

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069072.D
 Acq On : 20 Oct 2021 19:32
 Operator : JC/MD
 Sample : M4260-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:16:08 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)

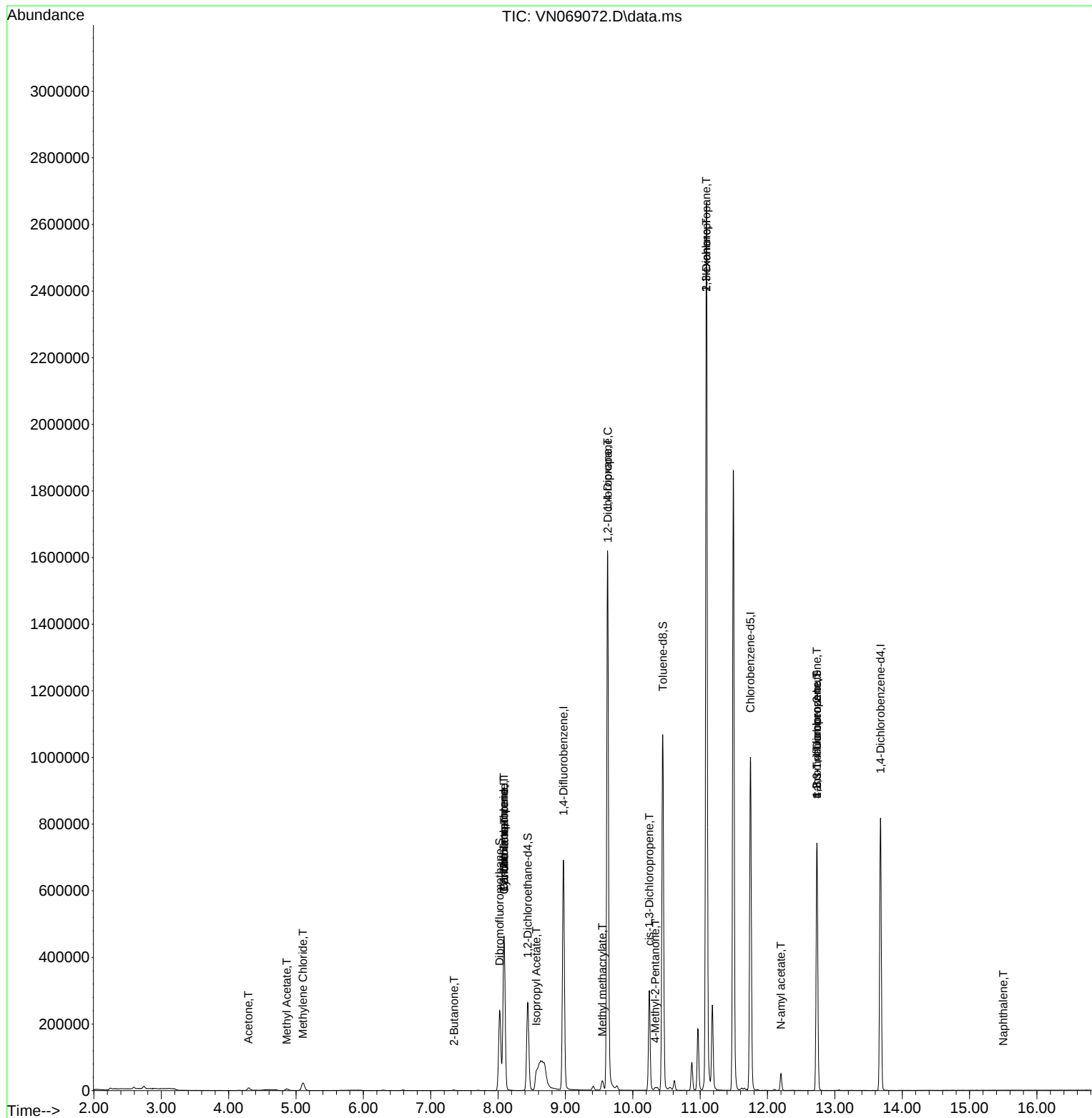
Internal Standards						
1) Pentafluorobenzene	8.088	168	347496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	613840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	589536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	218305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225736	49.270	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.540%		
35) Dibromofluoromethane	8.024	113	178870	50.084	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.160%		
50) Toluene-d8	10.446	98	770863	53.946	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.900%		
62) 4-Bromofluorobenzene	12.734	95	271605	50.378	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.760%		
Target Compounds					Qvalue	
16) Acetone	4.293	43	14498	8.480	ug/l	97
18) Methyl Acetate	4.865	43	10689	1.648	ug/l	96
20) Methylene Chloride	5.103	84	19158	4.868	ug/l	92
25) 2-Butanone	7.346	43	3410	1.319	ug/l	94
31) Cyclohexane	8.091	56	7833	1.100	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	28387	5.414	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36698	6.373	ug/l #	16
43) Isopropyl Acetate	8.569	43	56281	5.891	ug/l #	80
45) 1,2-Dichloropropane	9.631	63	1959	0.473	ug/l #	43
48) Methyl methacrylate	9.547	41	7381	1.644	ug/l #	13
49) 1,4-Dioxane	9.628	88	85	36.570	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4514	0.815	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	56313	8.153	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	29918	4.480	ug/l #	42
59) 2-Hexanone	11.092	43	414740	104.391	ug/l #	50
74) N-amyl acetate	12.197	43	16653	2.419	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	142143	30.602	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	142143	73.213	ug/l #	12
95) Naphthalene	15.501	128	218	3.832	ug/l #	69

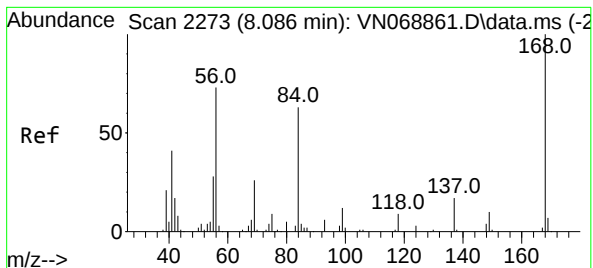
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN069072.D

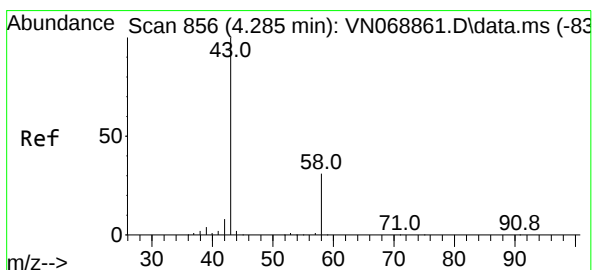
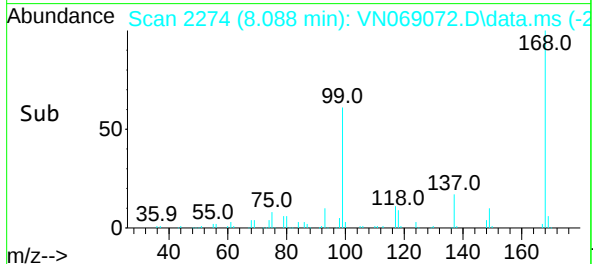
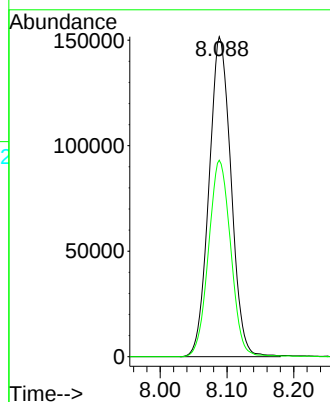
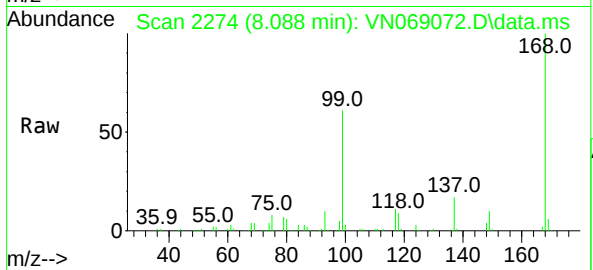
Acq: 20 Oct 2021 19:32

Tgt Ion:168 Resp: 347496

Ion Ratio Lower Upper

168 100

99 61.4 48.9 73.3



#16

Acetone

Concen: 8.480 ug/l

RT: 4.293 min Scan# 859

Delta R.T. 0.008 min

Lab File: VN069072.D

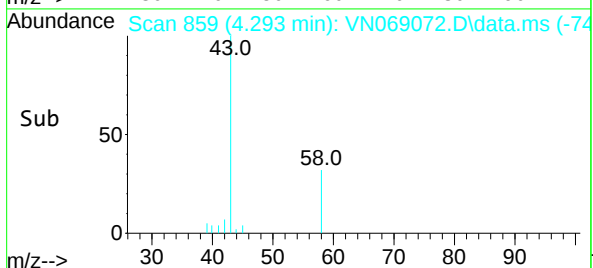
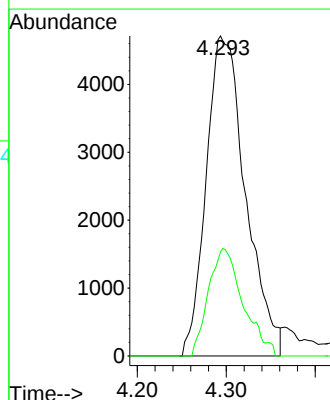
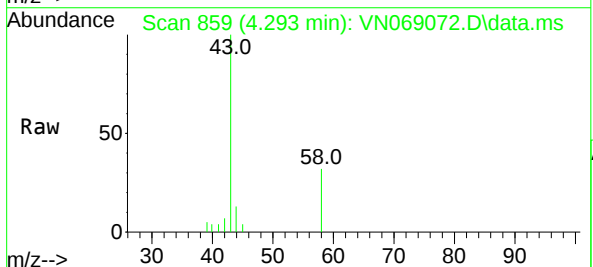
Acq: 20 Oct 2021 19:32

Tgt Ion: 43 Resp: 14498

Ion Ratio Lower Upper

43 100

58 32.5 24.5 36.7

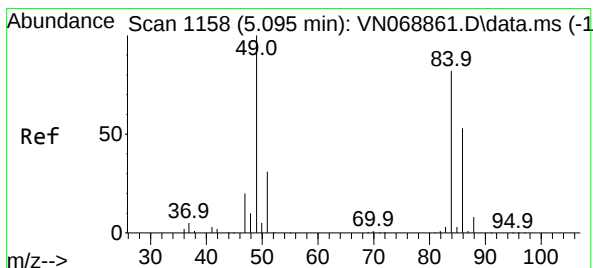
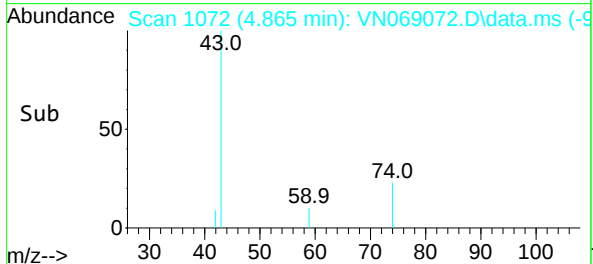
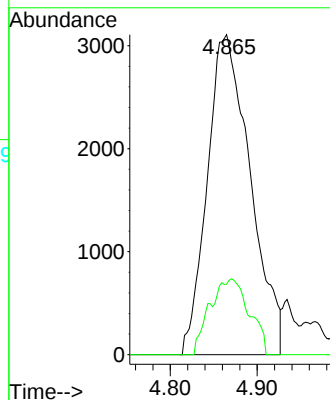
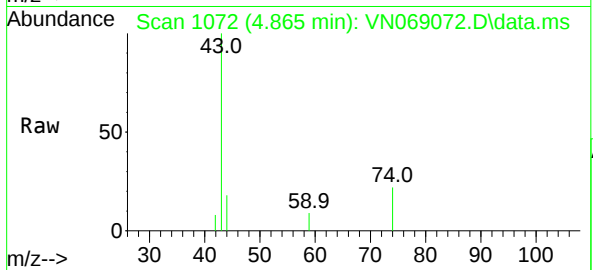




#18
Methyl Acetate
Concen: 1.648 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

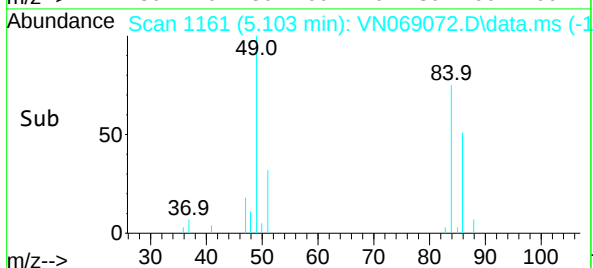
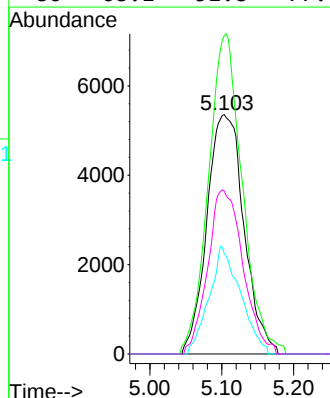
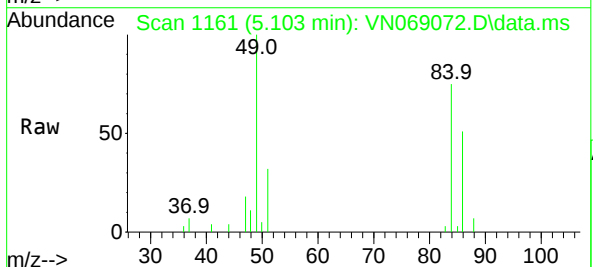
Instrument :
MSVOA_N
ClientSampled :

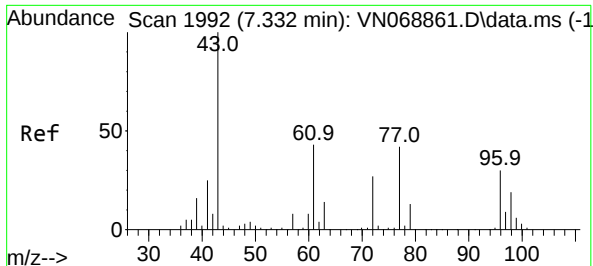
Tgt Ion: 43 Resp: 10689
Ion Ratio Lower Upper
43 100
74 21.6 18.9 28.3



#20
Methylene Chloride
Concen: 4.868 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 84 Resp: 19158
Ion Ratio Lower Upper
84 100
49 133.0 97.6 146.4
51 42.0 30.3 45.5
86 68.1 51.8 77.6

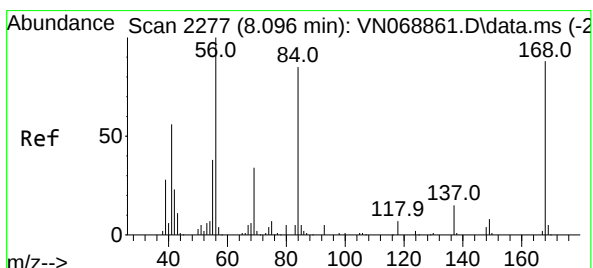
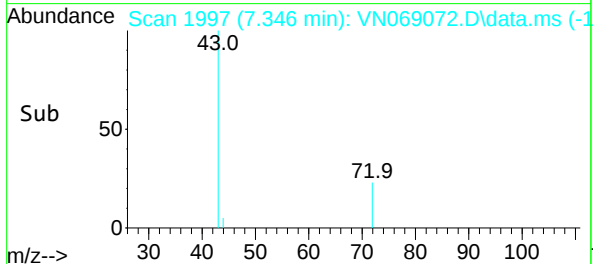
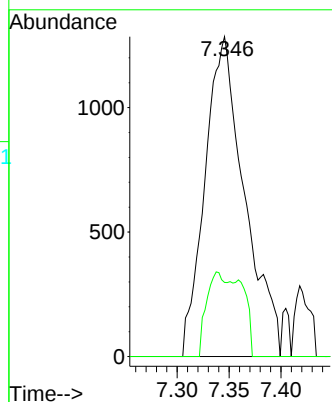
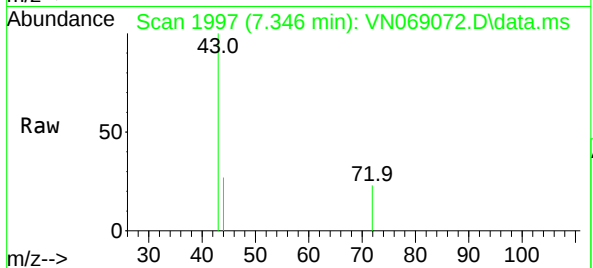




#25
2-Butanone
Concen: 1.319 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.014 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

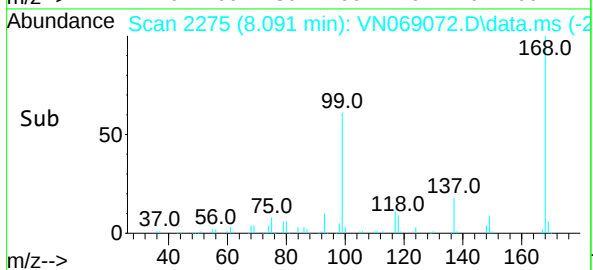
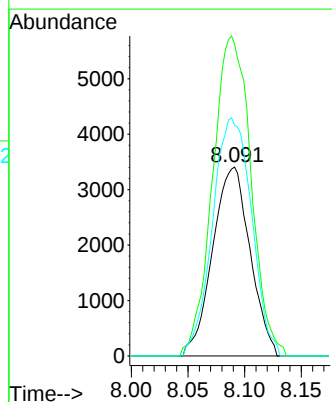
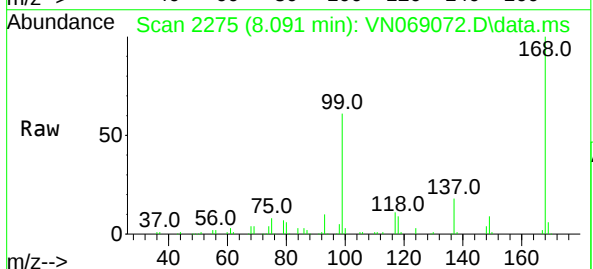
Instrument :
MSVOA_N
ClientSampled :

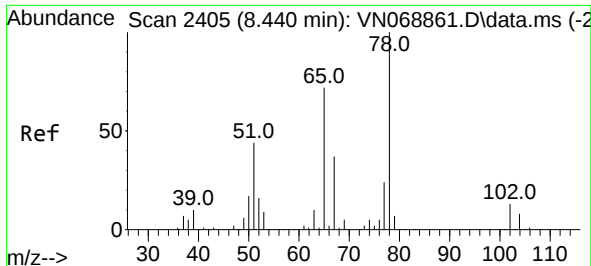
Tgt Ion: 43 Resp: 3410
Ion Ratio Lower Upper
43 100
72 23.2 21.2 31.8



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 56 Resp: 7833
Ion Ratio Lower Upper
56 100
69 165.1 26.9 40.3#
84 122.1 67.6 101.4#



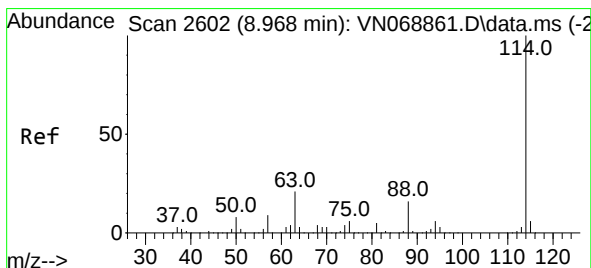
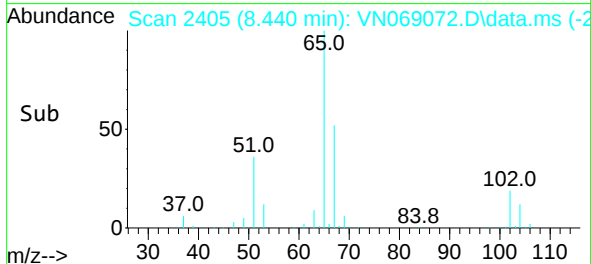
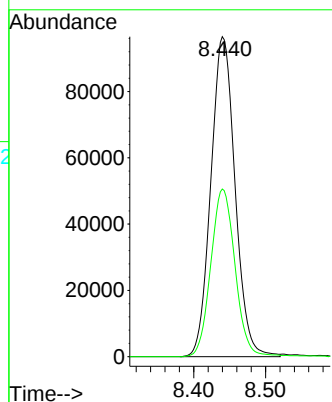
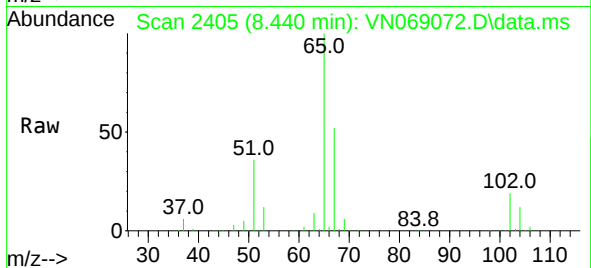


#33

1,2-Dichloroethane-d4
Concen: 49.270 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Instrument :
MSVOA_N
ClientSampled :

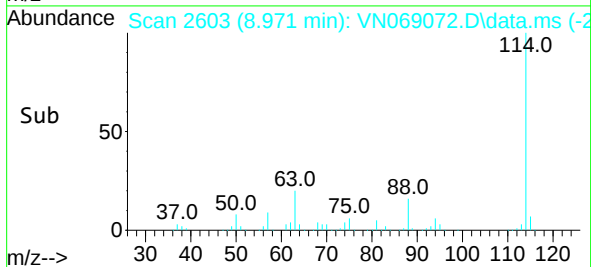
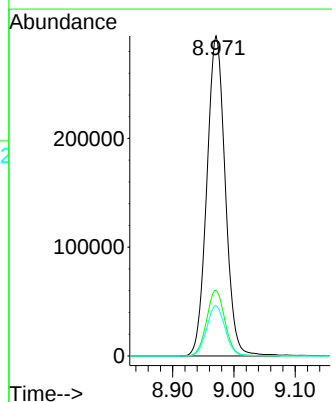
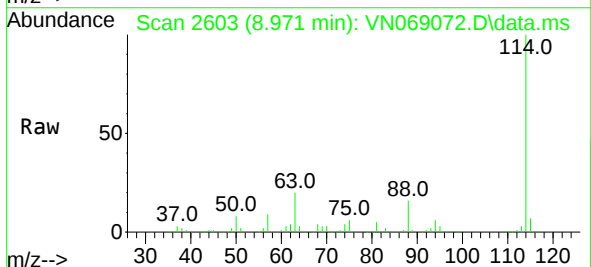
Tgt Ion: 65 Resp: 225736
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

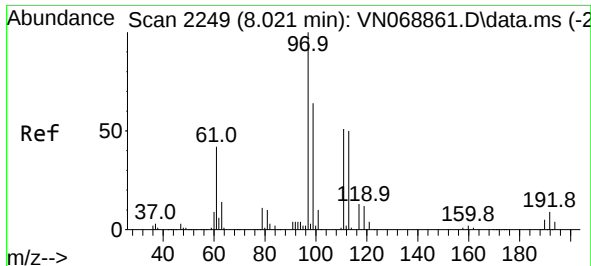


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 114 Resp: 613840
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 15.8 0.0 32.0

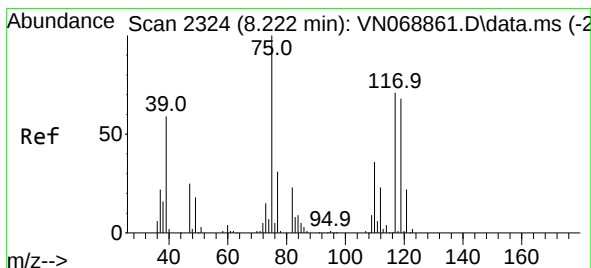
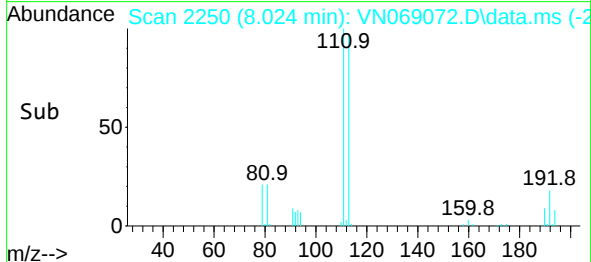
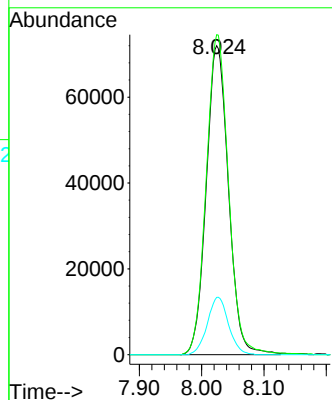
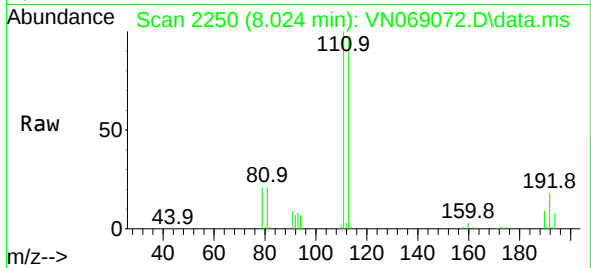




#35
Dibromofluoromethane
Concen: 50.084 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

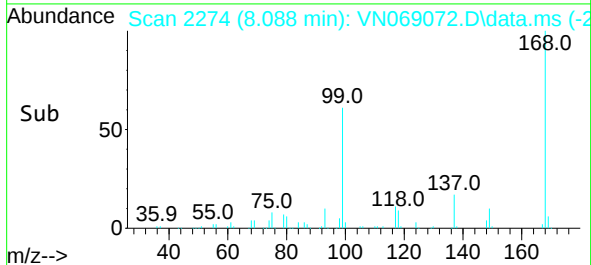
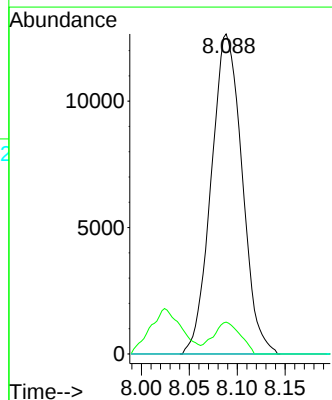
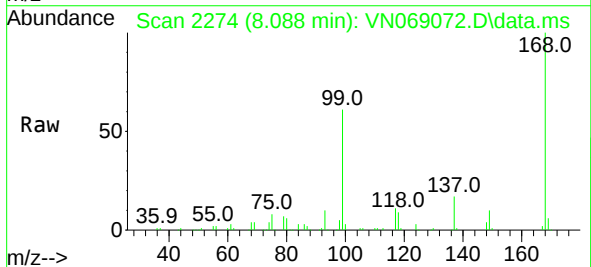
Instrument :
MSVOA_N
ClientSampled :

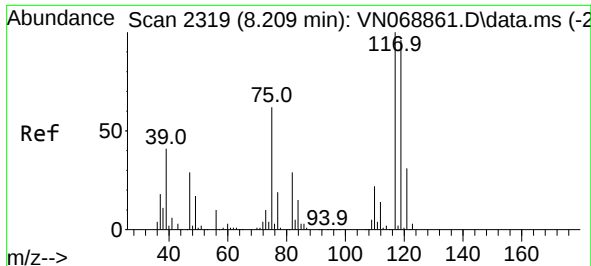
Tgt Ion:113 Resp: 178870
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.414 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

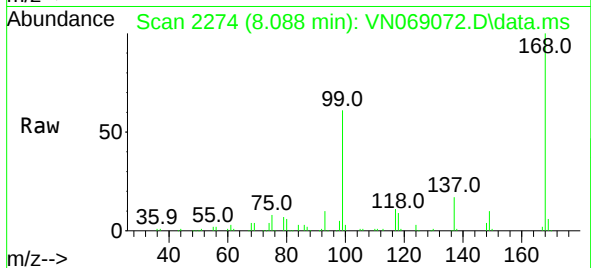
Tgt Ion: 75 Resp: 28387
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#



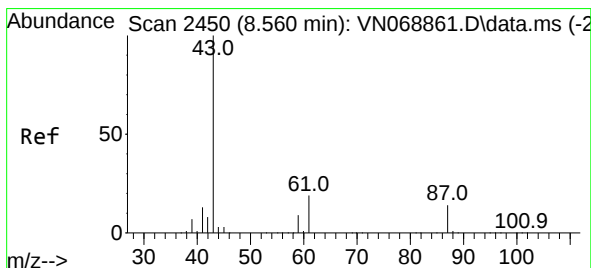
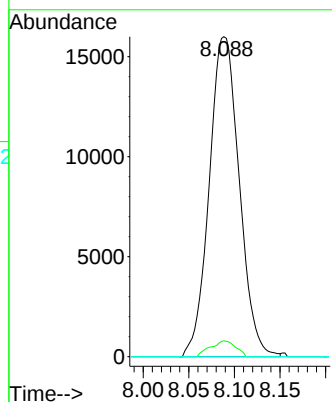
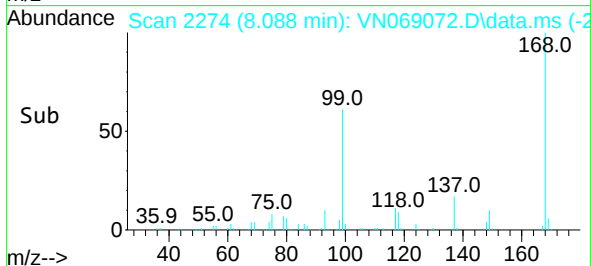


#38
Carbon Tetrachloride
Concen: 6.373 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

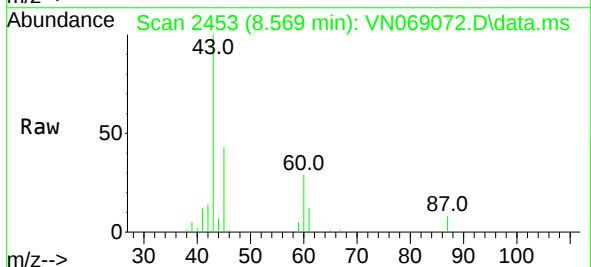
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MSVOA_N
ClientSampled :



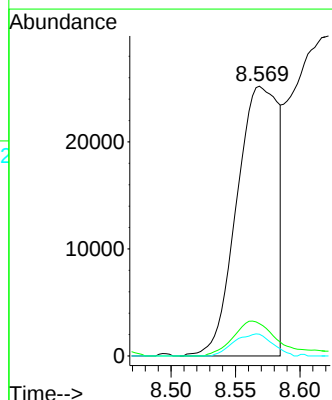
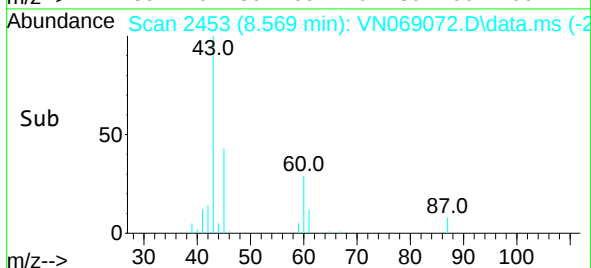
Tgt Ion:117 Resp: 36698
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#

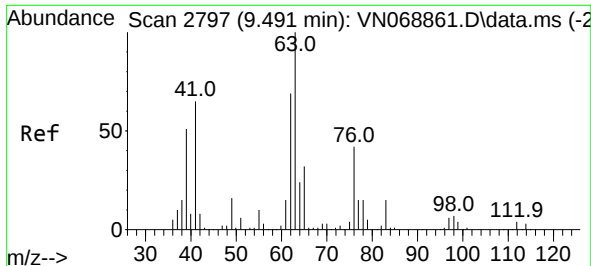


#43
Isopropyl Acetate
Concen: 5.891 ug/l
RT: 8.569 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32



Tgt Ion: 43 Resp: 56281
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 7.6 10.7 16.1#

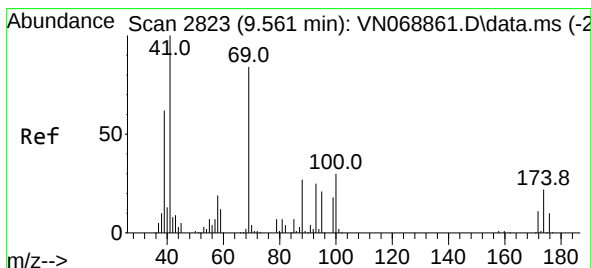
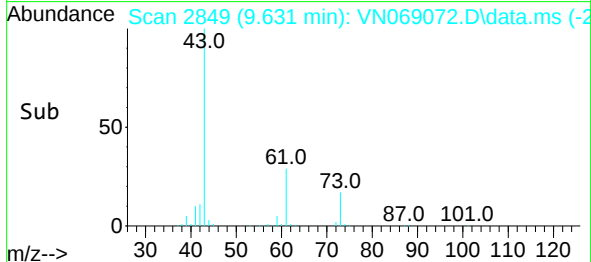
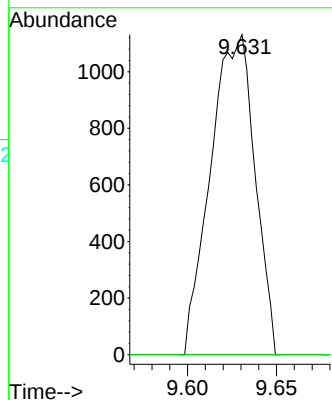
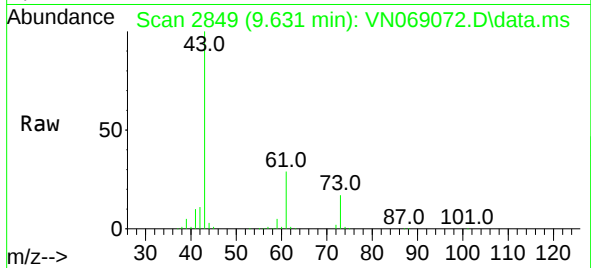




#45
1,2-Dichloropropane
Concen: 0.473 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

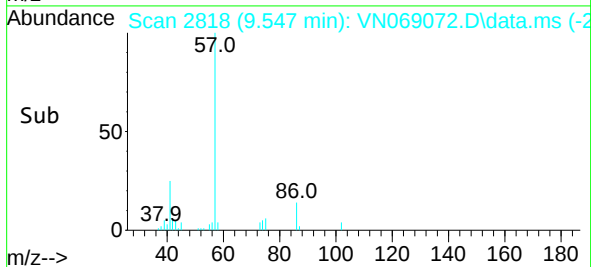
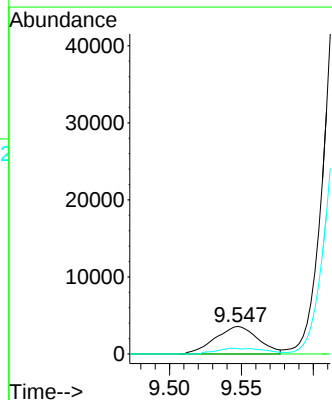
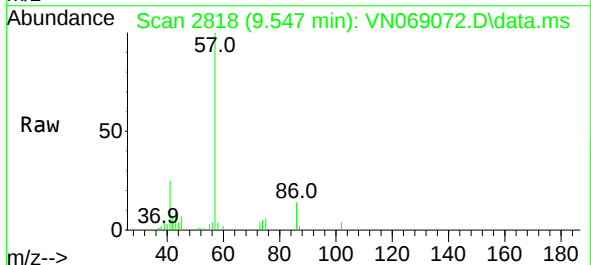
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ClientSampled :

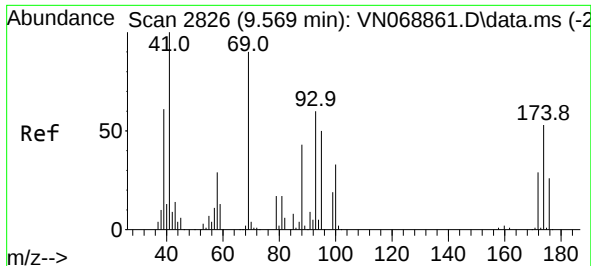
Tgt Ion: 63 Resp: 1959
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.644 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 41 Resp: 7381
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 36.570 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.059 min

Lab File: VN069072.D

Acq: 20 Oct 2021 19:32

Tgt Ion: 88 Resp: 85

Ion Ratio Lower Upper

88 100

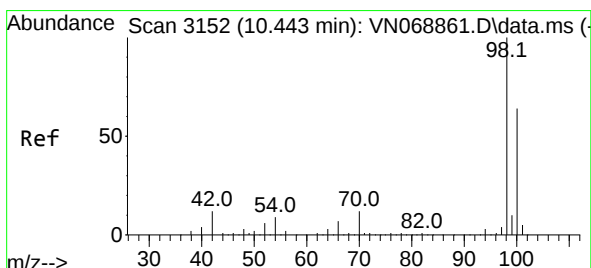
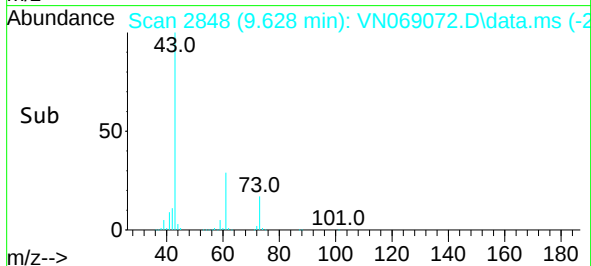
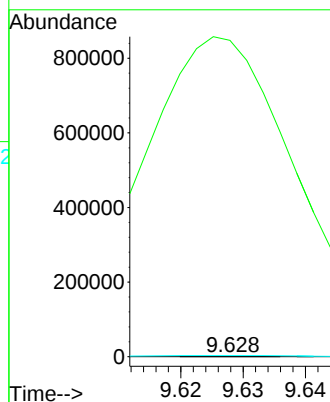
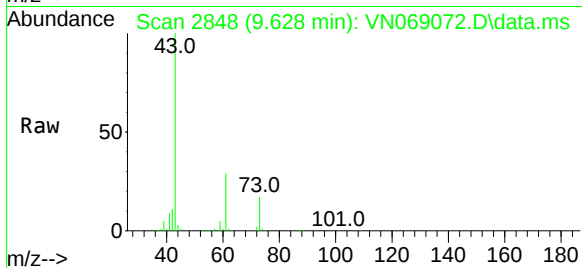
43 1916215.3 24.9 37.3#

58 7347.1 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.946 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN069072.D

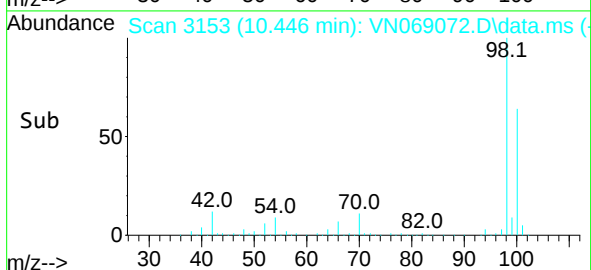
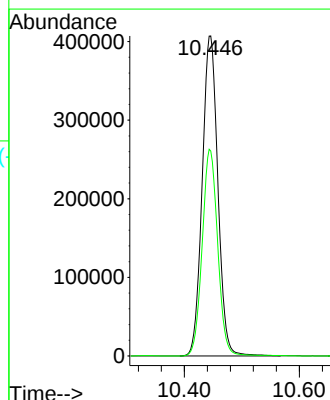
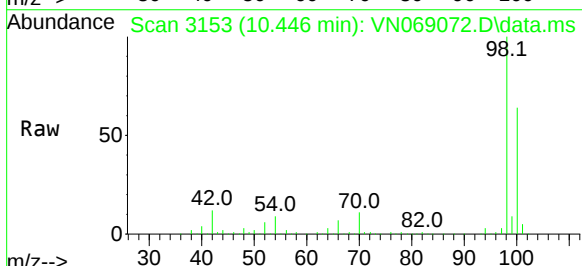
Acq: 20 Oct 2021 19:32

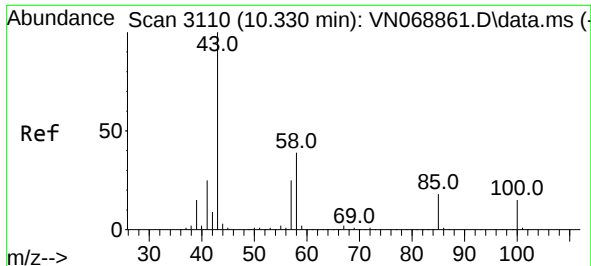
Tgt Ion: 98 Resp: 770863

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3

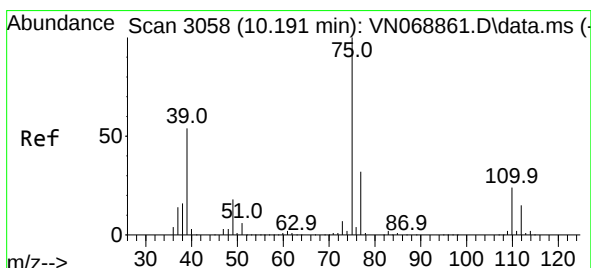
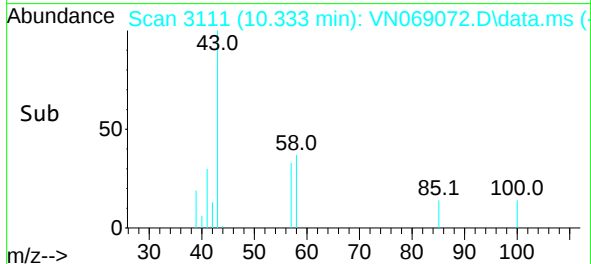
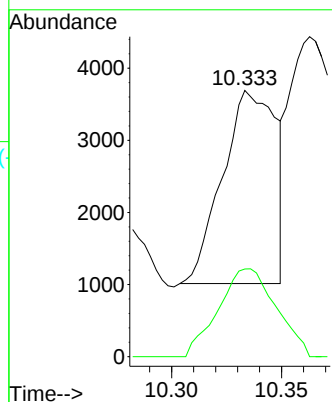
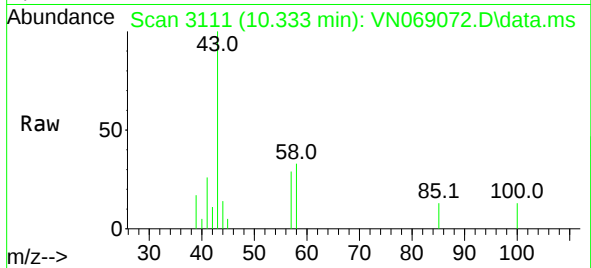




#51
4-Methyl-2-Pentanone
Concen: 0.815 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

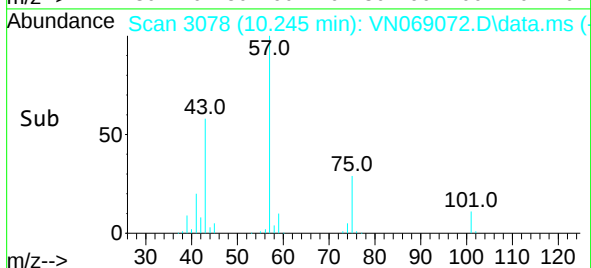
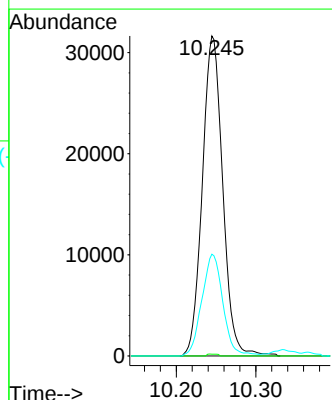
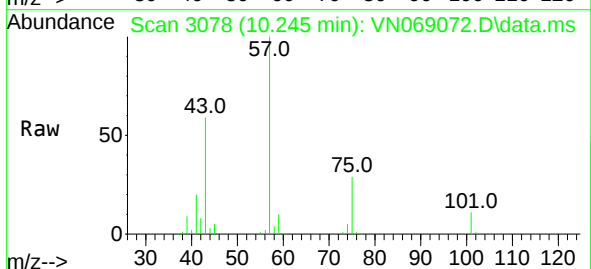
Instrument :
MSVOA_N
ClientSampled :

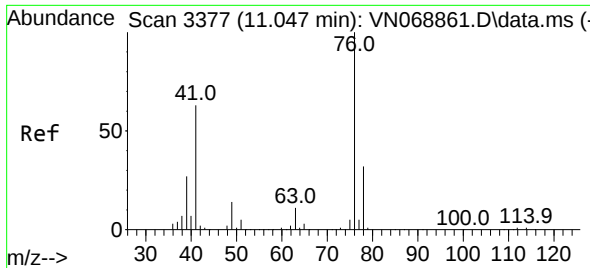
Tgt Ion: 43 Resp: 4514
Ion Ratio Lower Upper
43 100
58 49.2 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.153 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 75 Resp: 56313
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.8 42.9 64.3#

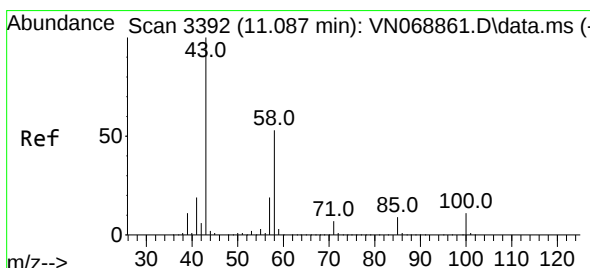
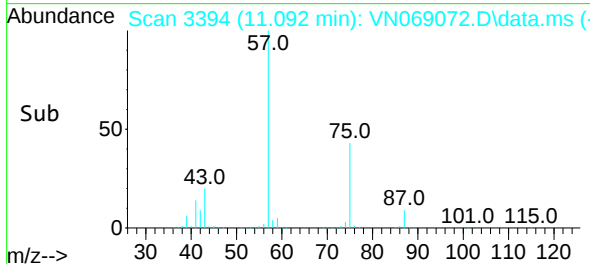
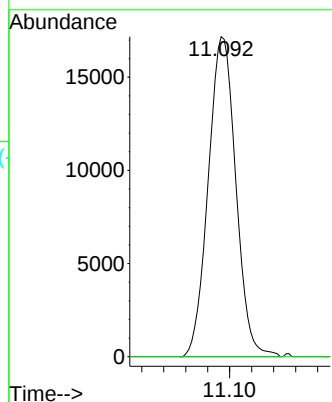
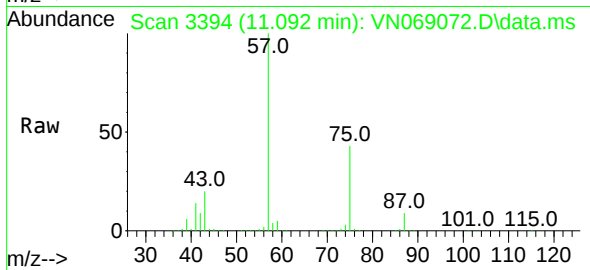




#57
1,3-Dichloropropane
Concen: 4.480 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

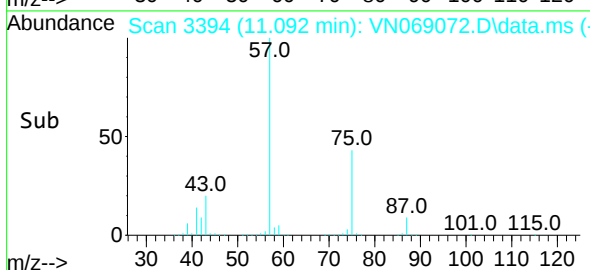
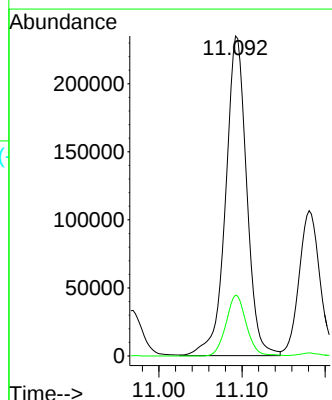
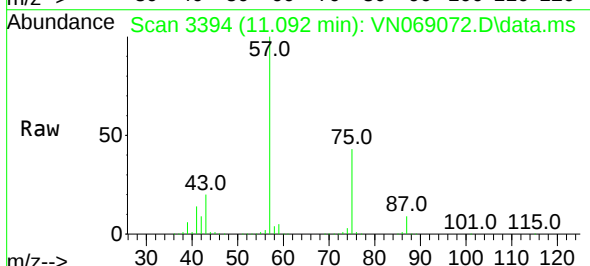
Instrument :
MSVOA_N
ClientSampled :

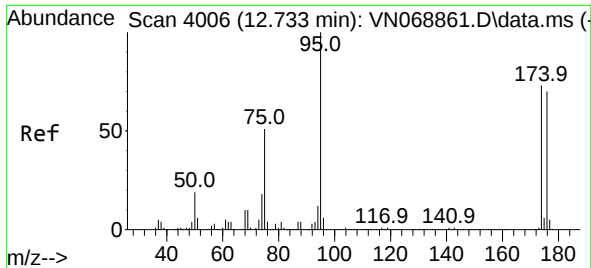
Tgt Ion: 76 Resp: 29918
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 104.391 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 43 Resp: 414740
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

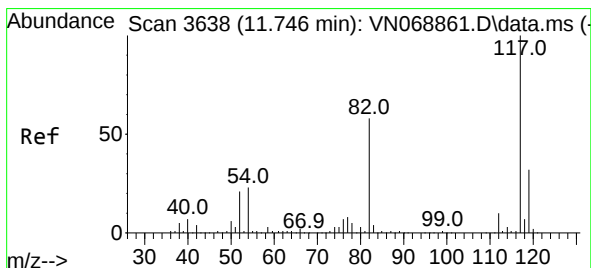
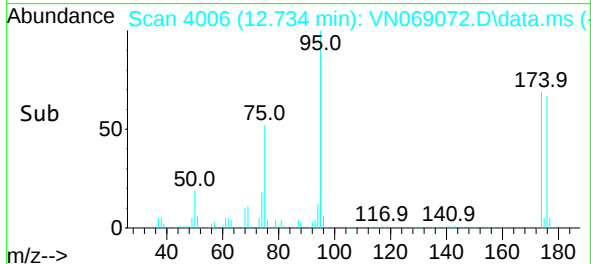
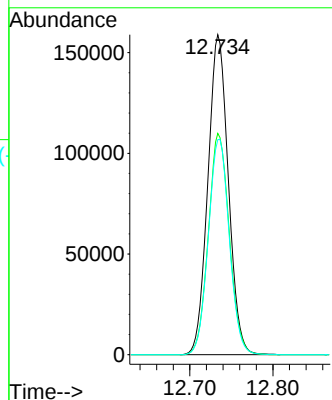
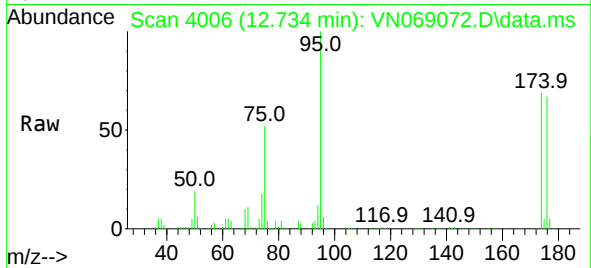




#62
4-Bromofluorobenzene
Concen: 50.378 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

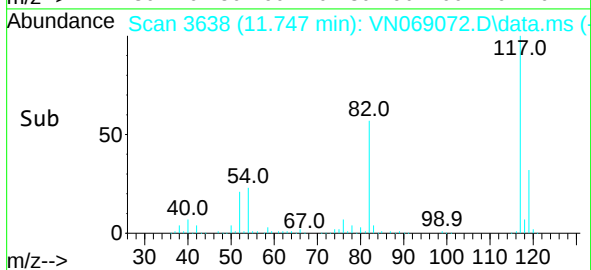
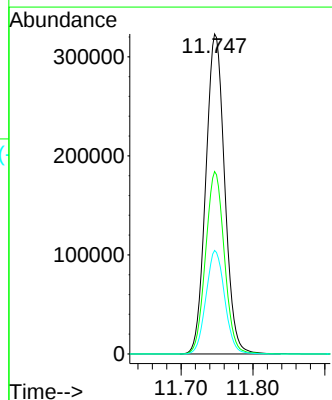
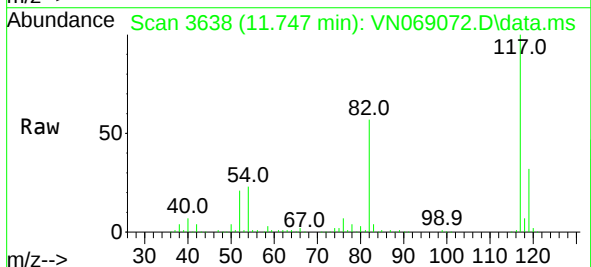
Instrument :
MSVOA_N
ClientSampled :

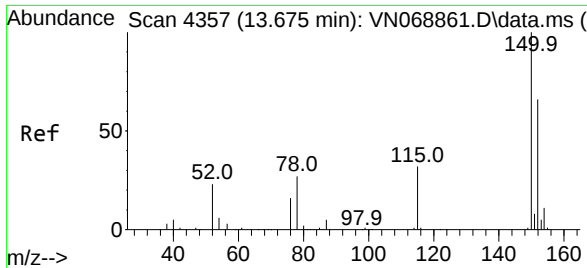
Tgt Ion: 95 Resp: 271605
Ion Ratio Lower Upper
95 100
174 70.8 0.0 144.8
176 69.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Tgt Ion: 117 Resp: 589536
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.4 26.0 39.0

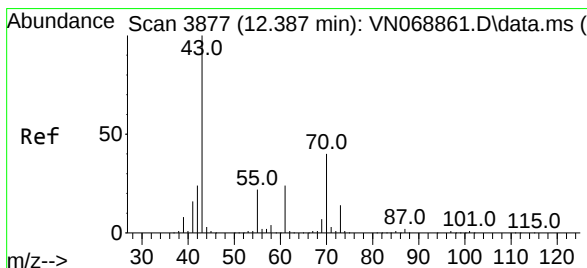
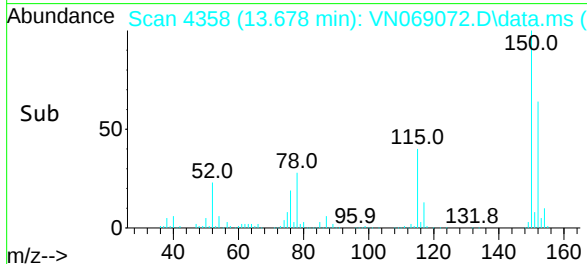
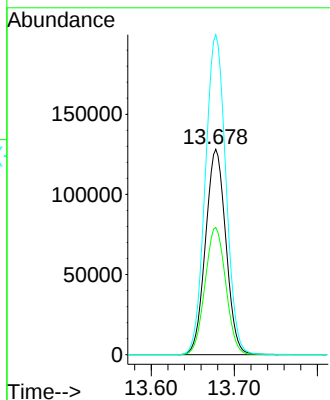
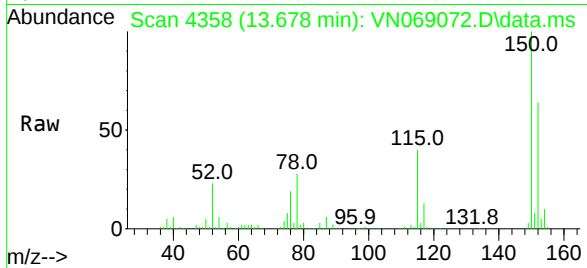




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069072.D
 Acq: 20 Oct 2021 19:32

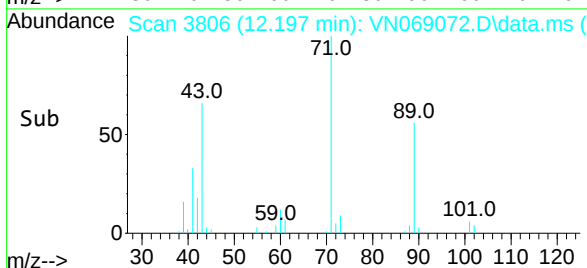
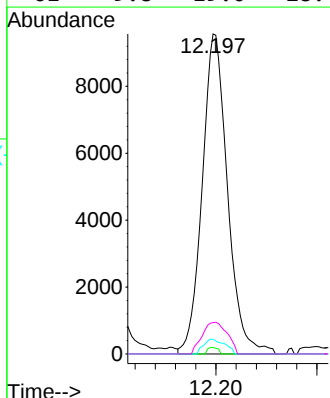
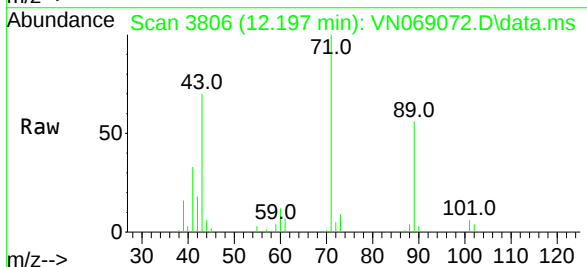
Instrument :
 MSVOA_N
 ClientSampled :

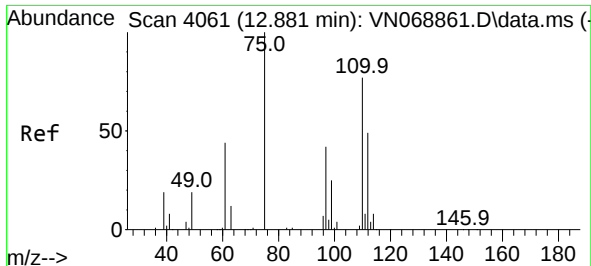
Tgt Ion:152 Resp: 218305
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.4 94.3
 150 157.3 0.0 351.0



#74
 N-ethyl acetate
 Concen: 2.419 ug/l
 RT: 12.197 min Scan# 3806
 Delta R.T. -0.190 min
 Lab File: VN069072.D
 Acq: 20 Oct 2021 19:32

Tgt Ion: 43 Resp: 16653
 Ion Ratio Lower Upper
 43 100
 70 0.8 32.2 48.2#
 55 3.8 18.0 27.0#
 61 9.8 19.0 28.4#

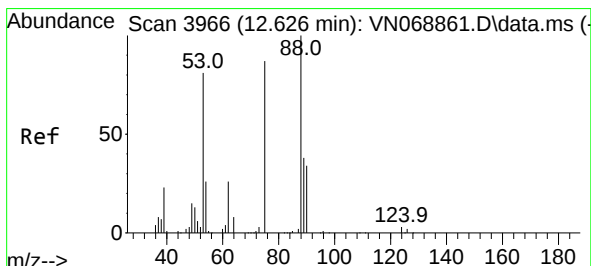
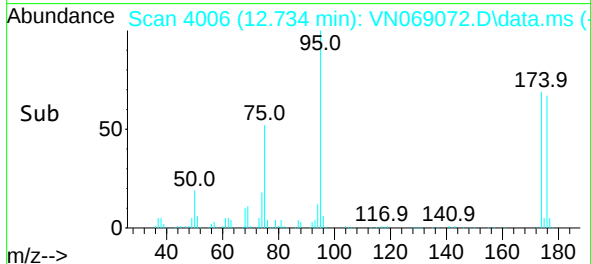
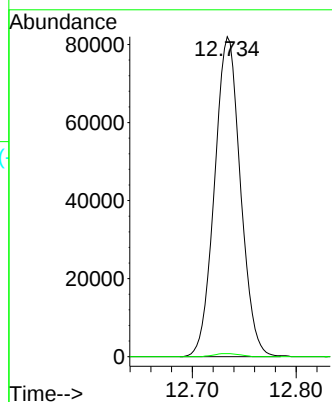
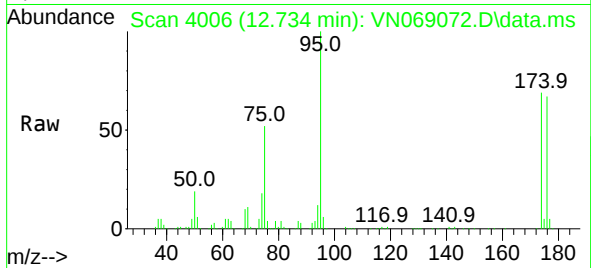




#76
1,2,3-Trichloropropane
Concen: 30.602 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

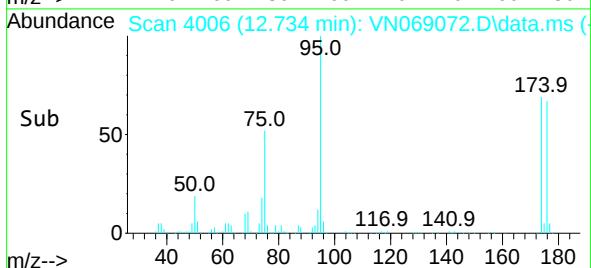
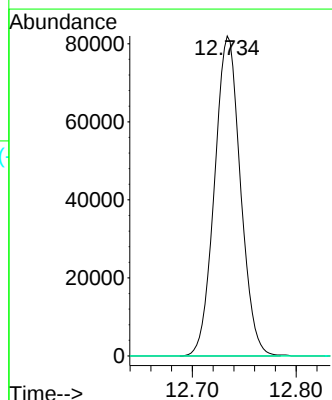
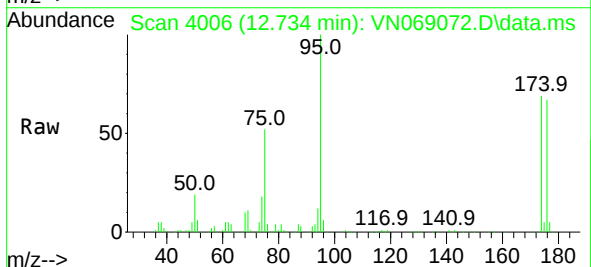
Instrument :
MSVOA_N
ClientSampled :

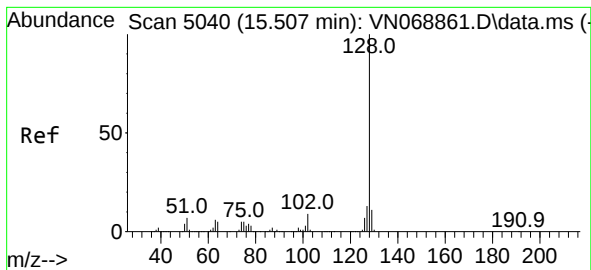
Tgt Ion: 75 Resp: 142143
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.213 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

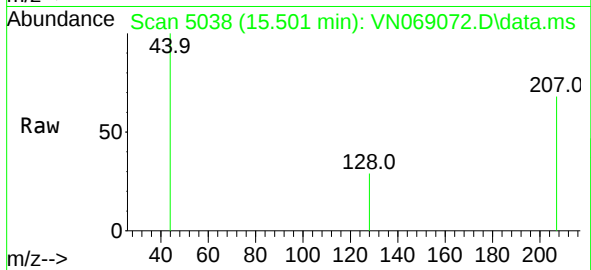
Tgt Ion: 75 Resp: 142143
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.832 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069072.D
Acq: 20 Oct 2021 19:32

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 218
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

