

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069000.D
 Acq On : 19 Oct 2021 00:48
 Operator : JC/MD
 Sample : M4268-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 09:58:48 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	336019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	582252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	527668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	188909	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	212937	48.064	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.120%
35) Dibromofluoromethane	8.024	113	168460	49.728	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.460%
50) Toluene-d8	10.443	98	710770	52.439	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.880%
62) 4-Bromofluorobenzene	12.733	95	243288	47.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.140%

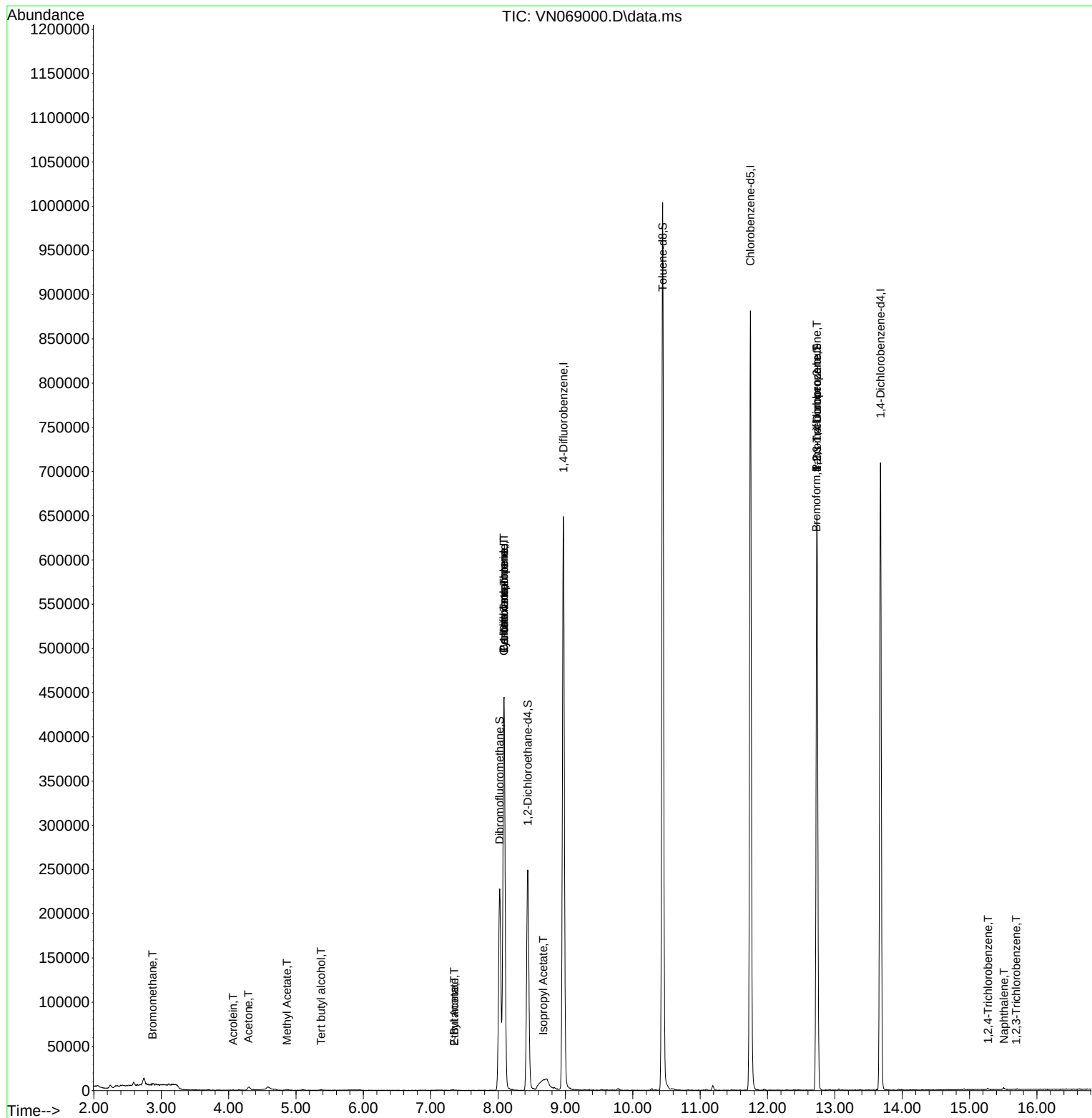
Target Compounds				Qvalue		
5) Bromomethane	2.872	94	581	0.253	ug/l	100
11) Tert butyl alcohol	5.371	59	941	1.162	ug/l #	72
13) Acrolein	4.065	56	184	0.514	ug/l #	30
16) Acetone	4.293	43	6504	3.934	ug/l	97
18) Methyl Acetate	4.867	43	2320	0.370	ug/l #	68
25) 2-Butanone	7.351	43	1059	0.424	ug/l #	48
31) Cyclohexane	8.086	56	7846	1.139	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	27917	5.613	ug/l #	49
37) Ethyl Acetate	7.351	43	1059	0.206	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34120	6.247	ug/l #	16
43) Isopropyl Acetate	8.670	43	19153	2.113	ug/l #	55
71) Bromoform	12.728	173	680	0.217	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	126563	31.488	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	126563	75.332	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.273	180	512	2.754	ug/l #	43
95) Naphthalene	15.509	128	2337	4.058	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.692	180	55	2.531	ug/l #	1

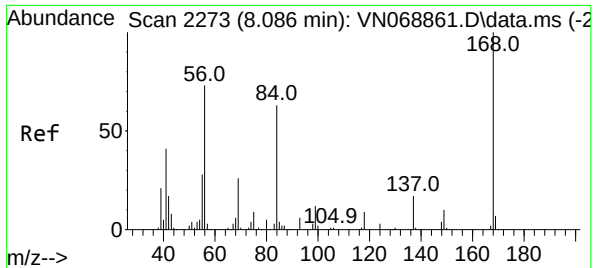
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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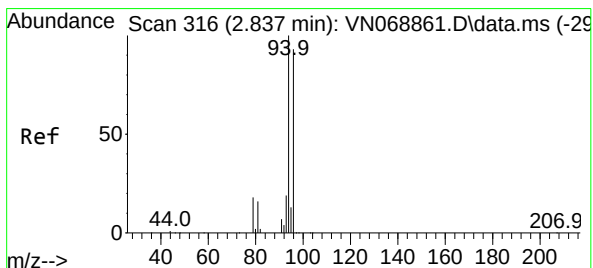
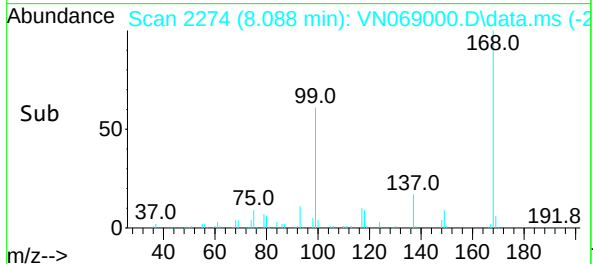
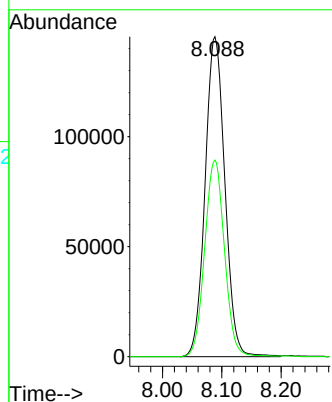
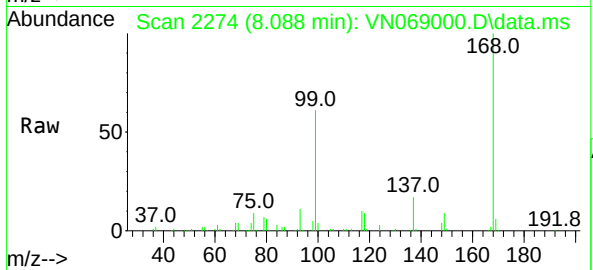




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

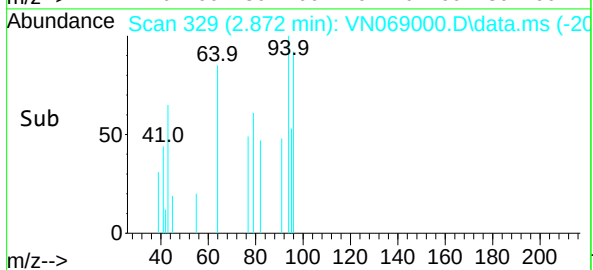
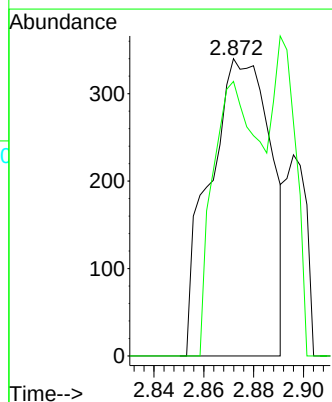
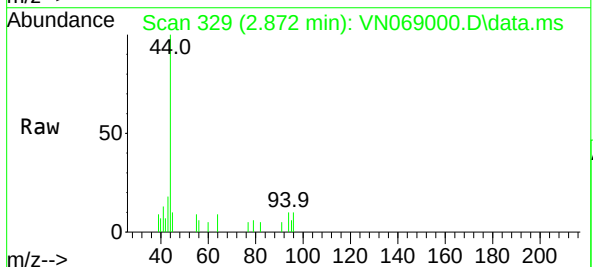
Instrument :
MSVOA_N
ClientSampled :

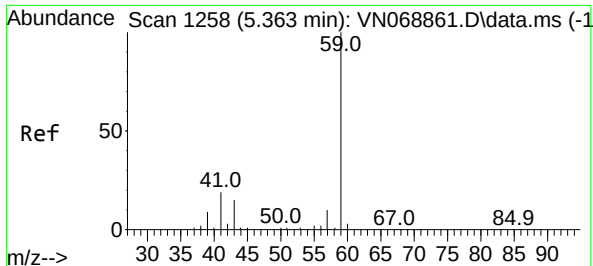
Tgt Ion:168 Resp: 336019
Ion Ratio Lower Upper
168 100
99 61.5 48.9 73.3



#5
Bromomethane
Concen: 0.253 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.035 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 94 Resp: 581
Ion Ratio Lower Upper
94 100
96 92.4 74.2 111.4



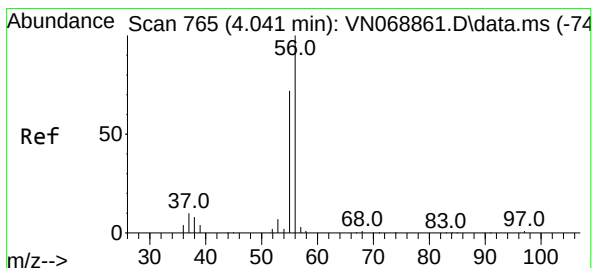
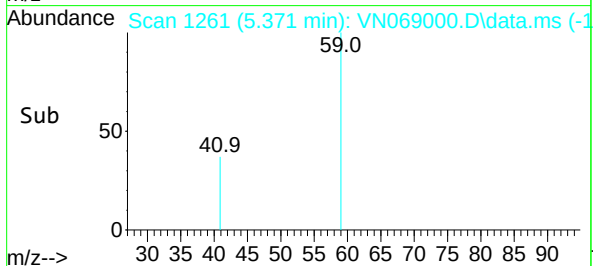
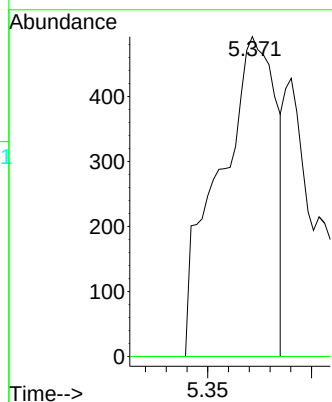
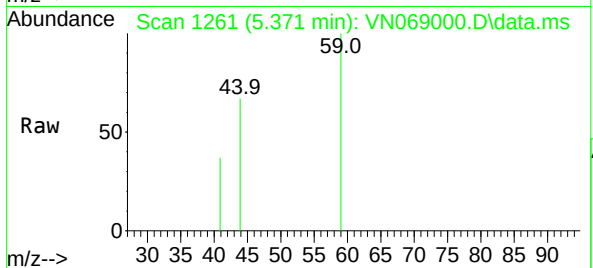


#11

Tert butyl alcohol
Concen: 1.162 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. 0.008 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Instrument :
MSVOA_N
ClientSampled :

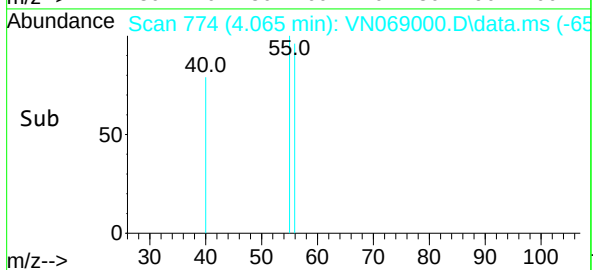
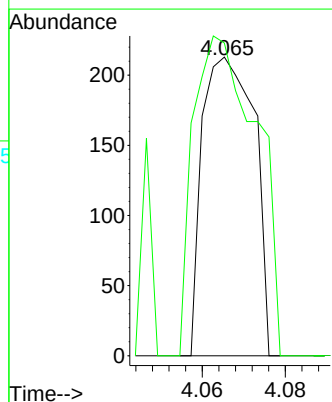
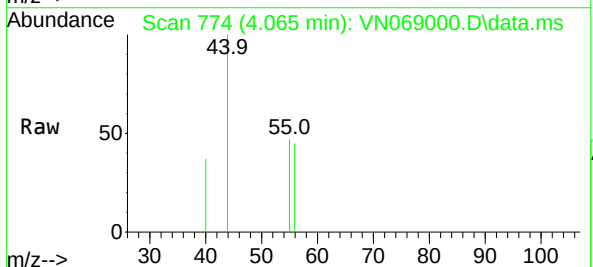
Tgt Ion: 59 Resp: 941
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

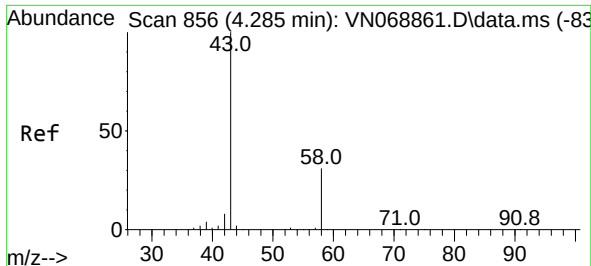


#13

Acrolein
Concen: 0.514 ug/l
RT: 4.065 min Scan# 774
Delta R.T. 0.024 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 131.0 58.1 87.1#

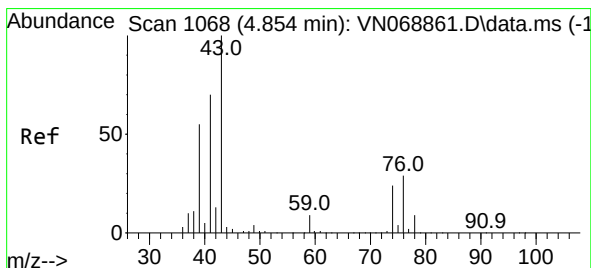
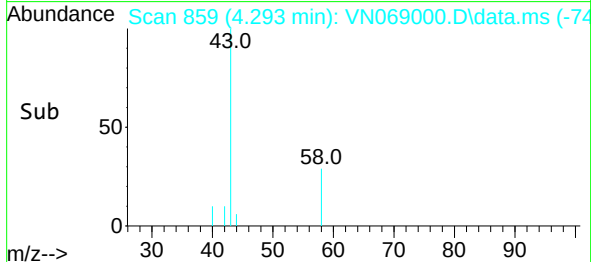
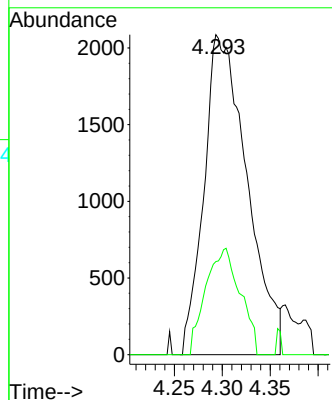
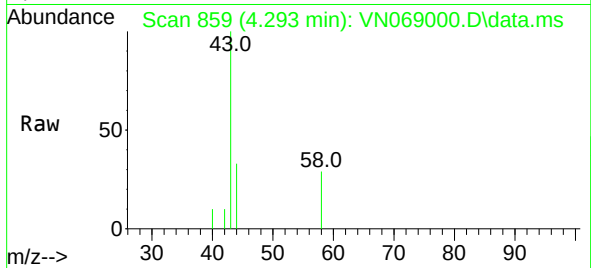




#16
Acetone
Concen: 3.934 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

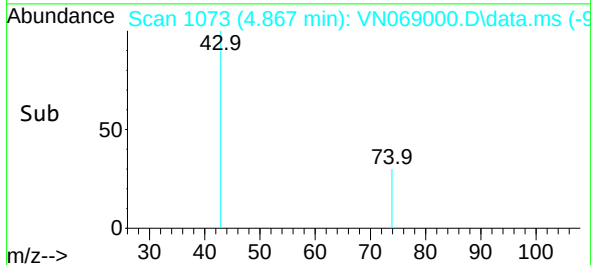
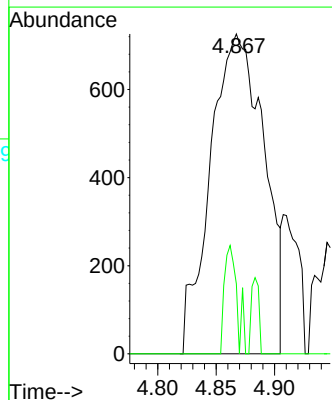
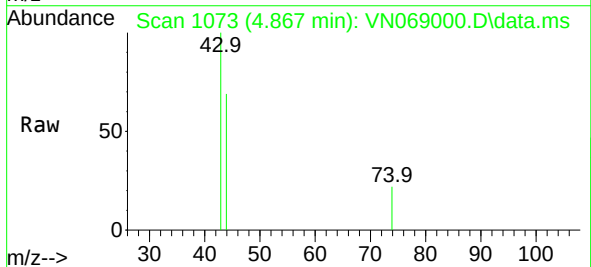
Instrument :
MSVOA_N
ClientSampled :

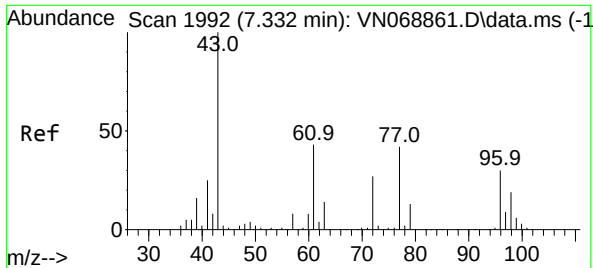
Tgt Ion: 43 Resp: 6504
Ion Ratio Lower Upper
43 100
58 29.1 24.5 36.7



#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
74 7.9 18.9 28.3#

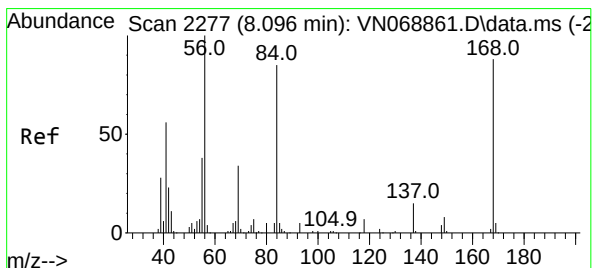
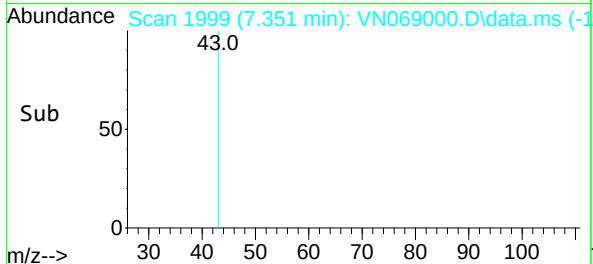
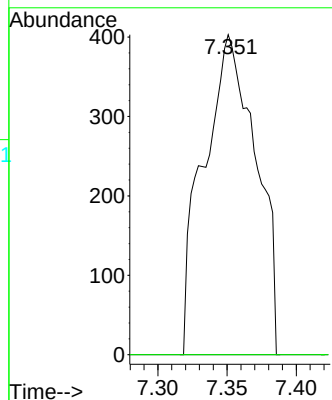
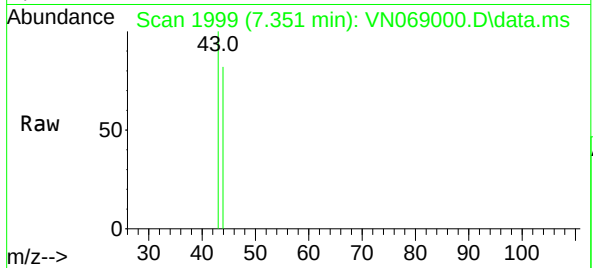




#25
2-Butanone
Concen: 0.424 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

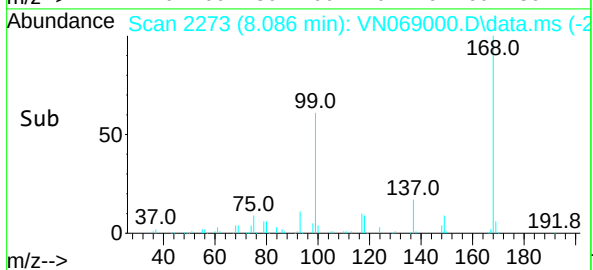
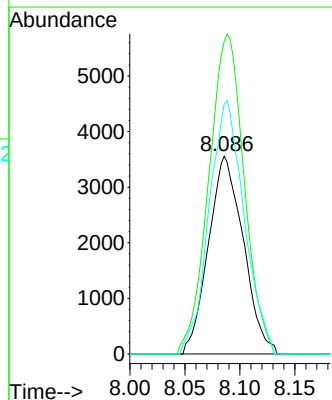
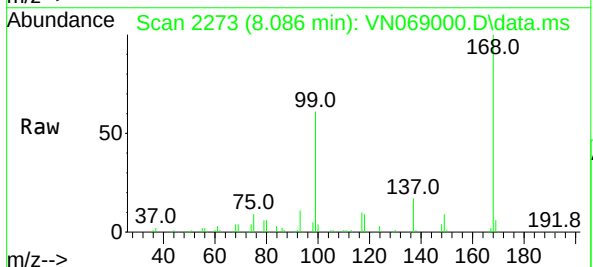
Instrument :
MSVOA_N
ClientSampled :

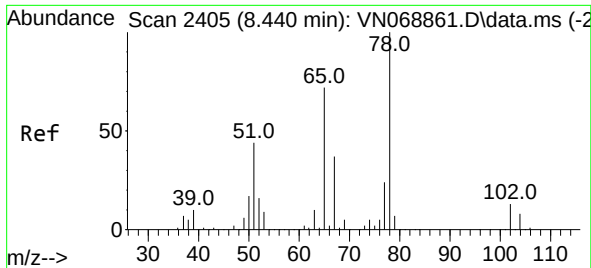
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 56 Resp: 7846
Ion Ratio Lower Upper
56 100
69 158.0 26.9 40.3#
84 126.3 67.6 101.4#

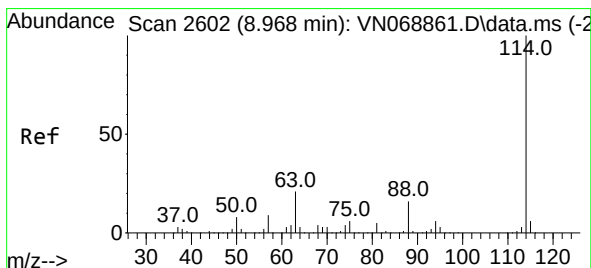
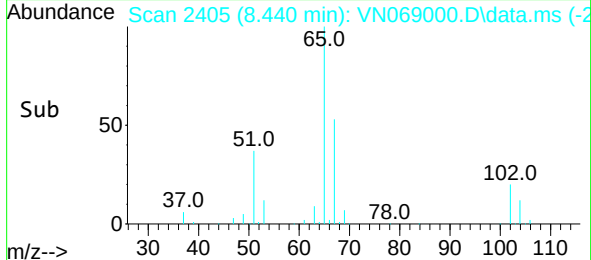
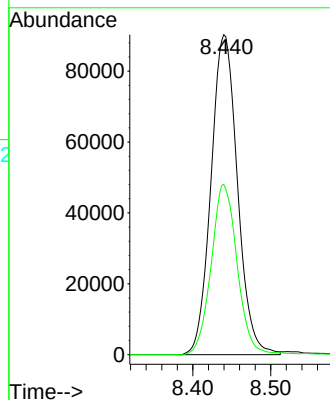
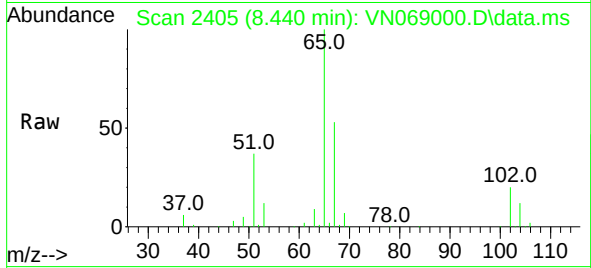




#33
 1,2-Dichloroethane-d4
 Concen: 48.064 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069000.D
 Acq: 19 Oct 2021 00:48

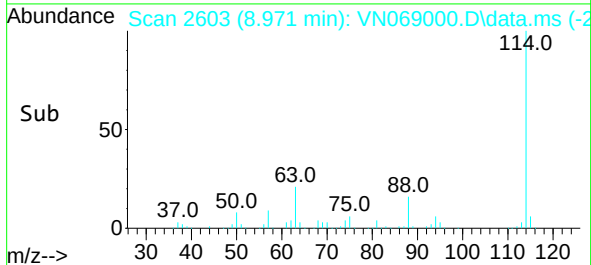
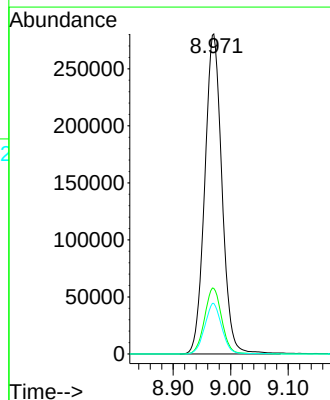
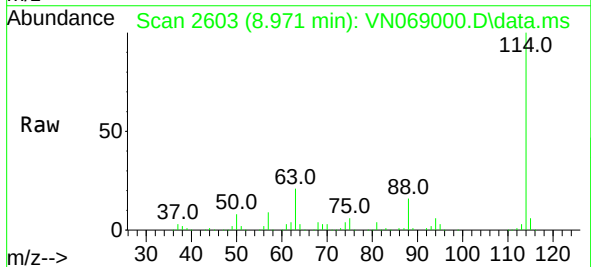
Instrument :
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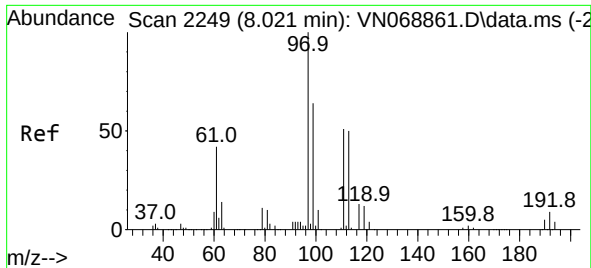
Tgt Ion: 65 Resp: 212937
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069000.D
 Acq: 19 Oct 2021 00:48

Tgt Ion: 114 Resp: 582252
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.8 0.0 32.0

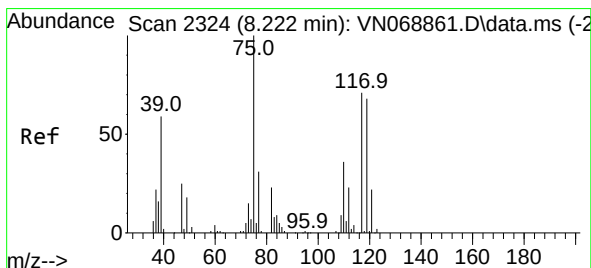
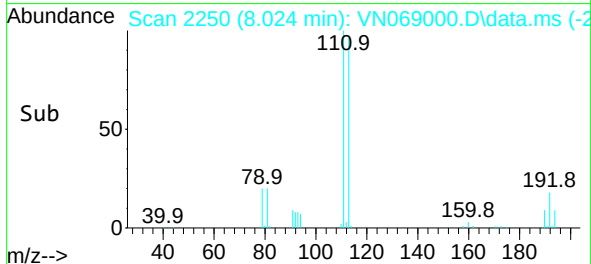
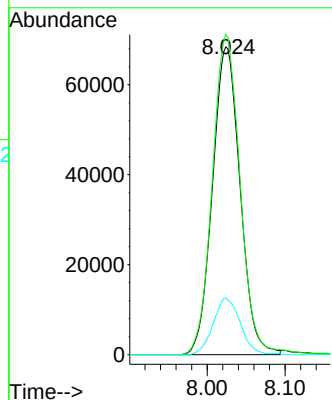
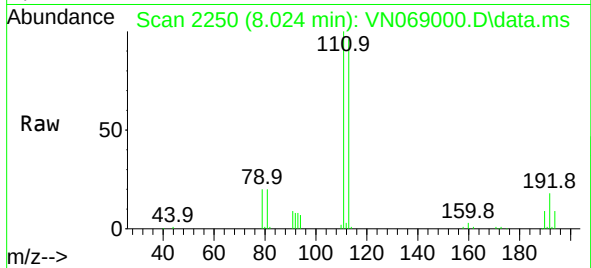




#35
Dibromofluoromethane
Concen: 49.728 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

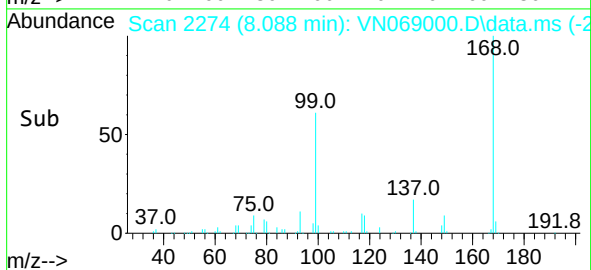
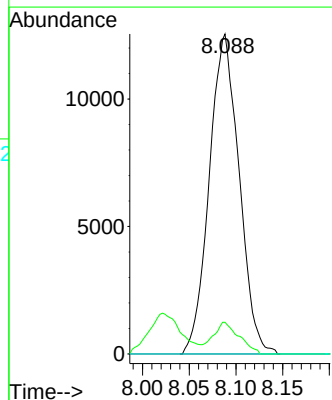
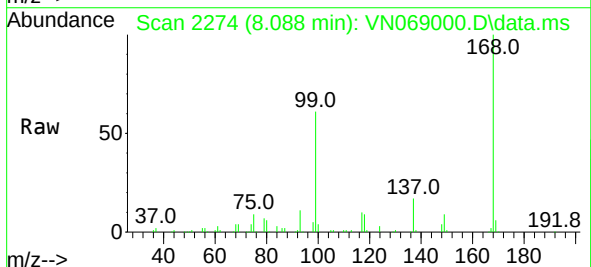
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MSVOA_N
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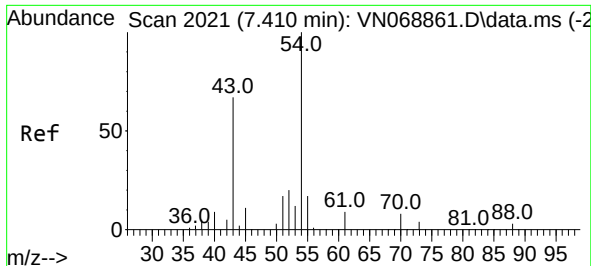
Tgt Ion:113 Resp: 168460
Ion Ratio Lower Upper
113 100
111 104.8 83.2 124.8
192 18.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.613 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 75 Resp: 27917
Ion Ratio Lower Upper
75 100
110 8.7 17.9 53.8#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.206 ug/l

RT: 7.351 min Scan# 1999

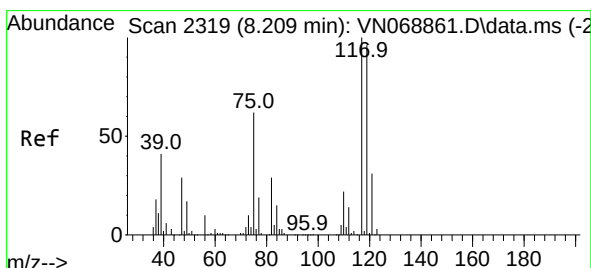
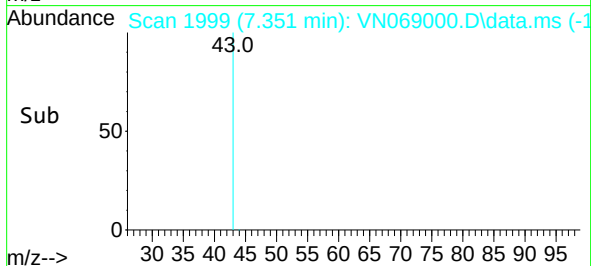
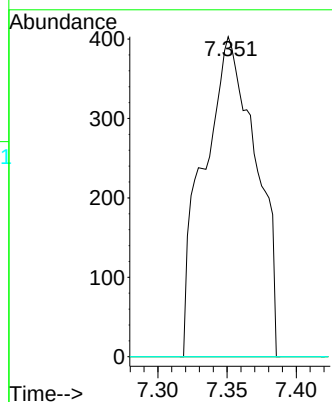
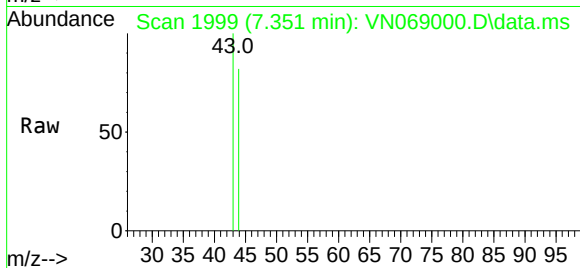
Delta R.T. -0.059 min

Lab File: VN069000.D

Acq: 19 Oct 2021 00:48

Tgt Ion:	43	Resp:	1059
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.247 ug/l

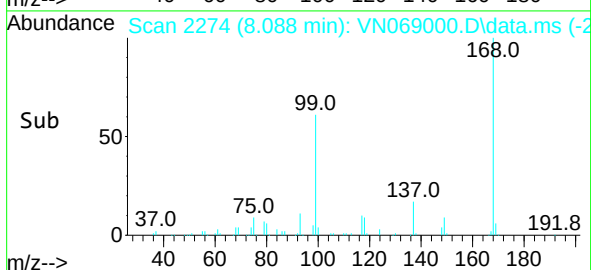
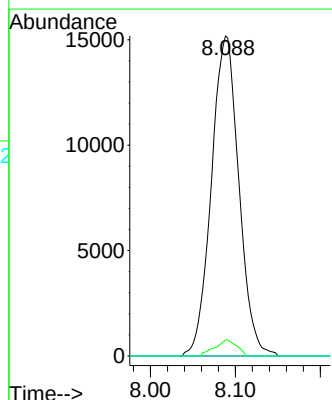
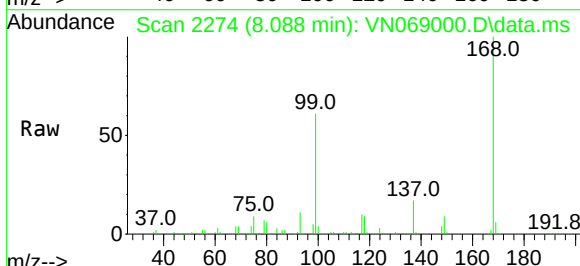
RT: 8.088 min Scan# 2274

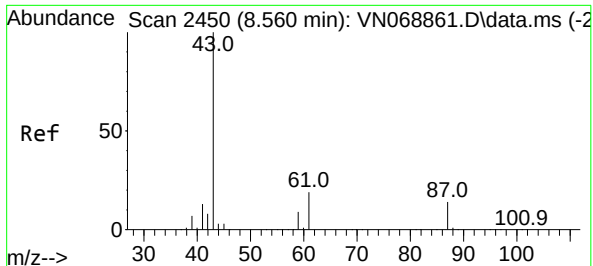
Delta R.T. -0.121 min

Lab File: VN069000.D

Acq: 19 Oct 2021 00:48

Tgt Ion:	117	Resp:	34120
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	0.0	24.6	37.0#

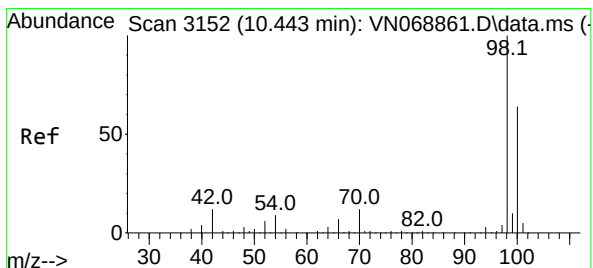
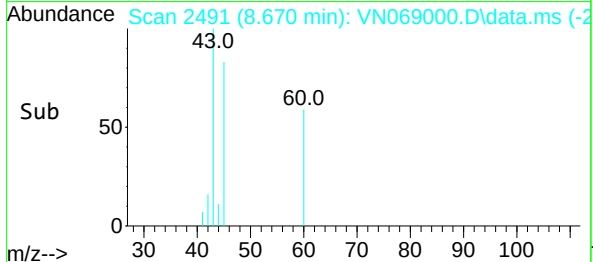
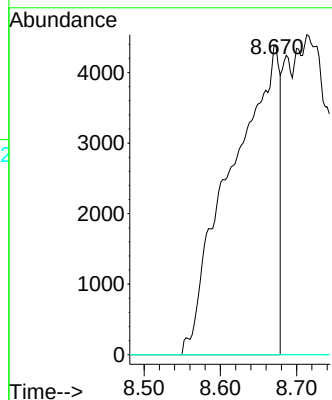
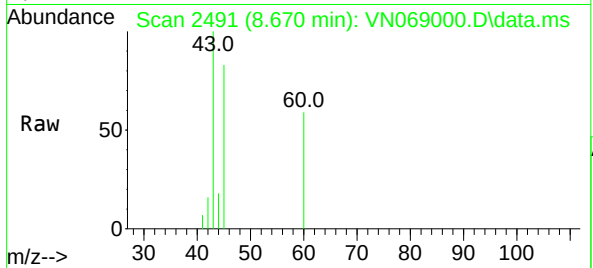




#43
Isopropyl Acetate
Concen: 2.113 ug/l
RT: 8.670 min Scan# 2491
Delta R.T. 0.110 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

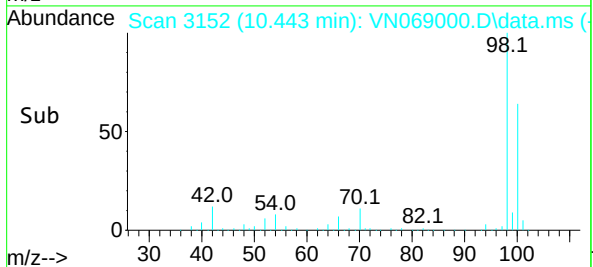
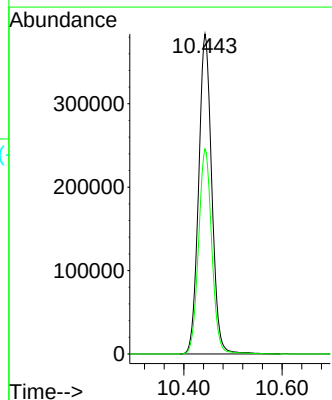
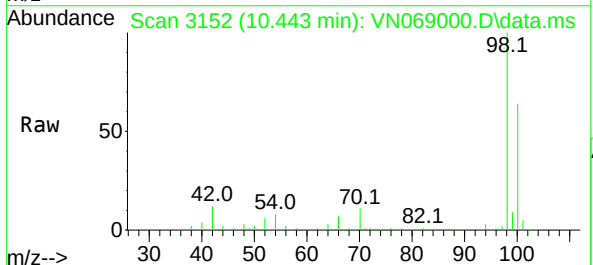
Instrument :
MSVOA_N
ClientSampled :

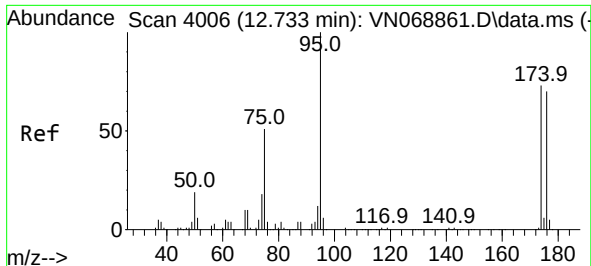
Tgt Ion: 43 Resp: 19153
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.439 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 98 Resp: 710770
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3

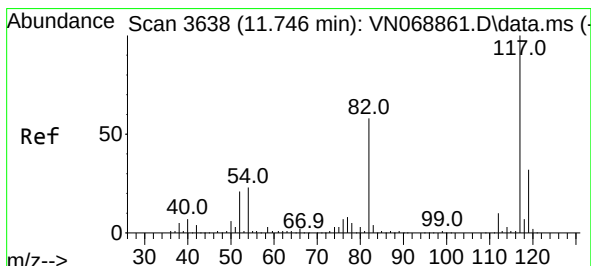
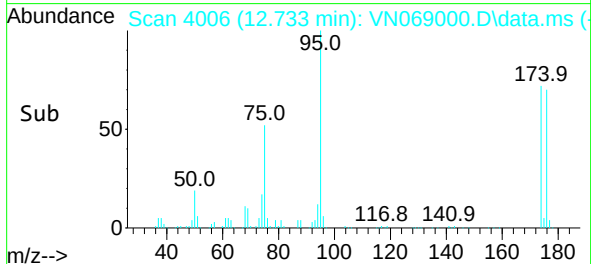
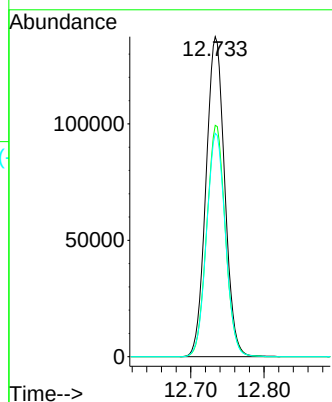
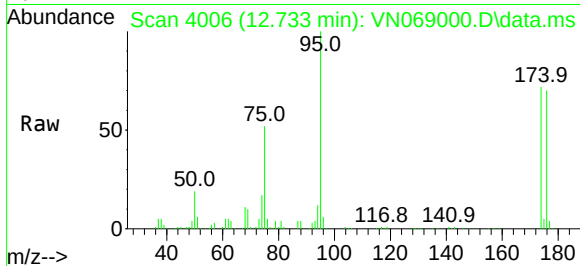




#62
4-Bromofluorobenzene
Concen: 47.574 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

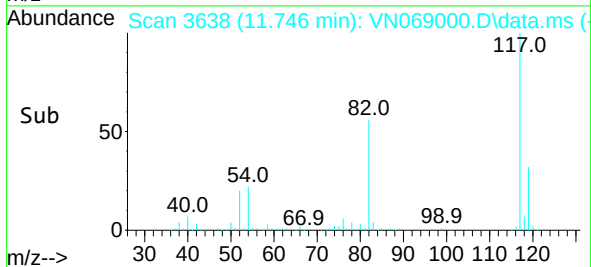
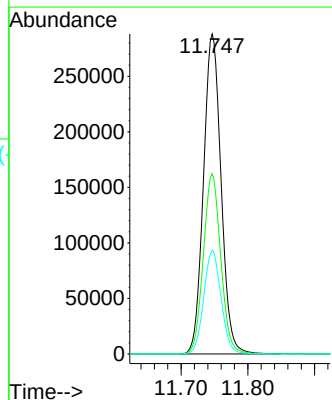
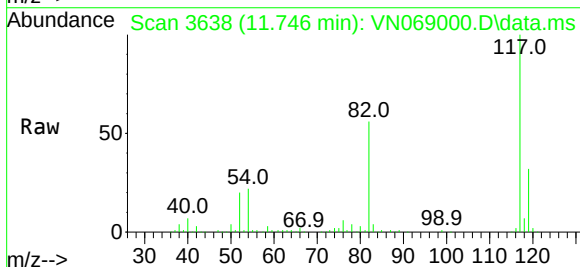
Instrument :
MSVOA_N
ClientSampled :

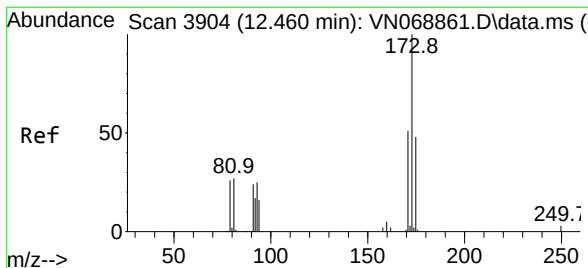
Tgt Ion: 95 Resp: 243288
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 70.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 117 Resp: 527668
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.4 26.0 39.0

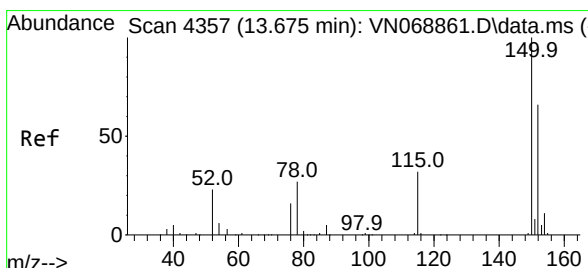
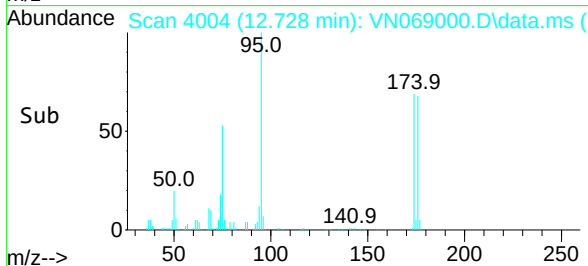
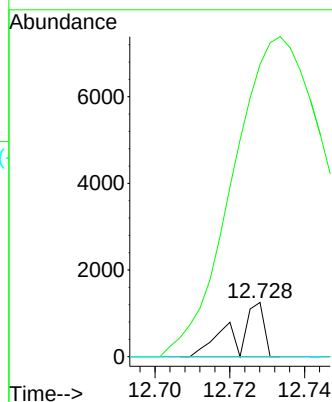
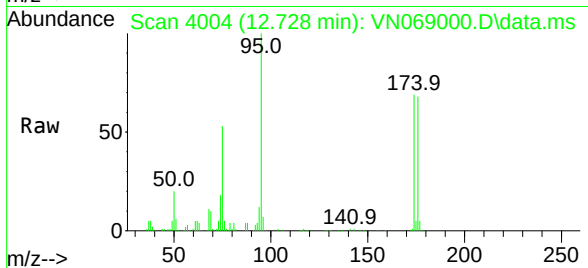




#71
Bromoform
Concen: 0.217 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

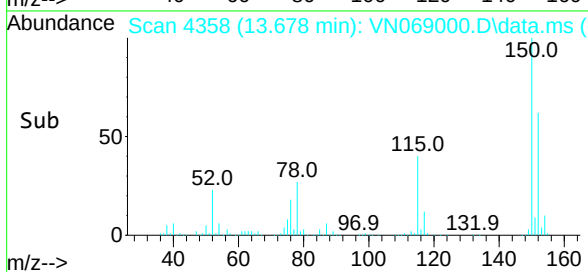
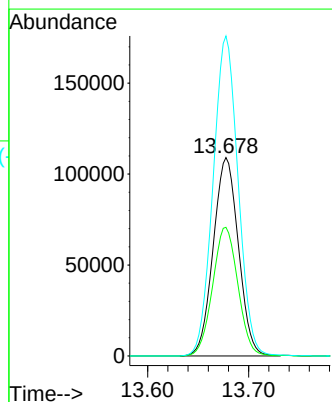
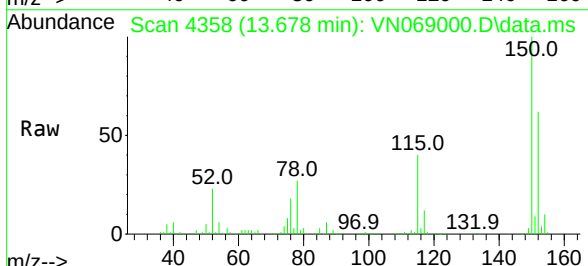
Instrument :
MSVOA_N
ClientSampled :

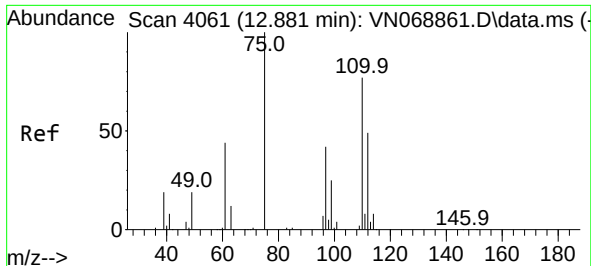
Tgt Ion:173 Resp: 680
Ion Ratio Lower Upper
173 100
175 1789.3 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion:152 Resp: 188909
Ion Ratio Lower Upper
152 100
115 65.1 31.4 94.3
150 160.3 0.0 351.0

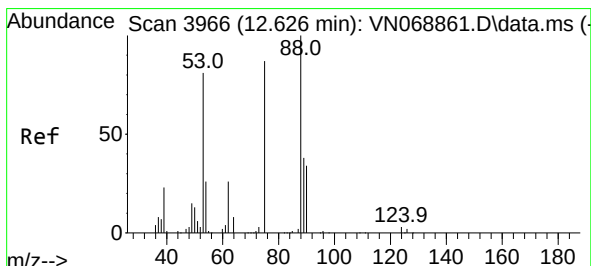
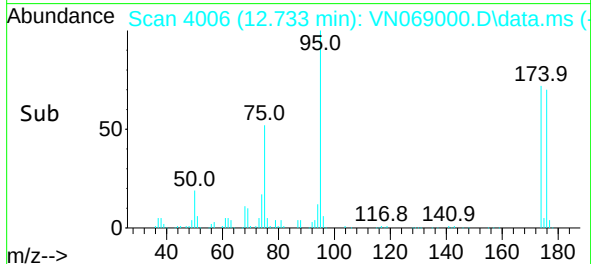
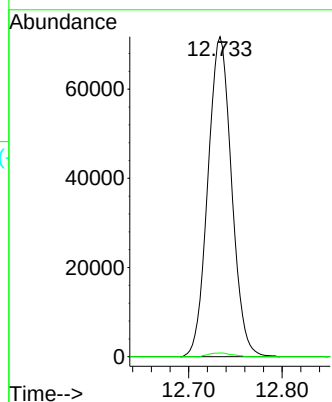
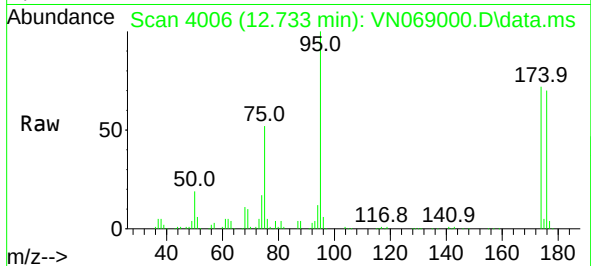




#76
1,2,3-Trichloropropane
Concen: 31.488 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

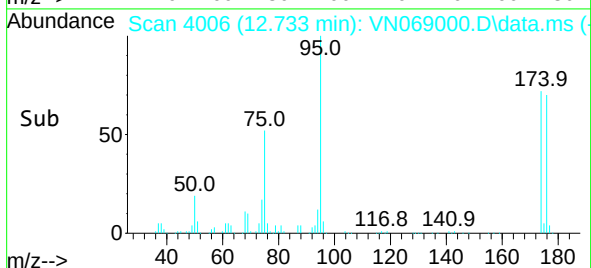
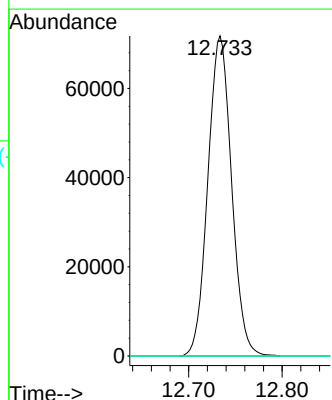
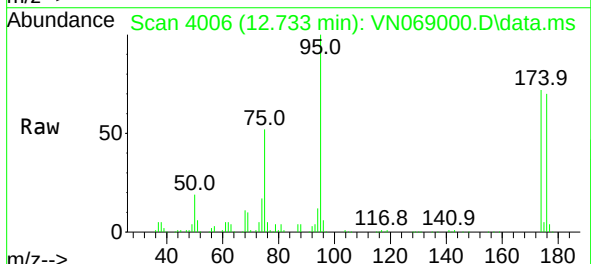
Instrument :
MSVOA_N
ClientSampled :

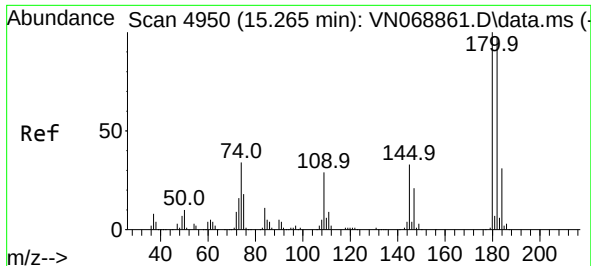
Tgt Ion: 75 Resp: 126563
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.332 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

Tgt Ion: 75 Resp: 126563
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

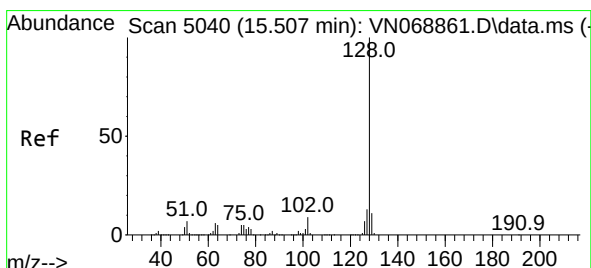
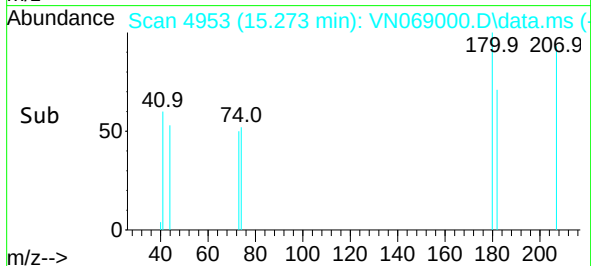
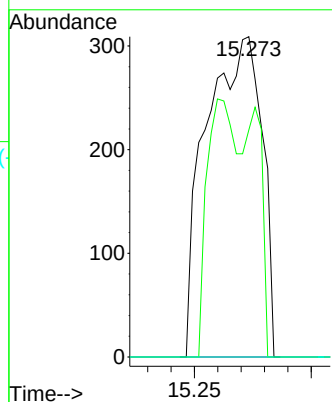
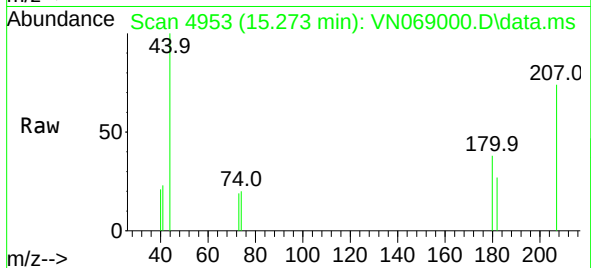




#93
1,2,4-Trichlorobenzene
Concen: 2.754 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

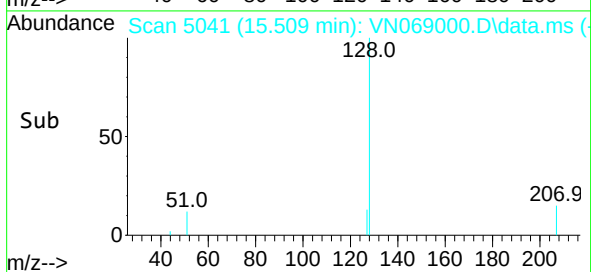
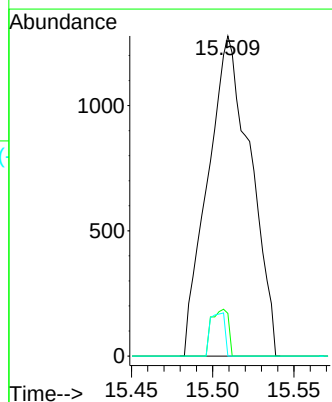
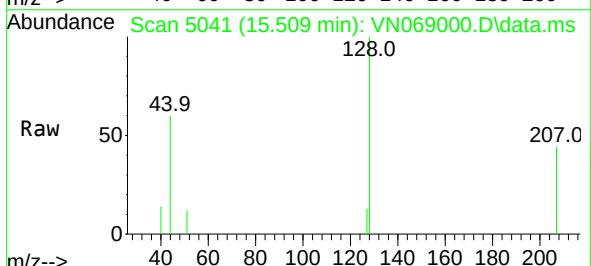
Instrument :
MSVOA_N
ClientSampled :

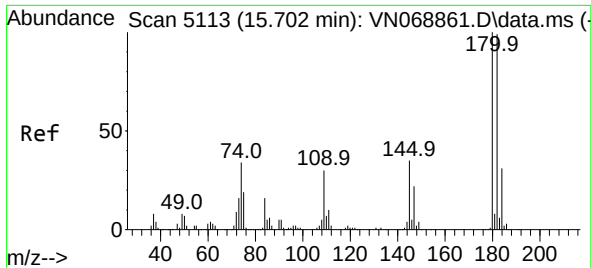
Tgt Ion:180 Resp: 512
Ion Ratio Lower Upper
180 100
182 40.8 47.9 143.7#
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 4.058 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069000.D
Acq: 19 Oct 2021 00:48

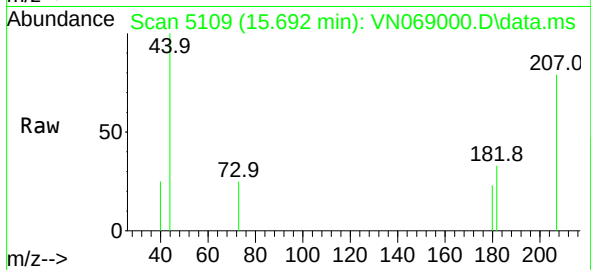
Tgt Ion:128 Resp: 2337
Ion Ratio Lower Upper
128 100
127 5.8 10.5 15.7#
129 4.5 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.531 ug/l
 RT: 15.692 min Scan# 5109
 Delta R.T. -0.010 min
 Lab File: VN069000.D
 Acq: 19 Oct 2021 00:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	55
Ion	Ratio	Lower	Upper
180	100		
182	454.5	48.1	144.3#
145	0.0	17.4	52.2#

