

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069048.D
 Acq On : 20 Oct 2021 1:46
 Operator : JC/MD
 Sample : M4286-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:52:37 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)

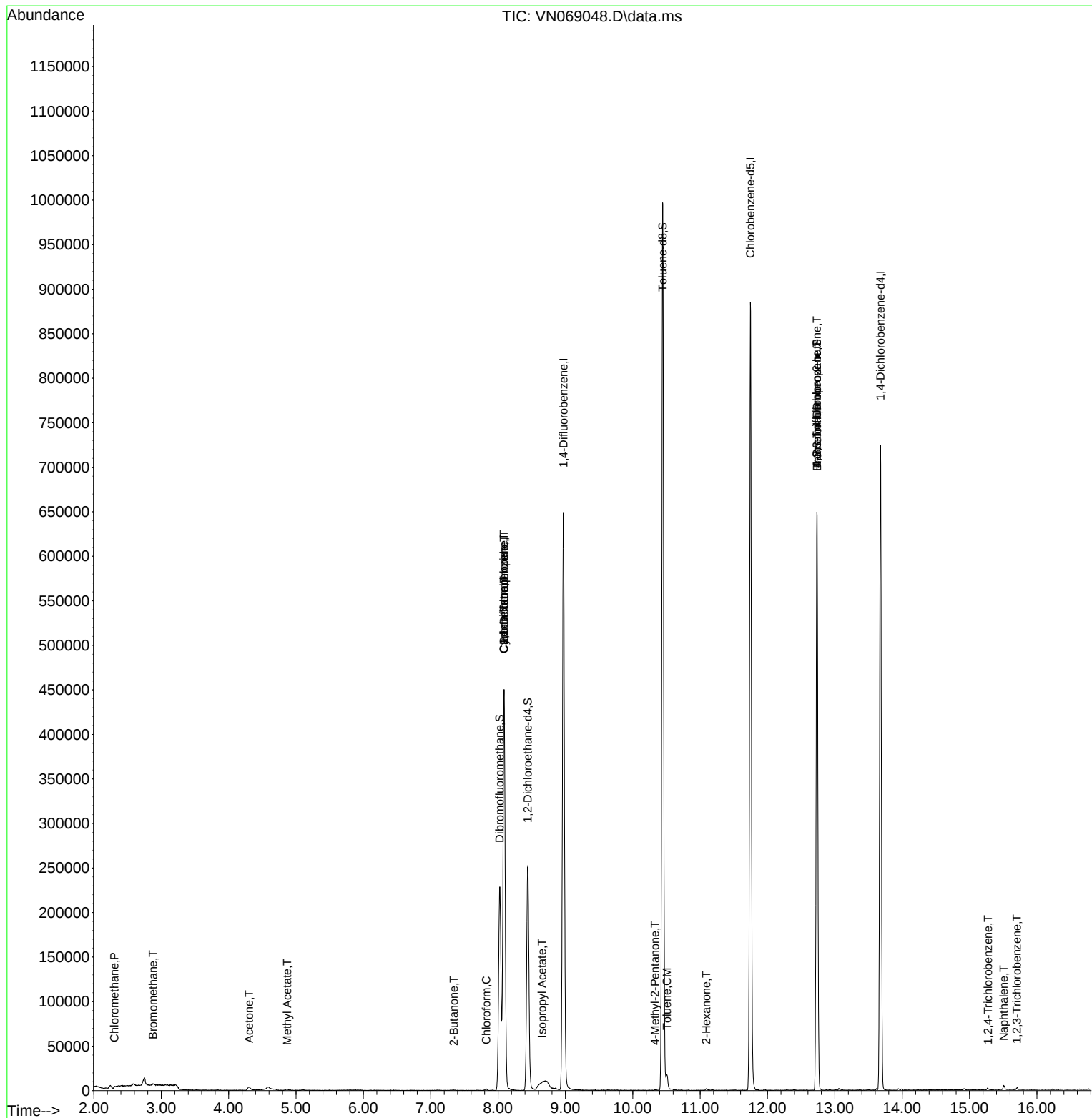
Internal Standards						
1) Pentafluorobenzene	8.088	168	335272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	582346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	528699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	193168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	217832	49.278	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.560%		
35) Dibromofluoromethane	8.024	113	170777	50.404	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.800%		
50) Toluene-d8	10.443	98	717910	52.957	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.920%		
62) 4-Bromofluorobenzene	12.733	95	237431	46.421	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.840%		
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	893	0.218	ug/l	90
5) Bromomethane	2.877	94	533	0.233	ug/l #	57
16) Acetone	4.304	43	6823	4.136	ug/l	98
18) Methyl Acetate	4.870	43	2367	0.378	ug/l #	73
25) 2-Butanone	7.343	43	508	0.204	ug/l #	48
30) Chloroform	7.825	83	1700	0.246	ug/l	88
31) Cyclohexane	8.085	56	7611	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27720	5.573	ug/l #	49
38) Carbon Tetrachloride	8.085	117	35451	6.489	ug/l #	15
43) Isopropyl Acetate	8.654	43	12420	1.370	ug/l #	55
51) 4-Methyl-2-Pentanone	10.330	43	1098	0.209	ug/l #	36
52) Toluene	10.505	92	5433	0.558	ug/l	98
59) 2-Hexanone	11.089	43	1623	0.431	ug/l	81
71) Bromoform	12.736	173	659	0.210	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	125649	30.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	125649	73.139	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.273	180	711	2.809	ug/l	93
95) Naphthalene	15.507	128	5159	4.343	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.702	180	881	2.785	ug/l	96

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

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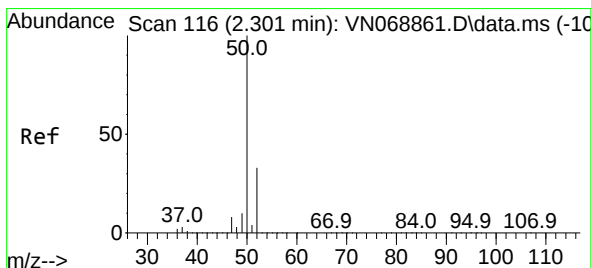
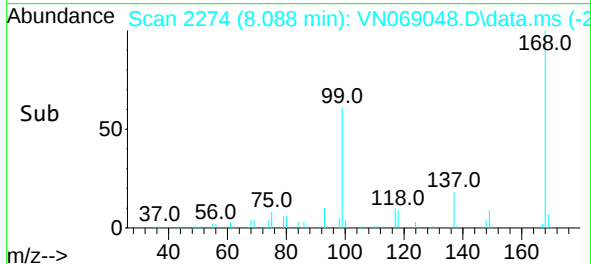
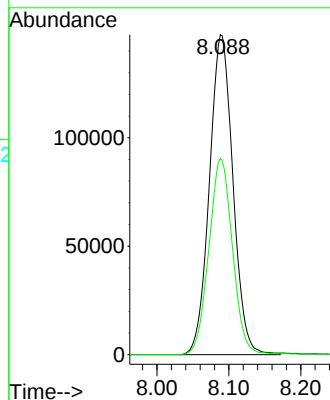
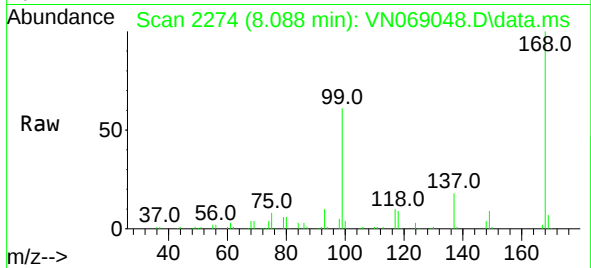




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

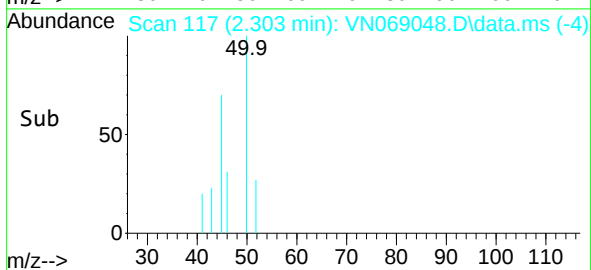
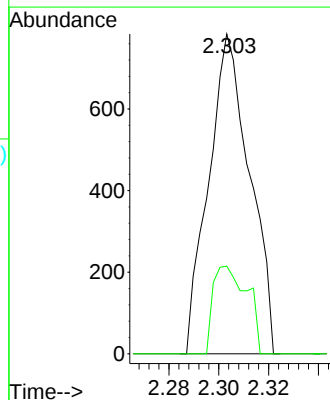
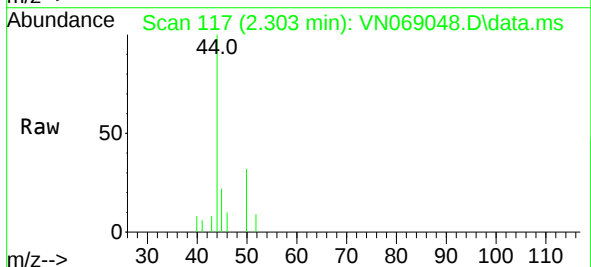
Instrument :
MSVOA_N
ClientSampled :

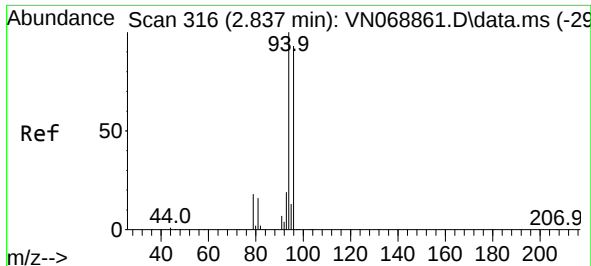
Tgt Ion:168 Resp: 335272
Ion Ratio Lower Upper
168 100
99 61.4 48.9 73.3



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 50 Resp: 893
Ion Ratio Lower Upper
50 100
52 27.4 26.3 39.5

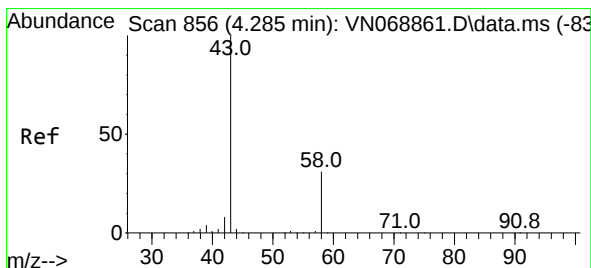
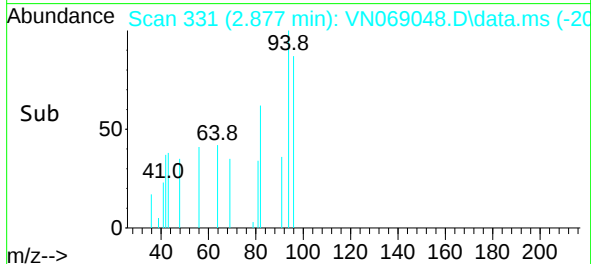
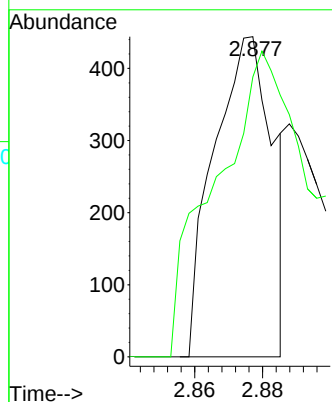
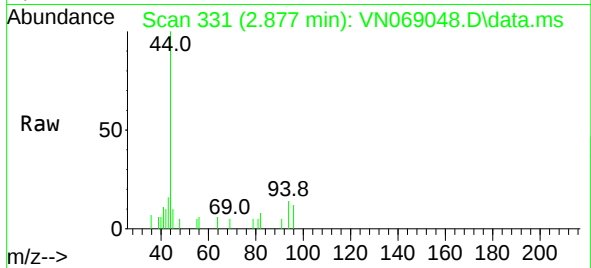




#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

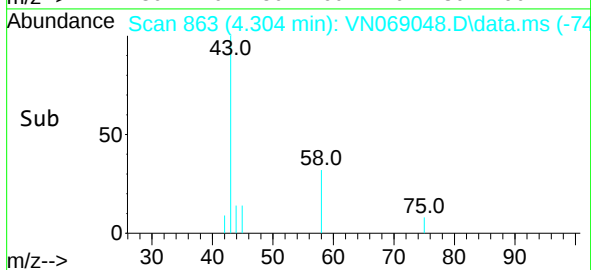
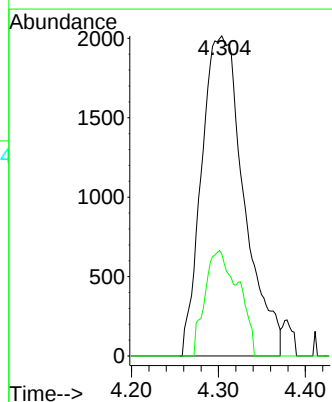
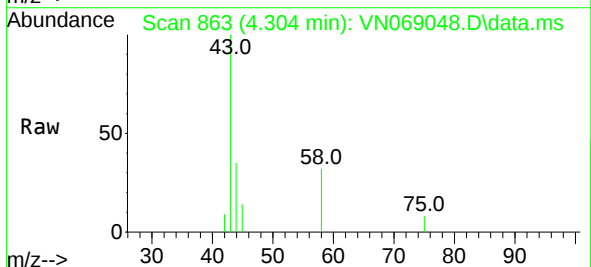
Instrument :
MSVOA_N
ClientSampled :

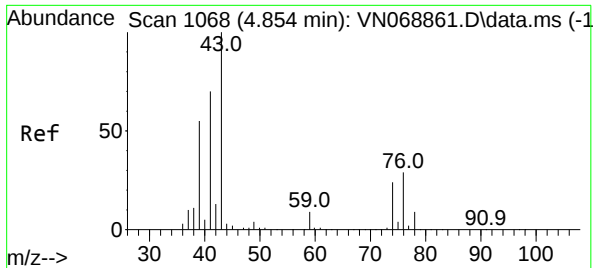
Tgt Ion: 94 Resp: 533
Ion Ratio Lower Upper
94 100
96 51.1 74.2 111.4#



#16
Acetone
Concen: 4.136 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 43 Resp: 6823
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7

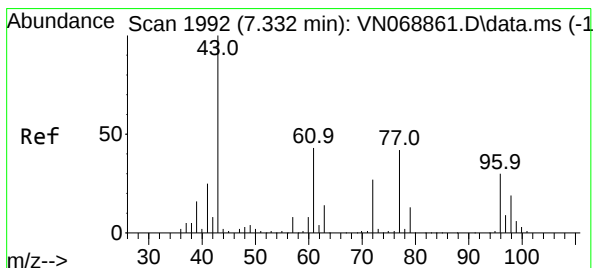
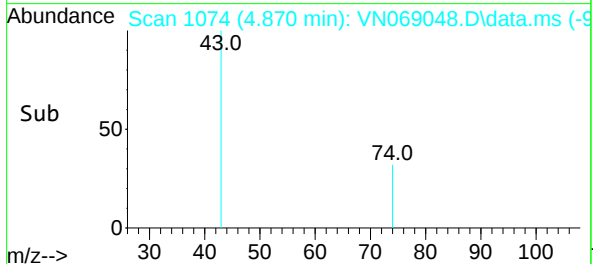
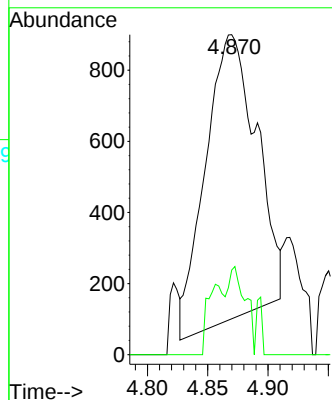
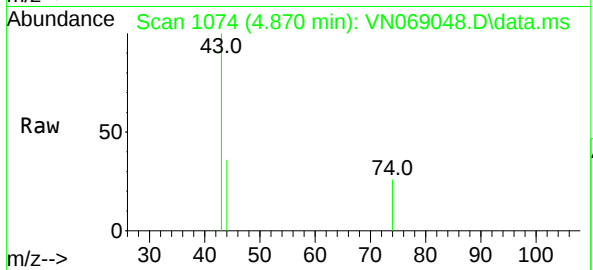




#18
Methyl Acetate
Concen: 0.378 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

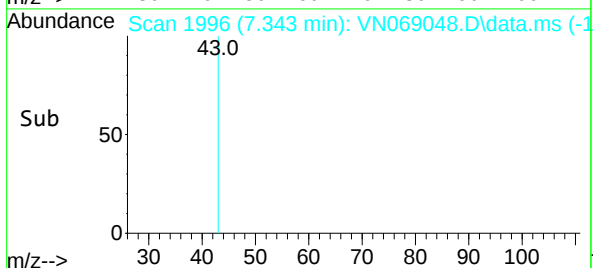
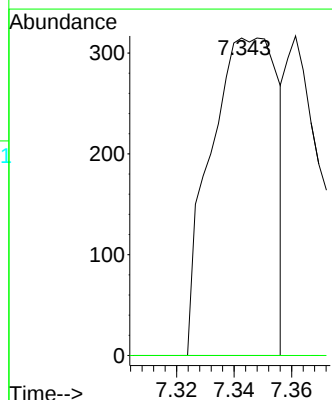
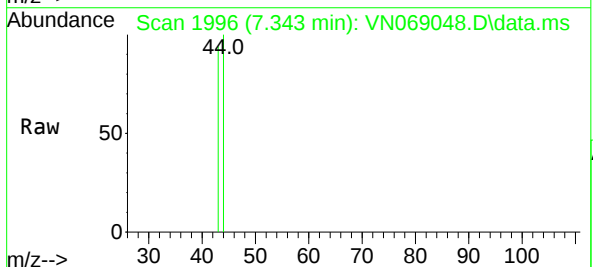
Instrument :
MSVOA_N
ClientSampled :

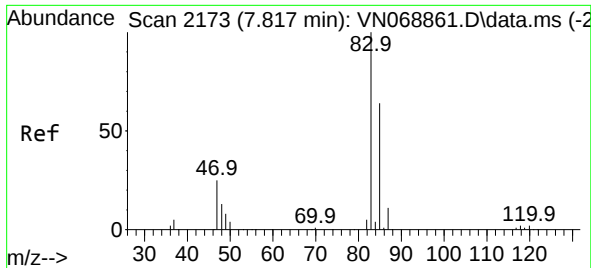
Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
74 10.3 18.9 28.3#



#25
2-Butanone
Concen: 0.204 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

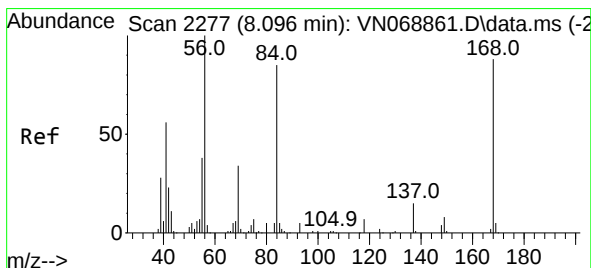
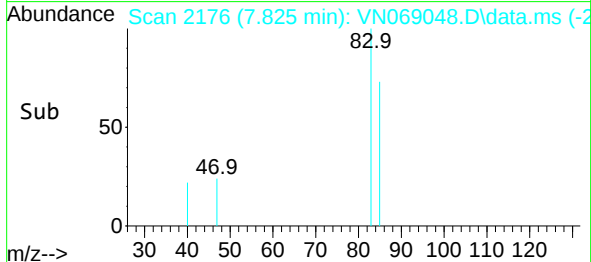
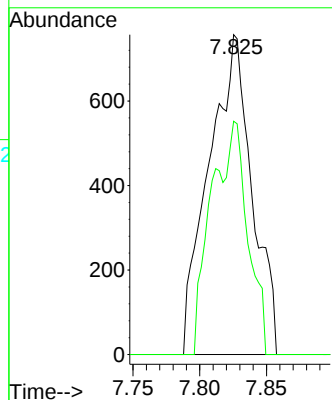
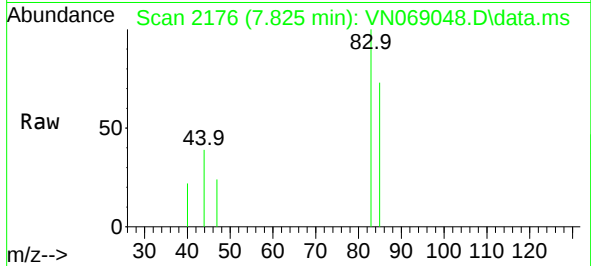




#30
Chloroform
Concen: 0.246 ug/l
RT: 7.825 min Scan# 2176
Delta R.T. 0.008 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

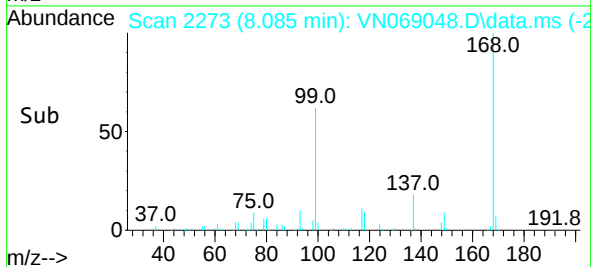
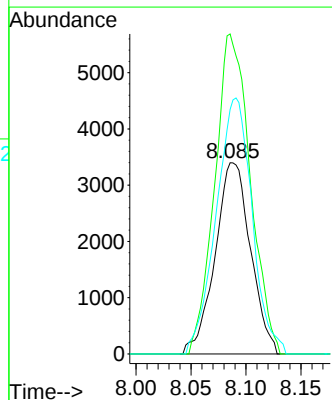
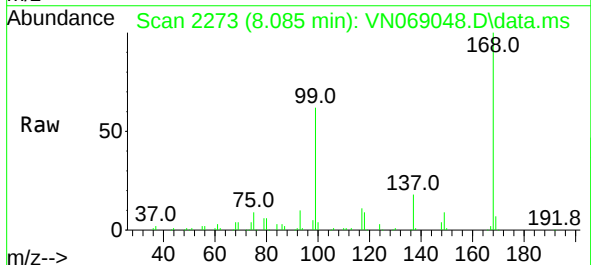
Instrument :
MSVOA_N
ClientSampled :

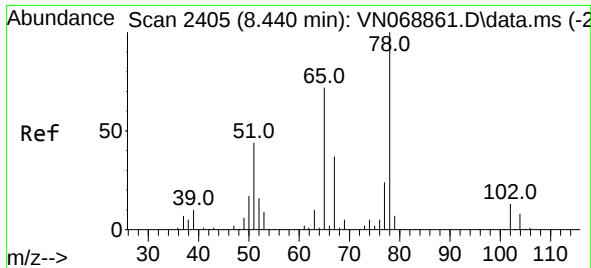
Tgt Ion: 83 Resp: 1700
Ion Ratio Lower Upper
83 100
85 72.9 51.1 76.7



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.011 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 56 Resp: 7611
Ion Ratio Lower Upper
56 100
69 167.4 26.9 40.3#
84 127.9 67.6 101.4#

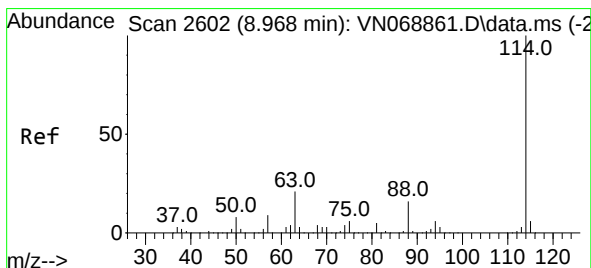
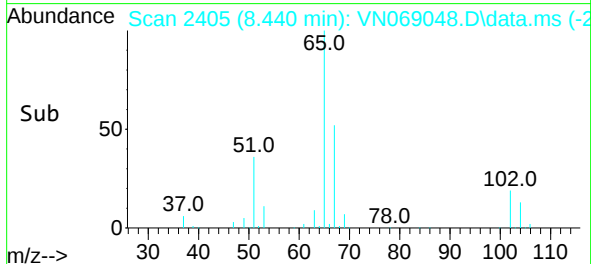
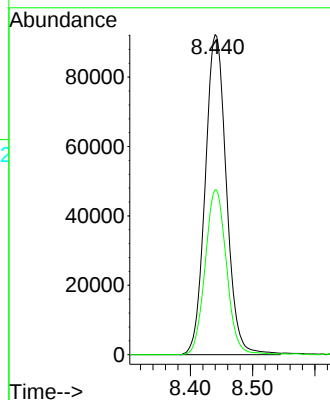
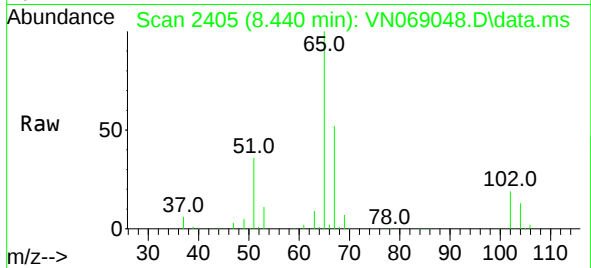




#33
 1,2-Dichloroethane-d4
 Concen: 49.278 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069048.D
 Acq: 20 Oct 2021 1:46

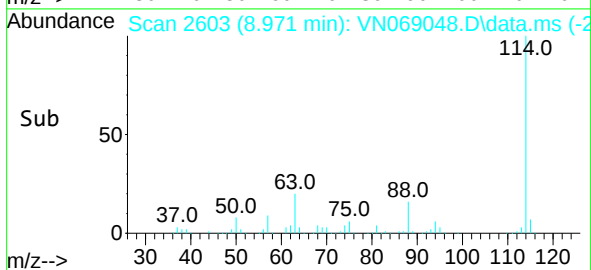
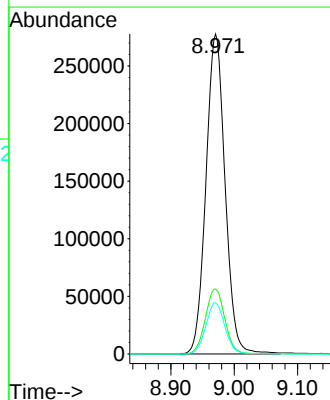
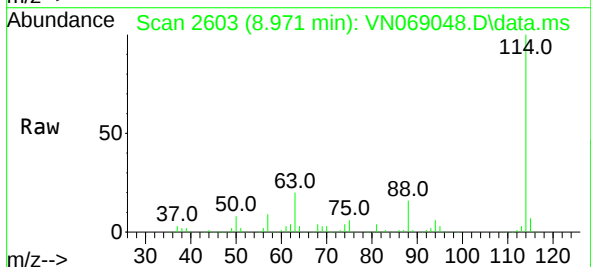
Instrument :
 MSVOA_N
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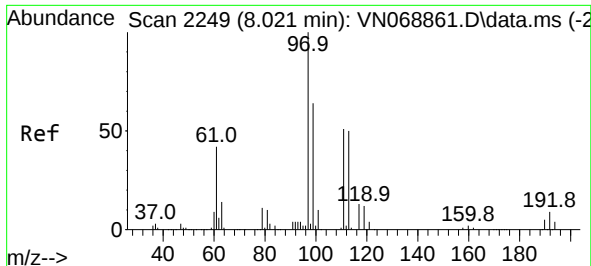
Tgt Ion: 65 Resp: 217832
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069048.D
 Acq: 20 Oct 2021 1:46

Tgt Ion: 114 Resp: 582346
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.6
 88 16.0 0.0 32.0

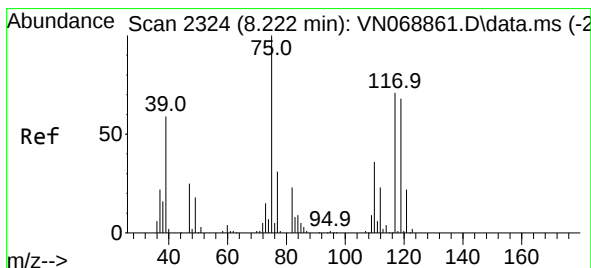
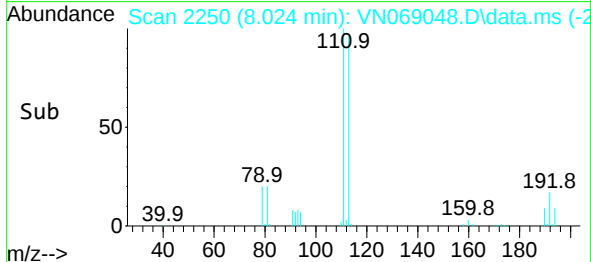
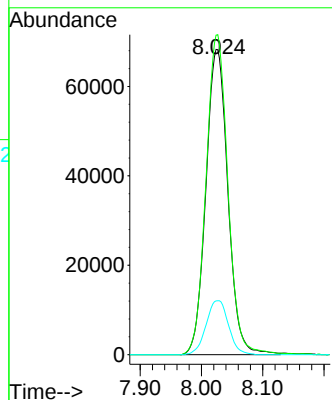
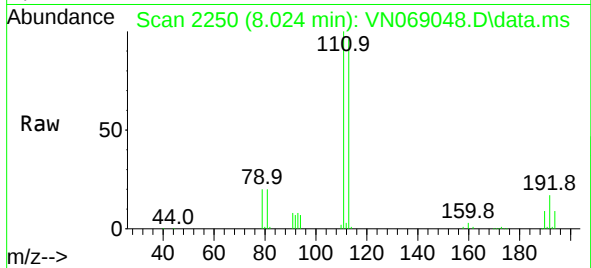




#35
Dibromofluoromethane
Concen: 50.404 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

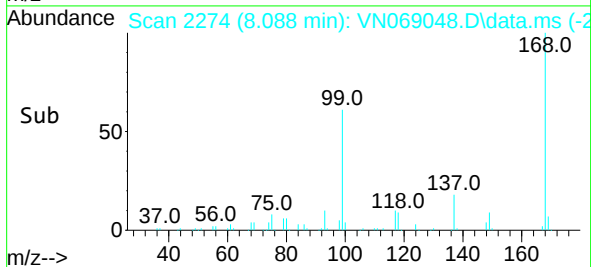
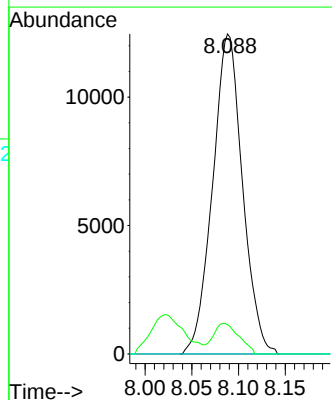
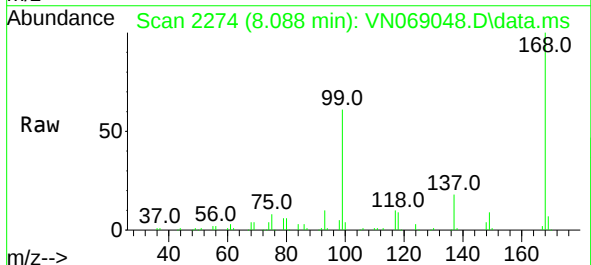
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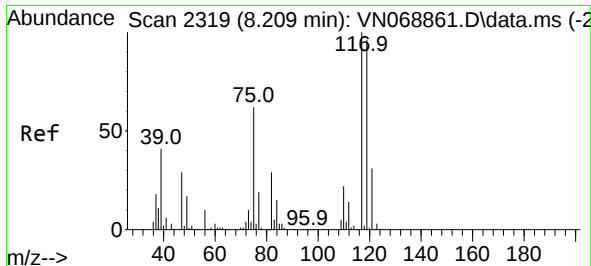
Tgt Ion:113 Resp: 170777
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 18.0 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.573 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

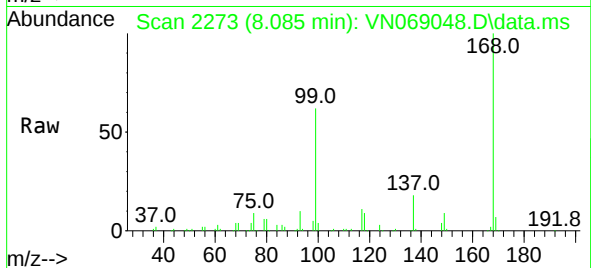
Tgt Ion: 75 Resp: 27720
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



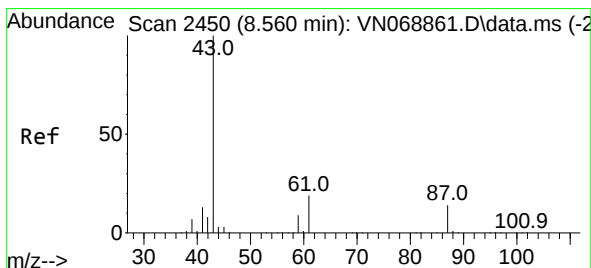
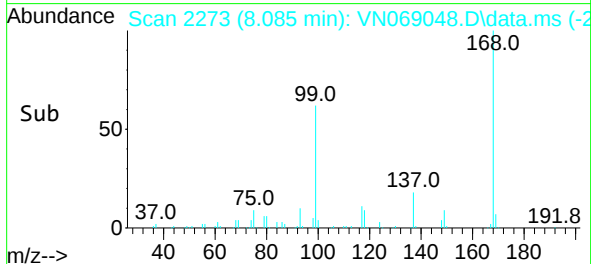
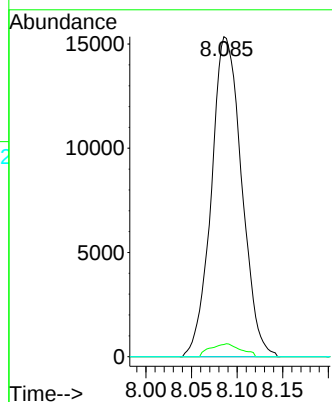


#38
Carbon Tetrachloride
Concen: 6.489 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Instrument :
MSVOA_N
ClientSampled :

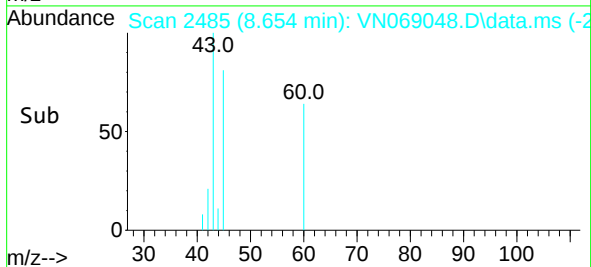
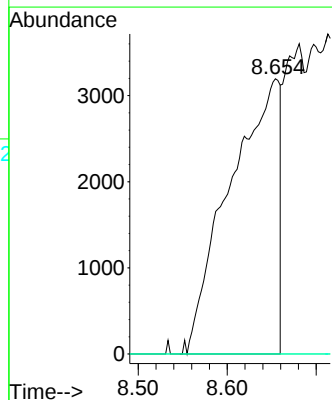
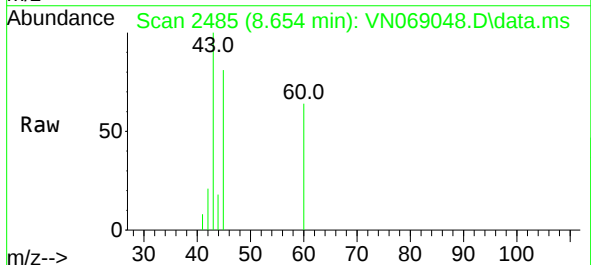


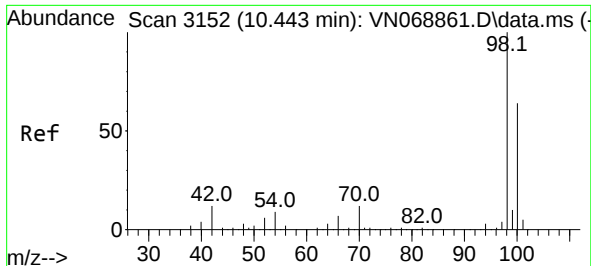
Tgt Ion:117 Resp: 35451
Ion Ratio Lower Upper
117 100
119 3.8 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.370 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.094 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 43 Resp: 12420
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

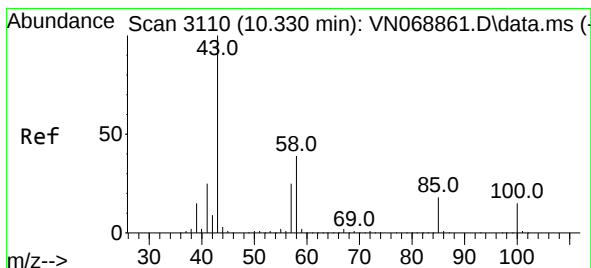
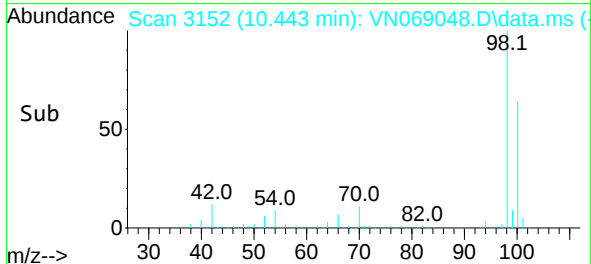
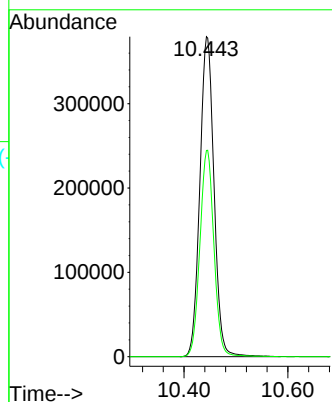
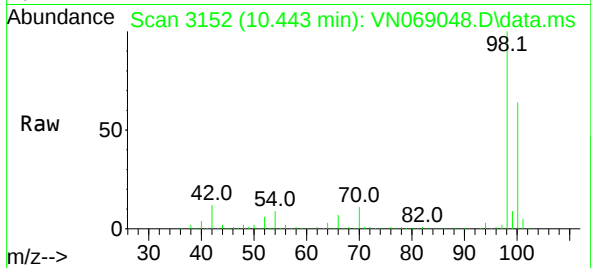




#50
Toluene-d8
Concen: 52.957 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

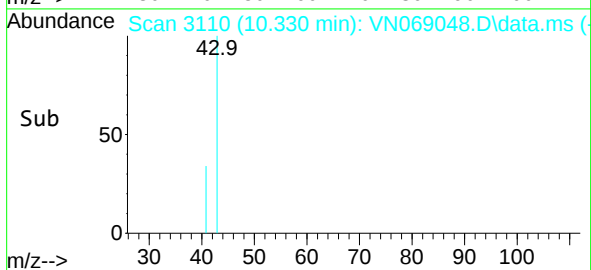
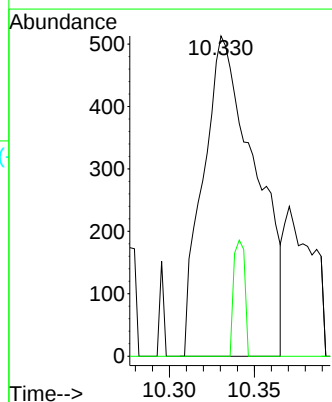
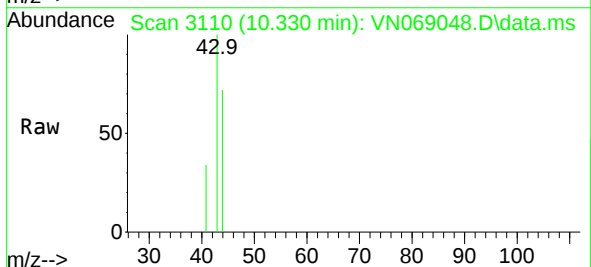
Instrument :
MSVOA_N
ClientSampled :

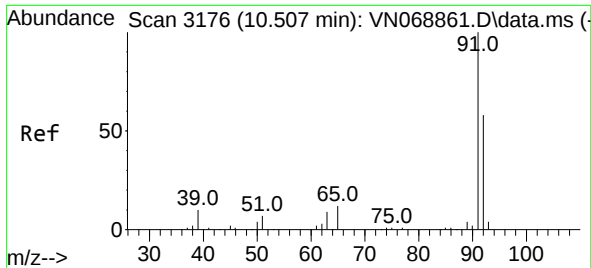
Tgt Ion: 98 Resp: 717910
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

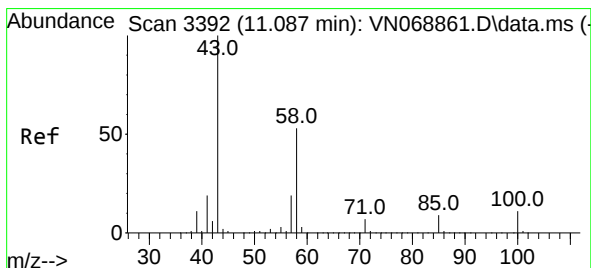
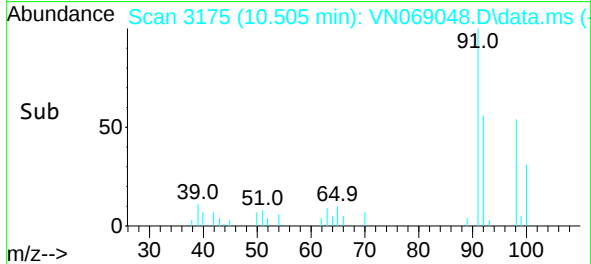
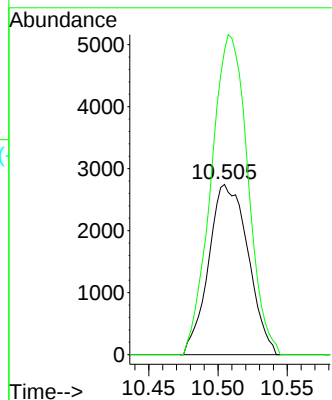
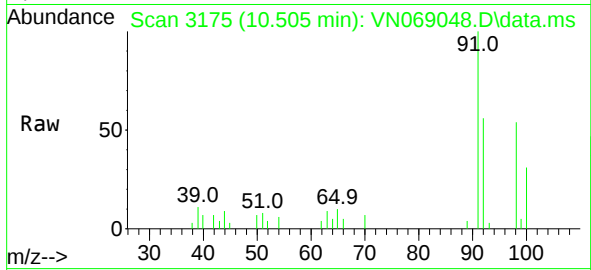




#52
Toluene
Concen: 0.558 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

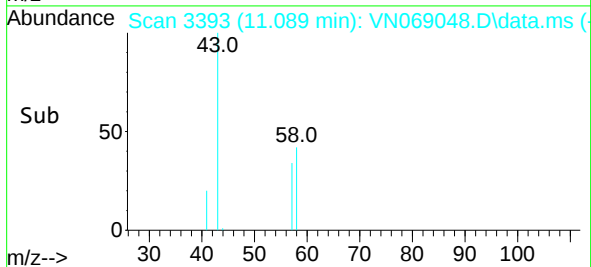
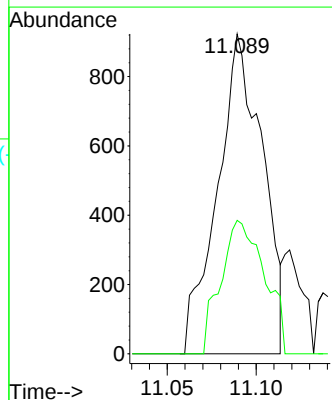
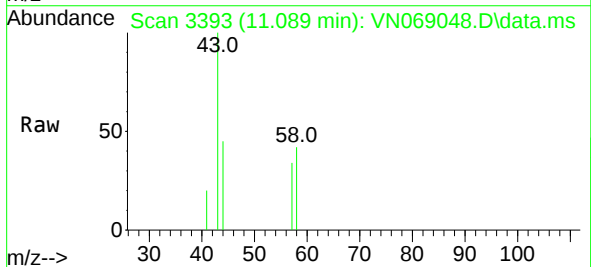
Instrument :
MSVOA_N
ClientSampled :

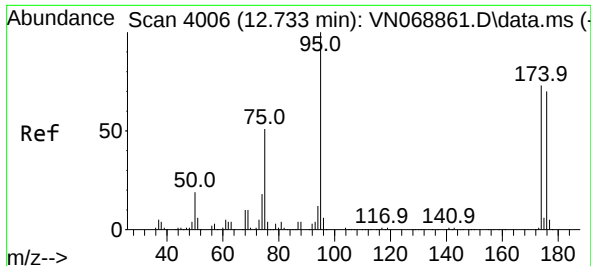
Tgt Ion: 92 Resp: 5433
Ion Ratio Lower Upper
92 100
91 175.2 138.5 207.7



#59
2-Hexanone
Concen: 0.431 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 43 Resp: 1623
Ion Ratio Lower Upper
43 100
58 40.5 26.9 80.7

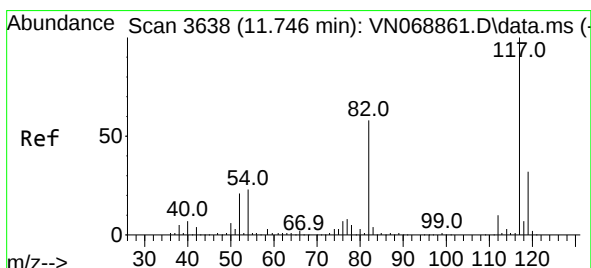
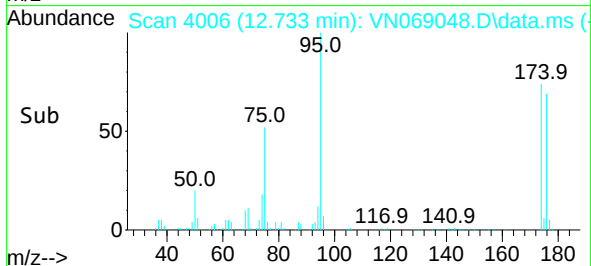
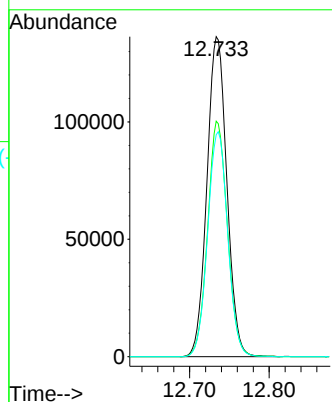
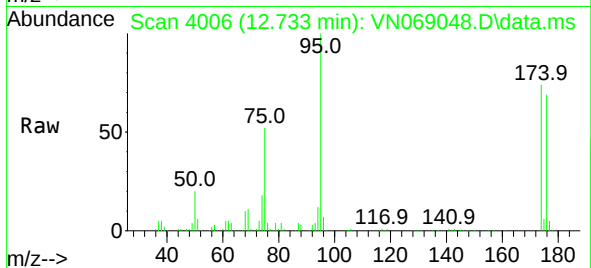




#62
4-Bromofluorobenzene
Concen: 46.421 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

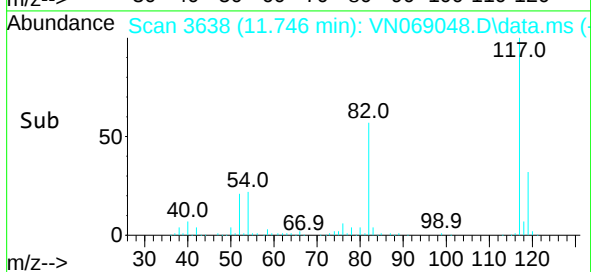
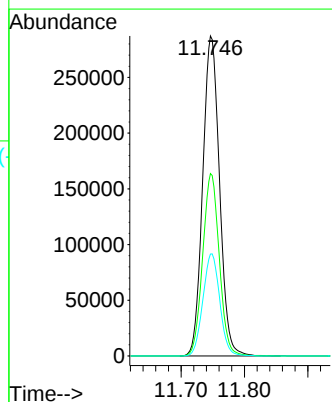
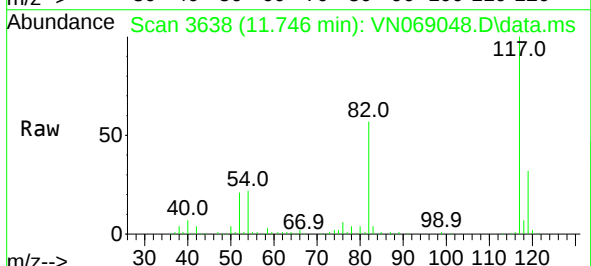
Instrument :
MSVOA_N
ClientSampleId :

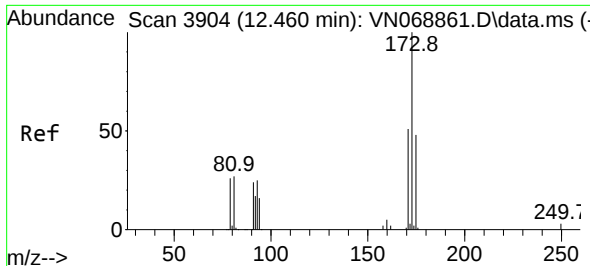
Tgt Ion: 95 Resp: 237431
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.8
176 70.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion: 117 Resp: 528699
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 31.9 26.0 39.0

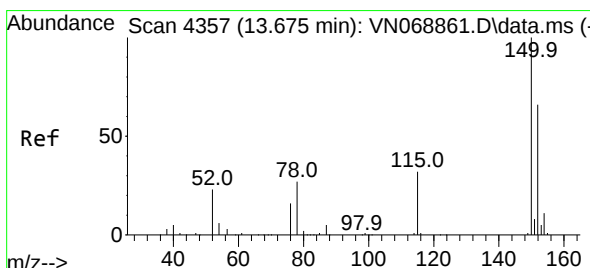
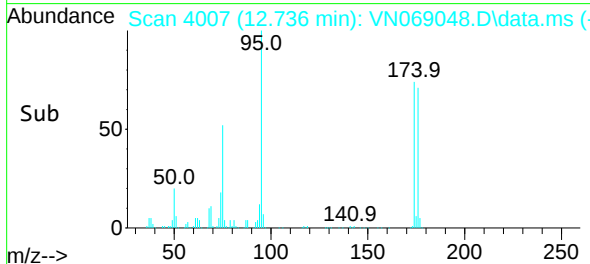
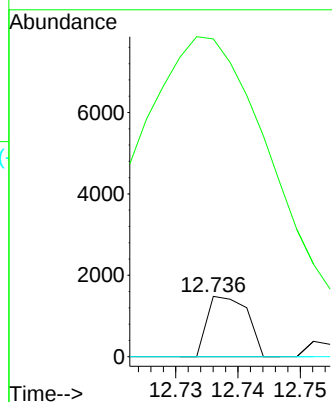
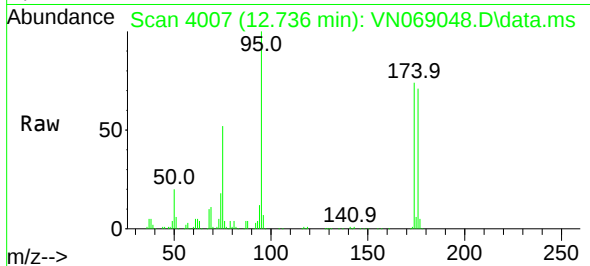




#71
Bromoform
Concen: 0.210 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

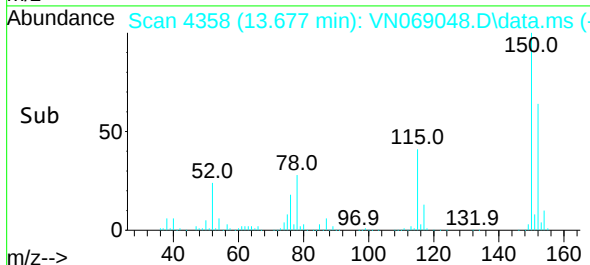
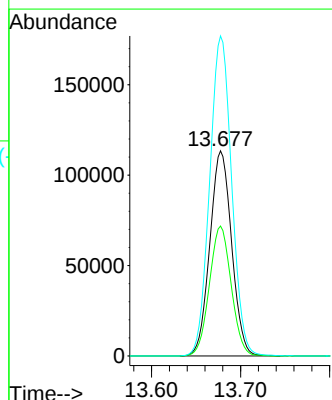
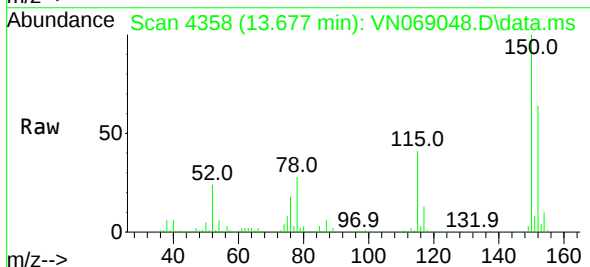
Instrument :
MSVOA_N
ClientSampled :

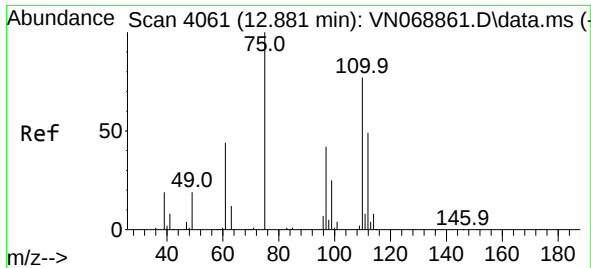
Tgt Ion:173 Resp: 659
Ion Ratio Lower Upper
173 100
175 1874.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

Tgt Ion:152 Resp: 193168
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.3
150 157.0 0.0 351.0

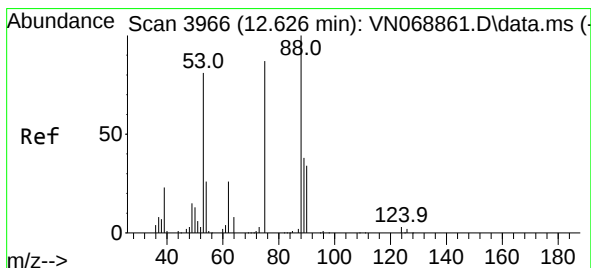
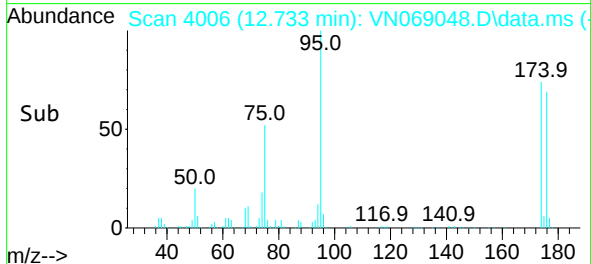
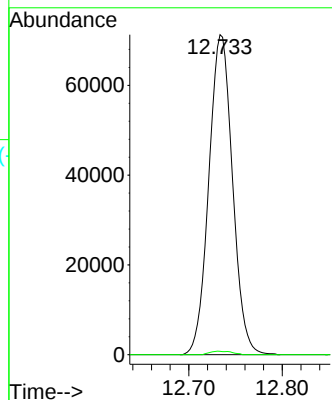
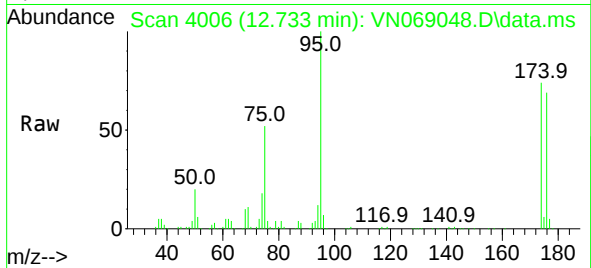




#76
1,2,3-Trichloropropane
Concen: 30.571 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

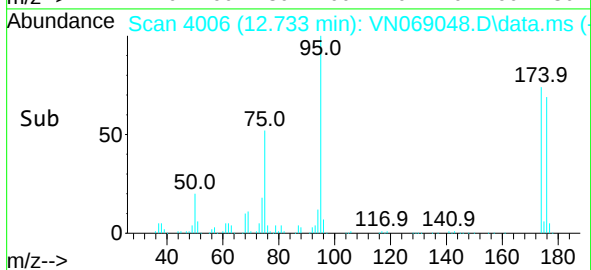
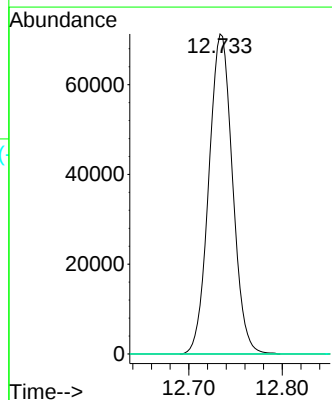
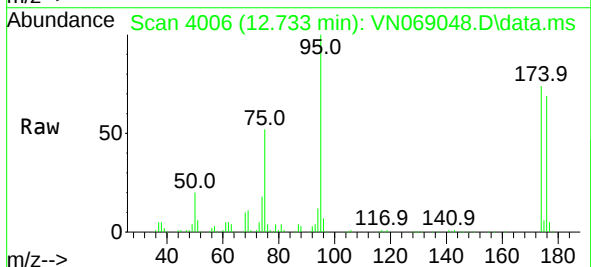
Instrument :
MSVOA_N
ClientSampled :

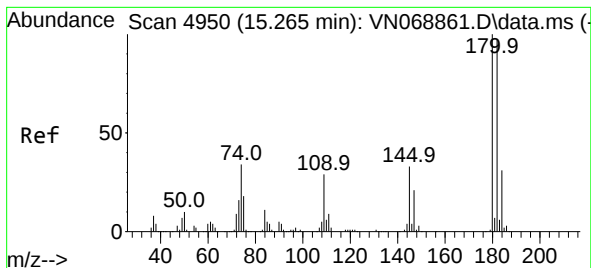
Tgt Ion: 75 Resp: 125649
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.139 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

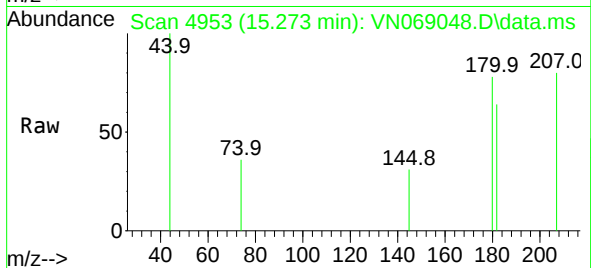
Tgt Ion: 75 Resp: 125649
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



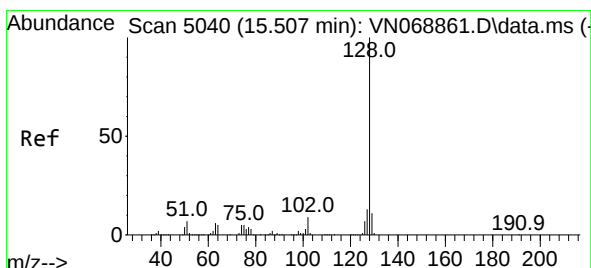
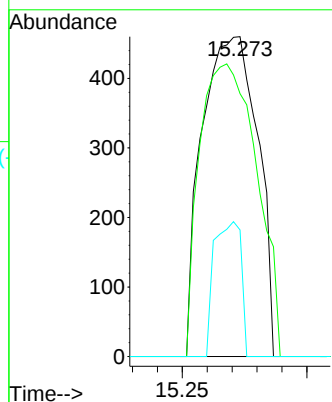
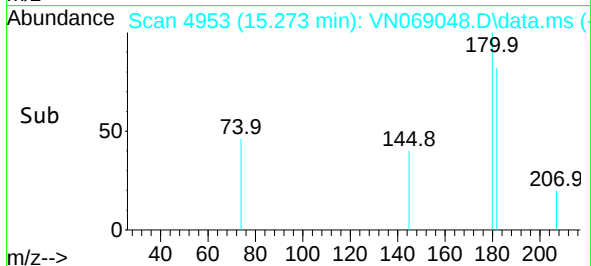


#93
1,2,4-Trichlorobenzene
Concen: 2.809 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46

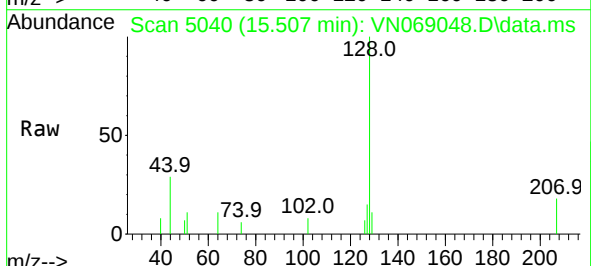
Instrument :
MSVOA_N
ClientSampled :



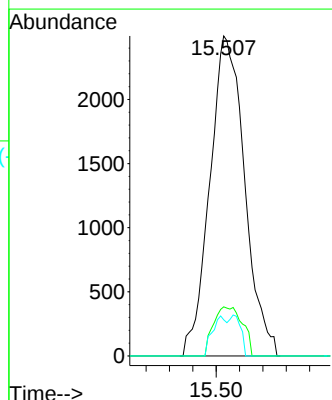
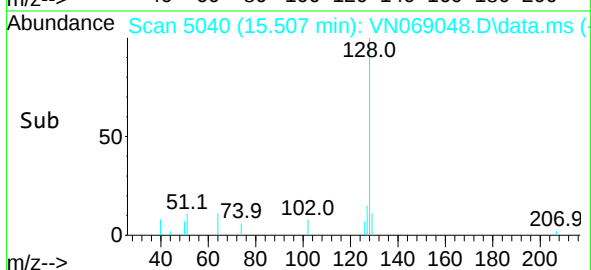
Tgt Ion:180 Resp: 711
Ion Ratio Lower Upper
180 100
182 94.2 47.9 143.7
145 20.4 16.4 49.2

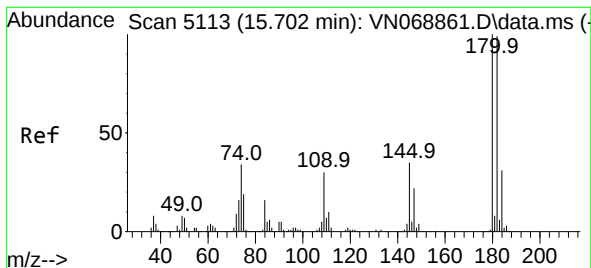


#95
Naphthalene
Concen: 4.343 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069048.D
Acq: 20 Oct 2021 1:46



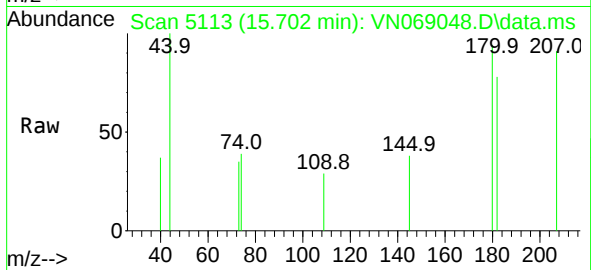
Tgt Ion:128 Resp: 5159
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 5.2 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.785 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN069048.D
 Acq: 20 Oct 2021 1:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	881
Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.1	144.3
145	30.2	17.4	52.2

