17
43) Isopropyl Acetate	8.614	43	2287	0.29	ug/l #	51
49) 1,4-Dioxane	9.574	88	80	1.00	ug/l #	32
51) 4-Methyl-2-Pentanone	10.333	43	2018	0.42	ug/l #	78
56) Ethyl methacrylate	10.760	69	146	1.68	ug/l #	85
59) 2-Hexanone	11.084	43	3479	1.03	ug/l	78
71) Bromoform	12.728	173	639	2.05	ug/l #	1
74) N-amyl acetate	12.390	43	1150	0.22	ug/l #	74
76) 1,2,3-Trichloropropane	12.734	75	143847	29.22	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	143847	96.54	ug/l #	14
89) n-Butylbenzene	13.943	91	4087	0.32	ug/l	96
93) 1,2,4-Trichlorobenzene	15.260	180	2375	2.65	ug/l	85
95) Naphthalene	15.509	128	8510	3.02	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.708	180	2804	2.54	ug/l	99

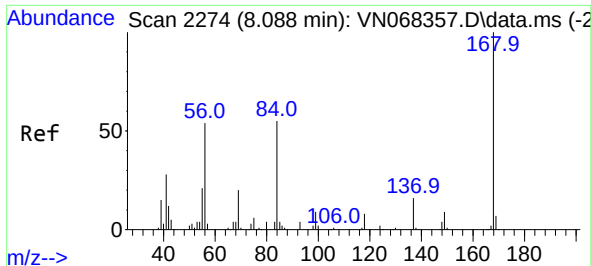
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090121\
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Sep 02 12:11:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 31 02:20:58 2021
Response via : Initial Calibration

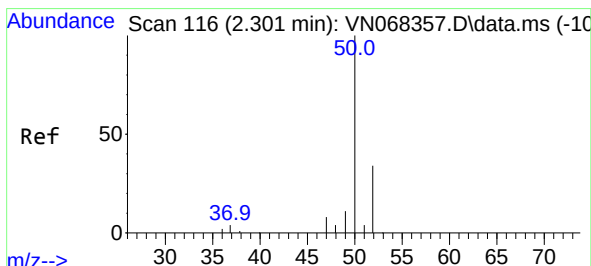
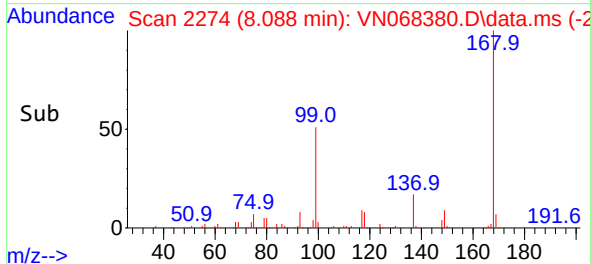
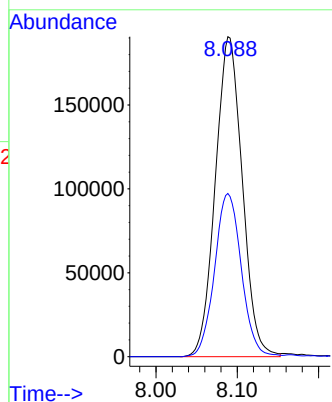
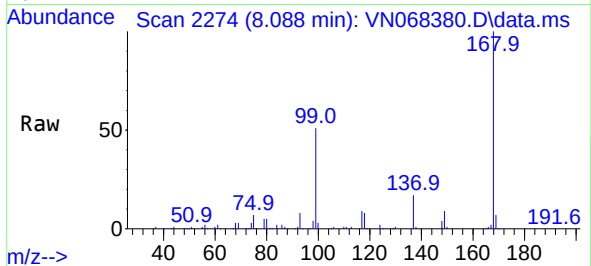




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

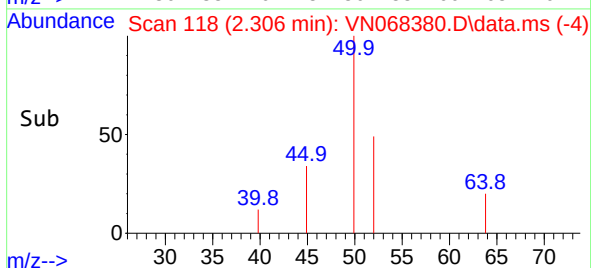
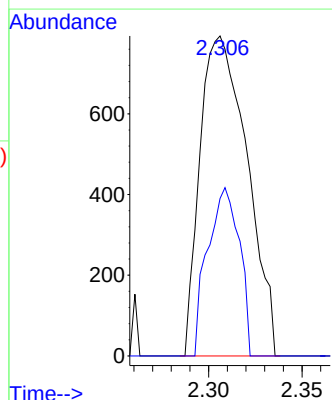
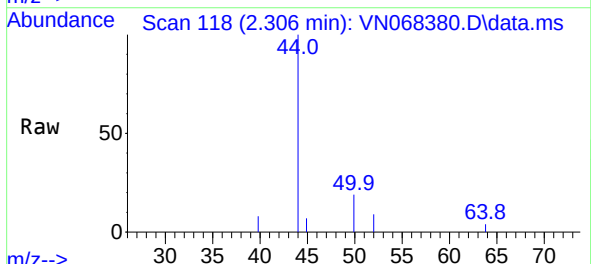
Instrument :
MSVOA_N
ClientSampled :

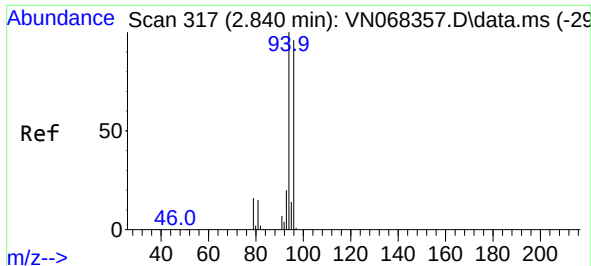
Tgt Ion:168 Resp: 439255
Ion Ratio Lower Upper
168 100
99 51.0 38.6 57.8



#3
Chloromethane
Concen: 0.36 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 50 Resp: 1390
Ion Ratio Lower Upper
50 100
52 49.2 27.1 40.7#

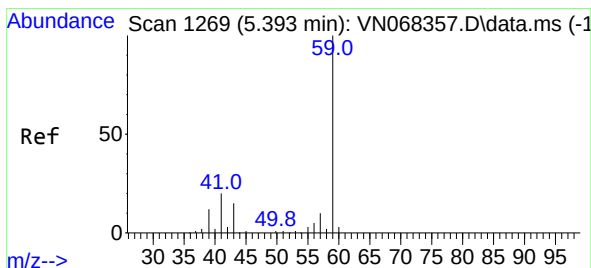
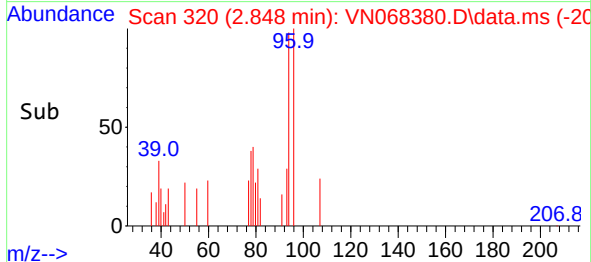
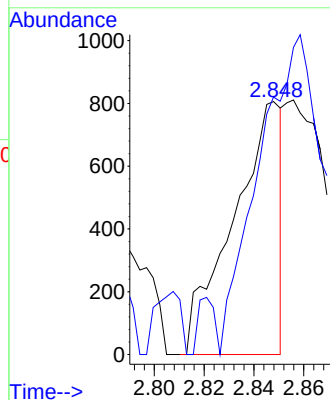
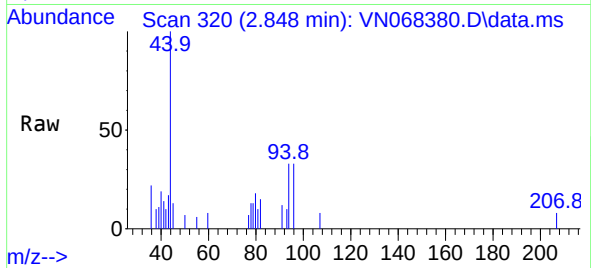




#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.008 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

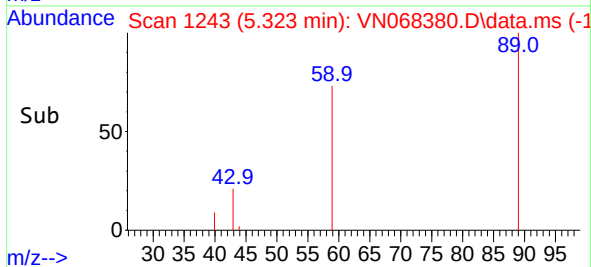
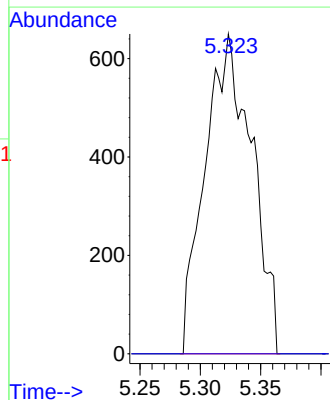
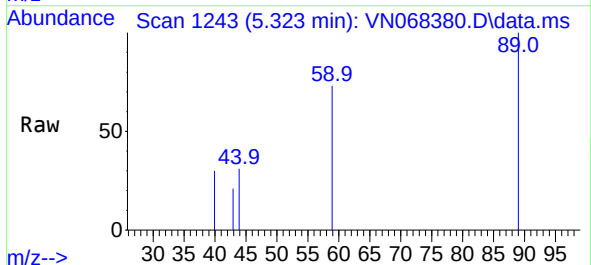
Instrument :
MSVOA_N
ClientSampled :

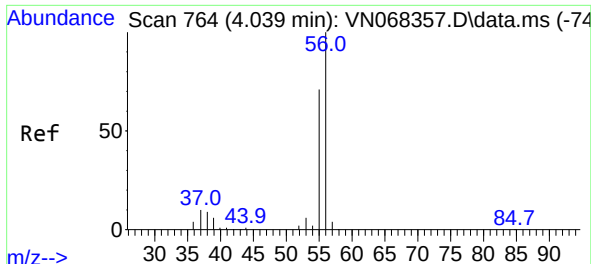
Tgt Ion: 94 Resp: 1076
Ion Ratio Lower Upper
94 100
96 80.0 77.1 115.7



#11
Tert butyl alcohol
Concen: 2.99 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.070 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 59 Resp: 1755
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

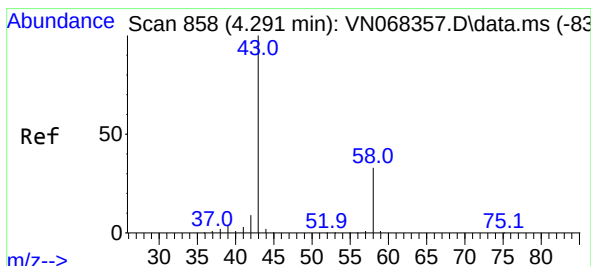
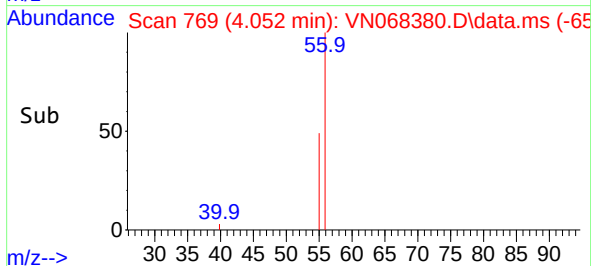
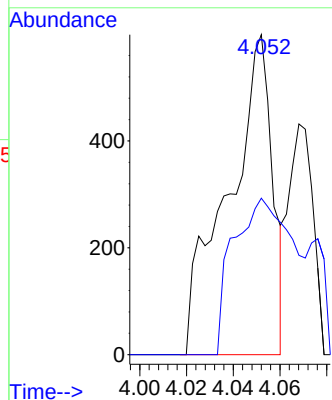
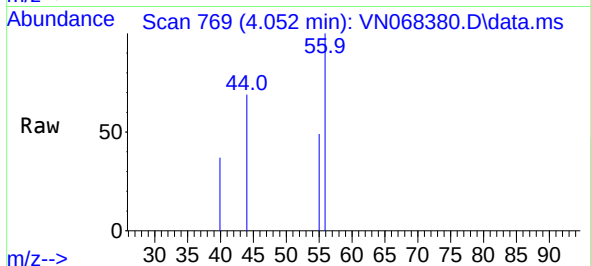




#13
Acrolein
Concen: 2.08 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

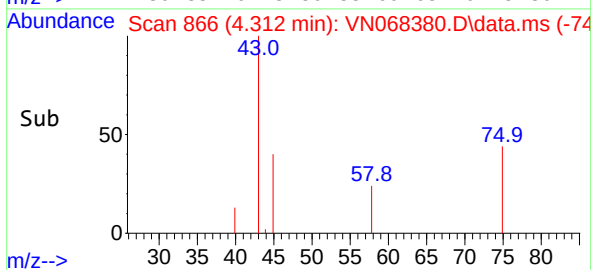
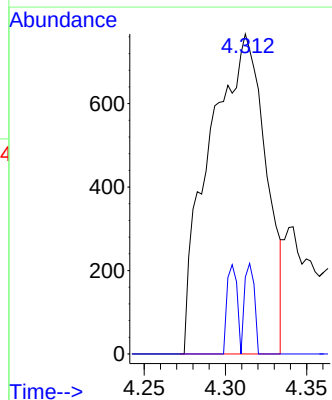
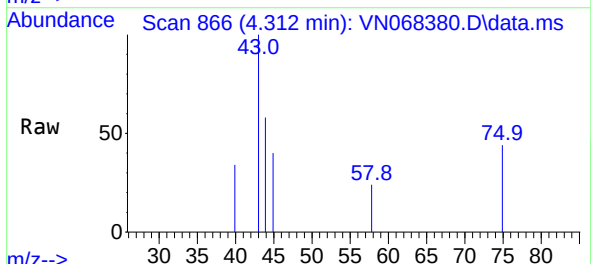
Instrument :
MSVOA_N
ClientSampled :

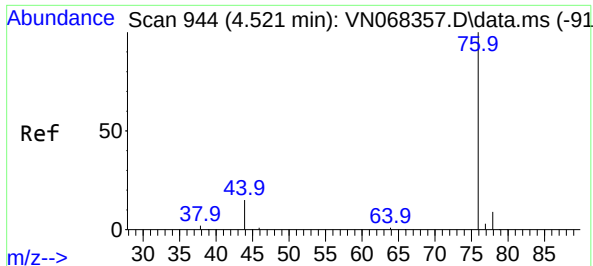
Tgt Ion: 56 Resp: 791
Ion Ratio Lower Upper
56 100
55 66.1 58.9 88.3



#16
Acetone
Concen: Below Cal
RT: 4.312 min Scan# 866
Delta R.T. 0.021 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
58 24.0 26.3 39.5#

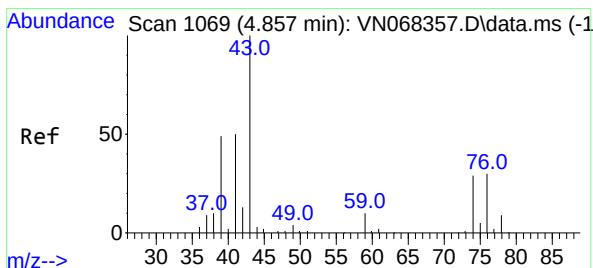
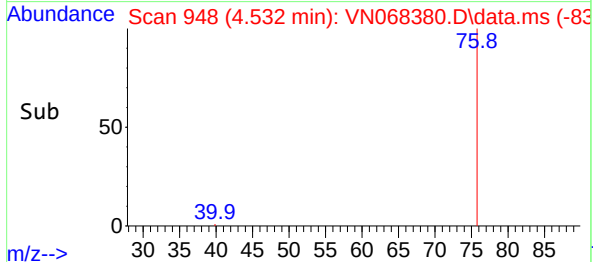
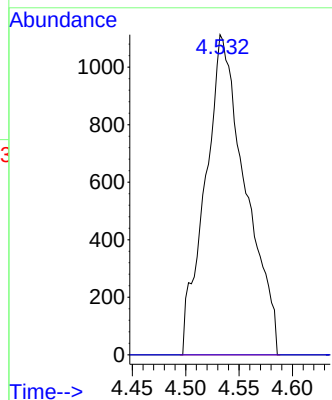
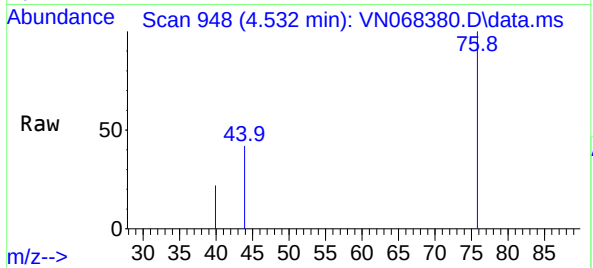




#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.011 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

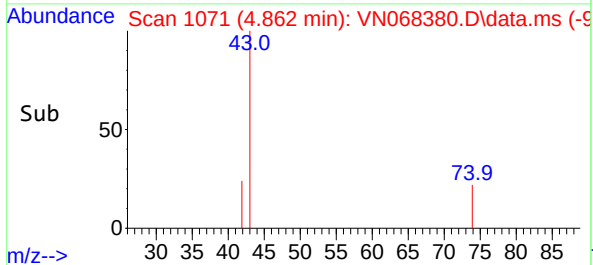
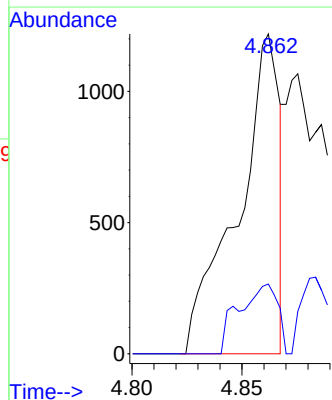
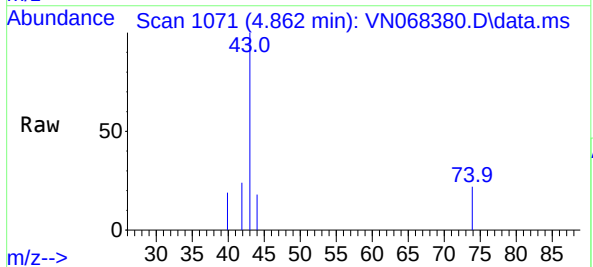
Instrument :
MSVOA_N
ClientSampled :

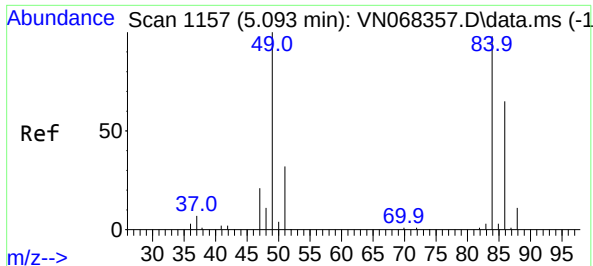
Tgt Ion: 76 Resp: 2920
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
74 13.6 23.0 34.4#



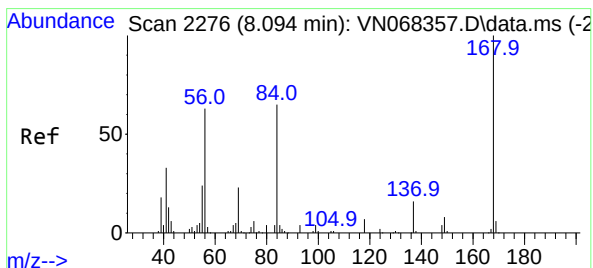
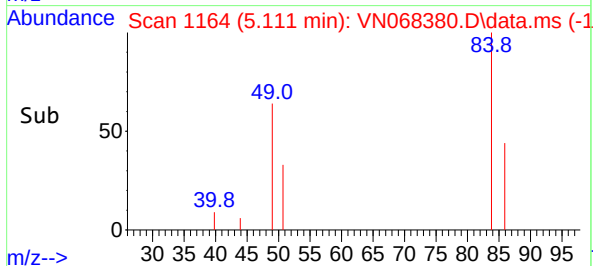
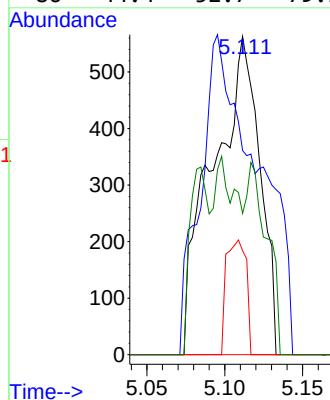
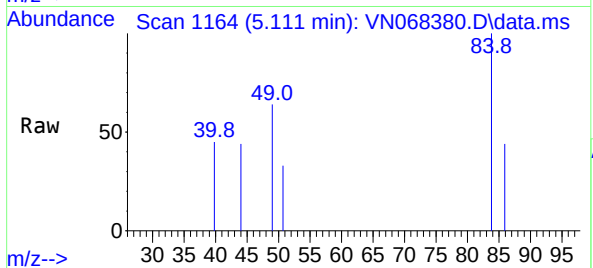


#20
Methylene Chloride
Concen: Below Cal
RT: 5.111 min Scan# 1164
Delta R.T. 0.018 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 1185

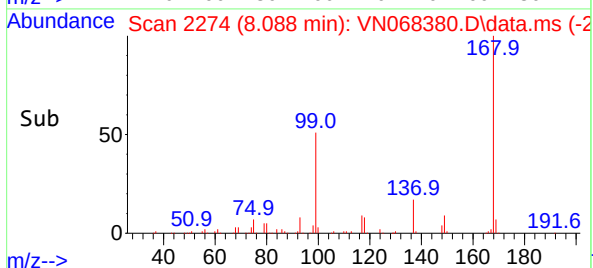
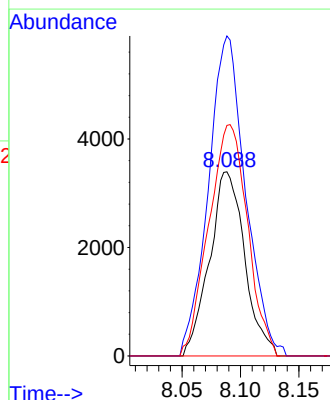
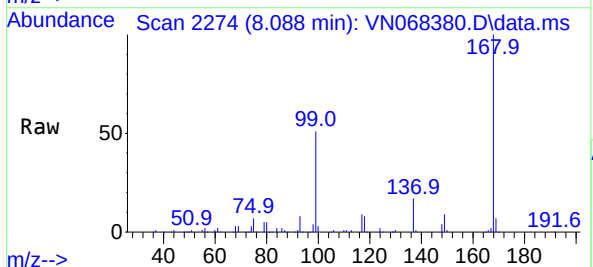
Ion	Ratio	Lower	Upper
84	100		
49	64.1	81.8	122.6#
51	32.7	26.3	39.5
86	44.4	52.7	79.1#

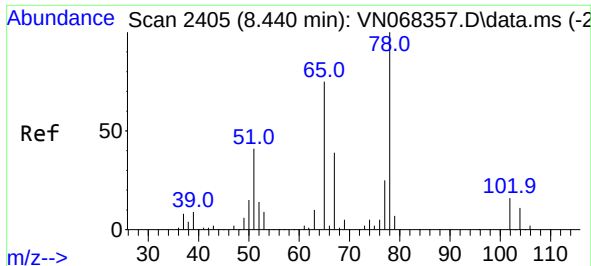


#31
Cyclohexane
Concen: 1.20 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.005 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 56 Resp: 7118

Ion	Ratio	Lower	Upper
56	100		
69	173.8	29.8	44.6#
84	125.2	82.6	124.0#

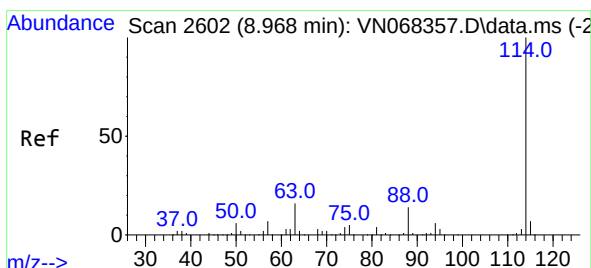
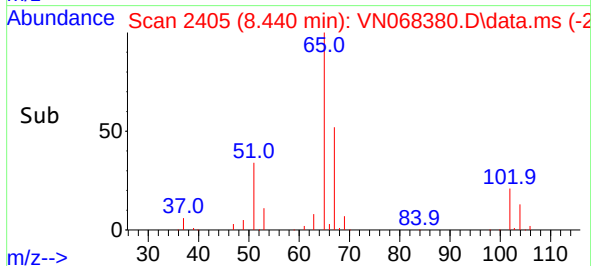
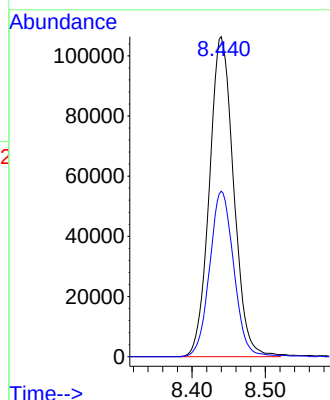
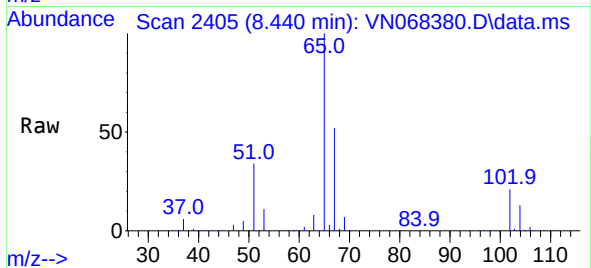




#33
 1,2-Dichloroethane-d4
 Concen: 54.55 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068380.D
 Acq: 1 Sep 2021 12:03

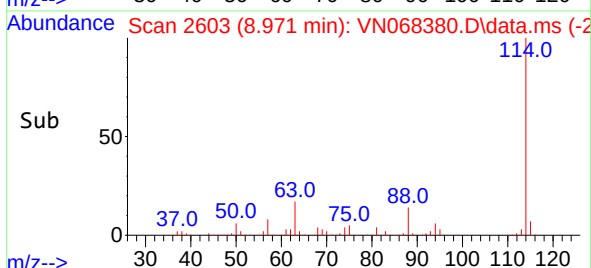
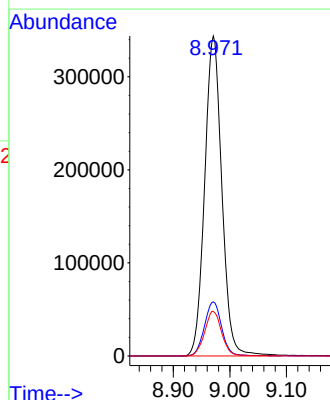
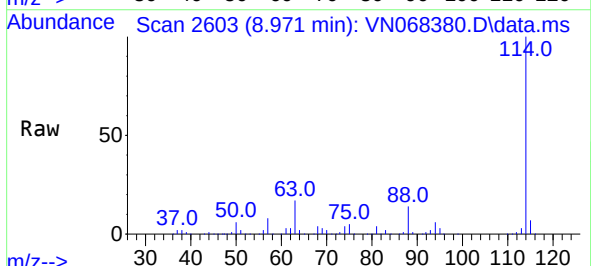
Instrument :
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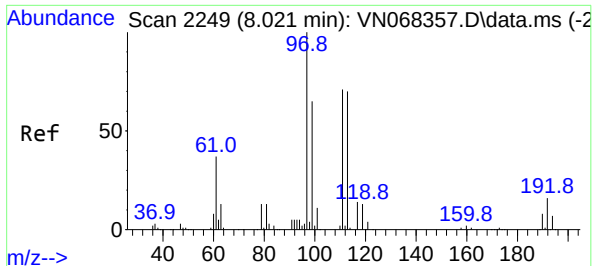
Tgt Ion: 65 Resp: 244596
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068380.D
 Acq: 1 Sep 2021 12:03

Tgt Ion: 114 Resp: 725048
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.2
 88 13.9 0.0 27.6

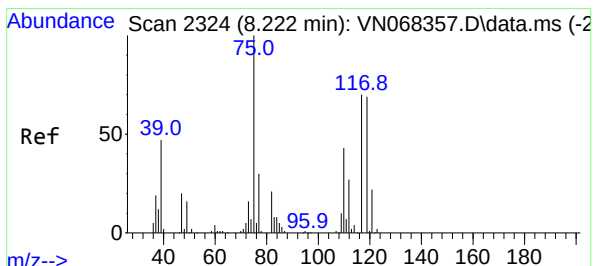
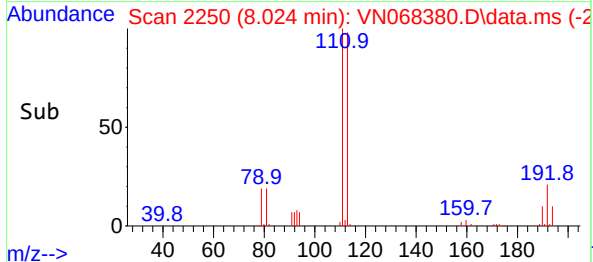
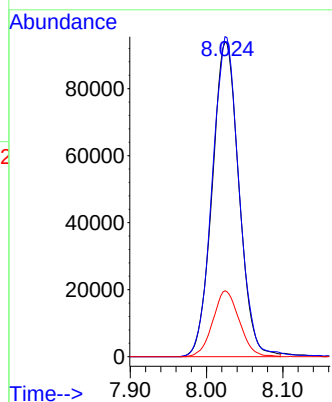
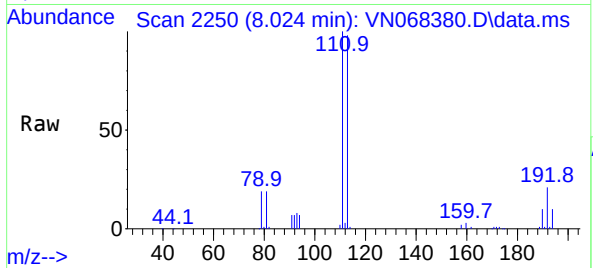




#35
Dibromofluoromethane
Concen: 49.62 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

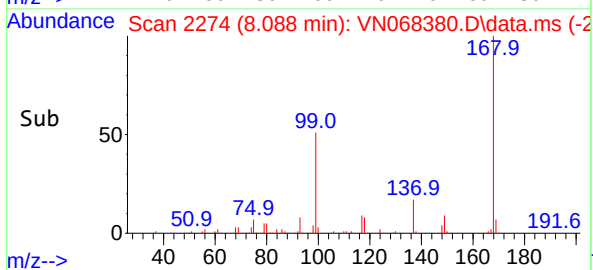
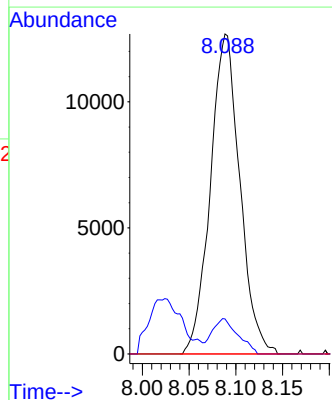
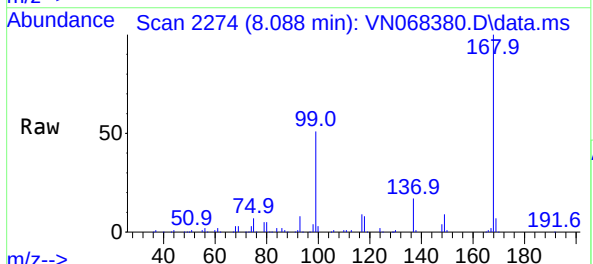
Instrument :
MSVOA_N
ClientSampled :

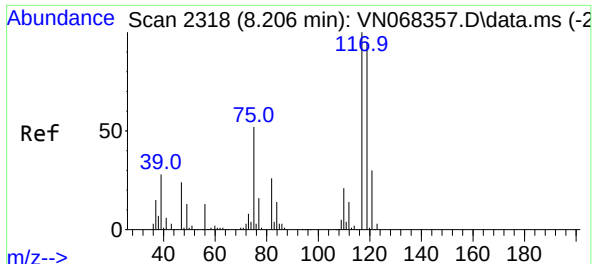
Tgt Ion:113 Resp: 228080
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 20.8 18.1 27.1



#36
1,1-Dichloropropene
Concen: 4.83 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

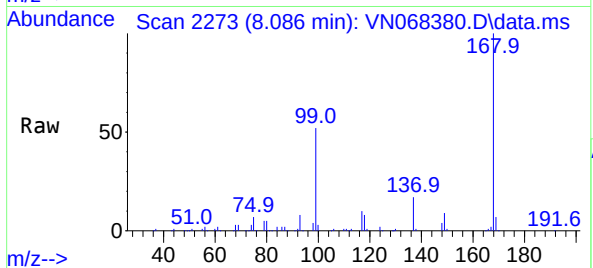
Tgt Ion: 75 Resp: 27829
Ion Ratio Lower Upper
75 100
110 9.8 20.8 62.2#
77 0.0 24.4 36.6#



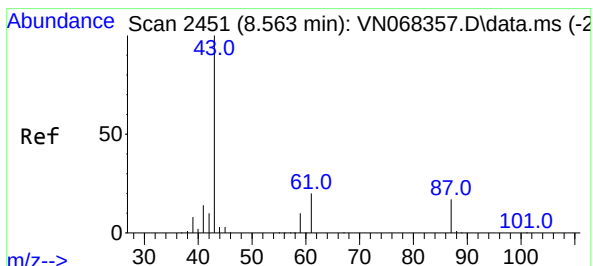
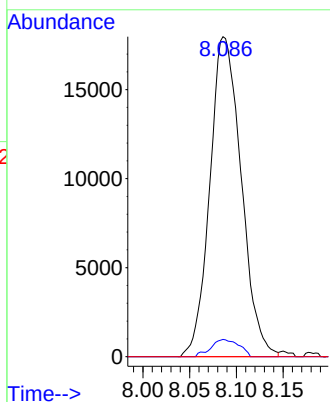
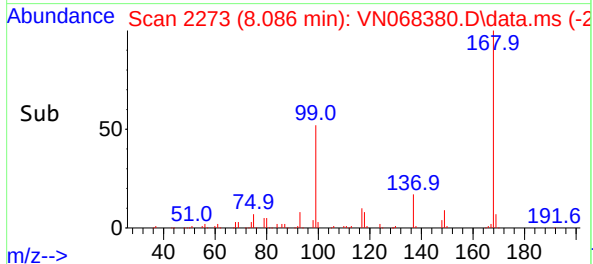


#38
Carbon Tetrachloride
Concen: 6.10 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

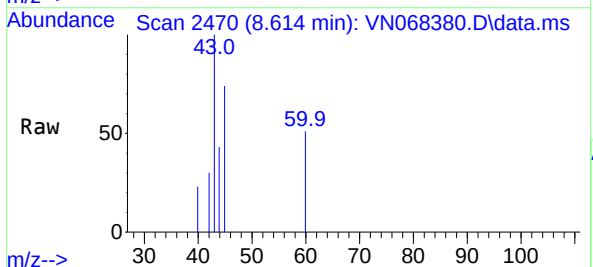
Instrument :
MSVOA_N
ClientSampled :



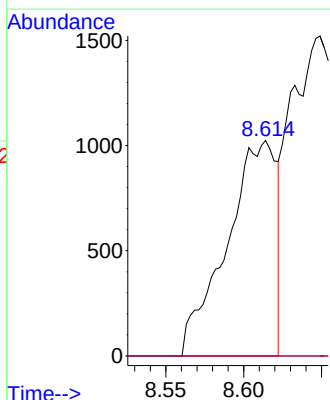
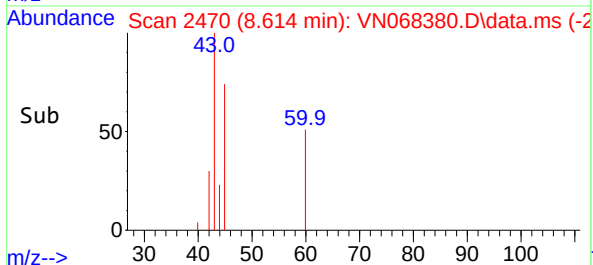
Tgt Ion:117 Resp: 42007
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.2 36.2#

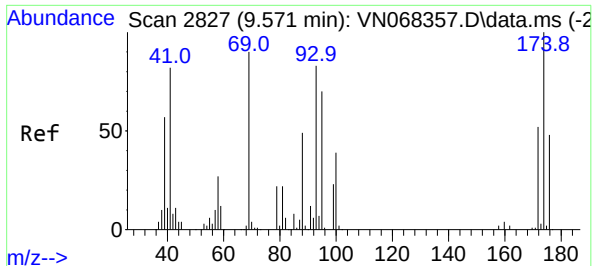


#43
Isopropyl Acetate
Concen: 0.29 ug/l
RT: 8.614 min Scan# 2470
Delta R.T. 0.051 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03



Tgt Ion: 43 Resp: 2287
Ion Ratio Lower Upper
43 100
61 0.0 23.4 35.0#
87 0.0 14.0 21.0#

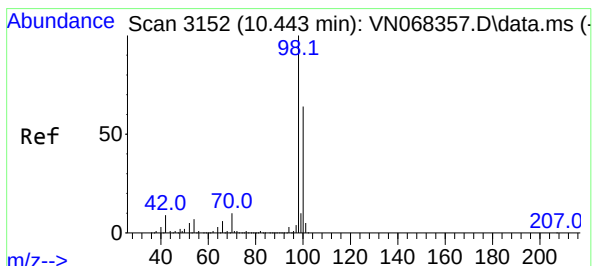
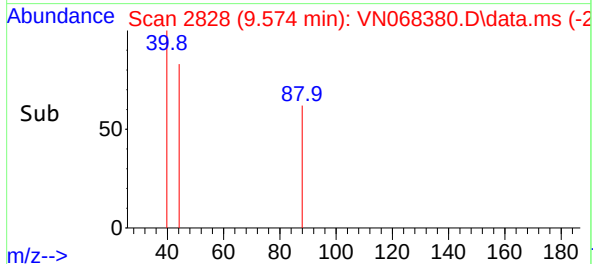
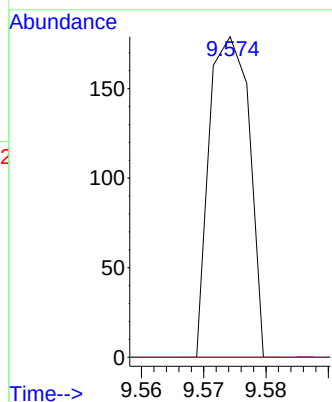
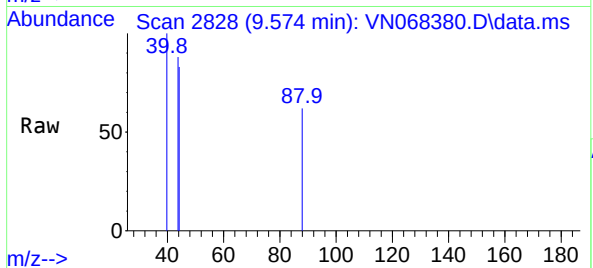




#49
1,4-Dioxane
Concen: 1.00 ug/l
RT: 9.574 min Scan# 2828
Delta R.T. 0.003 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

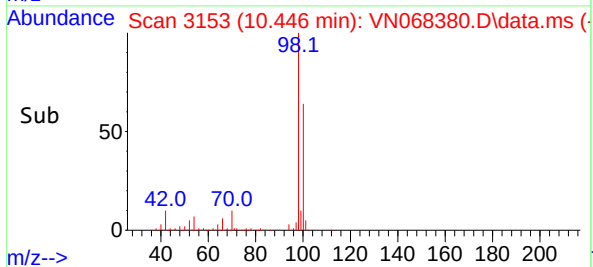
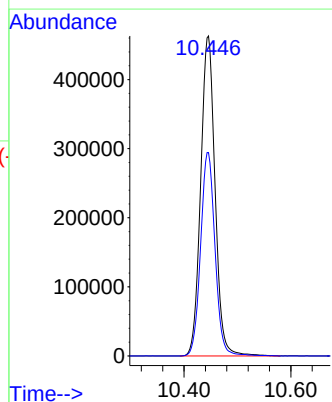
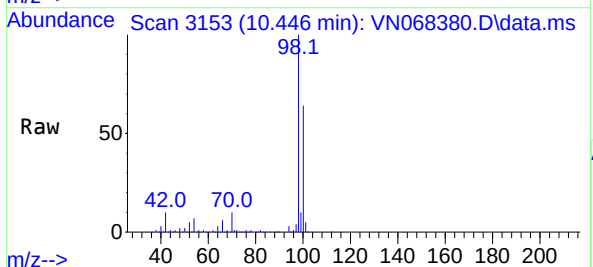
Instrument :
MSVOA_N
ClientSampled :

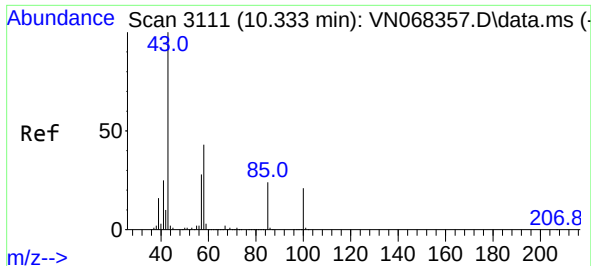
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.4#
58 0.0 44.7 67.1#



#50
Toluene-d8
Concen: 50.49 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 98 Resp: 868842
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6

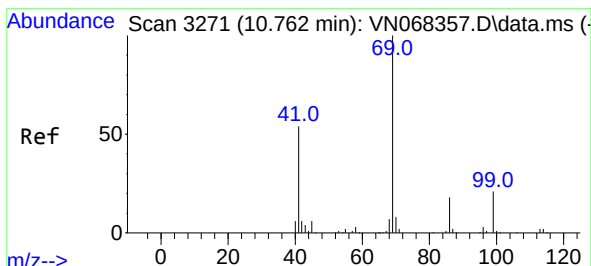
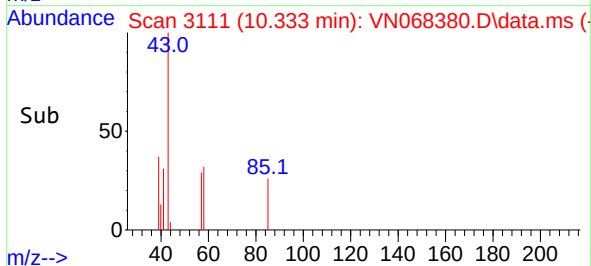
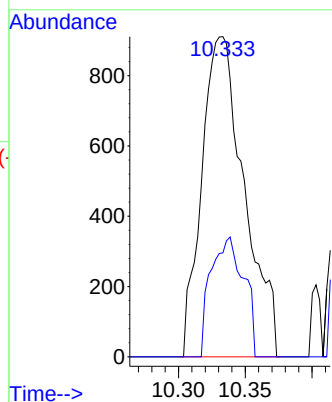
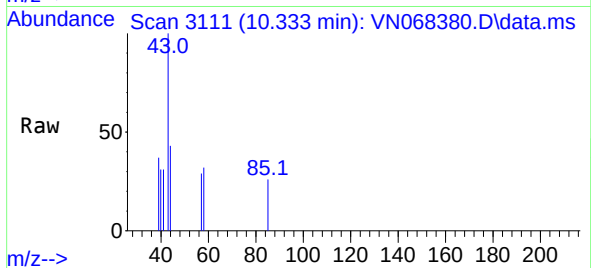




#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

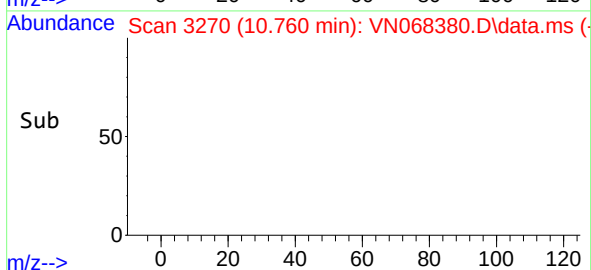
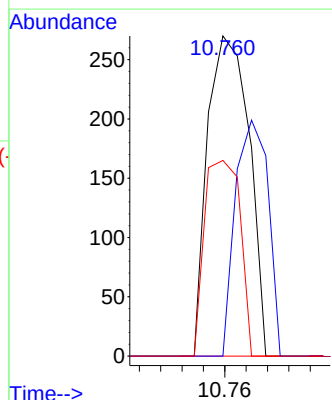
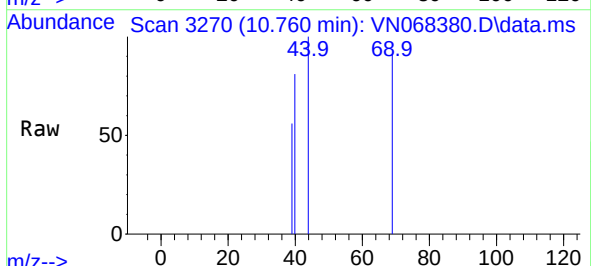
Instrument :
MSVOA_N
ClientSampled :

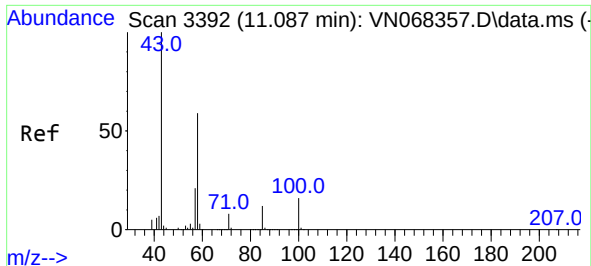
Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
58 28.8 34.4 51.6#



#56
Ethyl methacrylate
Concen: 1.68 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.002 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

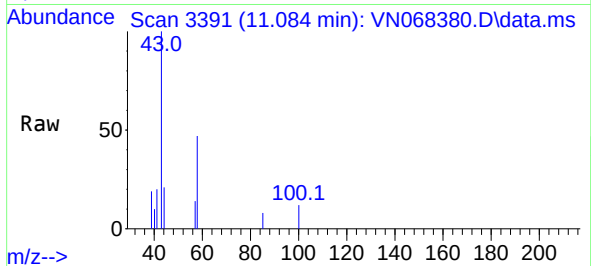
Tgt Ion: 69 Resp: 146
Ion Ratio Lower Upper
69 100
41 58.2 43.0 64.6
39 52.1 28.2 42.2#



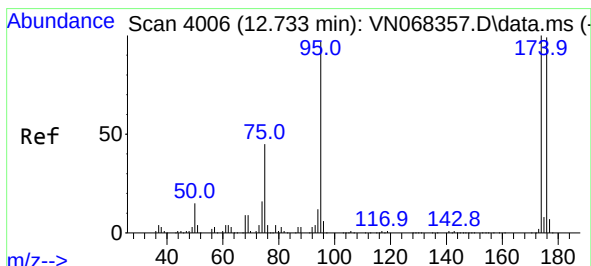
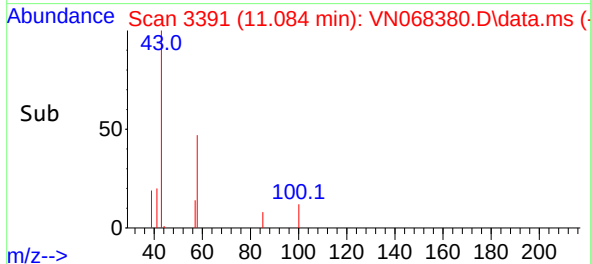
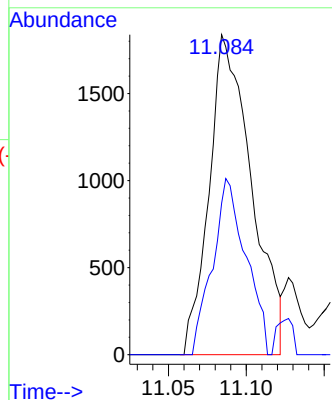


#59
2-Hexanone
Concen: 1.03 ug/l
RT: 11.084 min Scan# 3391
Delta R.T. -0.003 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Instrument :
MSVOA_N
ClientSampled :

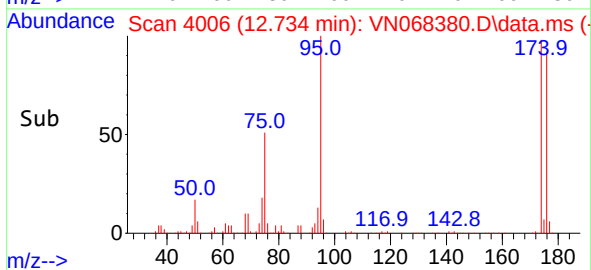
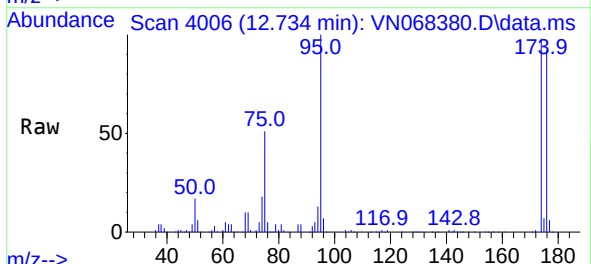
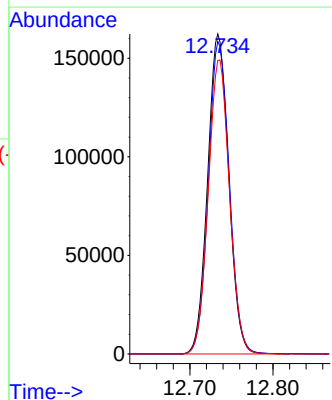


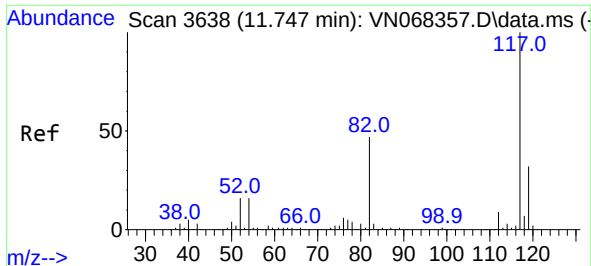
Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
58 43.4 29.8 89.4



#62
4-Bromofluorobenzene
Concen: 50.70 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 95 Resp: 286336
Ion Ratio Lower Upper
95 100
174 97.3 0.0 211.4
176 92.4 0.0 205.4

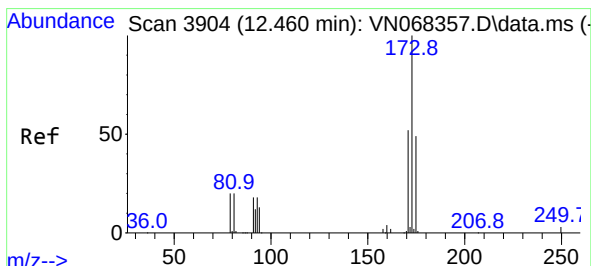
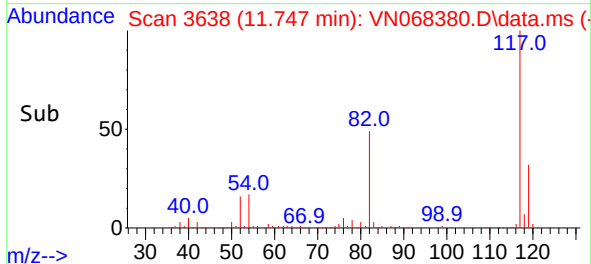
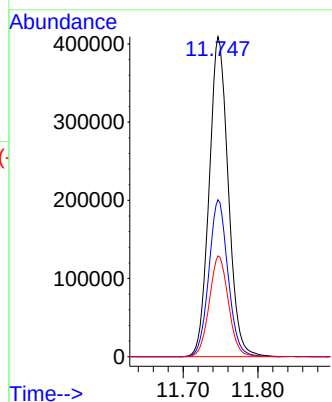
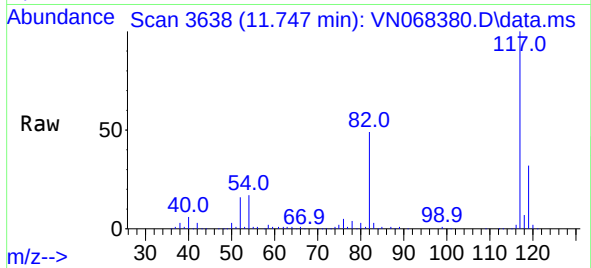




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

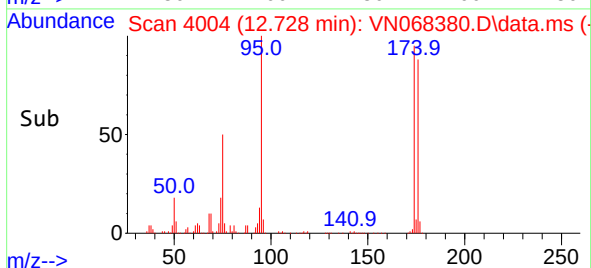
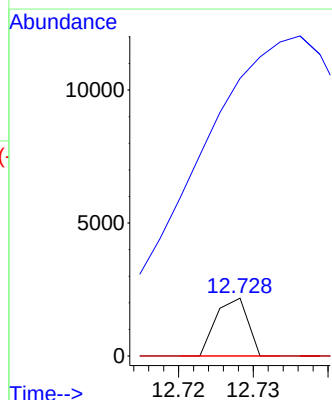
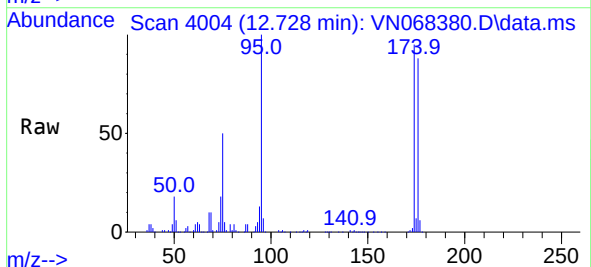
Instrument :
MSVOA_N
ClientSampled :

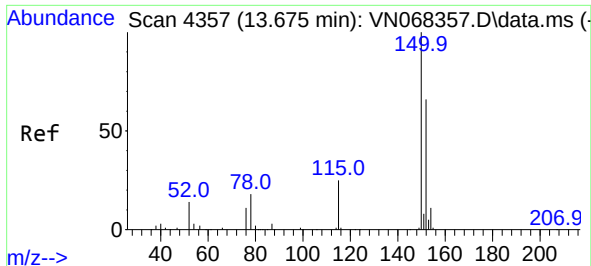
Tgt Ion:117 Resp: 725253
Ion Ratio Lower Upper
117 100
82 49.1 37.8 56.6
119 31.5 26.0 39.0



#71
Bromoform
Concen: 2.05 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion:173 Resp: 639
Ion Ratio Lower Upper
173 100
175 3051.3 24.0 72.0#
254 0.0 0.0 0.0

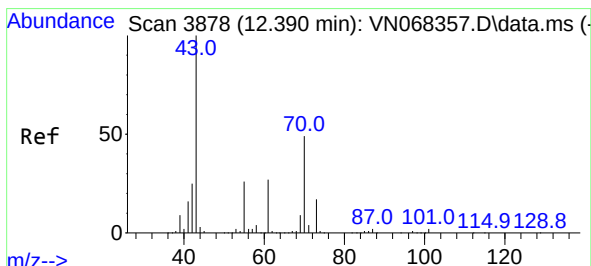
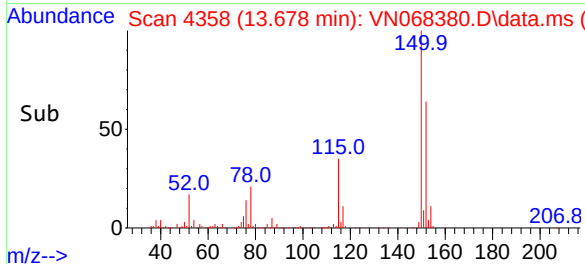
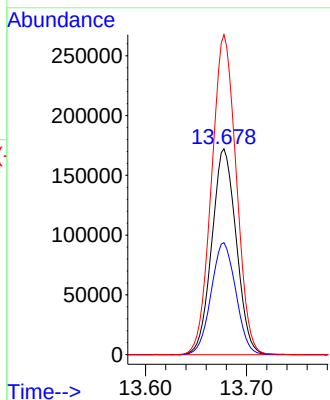
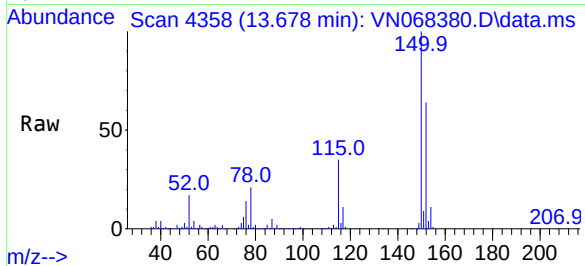




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

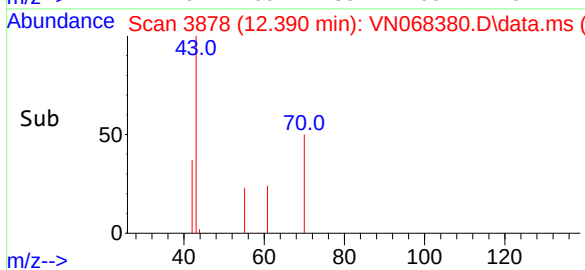
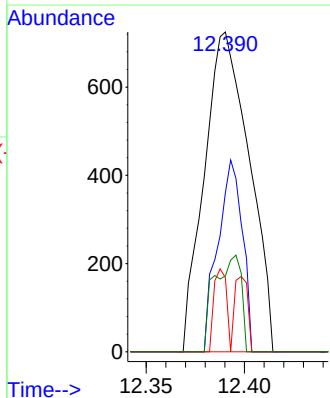
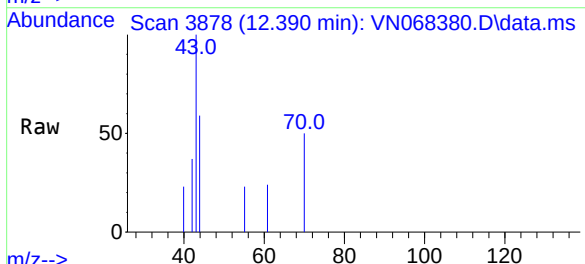
Instrument :
MSVOA_N
ClientSampled :

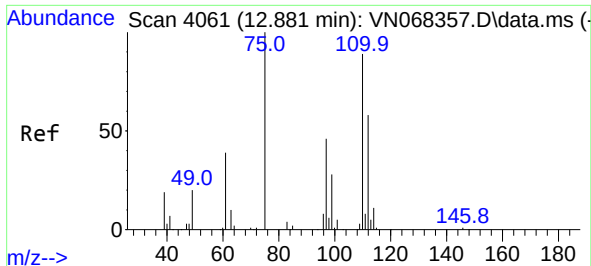
Tgt Ion:152 Resp: 289682
Ion Ratio Lower Upper
152 100
115 55.1 26.1 78.3
150 157.1 0.0 348.4



#74
N-ethyl acetate
Concen: 0.22 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
70 32.7 39.2 58.8#
55 6.9 21.0 31.4#
61 17.9 21.5 32.3#

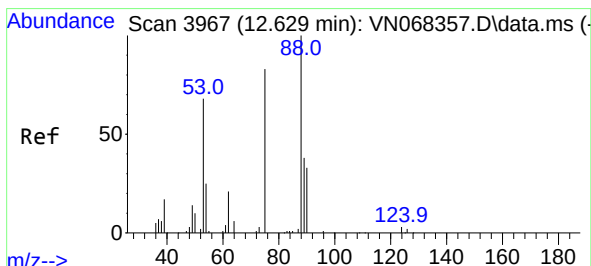
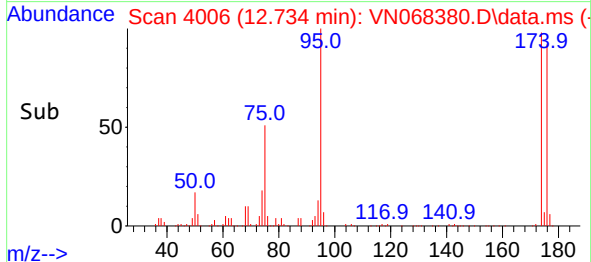
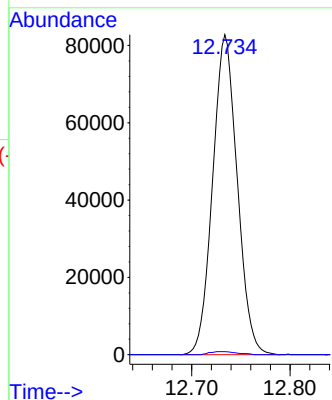
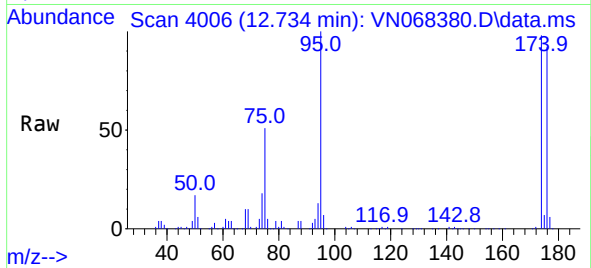




#76
1,2,3-Trichloropropane
Concen: 29.22 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

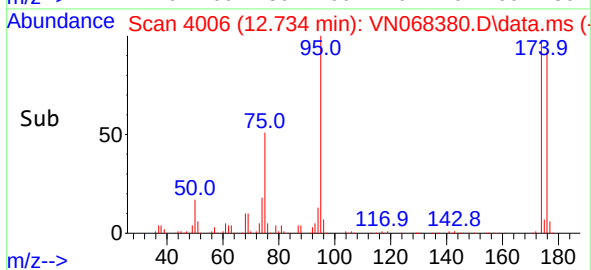
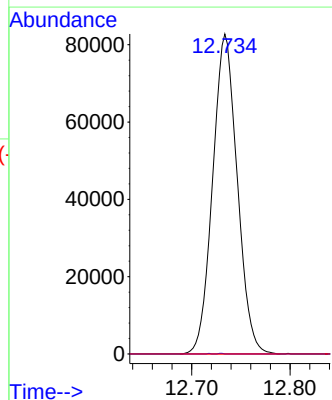
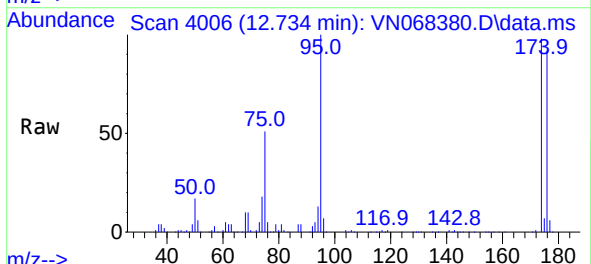
Instrument :
MSVOA_N
ClientSampled :

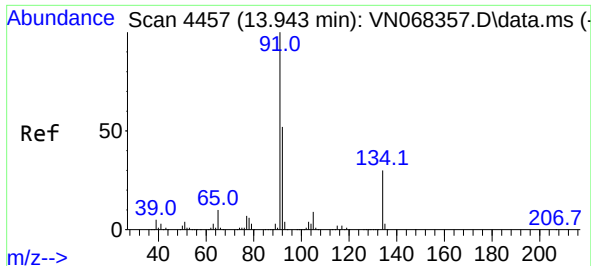
Tgt Ion: 75 Resp: 143847
Ion Ratio Lower Upper
75 100
77 1.1 108.3 324.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.54 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 75 Resp: 143847
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.2#
89 0.0 39.8 59.6#



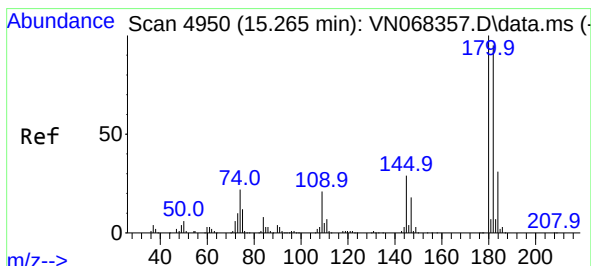
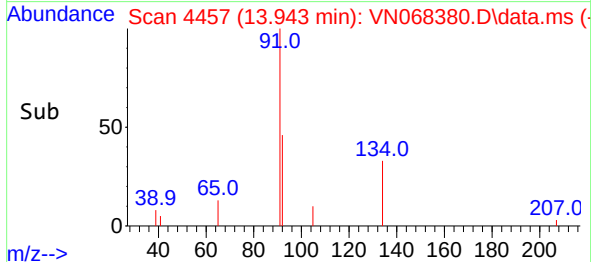
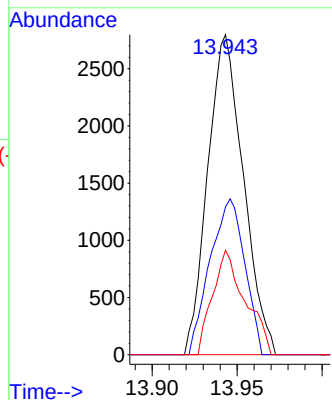
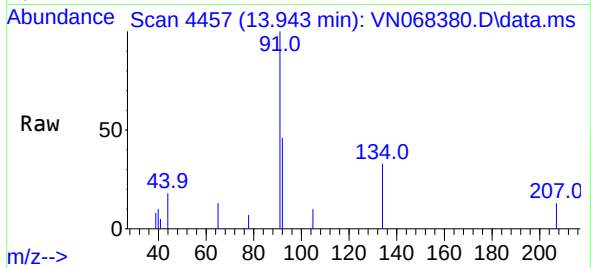


#89
n-Butylbenzene
Concen: 0.32 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 4087

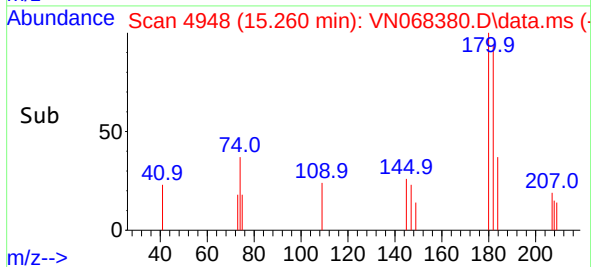
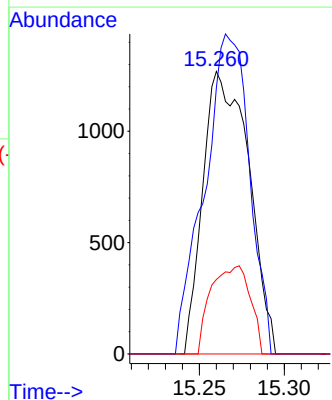
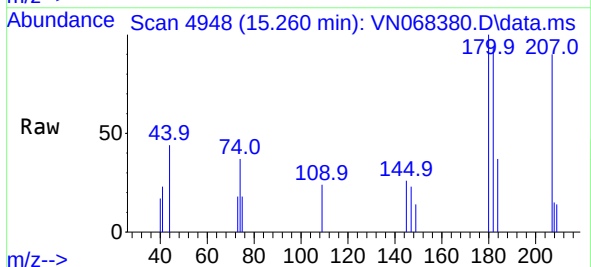
Ion	Ratio	Lower	Upper
91	100		
92	47.3	25.8	77.3
134	29.8	15.2	45.5

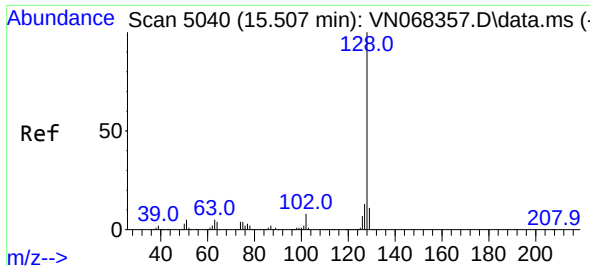


#93
1,2,4-Trichlorobenzene
Concen: 2.65 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion: 180 Resp: 2375

Ion	Ratio	Lower	Upper
180	100		
182	111.2	46.9	140.7
145	26.7	14.1	42.3

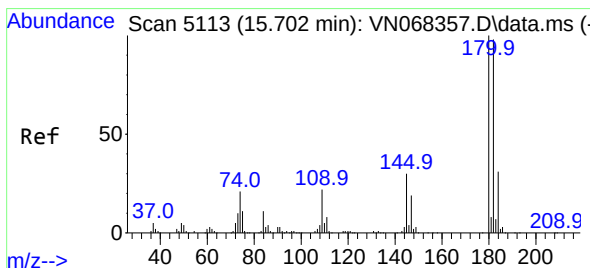
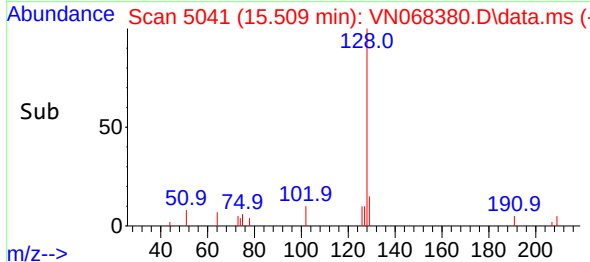
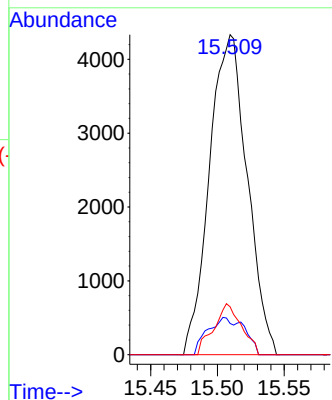
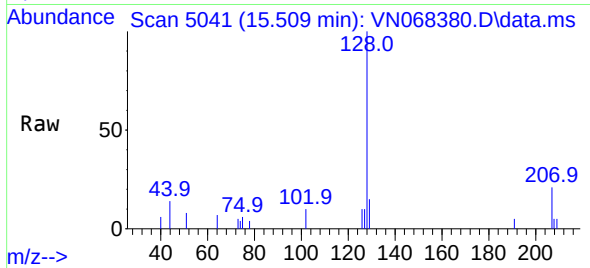




#95
Naphthalene
Concen: 3.02 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 8510
Ion Ratio Lower Upper
128 100
127 7.7 10.6 16.0#
129 11.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.54 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068380.D
Acq: 1 Sep 2021 12:03

Tgt Ion:180 Resp: 2804
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 26.4 14.7 44.1

