

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069063.D
 Acq On : 20 Oct 2021 15:46
 Operator : JC/MD
 Sample : M4249-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:14:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

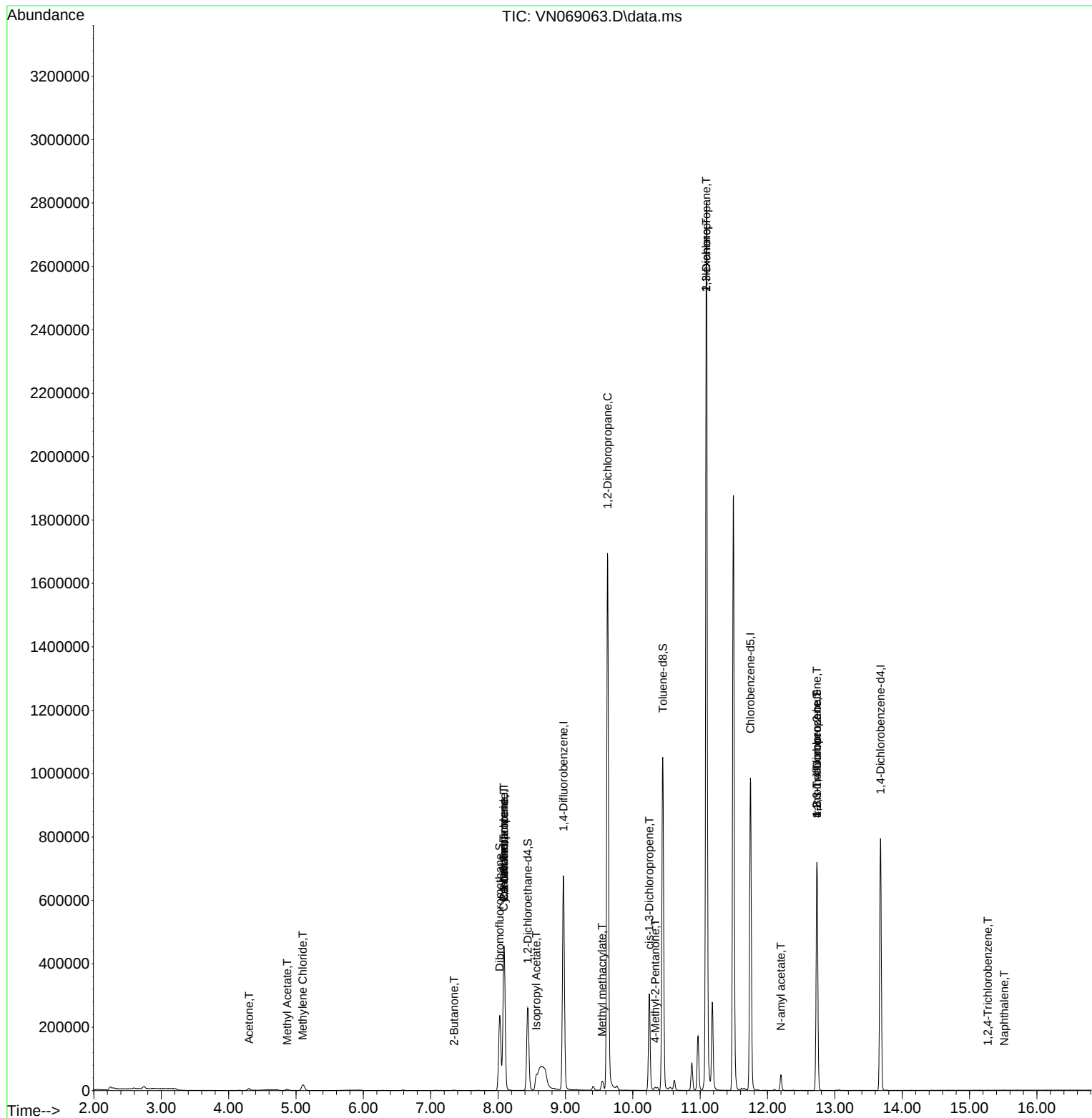
Internal Standards						
1) Pentafluorobenzene	8.088	168	344796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	603473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	582260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	209267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	223847	49.240	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.480%	
35) Dibromofluoromethane	8.024	113	176469	50.261	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.520%	
50) Toluene-d8	10.446	98	756053	53.818	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.640%	
62) 4-Bromofluorobenzene	12.734	95	265507	50.093	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.180%	
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	12048	7.102	ug/l	99
18) Methyl Acetate	4.870	43	8496	1.320	ug/l #	69
20) Methylene Chloride	5.098	84	15891	4.070	ug/l	95
25) 2-Butanone	7.346	43	2774	1.081	ug/l	96
31) Cyclohexane	8.083	56	8070	1.142	ug/l #	13
36) 1,1-Dichloropropene	8.088	75	28677	5.563	ug/l #	48
38) Carbon Tetrachloride	8.088	117	36224	6.399	ug/l #	16
43) Isopropyl Acetate	8.569	43	45325	4.825	ug/l #	86
45) 1,2-Dichloropropane	9.625	63	1905	0.468	ug/l #	43
48) Methyl methacrylate	9.545	41	8082	1.831	ug/l #	13
51) 4-Methyl-2-Pentanone	10.336	43	5841	1.072	ug/l	98
54) cis-1,3-Dichloropropene	10.245	75	57951	8.535	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	31721	4.832	ug/l #	42
59) 2-Hexanone	11.092	43	435593	111.523	ug/l #	51
74) N-amyl acetate	12.197	43	16413	2.487	ug/l #	52
76) 1,2,3-Trichloropropane	12.734	75	139158	31.253	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	139158	74.771	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.271	180	80	2.623	ug/l #	52
95) Naphthalene	15.515	128	962	3.903	ug/l #	69

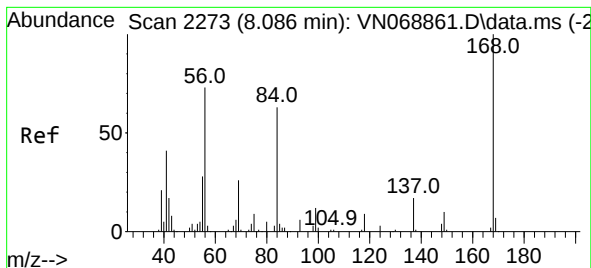
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
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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: VN069063.D

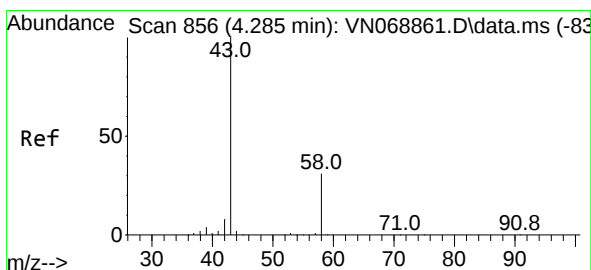
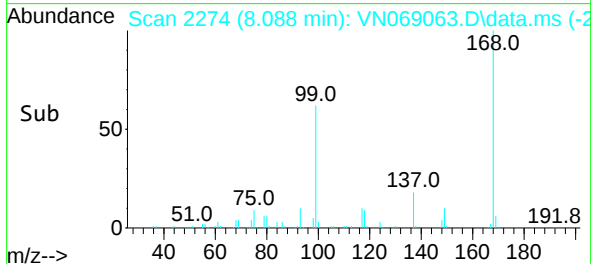
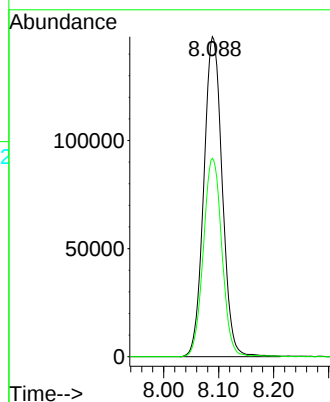
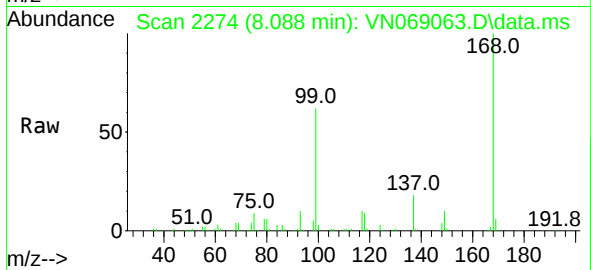
Acq: 20 Oct 2021 15:46

Tgt Ion:168 Resp: 344796

Ion Ratio Lower Upper

168 100

99 62.0 48.9 73.3



#16

Acetone

Concen: 7.102 ug/l

RT: 4.301 min Scan# 862

Delta R.T. 0.016 min

Lab File: VN069063.D

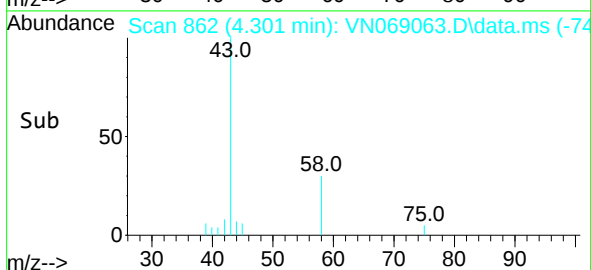
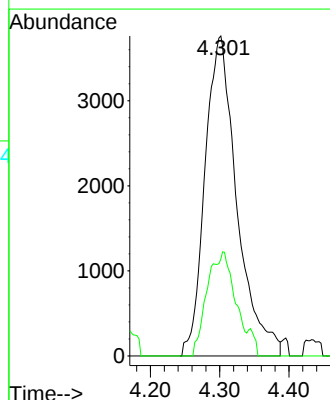
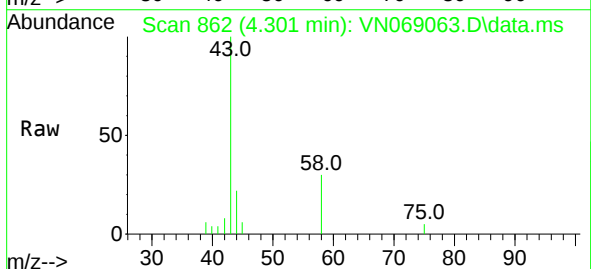
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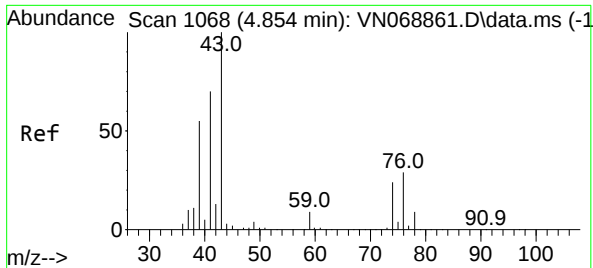
Tgt Ion: 43 Resp: 12048

Ion Ratio Lower Upper

43 100

58 30.3 24.5 36.7

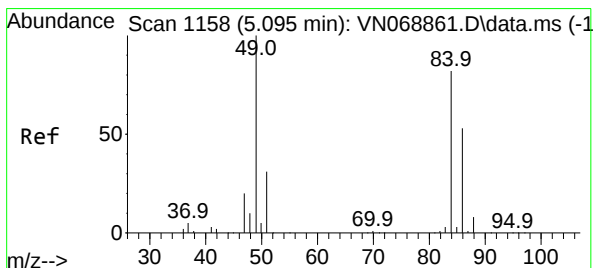
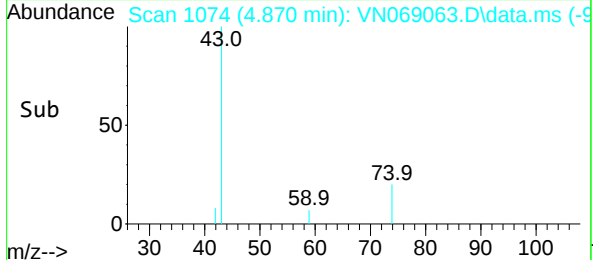
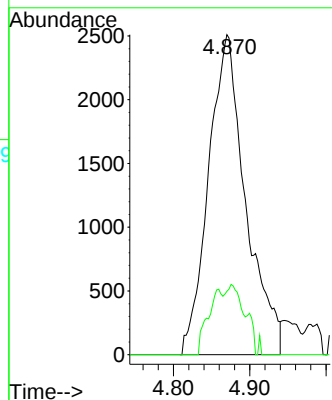
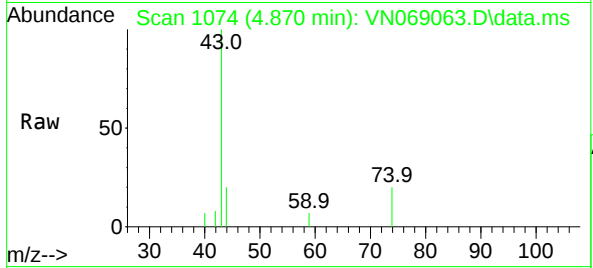




#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

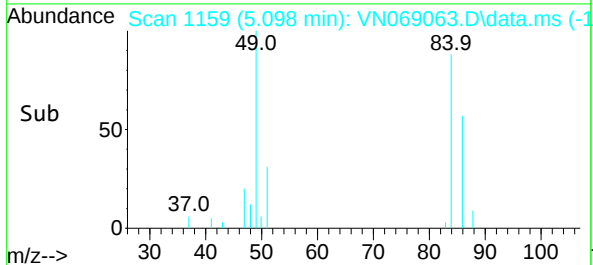
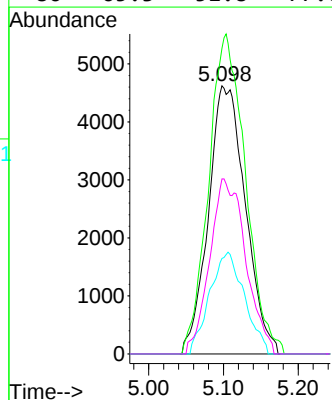
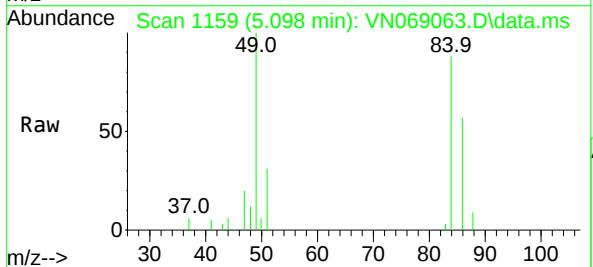
Instrument :
MSVOA_N
ClientSampled :

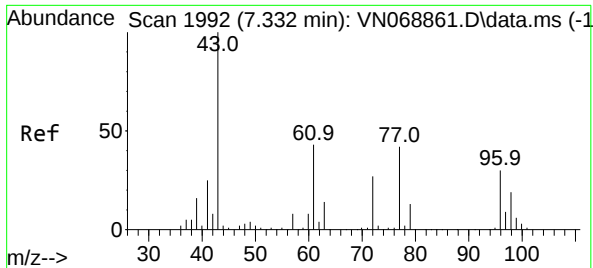
Tgt Ion: 43 Resp: 8496
Ion Ratio Lower Upper
43 100
74 8.3 18.9 28.3#



#20
Methylene Chloride
Concen: 4.070 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 84 Resp: 15891
Ion Ratio Lower Upper
84 100
49 114.0 97.6 146.4
51 35.6 30.3 45.5
86 65.3 51.8 77.6

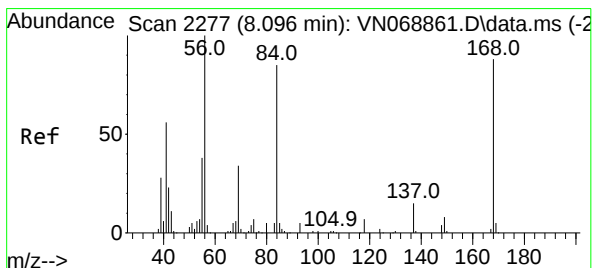
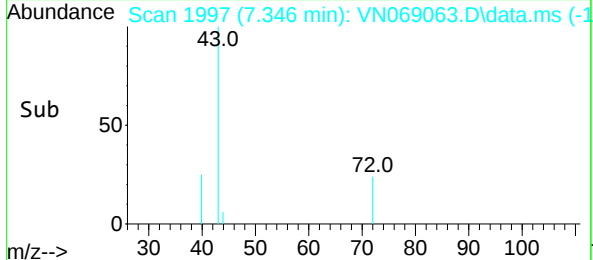
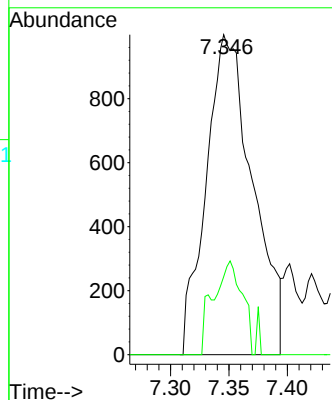
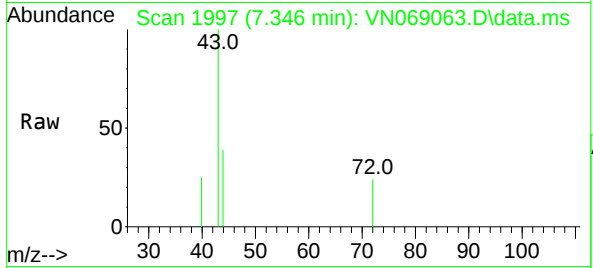




#25
2-Butanone
Concen: 1.081 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

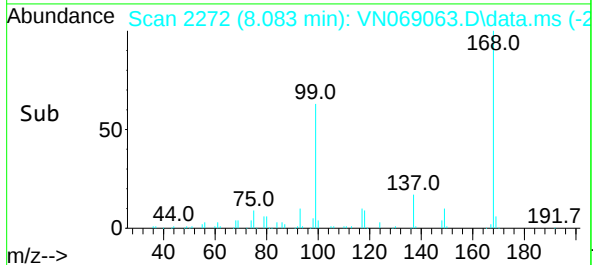
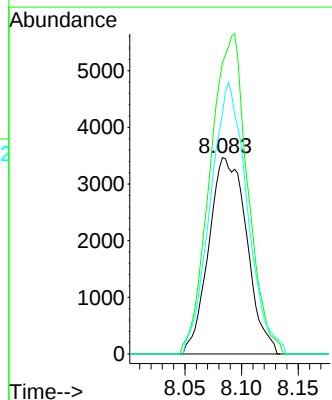
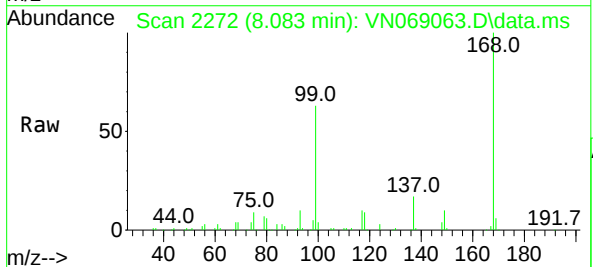
Instrument :
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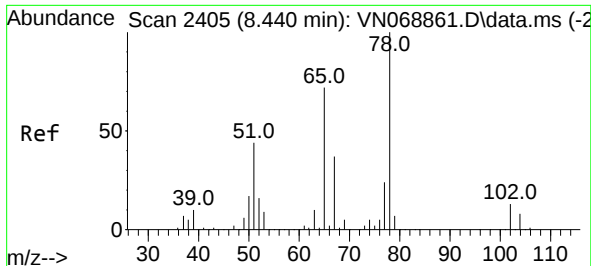
Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
72 24.4 21.2 31.8



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 56 Resp: 8070
Ion Ratio Lower Upper
56 100
69 148.4 26.9 40.3#
84 122.6 67.6 101.4#



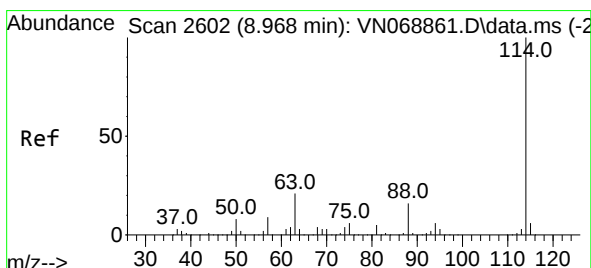
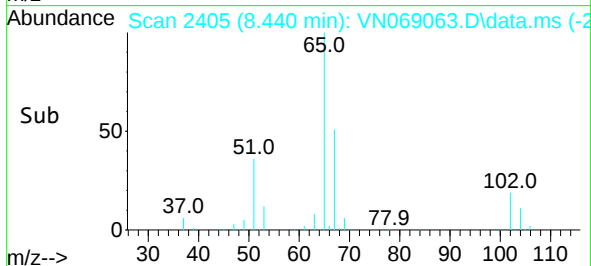
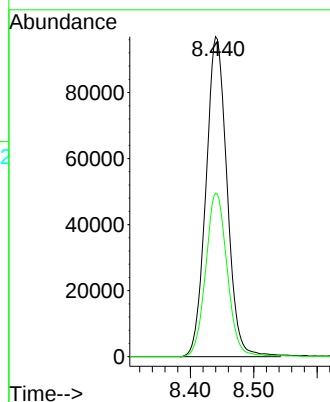
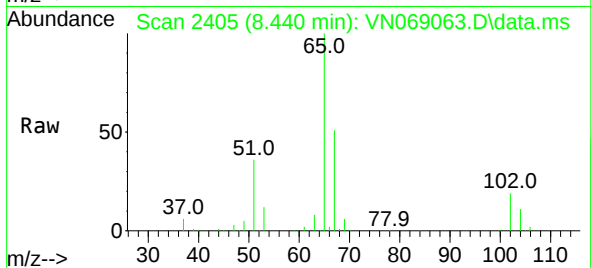


#33

1,2-Dichloroethane-d4
Concen: 49.240 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Instrument :
MSVOA_N
ClientSampled :

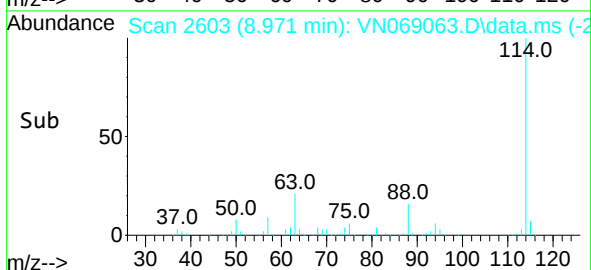
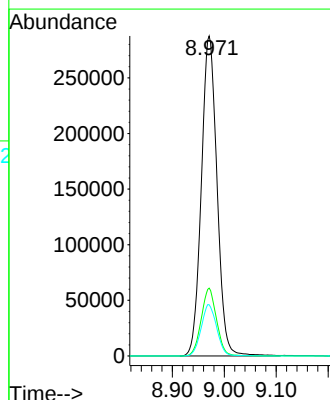
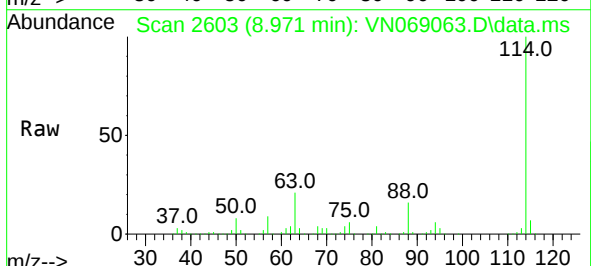
Tgt Ion: 65 Resp: 223847
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8

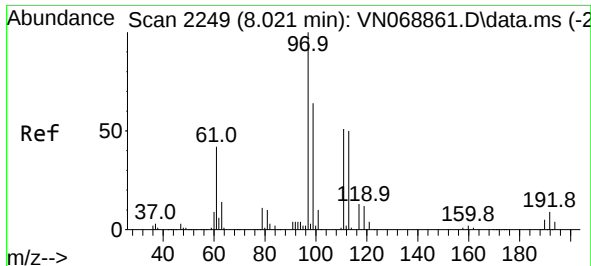


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 114 Resp: 603473
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.6
88 16.0 0.0 32.0

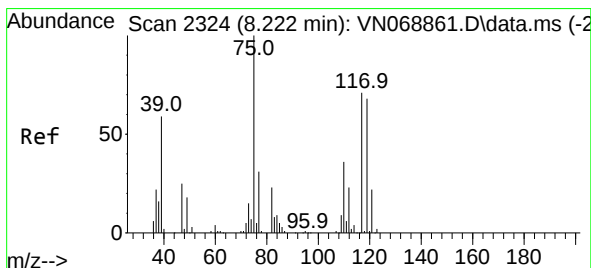
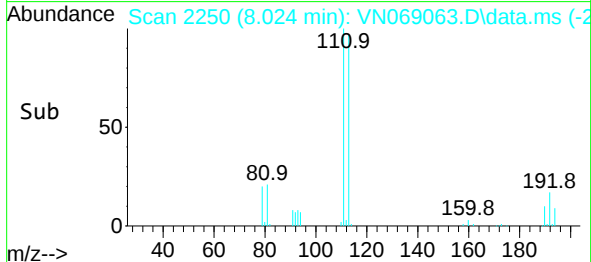
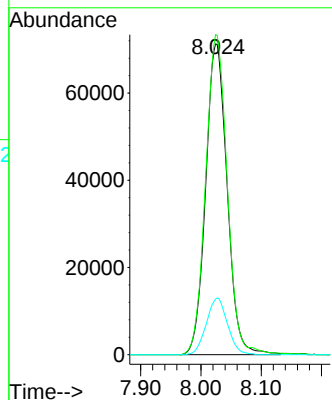
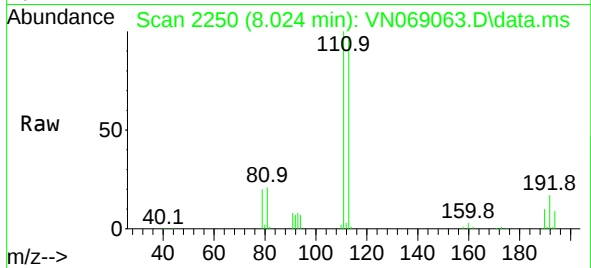




#35
Dibromofluoromethane
Concen: 50.261 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

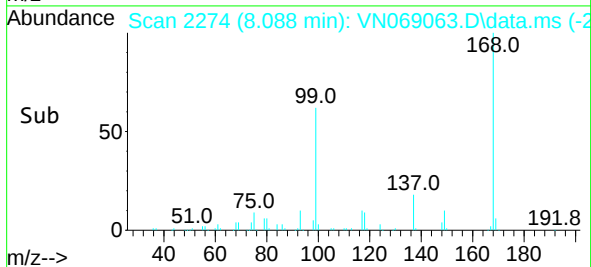
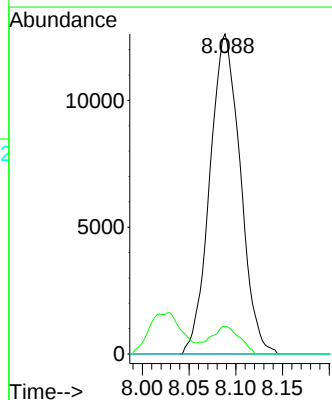
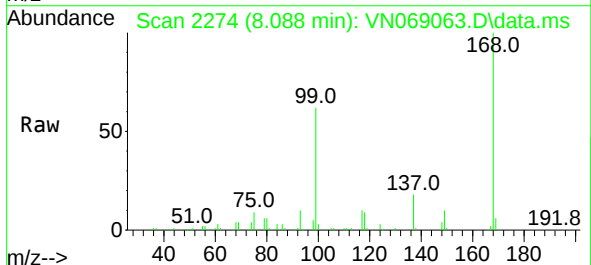
Instrument :
MSVOA_N
ClientSampled :

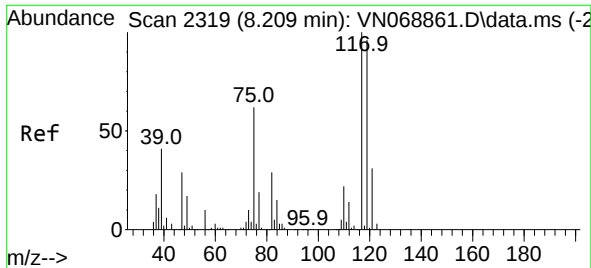
Tgt Ion:113 Resp: 176469
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 18.0 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.563 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

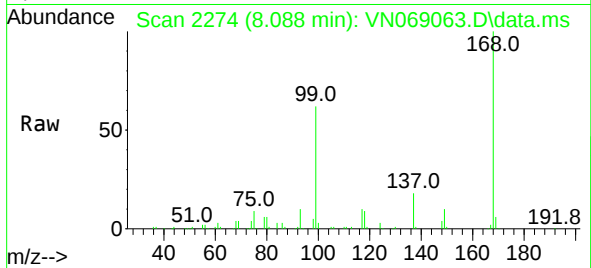
Tgt Ion: 75 Resp: 28677
Ion Ratio Lower Upper
75 100
110 7.9 17.9 53.8#
77 0.0 24.7 37.1#



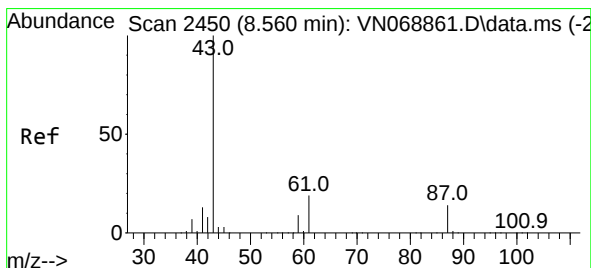
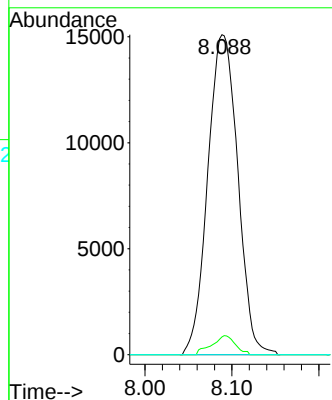
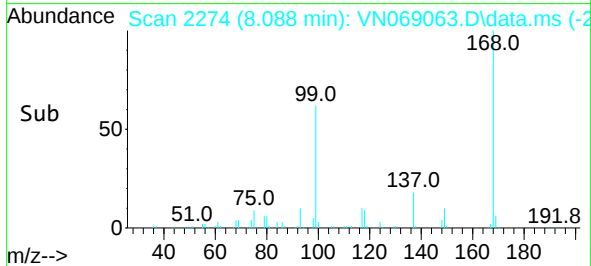


#38
Carbon Tetrachloride
Concen: 6.399 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

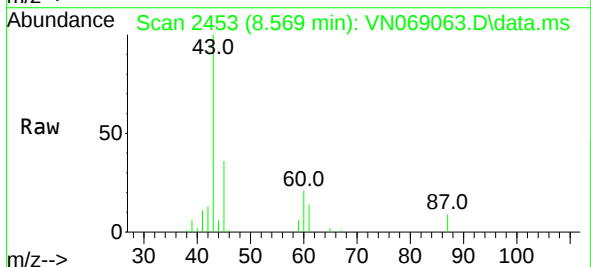
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MSVOA_N
ClientSampled :



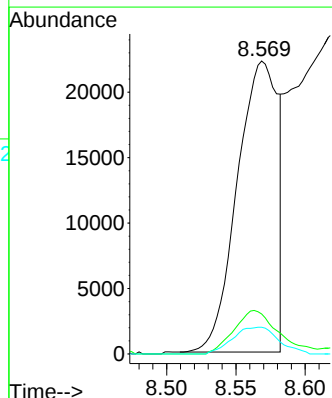
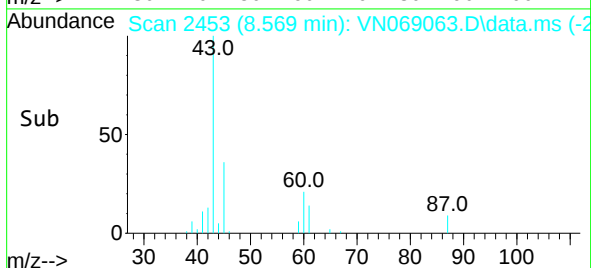
Tgt Ion:117 Resp: 36224
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 24.6 37.0#

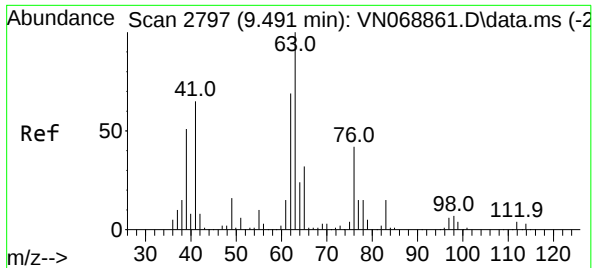


#43
Isopropyl Acetate
Concen: 4.825 ug/l
RT: 8.569 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46



Tgt Ion: 43 Resp: 45325
Ion Ratio Lower Upper
43 100
61 16.5 20.4 30.6#
87 10.4 10.7 16.1#

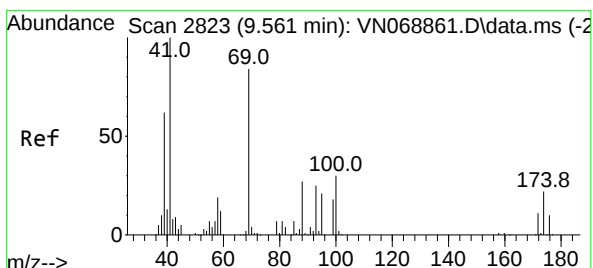
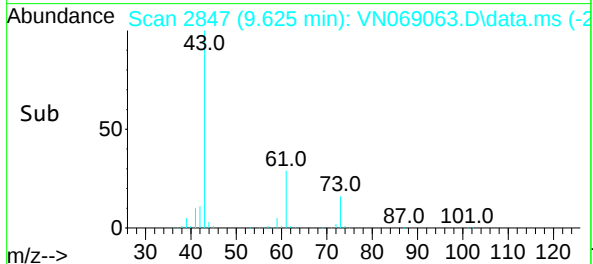
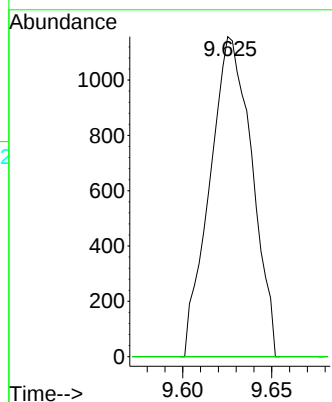
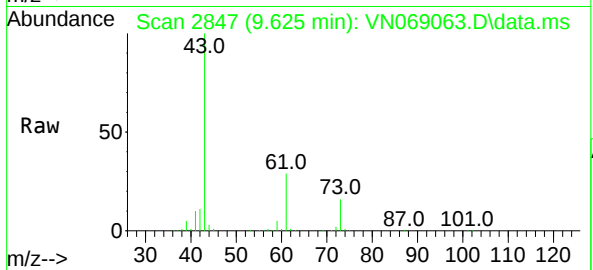




#45
1,2-Dichloropropane
Concen: 0.468 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

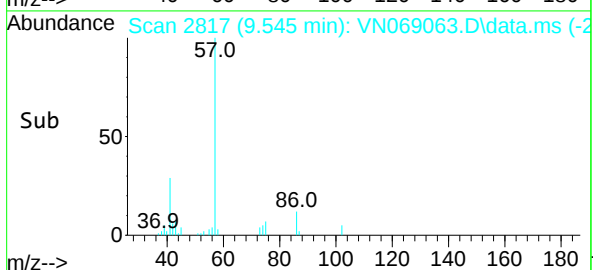
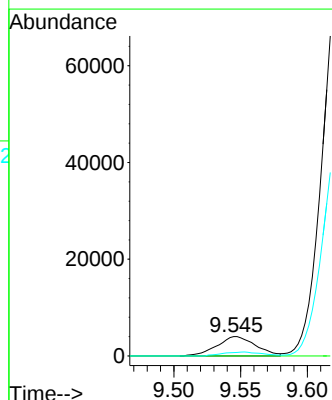
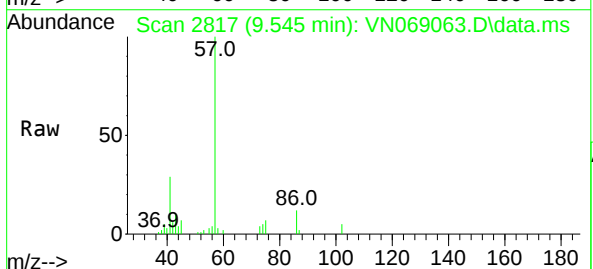
Instrument :
MSVOA_N
ClientSampled :

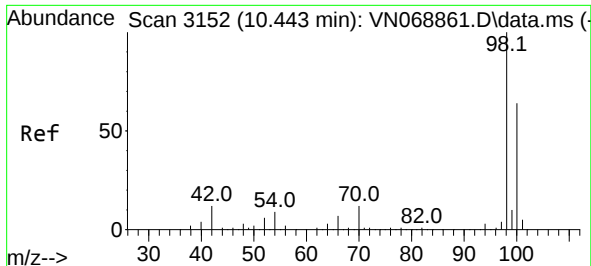
Tgt Ion: 63 Resp: 1905
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.831 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 41 Resp: 8082
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

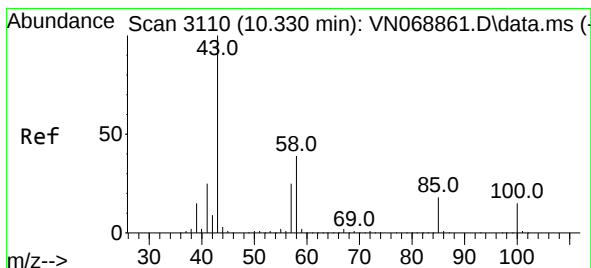
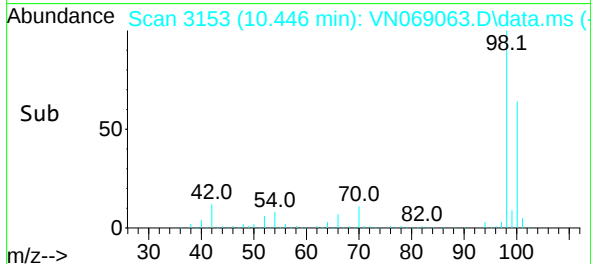
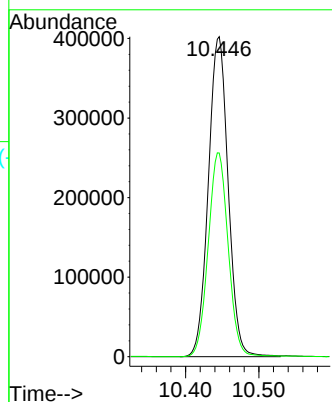
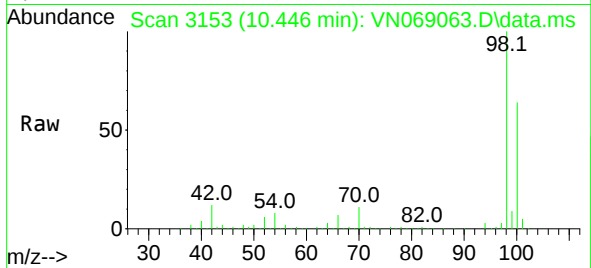




#50
Toluene-d8
Concen: 53.818 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

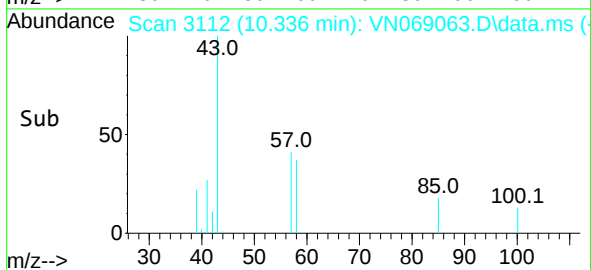
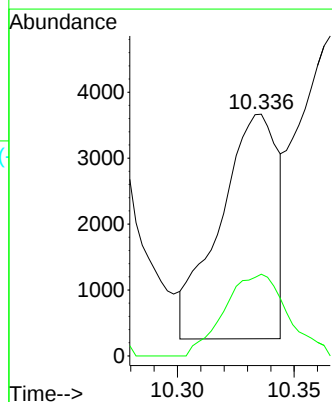
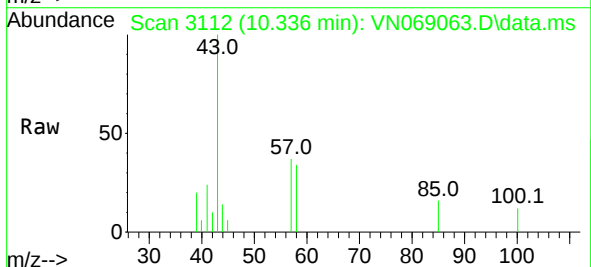
Instrument :
MSVOA_N
ClientSampled :

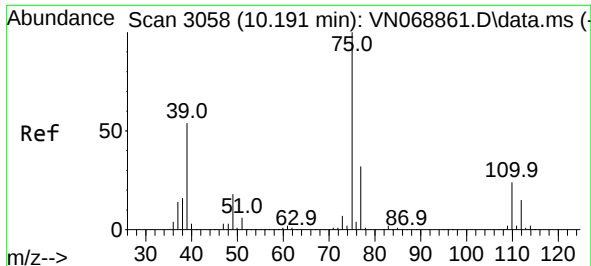
Tgt Ion: 98 Resp: 756053
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.072 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 43 Resp: 5841
Ion Ratio Lower Upper
43 100
58 39.8 31.0 46.4

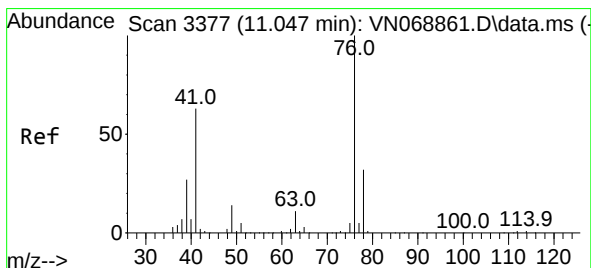
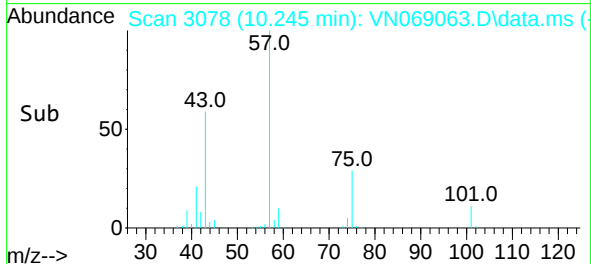
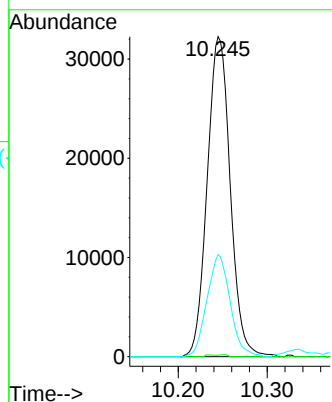
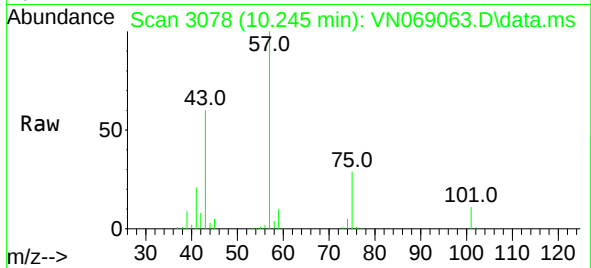




#54
cis-1,3-Dichloropropene
Concen: 8.535 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

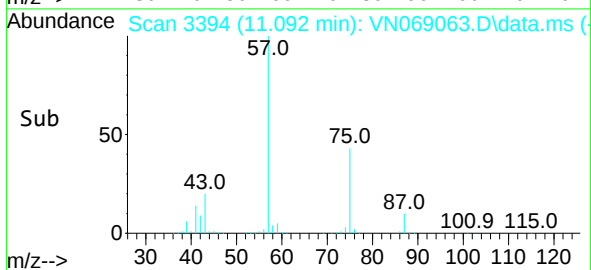
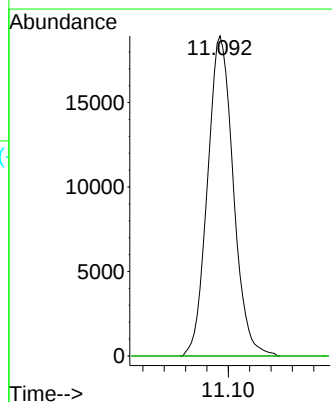
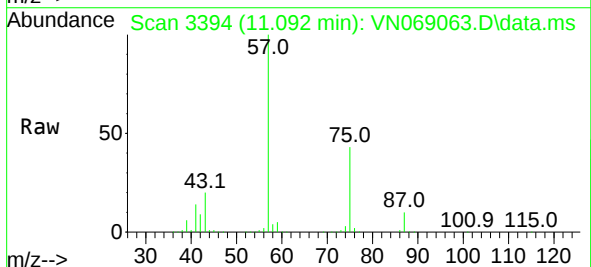
Instrument :
MSVOA_N
ClientSampled :

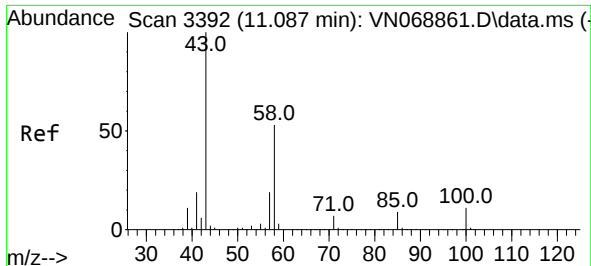
Tgt Ion: 75 Resp: 57951
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.9 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.832 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 76 Resp: 31721
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

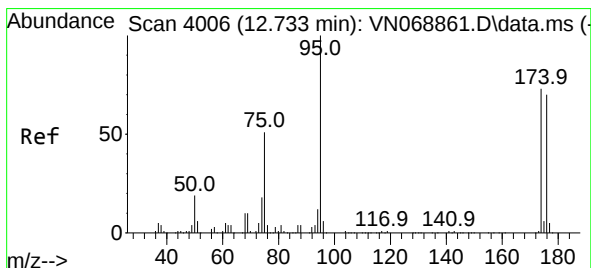
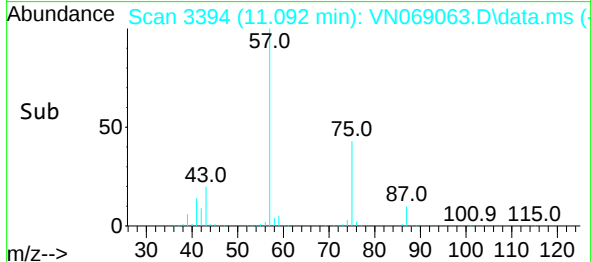
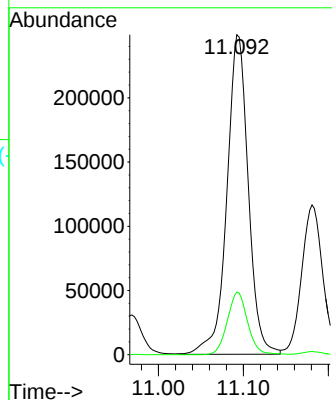
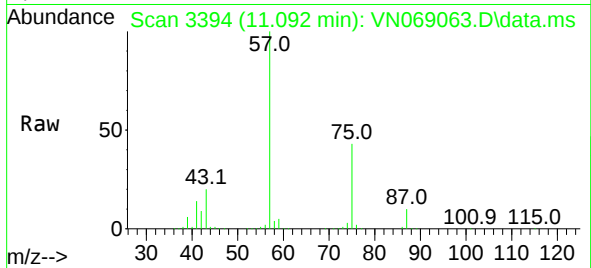




#59
2-Hexanone
Concen: 111.523 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

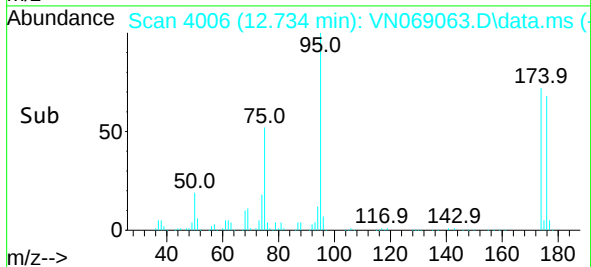
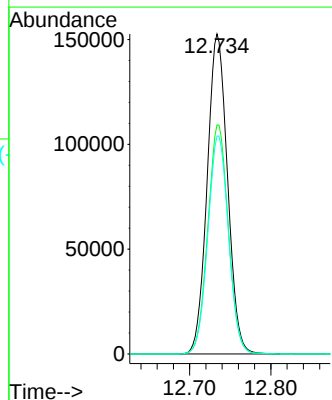
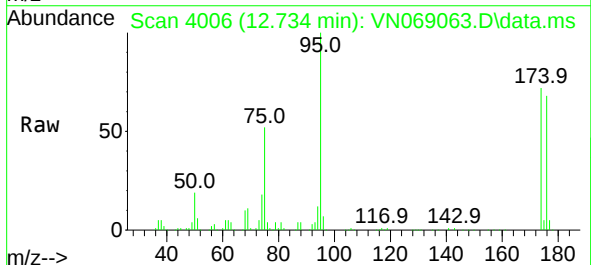
Instrument :
MSVOA_N
ClientSampled :

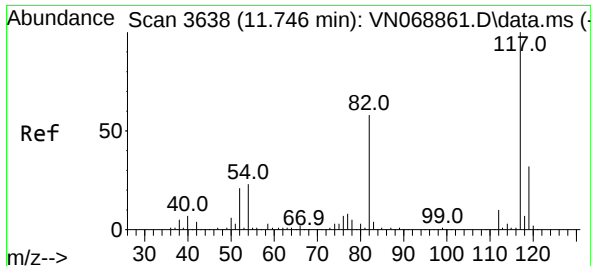
Tgt Ion: 43 Resp: 435593
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.093 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion: 95 Resp: 265507
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.8
176 69.3 0.0 140.0

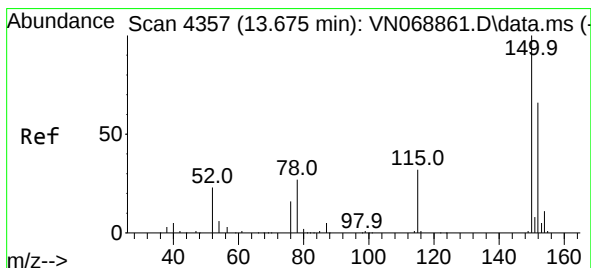
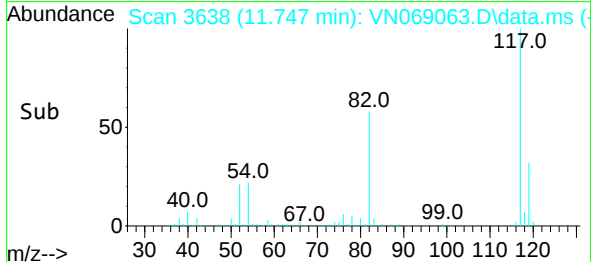
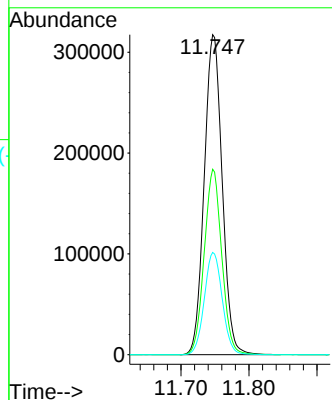
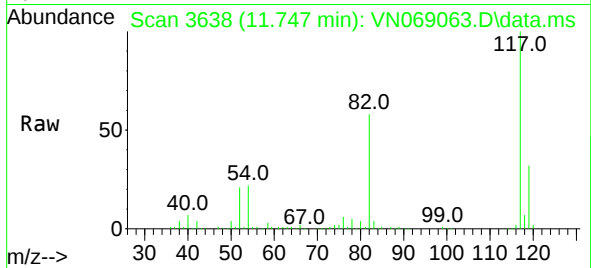




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

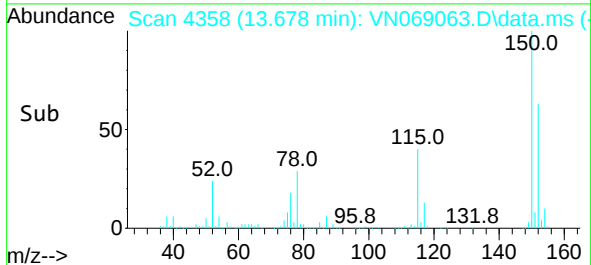
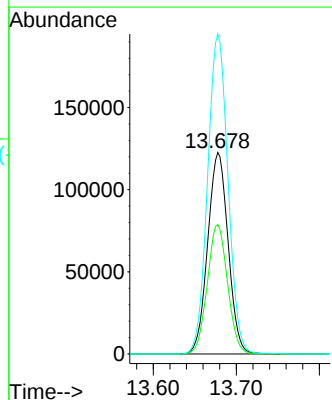
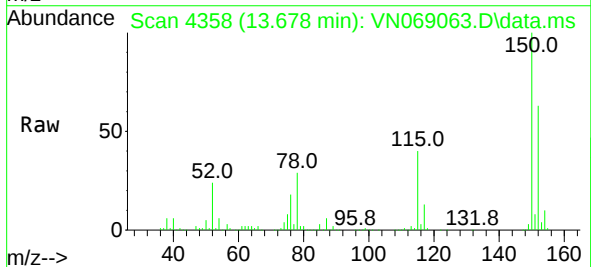
Instrument :
MSVOA_N
ClientSampled :

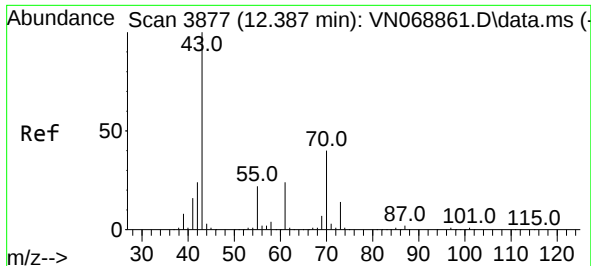
Tgt Ion:117 Resp: 582260
Ion Ratio Lower Upper
117 100
82 58.0 46.4 69.6
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion:152 Resp: 209267
Ion Ratio Lower Upper
152 100
115 63.6 31.4 94.3
150 158.1 0.0 351.0

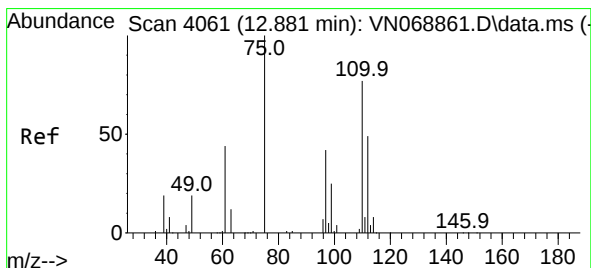
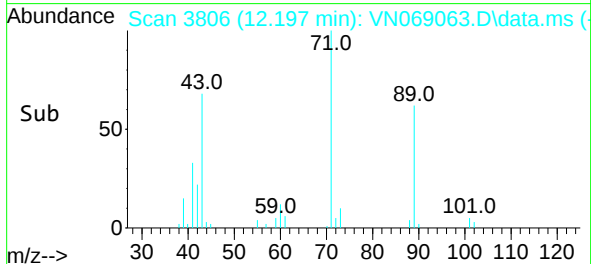
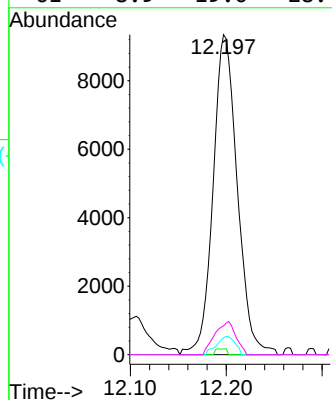
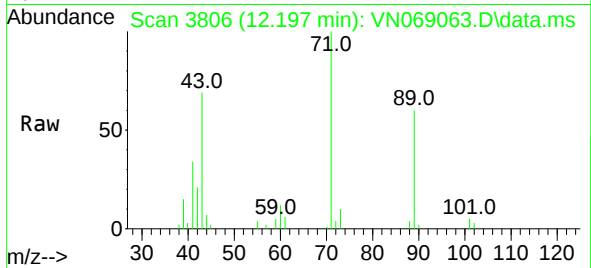




#74
N-amy1 acetate
Concen: 2.487 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

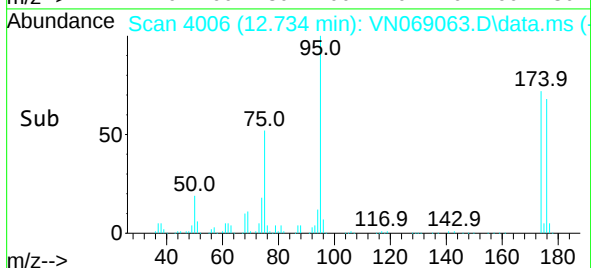
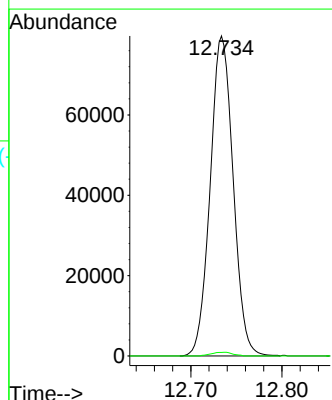
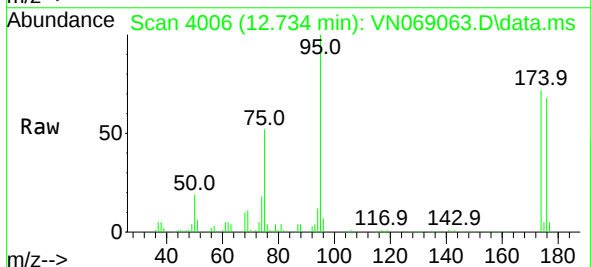
Instrument :
MSVOA_N
ClientSampleId :

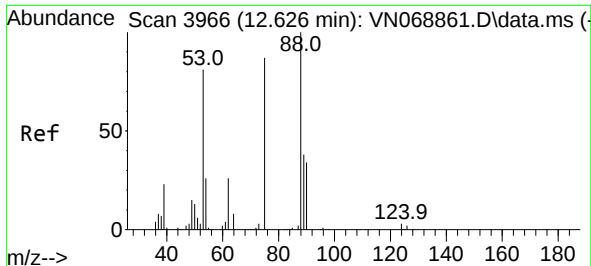
Tgt Ion:	43	Resp:	16413
Ion Ratio	Lower	Upper	
43	100		
70	0.8	32.2	48.2#
55	4.3	18.0	27.0#
61	8.9	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 31.253 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Tgt Ion:	75	Resp:	139158
Ion Ratio	Lower	Upper	
75	100		
77	1.1	96.2	288.4#

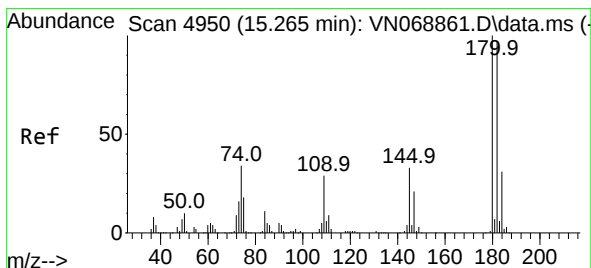
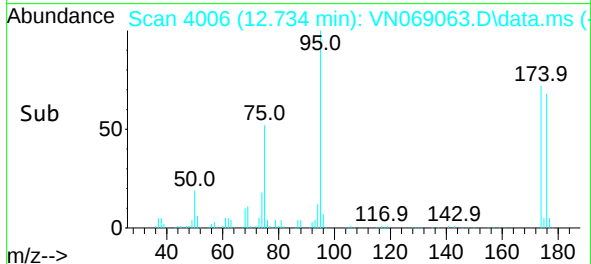
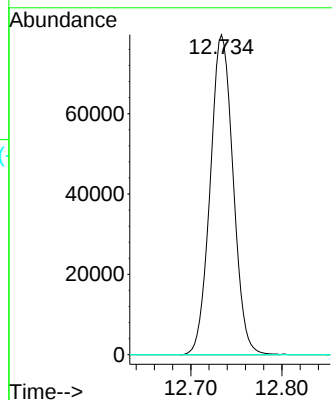
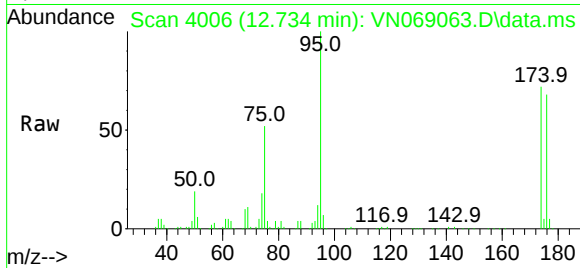




#81
trans-1,4-Dichloro-2-butene
Concen: 74.771 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

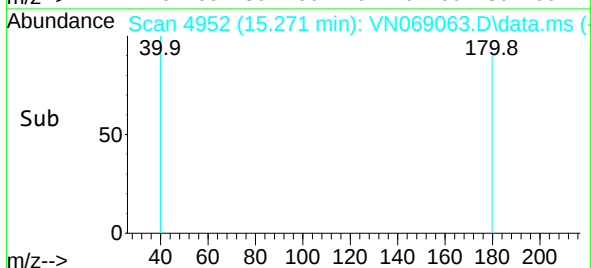
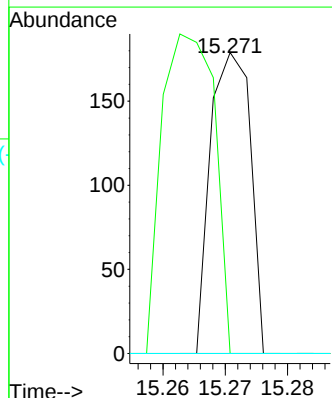
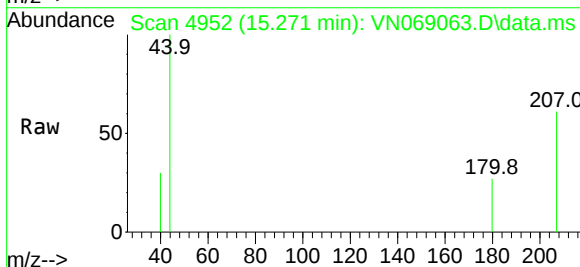
Instrument :
MSVOA_N
ClientSampleId :

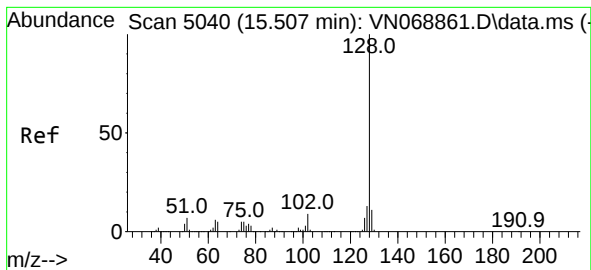
Tgt Ion: 75 Resp: 139158
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.623 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

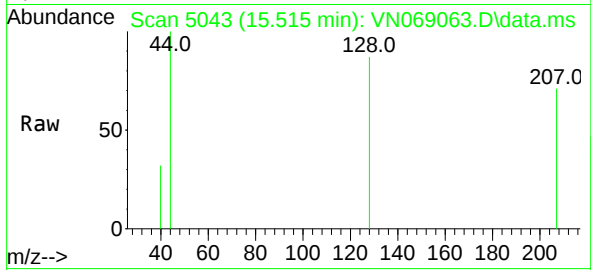
Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 138.8 47.9 143.7
145 0.0 16.4 49.2#





#95
Naphthalene
Concen: 3.903 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN069063.D
Acq: 20 Oct 2021 15:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 962
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

