

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069058.D
 Acq On : 20 Oct 2021 13:40
 Operator : JC/MD
 Sample : M4286-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 16:41:16 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	340601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	597304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	556320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	220016	48.994	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.980%
35) Dibromofluoromethane	8.024	113	174811	50.303	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.600%
50) Toluene-d8	10.443	98	735977	52.930	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.860%
62) 4-Bromofluorobenzene	12.733	95	255444	48.692	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.380%

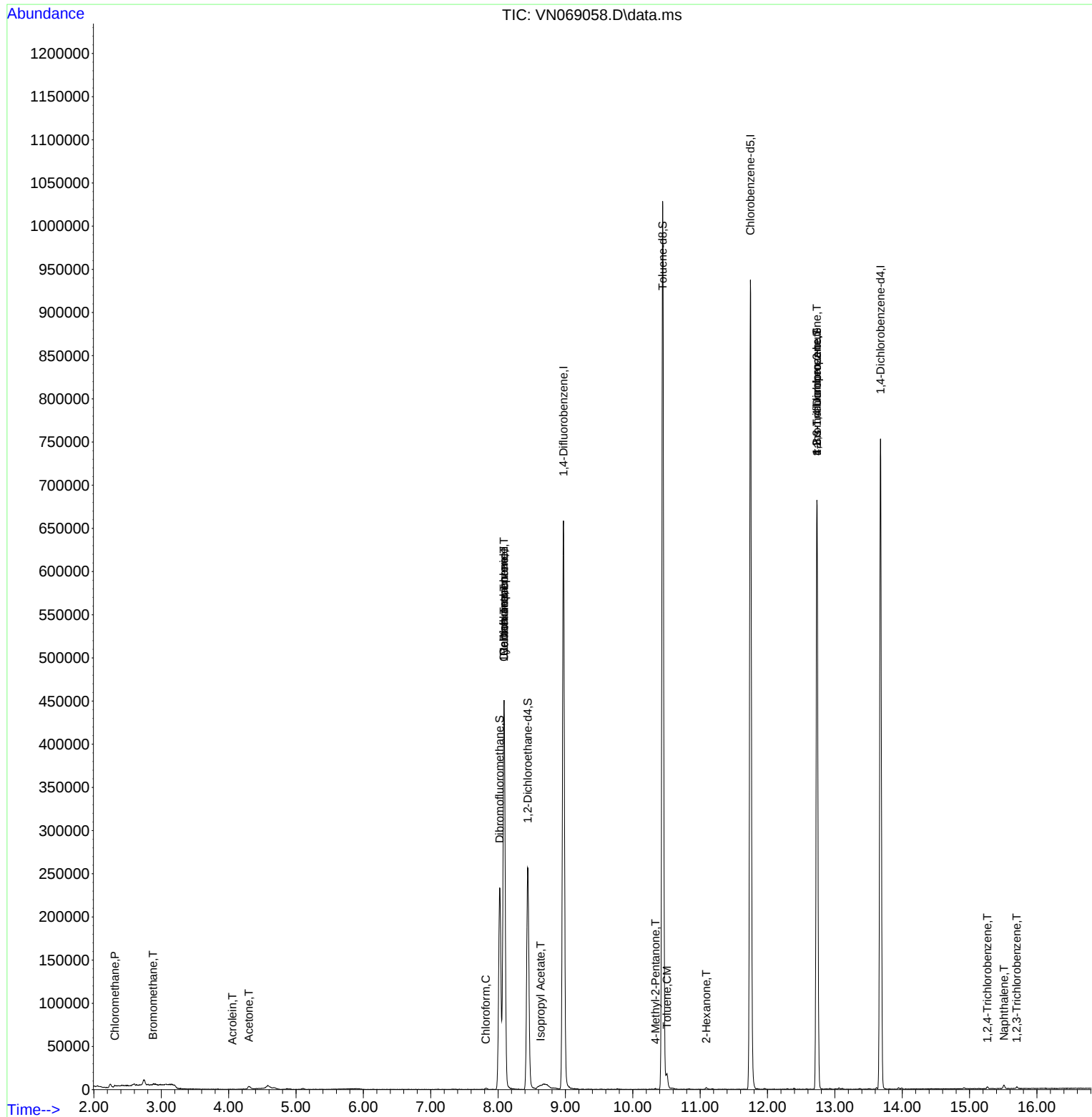
Target Compounds						Qvalue
3) Chloromethane	2.309	50	908	0.218	ug/l #	86
5) Bromomethane	2.877	94	661	0.284	ug/l	91
13) Acrolein	4.057	56	75	0.207	ug/l #	13
16) Acetone	4.299	43	5977	3.567	ug/l	98
30) Chloroform	7.817	83	1659	0.236	ug/l	96
31) Cyclohexane	8.086	56	7764	1.112	ug/l #	4
36) 1,1-Dichloropropene	8.086	75	28233	5.534	ug/l #	50
38) Carbon Tetrachloride	8.088	117	36120	6.446	ug/l #	16
43) Isopropyl Acetate	8.630	43	4999	0.538	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	1245	0.231	ug/l #	36
52) Toluene	10.507	92	5796	0.580	ug/l	96
59) 2-Hexanone	11.089	43	1418	0.367	ug/l	96
76) 1,2,3-Trichloropropane	12.733	75	133641	31.491	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	133641	75.339	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.262	180	936	2.866	ug/l	91
95) Naphthalene	15.509	128	5160	4.327	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.700	180	901	2.782	ug/l	90

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

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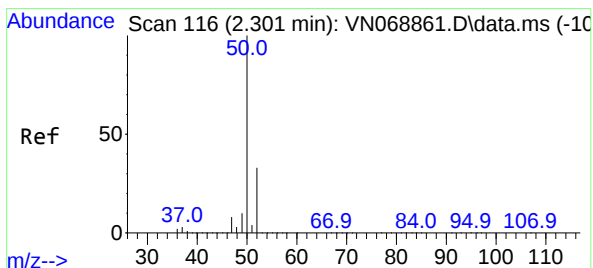
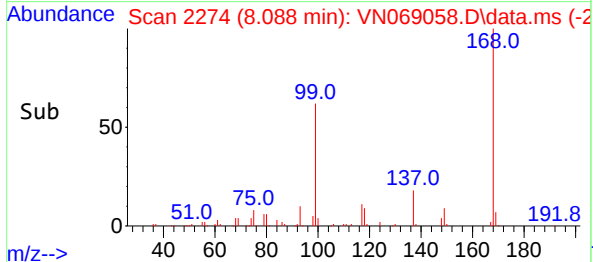
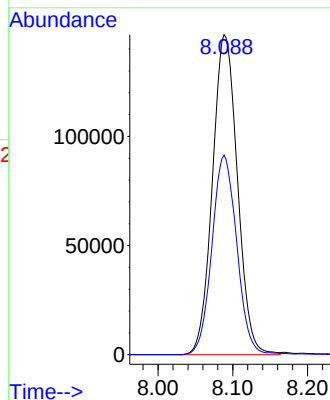
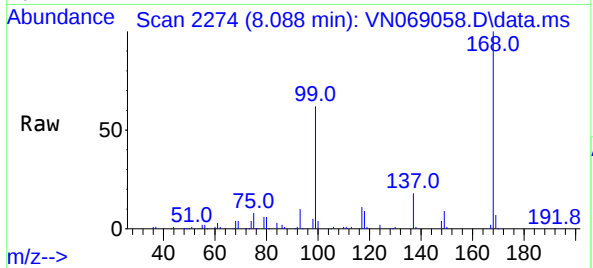




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

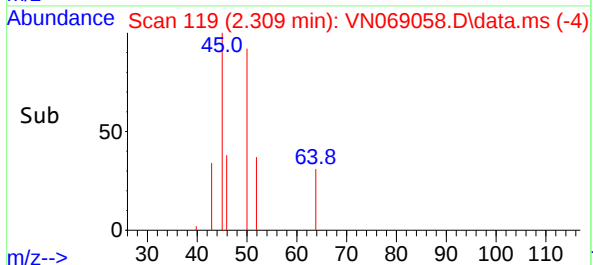
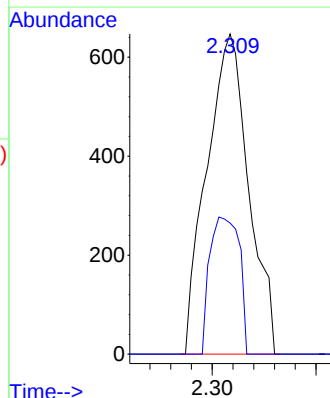
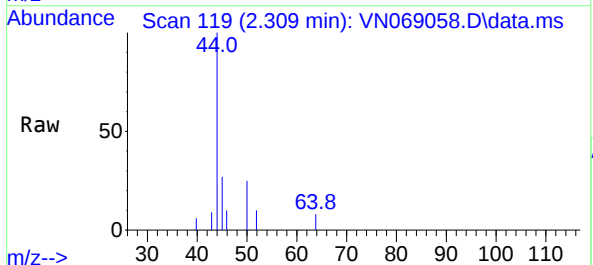
Instrument :
MSVOA_N
ClientSampled :

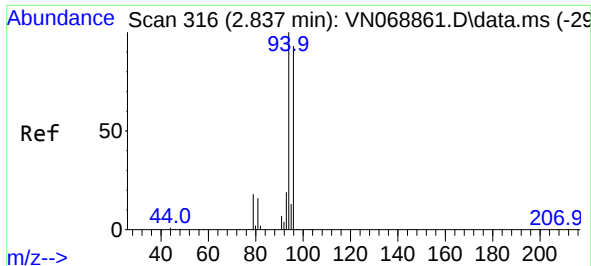
Tgt Ion:168 Resp: 340601
Ion Ratio Lower Upper
168 100
99 62.4 48.9 73.3



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 50 Resp: 908
Ion Ratio Lower Upper
50 100
52 41.0 26.3 39.5#

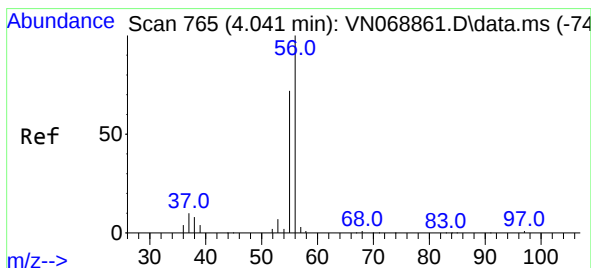
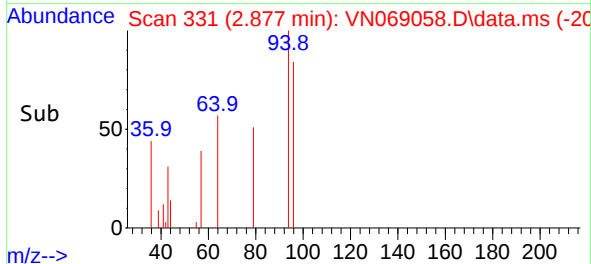
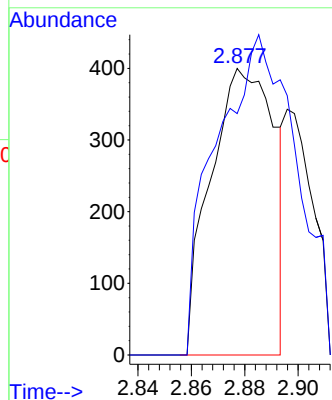
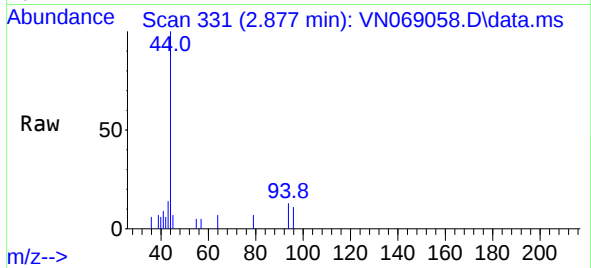




#5
Bromomethane
Concen: 0.284 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

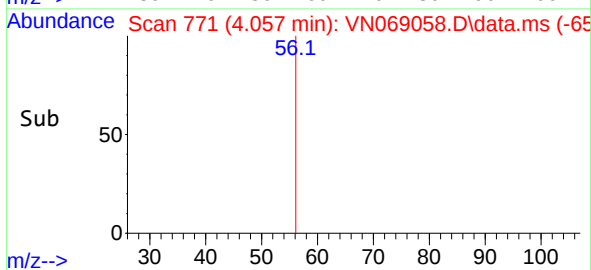
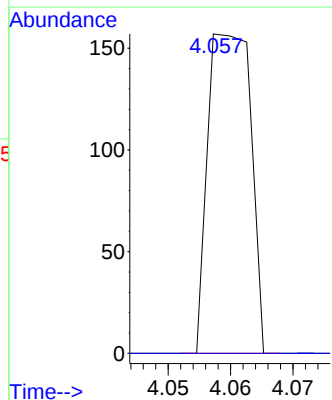
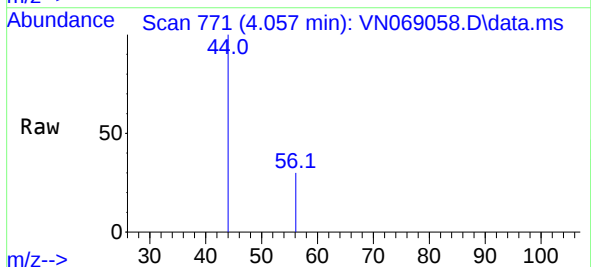
Instrument :
MSVOA_N
ClientSampled :

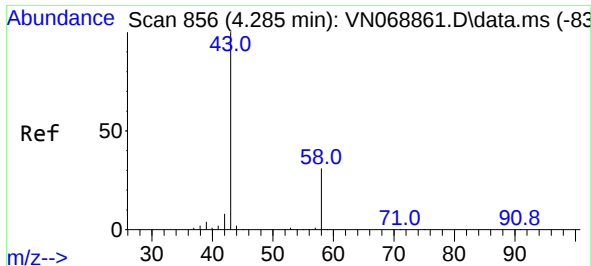
Tgt Ion: 94 Resp: 661
Ion Ratio Lower Upper
94 100
96 84.3 74.2 111.4



#13
Acrolein
Concen: 0.207 ug/l
RT: 4.057 min Scan# 771
Delta R.T. 0.016 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

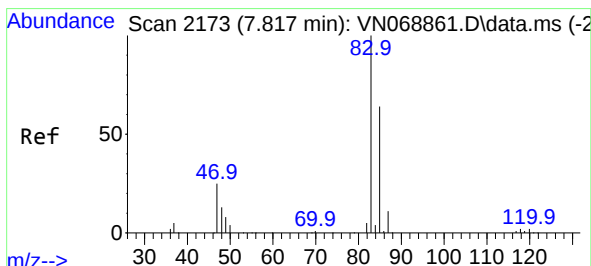
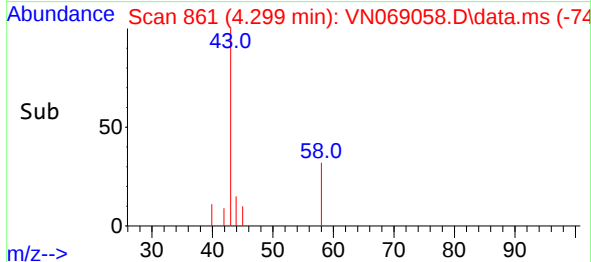
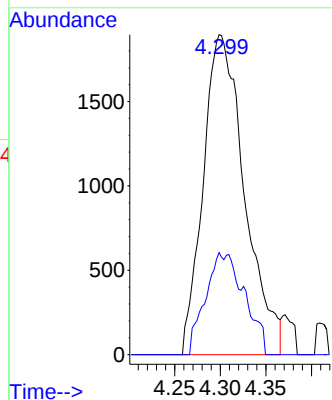
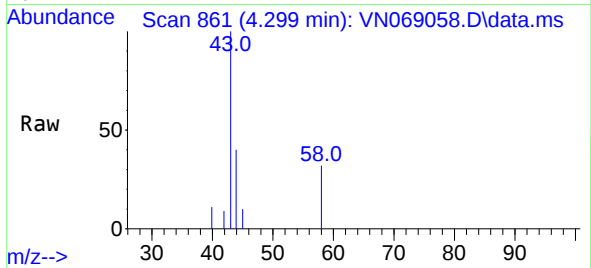




#16
Acetone
Concen: 3.567 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

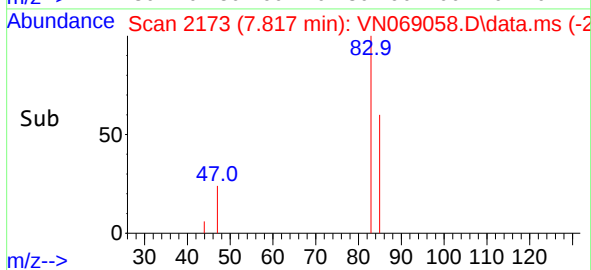
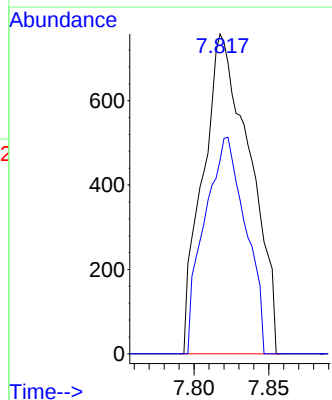
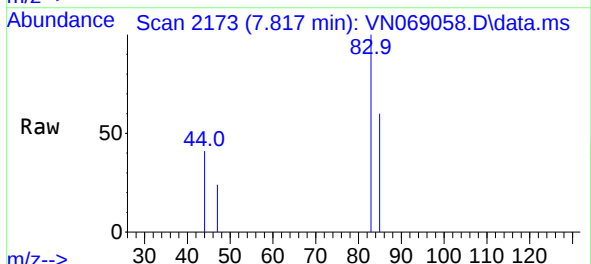
Instrument :
MSVOA_N
ClientSampled :

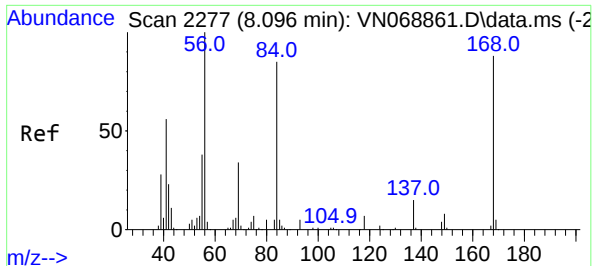
Tgt Ion: 43 Resp: 5977
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7



#30
Chloroform
Concen: 0.236 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 83 Resp: 1659
Ion Ratio Lower Upper
83 100
85 60.4 51.1 76.7

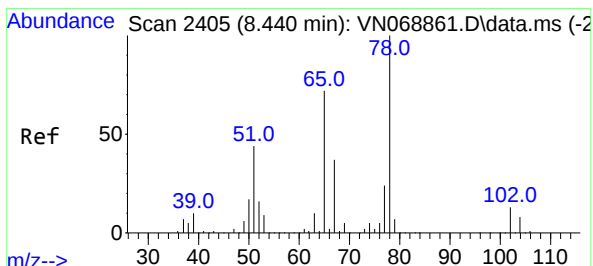
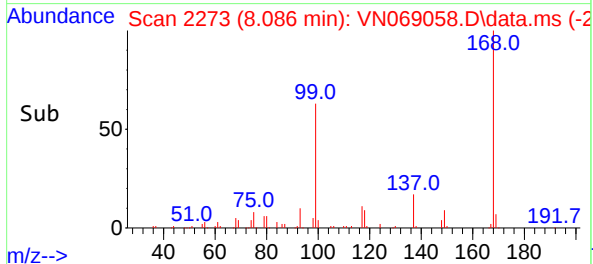
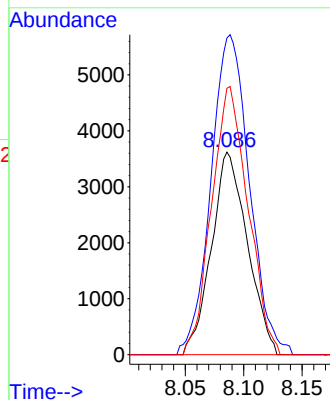
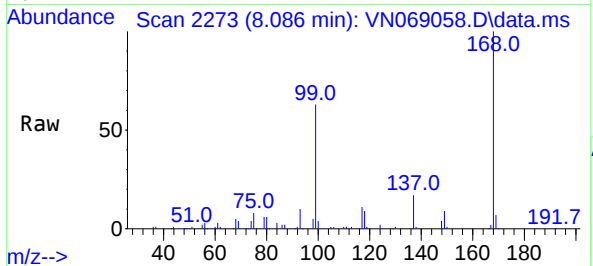




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

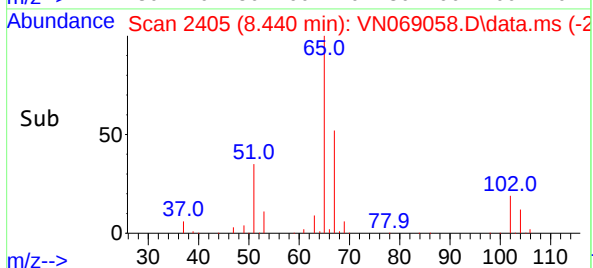
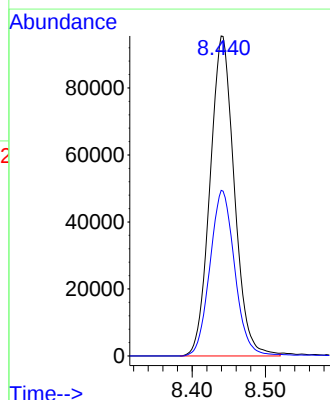
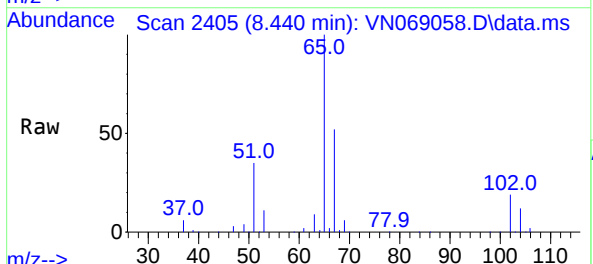
Instrument :
MSVOA_N
ClientSampled :

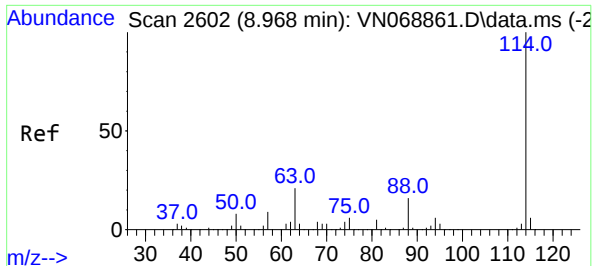
Tgt Ion: 56 Resp: 7764
Ion Ratio Lower Upper
56 100
69 151.8 26.9 40.3#
84 131.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.994 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 65 Resp: 220016
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.8



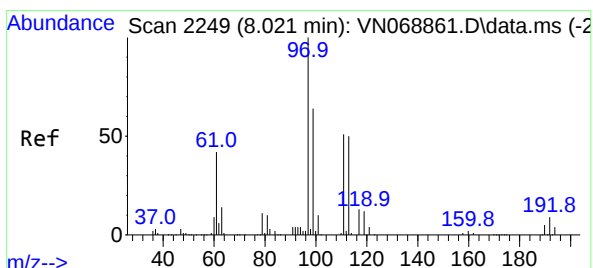
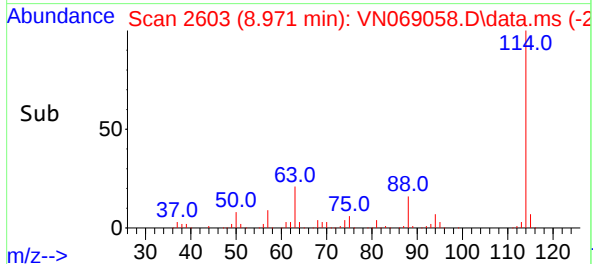
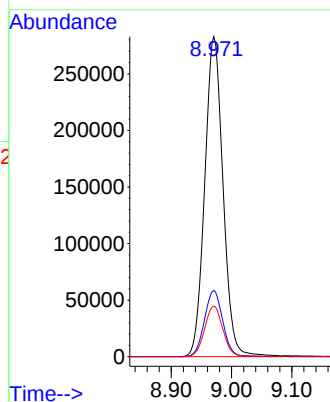
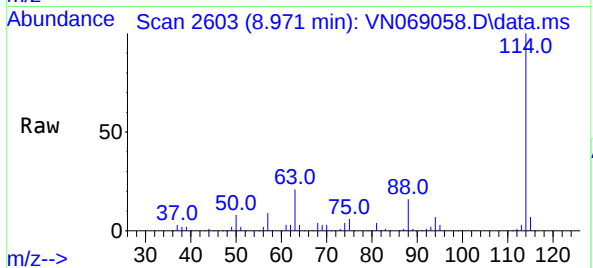


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Instrument :
MSVOA_N
ClientSampled :

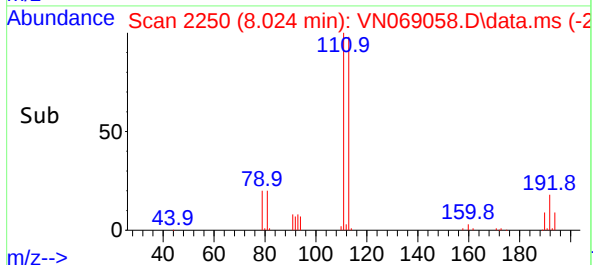
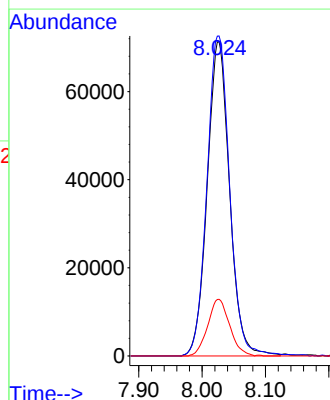
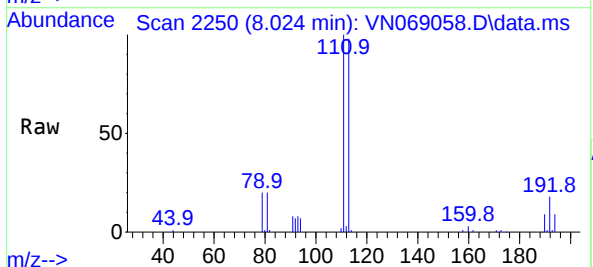
Tgt Ion:114 Resp: 597304
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.8 0.0 32.0

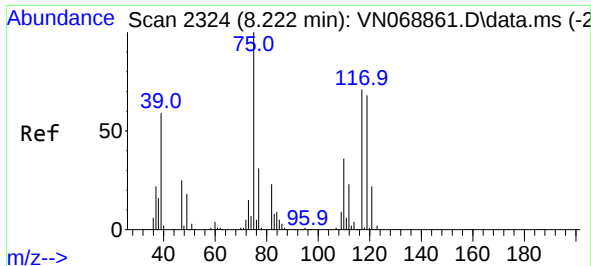


#35

Dibromofluoromethane
Concen: 50.303 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion:113 Resp: 174811
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 17.7 15.0 22.4



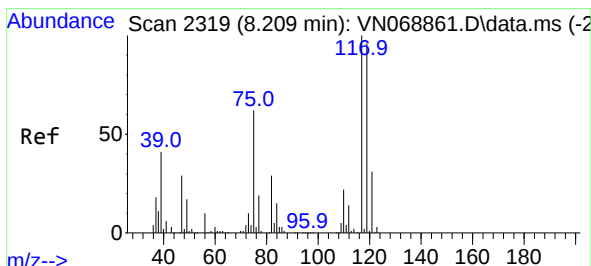
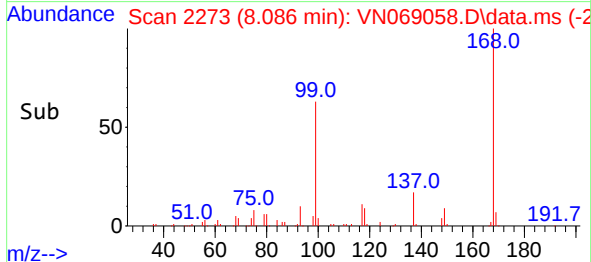
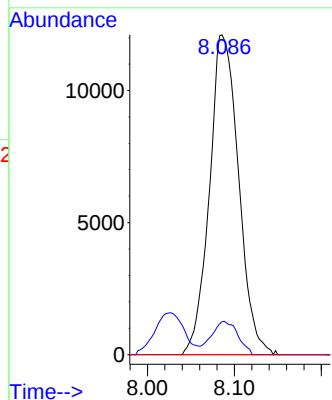
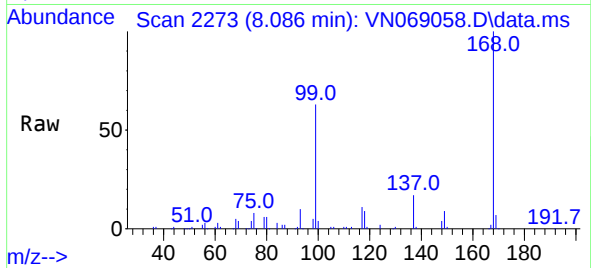


#36
1,1-Dichloropropene
Concen: 5.534 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 28233

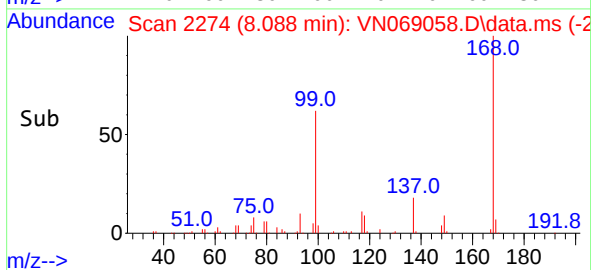
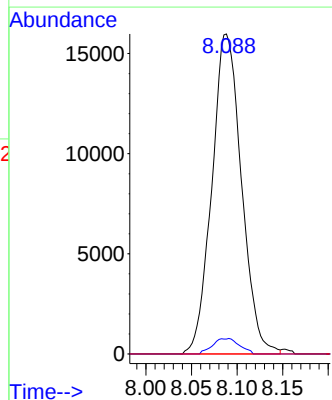
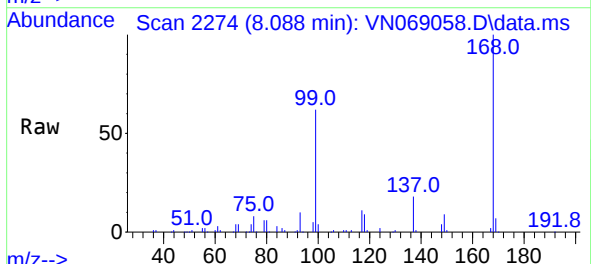
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.9	53.8#
77	0.0	24.7	37.1#

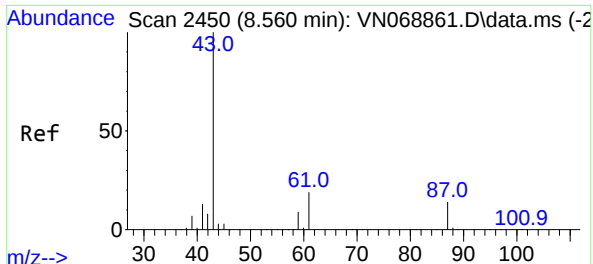


#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 117 Resp: 36120

Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.9	115.3#
121	0.0	24.6	37.0#

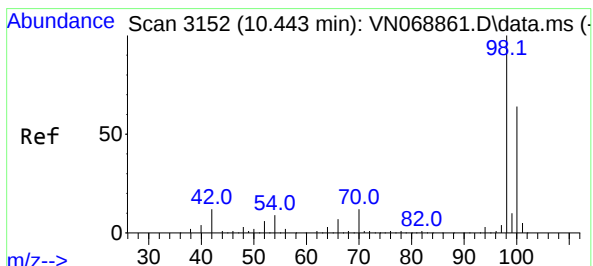
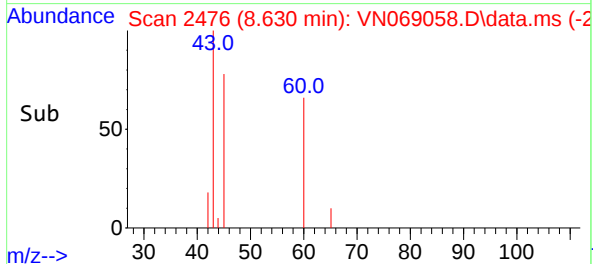
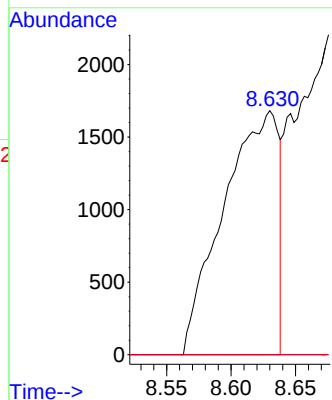
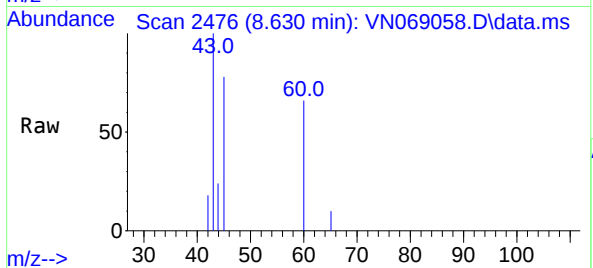




#43
Isopropyl Acetate
Concen: 0.538 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.070 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

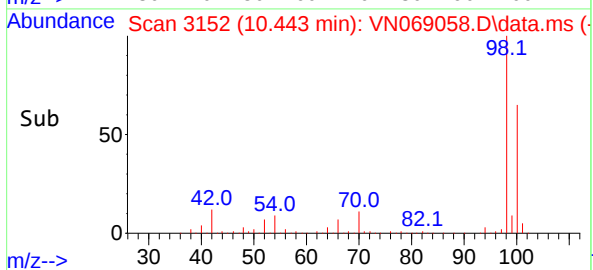
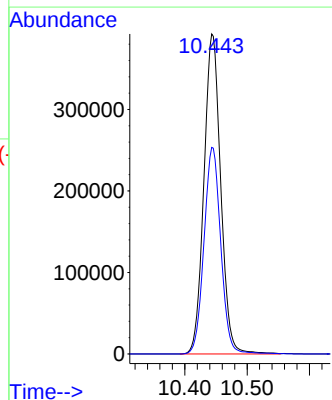
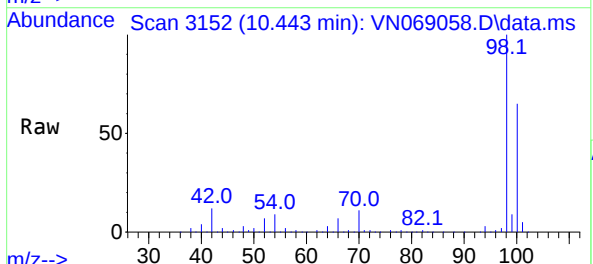
Instrument :
MSVOA_N
ClientSampled :

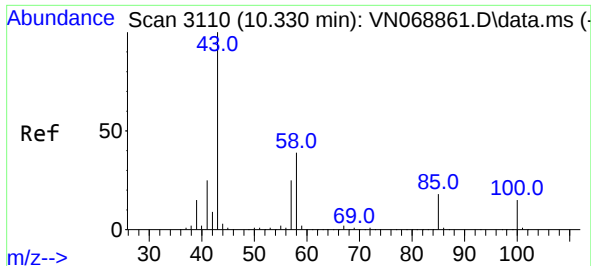
Tgt Ion: 43 Resp: 4999
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.930 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 98 Resp: 735977
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

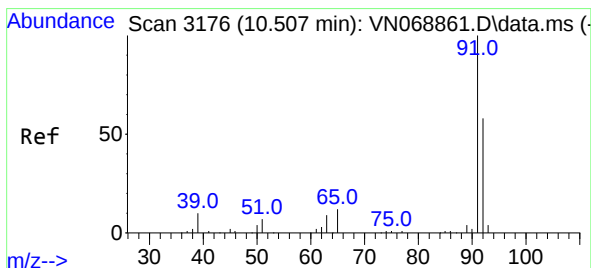
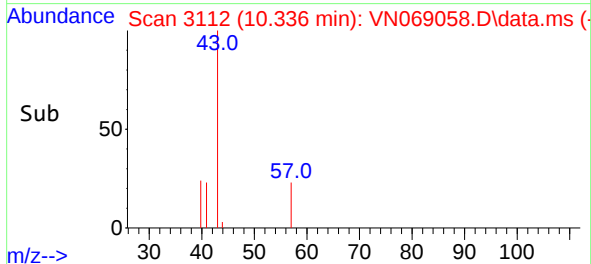
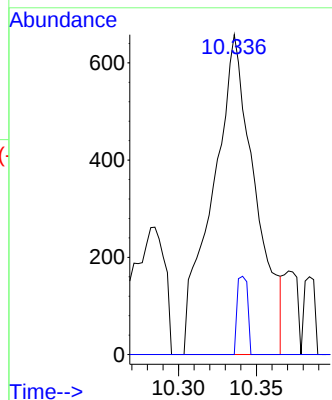
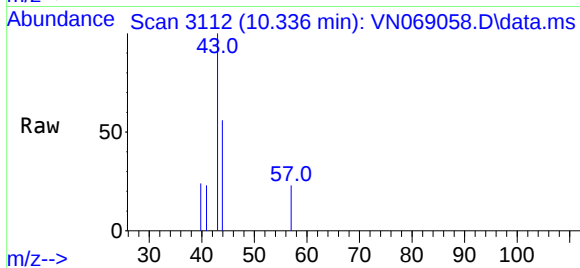




#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

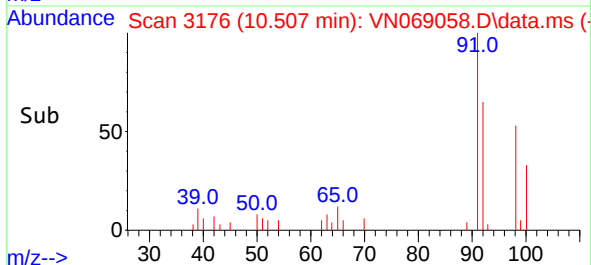
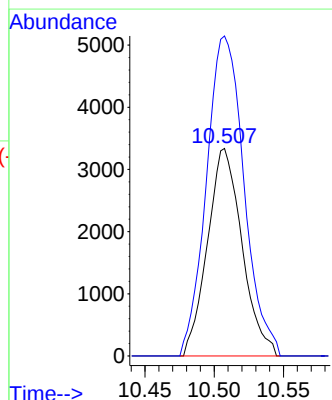
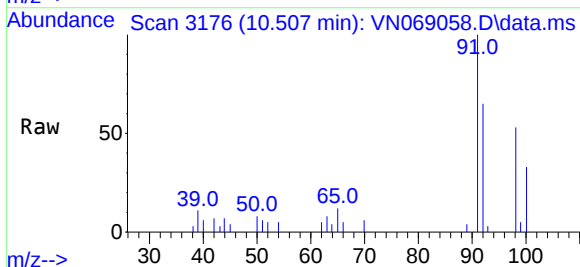
Instrument :
MSVOA_N
ClientSampled :

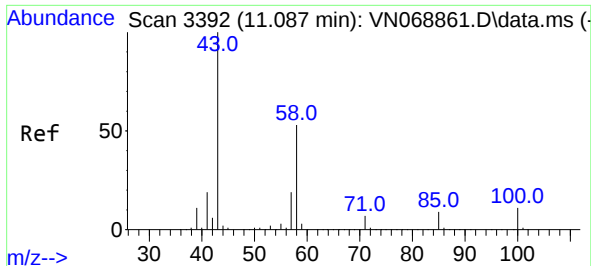
Tgt Ion: 43 Resp: 1245
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#



#52
Toluene
Concen: 0.580 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 92 Resp: 5796
Ion Ratio Lower Upper
92 100
91 167.7 138.5 207.7

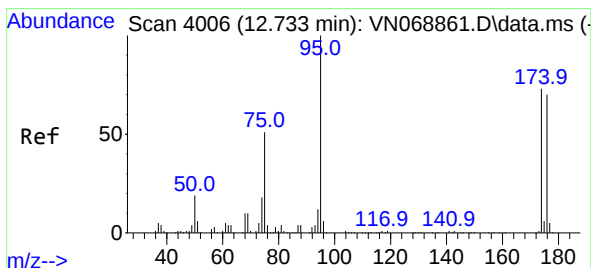
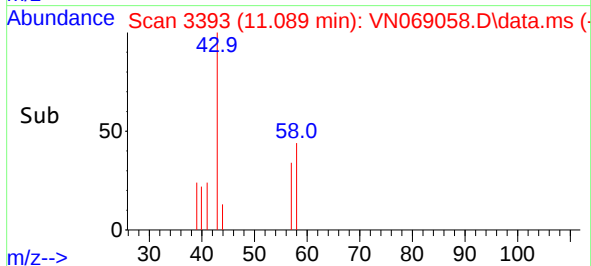
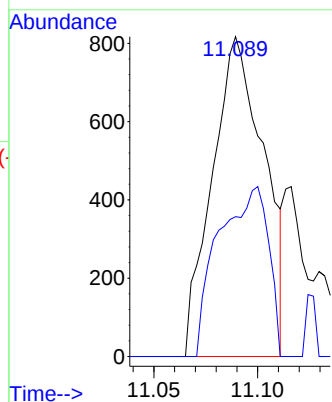
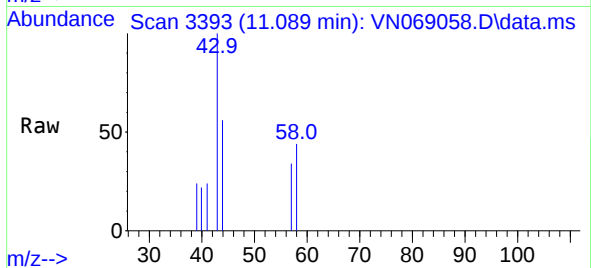




#59
2-Hexanone
Concen: 0.367 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

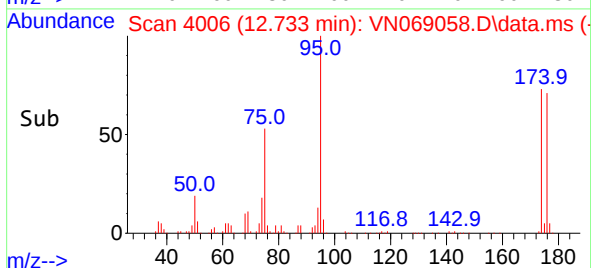
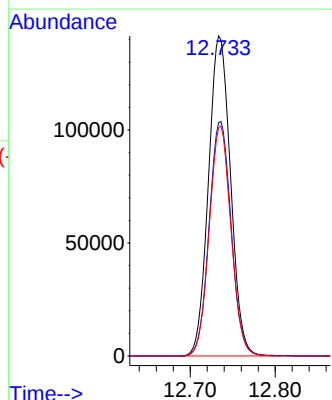
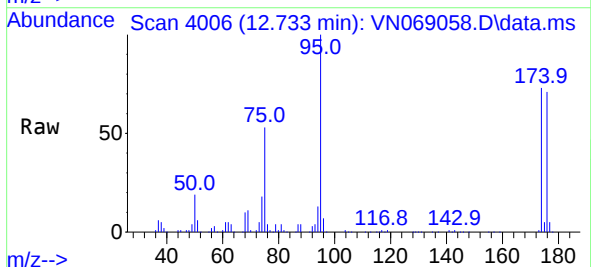
Instrument :
MSVOA_N
ClientSampled :

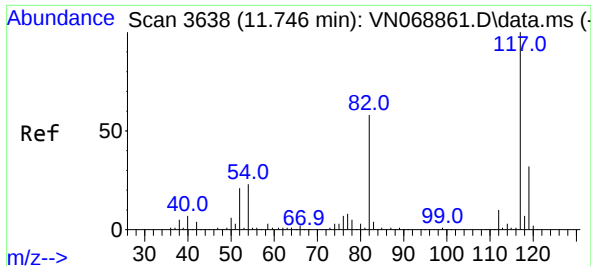
Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
58 50.9 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.692 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 95 Resp: 255444
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.8
176 70.7 0.0 140.0

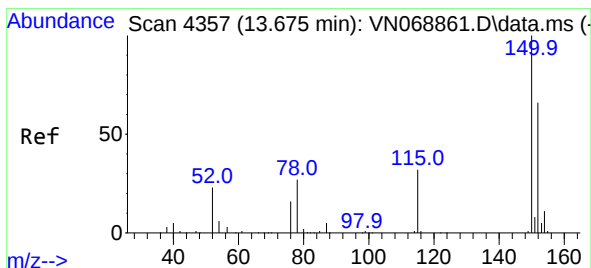
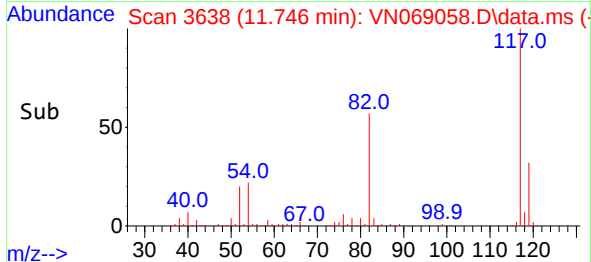
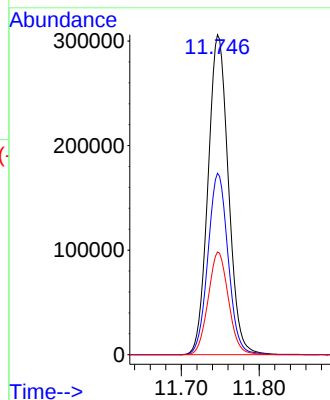
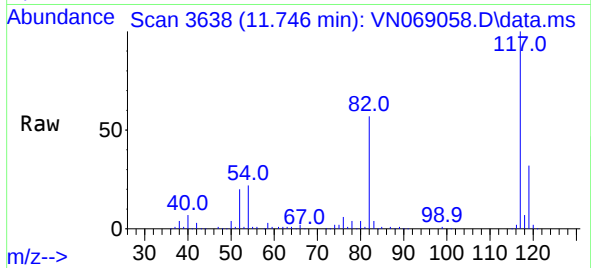




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

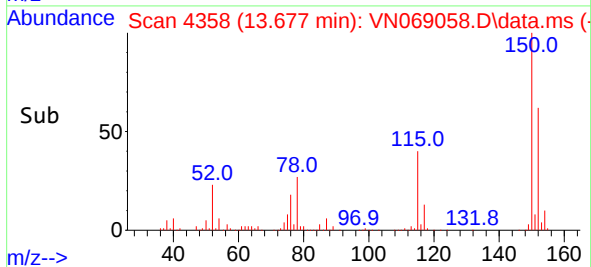
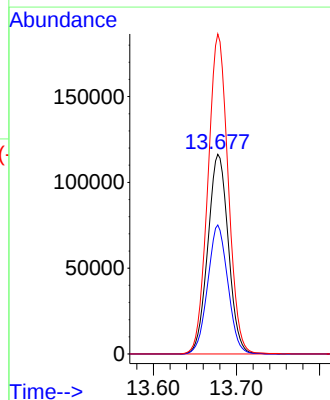
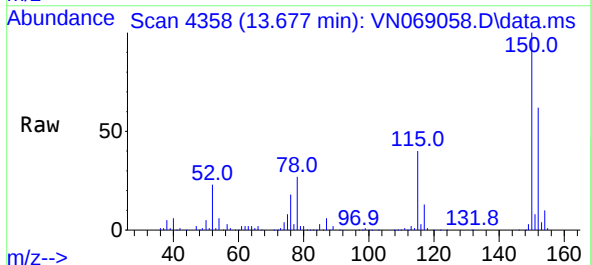
Instrument :
MSVOA_N
ClientSampled :

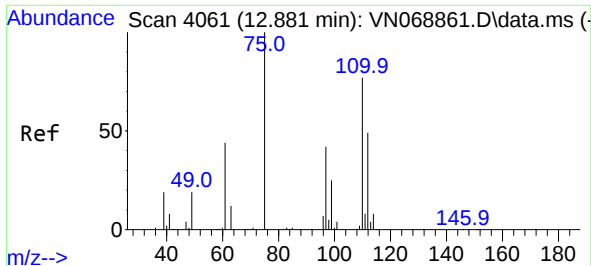
Tgt Ion:117 Resp: 556320
Ion Ratio Lower Upper
117 100
82 56.7 46.4 69.6
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion:152 Resp: 199455
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 158.0 0.0 351.0

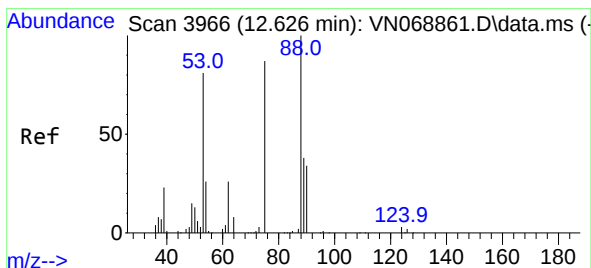
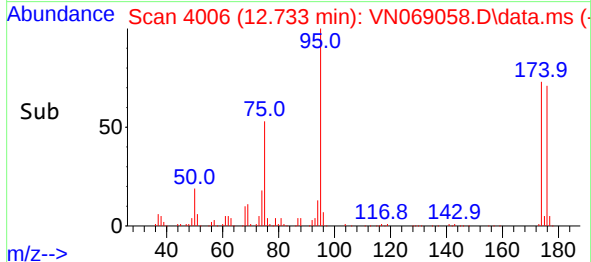
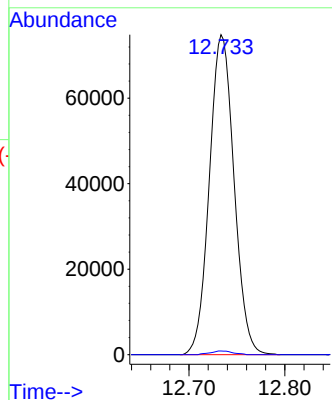
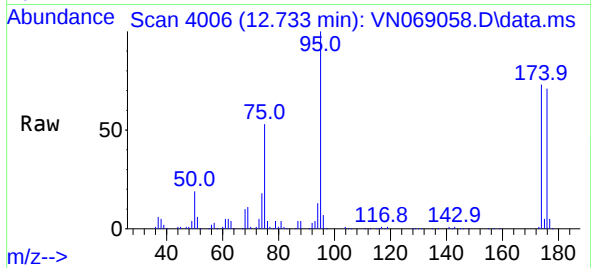




#76
1,2,3-Trichloropropane
Concen: 31.491 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

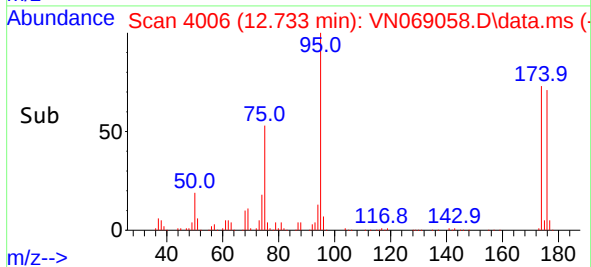
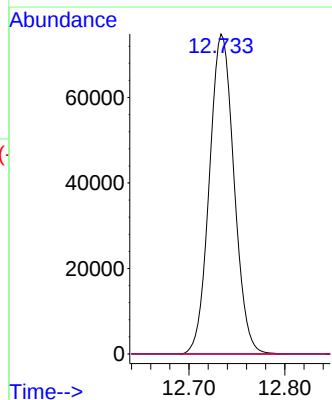
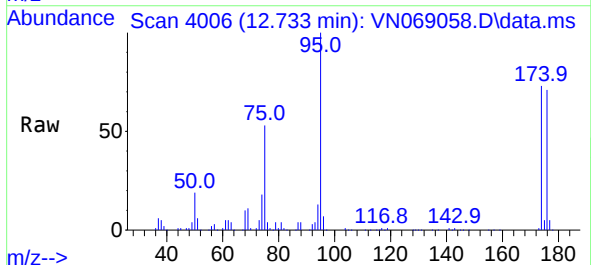
Instrument :
MSVOA_N
ClientSampled :

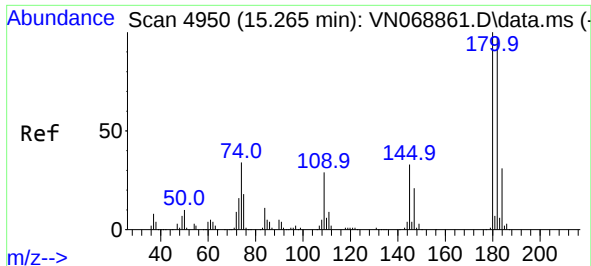
Tgt Ion: 75 Resp: 133641
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.339 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

Tgt Ion: 75 Resp: 133641
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

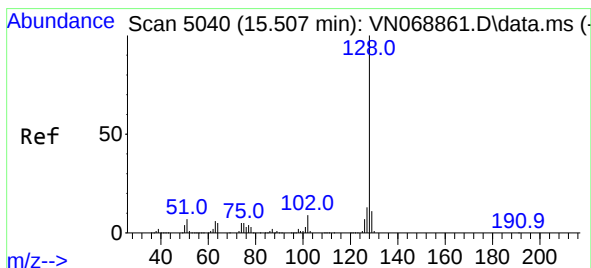
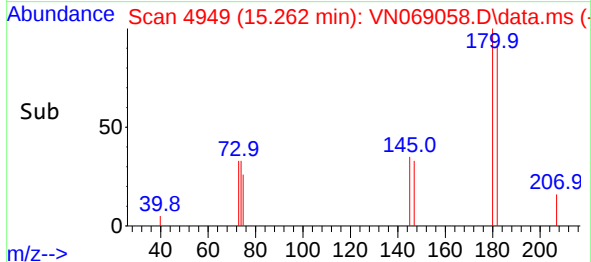
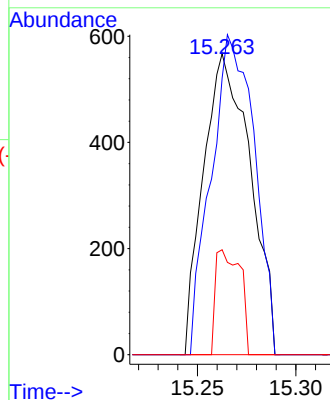
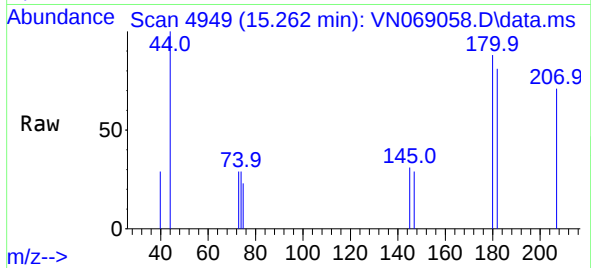




#93
1,2,4-Trichlorobenzene
Concen: 2.866 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

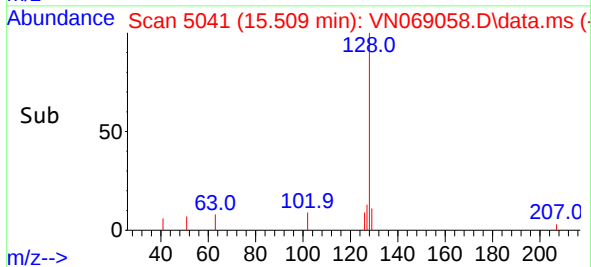
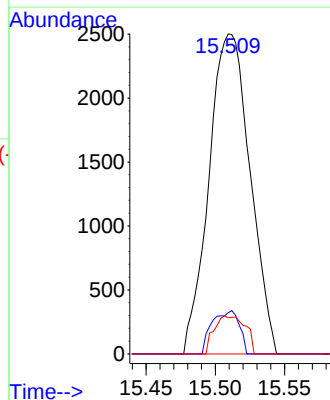
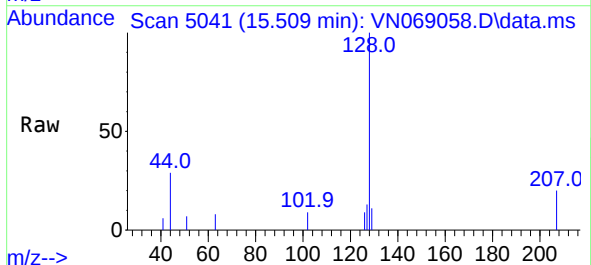
Instrument :
MSVOA_N
ClientSampleId :

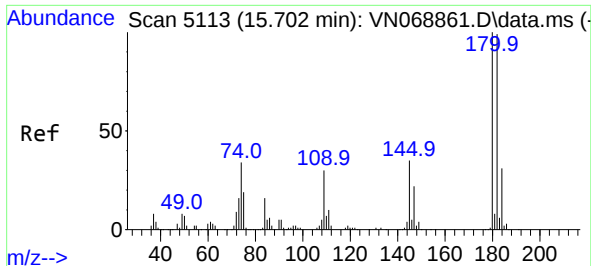
Tgt Ion:180 Resp: 936
Ion Ratio Lower Upper
180 100
182 98.6 47.9 143.7
145 18.3 16.4 49.2



#95
Naphthalene
Concen: 4.327 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069058.D
Acq: 20 Oct 2021 13:40

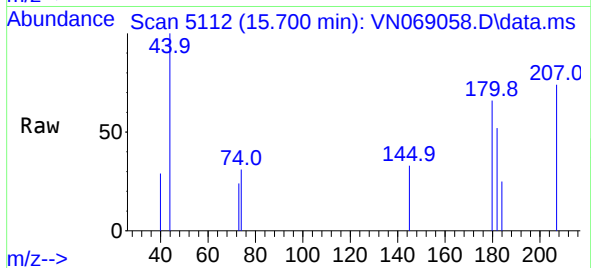
Tgt Ion:128 Resp: 5160
Ion Ratio Lower Upper
128 100
127 9.0 10.5 15.7#
129 9.0 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 2.782 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN069058.D
 Acq: 20 Oct 2021 13:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	901
Ion	Ratio	Lower	Upper
180	100		
182	90.2	48.1	144.3
145	23.3	17.4	52.2

