

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069013.D
 Acq On : 19 Oct 2021 6:15
 Operator : JC/MD
 Sample : M4242-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

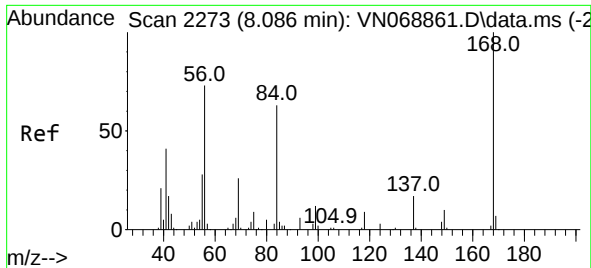
Quant Time: Oct 19 10:00:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	340818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	586711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	563580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	207801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	217359	48.371	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.740%		
35) Dibromofluoromethane	8.024	113	174064	50.992	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.980%		
50) Toluene-d8	10.443	98	740411	54.210	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.420%		
62) 4-Bromofluorobenzene	12.733	95	260499	50.552	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.100%		
Target Compounds						
					Qvalue	
16) Acetone	4.291	43	20807	12.408	ug/l	96
18) Methyl Acetate	4.862	43	7704	1.211	ug/l #	78
20) Methylene Chloride	5.101	84	10935	2.833	ug/l	98
25) 2-Butanone	7.343	43	3768	1.486	ug/l #	90
29) Tetrahydrofuran	7.699	42	996	0.606	ug/l #	68
31) Cyclohexane	8.083	56	7563	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28016	5.590	ug/l #	48
37) Ethyl Acetate	7.343	43	3768	0.728	ug/l #	68
38) Carbon Tetrachloride	8.088	117	35777	6.500	ug/l #	15
41) Methacrylonitrile	7.699	41	754	0.289	ug/l #	31
43) Isopropyl Acetate	8.563	43	50623	5.543	ug/l #	83
45) 1,2-Dichloropropane	9.622	63	2107	0.532	ug/l #	43
48) Methyl methacrylate	9.545	41	8158	1.901	ug/l #	13
49) 1,4-Dioxane	9.622	88	116	36.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4597	0.868	ug/l #	67
54) cis-1,3-Dichloropropene	10.242	75	58126	8.805	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31795	4.981	ug/l #	42
59) 2-Hexanone	11.092	43	453067	119.311	ug/l #	50
71) Bromoform	12.731	173	1364	0.408	ug/l #	1
74) N-amyl acetate	12.197	43	19766	3.016	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	134636	30.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134636	72.852	ug/l #	12
95) Naphthalene	15.504	128	56	3.817	ug/l #	69

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

Quant Time: Oct 19 10:00:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
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Response via : Initial Calibration

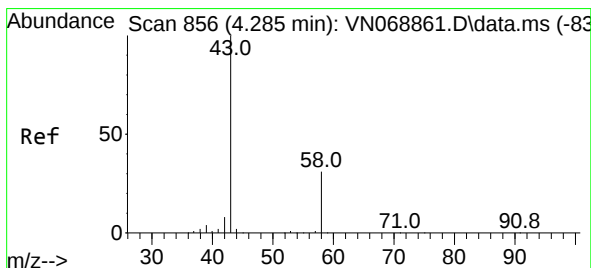
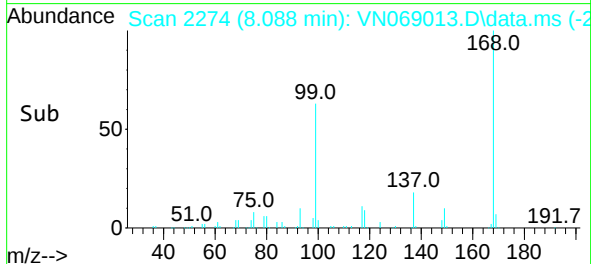
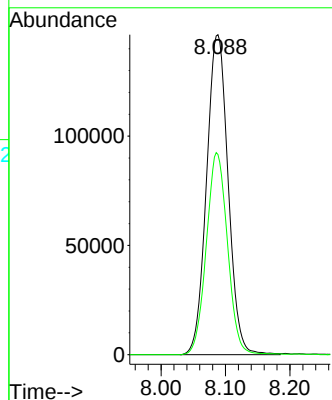
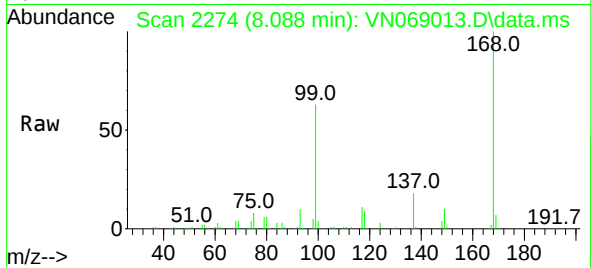




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

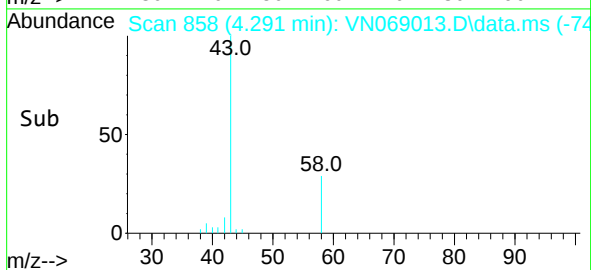
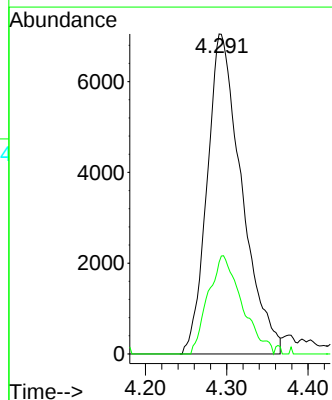
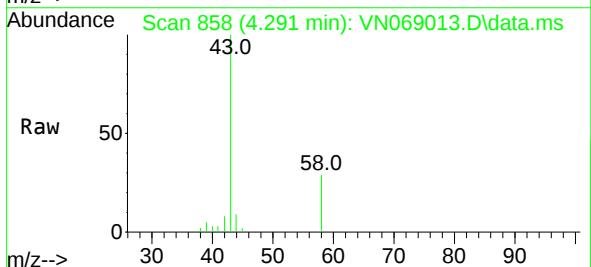
Instrument :
MSVOA_N
ClientSampled :

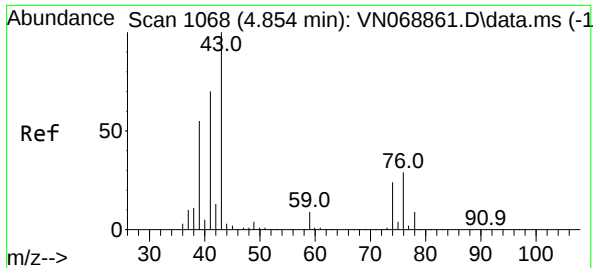
Tgt Ion:168 Resp: 340818
Ion Ratio Lower Upper
168 100
99 62.5 48.9 73.3



#16
Acetone
Concen: 12.408 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.005 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 43 Resp: 20807
Ion Ratio Lower Upper
43 100
58 28.6 24.5 36.7





#18

Methyl Acetate

Concen: 1.211 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN069013.D

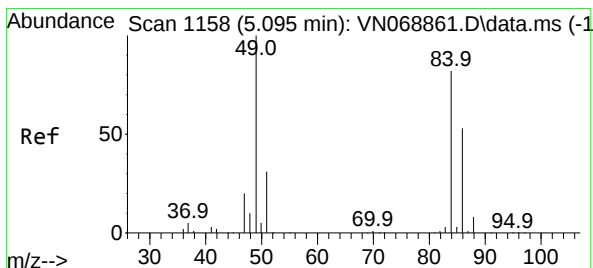
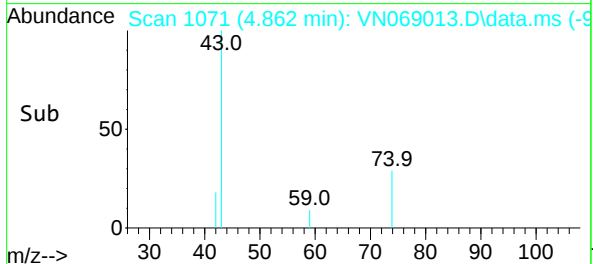
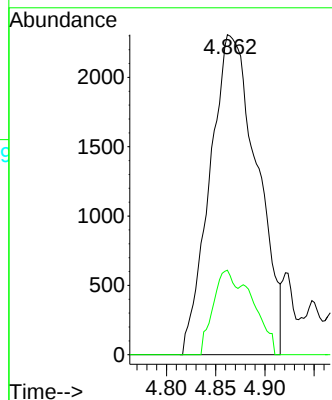
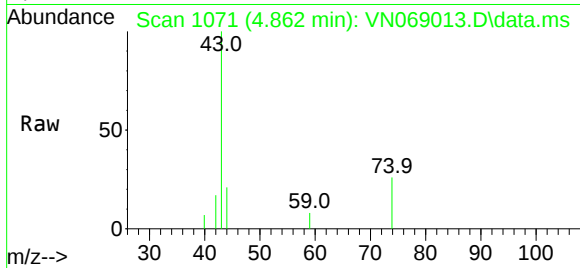
Acq: 19 Oct 2021 6:15

Tgt Ion: 43 Resp: 7704

Ion Ratio Lower Upper

43 100

74 12.8 18.9 28.3#



#20

Methylene Chloride

Concen: 2.833 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.005 min

Lab File: VN069013.D

Acq: 19 Oct 2021 6:15

Tgt Ion: 84 Resp: 10935

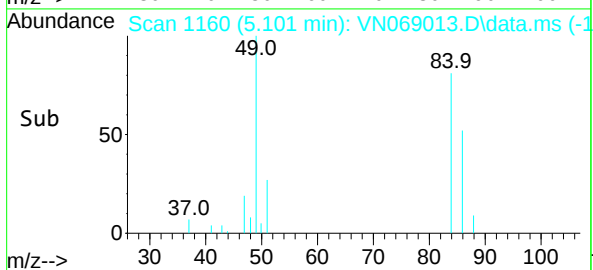
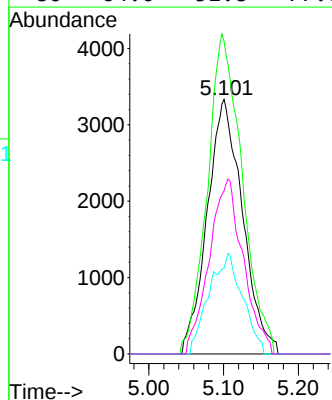
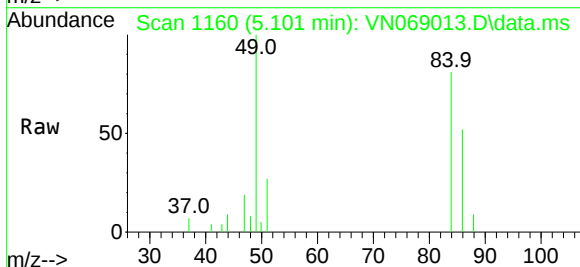
Ion Ratio Lower Upper

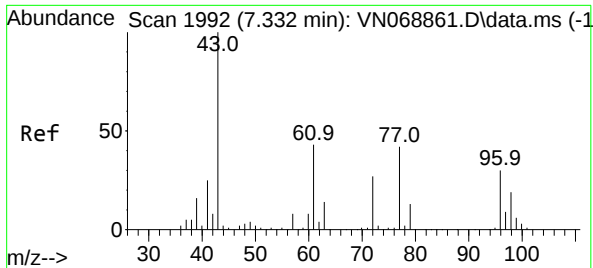
84 100

49 122.9 97.6 146.4

51 33.7 30.3 45.5

86 64.0 51.8 77.6

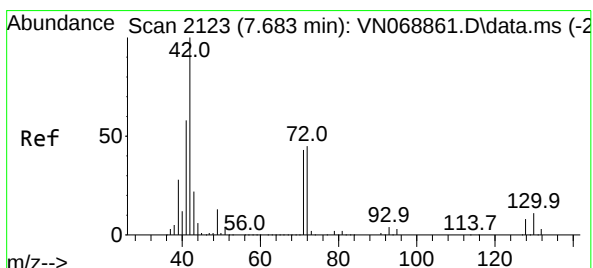
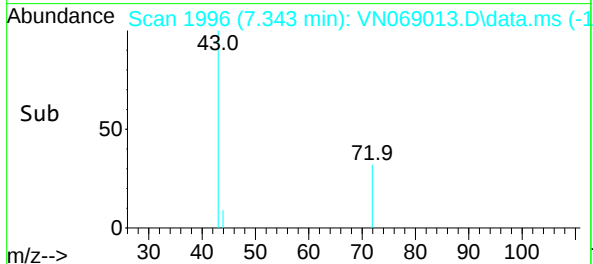
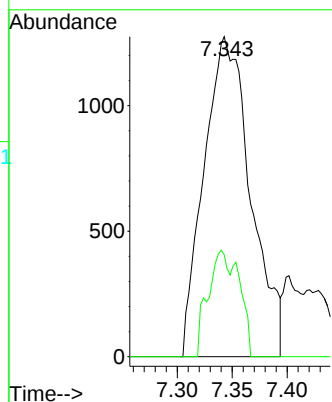
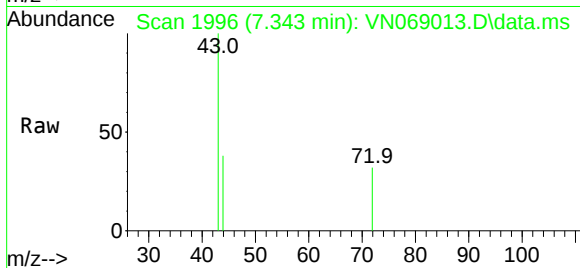




#25
2-Butanone
Concen: 1.486 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

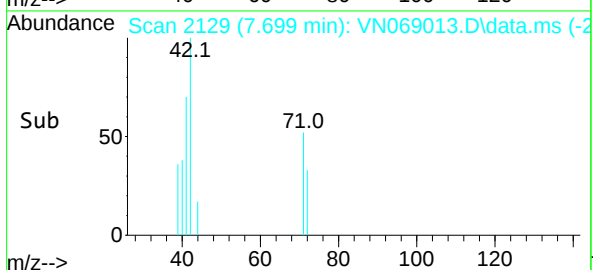
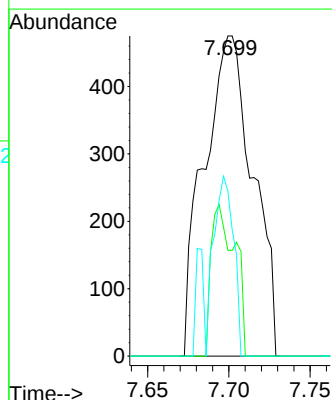
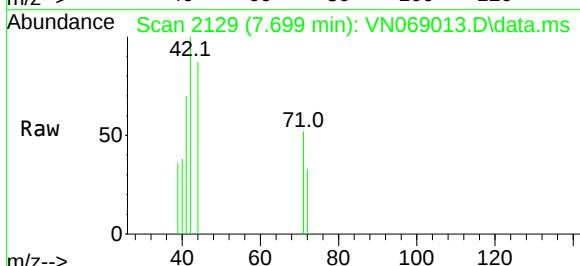
Instrument :
MSVOA_N
ClientSampleId :

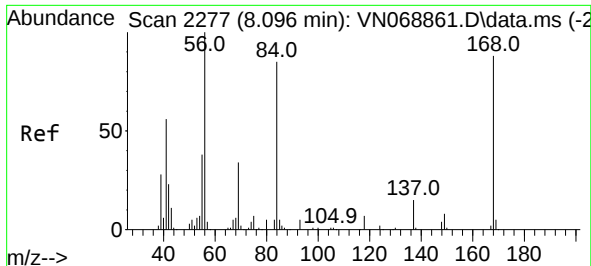
Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
72 31.8 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.606 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 42 Resp: 996
Ion Ratio Lower Upper
42 100
72 22.9 35.4 53.2#
71 22.9 33.8 50.6#

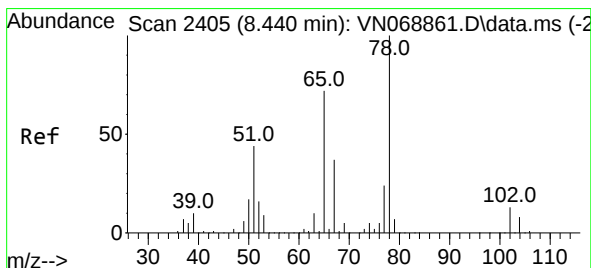
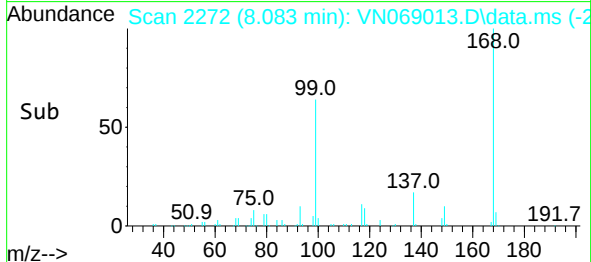
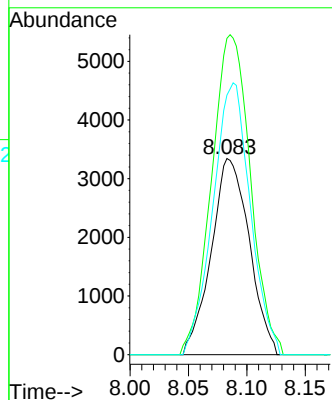
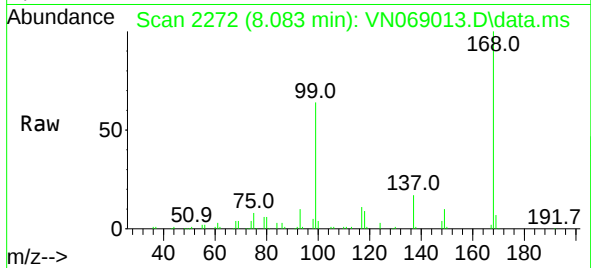




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

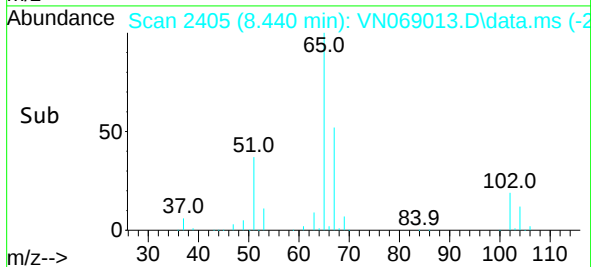
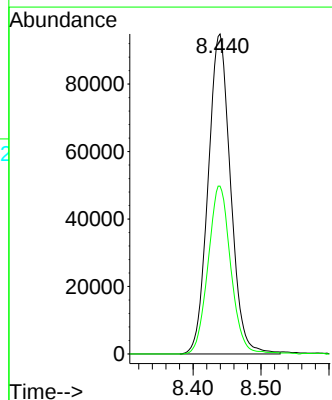
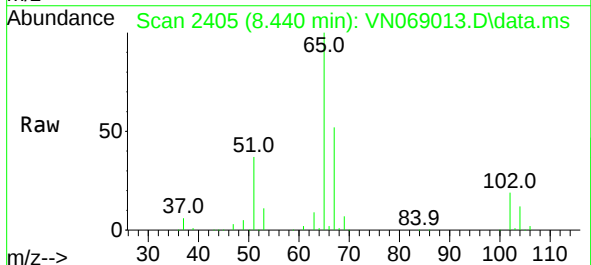
Instrument :
MSVOA_N
ClientSampled :

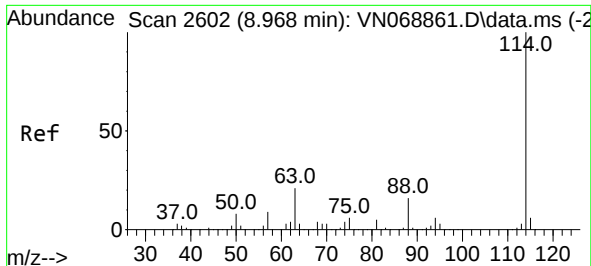
Tgt Ion: 56 Resp: 7563
Ion Ratio Lower Upper
56 100
69 161.2 26.9 40.3#
84 132.3 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.371 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 65 Resp: 217359
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.8

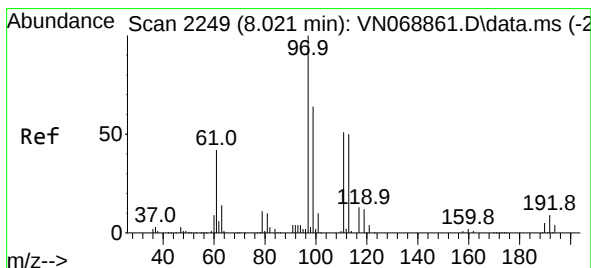
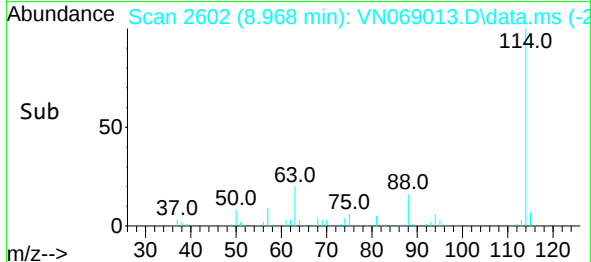
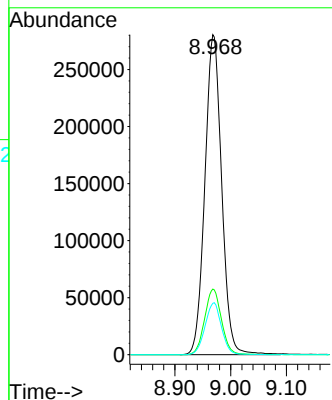
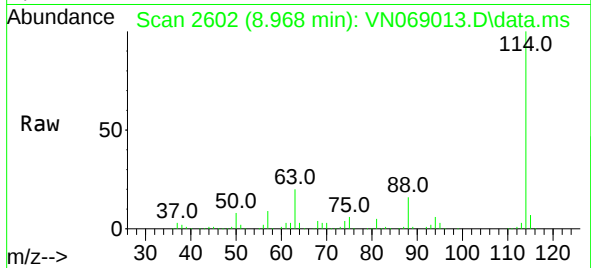




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

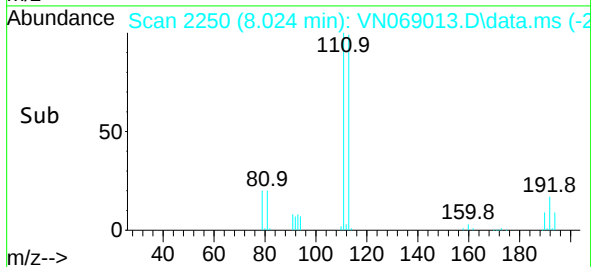
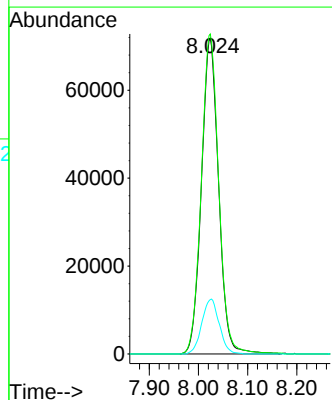
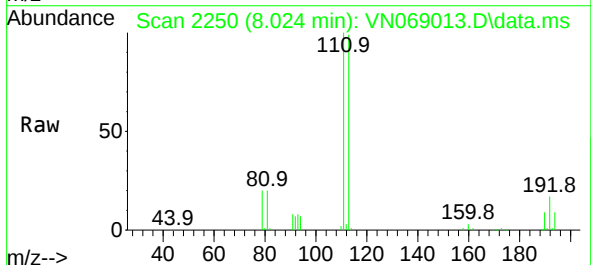
Instrument :
MSVOA_N
ClientSampled :

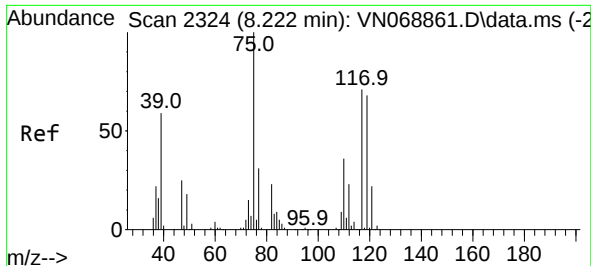
Tgt Ion:114 Resp: 586711
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.992 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

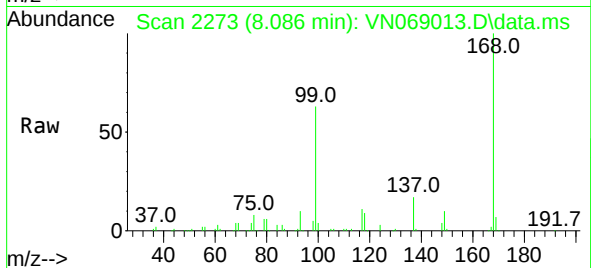
Tgt Ion:113 Resp: 174064
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 17.6 15.0 22.4



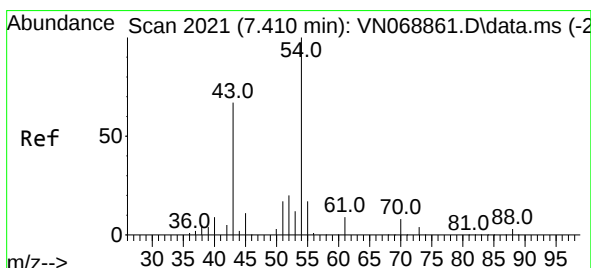
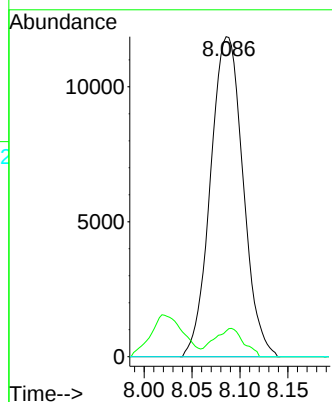
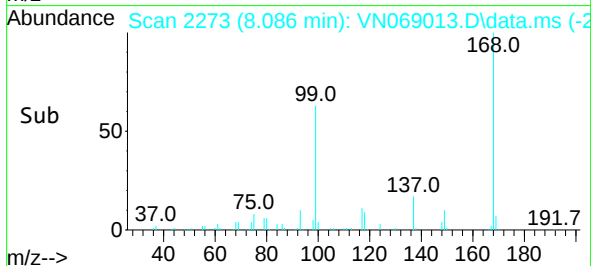


#36
1,1-Dichloropropene
Concen: 5.590 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

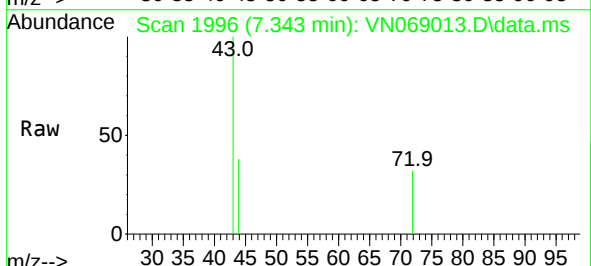
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MSVOA_N
ClientSampled :



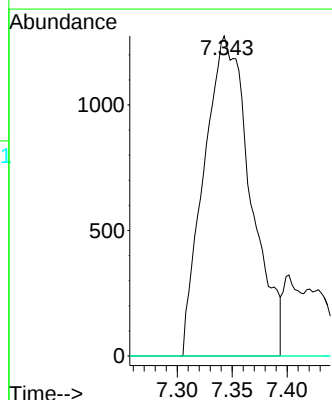
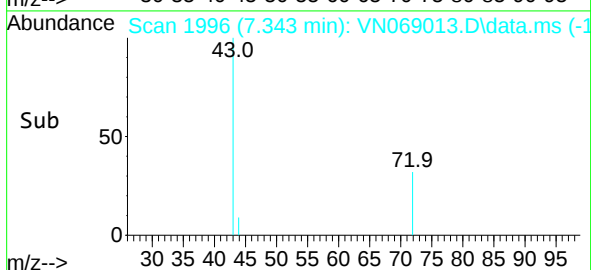
Tgt Ion: 75 Resp: 28016
Ion Ratio Lower Upper
75 100
110 8.0 17.9 53.8#
77 0.0 24.7 37.1#

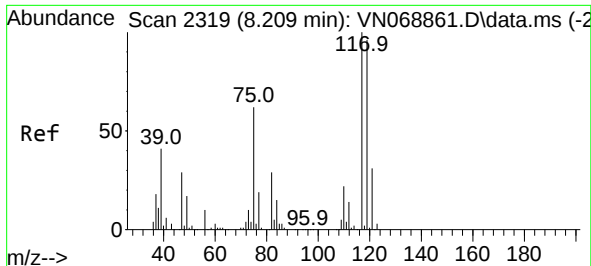


#37
Ethyl Acetate
Concen: 0.728 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.067 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15



Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

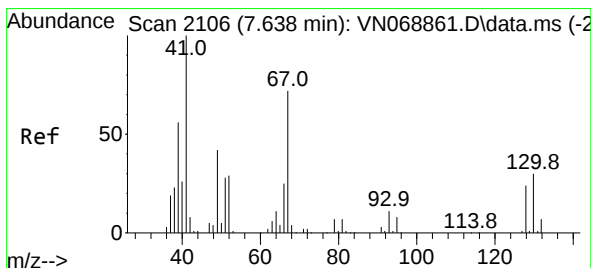
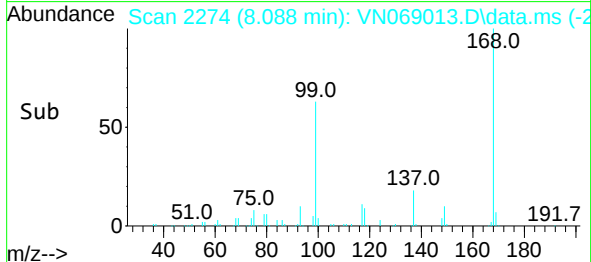
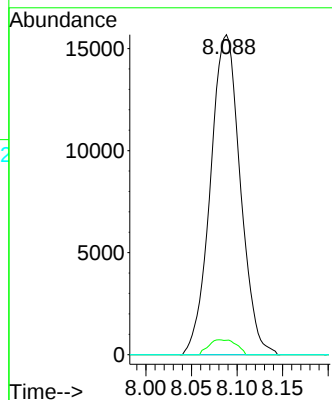
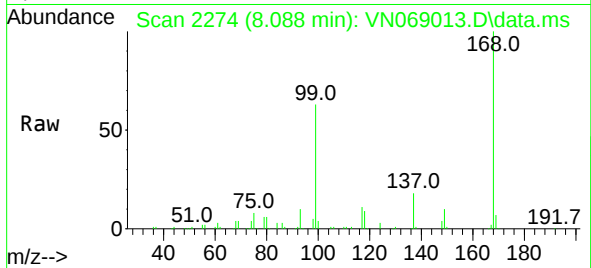




#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

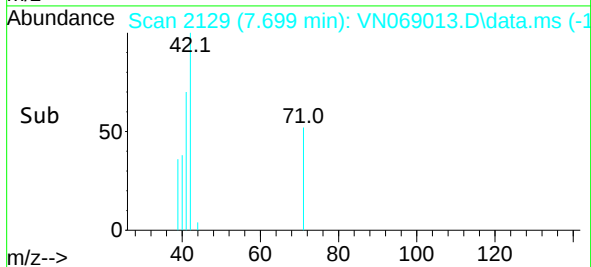
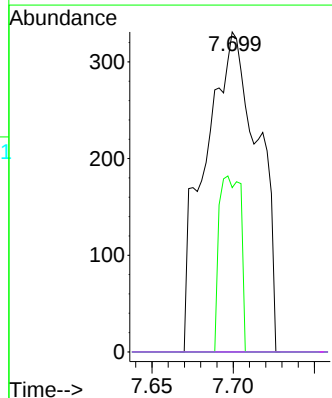
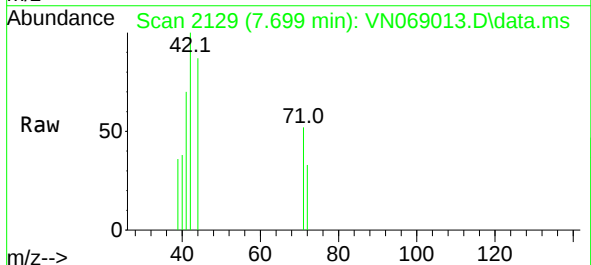
Instrument :
MSVOA_N
ClientSampleId :

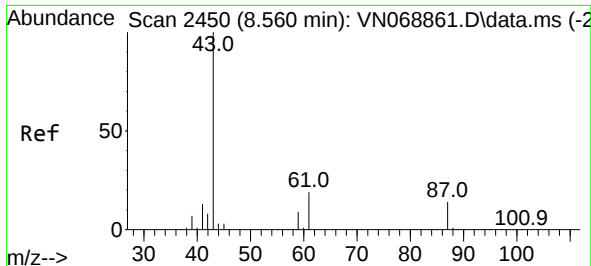
Tgt Ion:117 Resp: 35777
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.289 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.062 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 41 Resp: 754
Ion Ratio Lower Upper
41 100
39 22.0 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

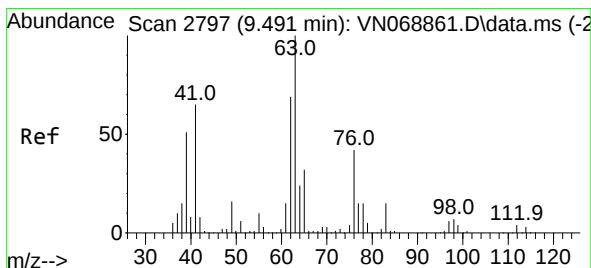
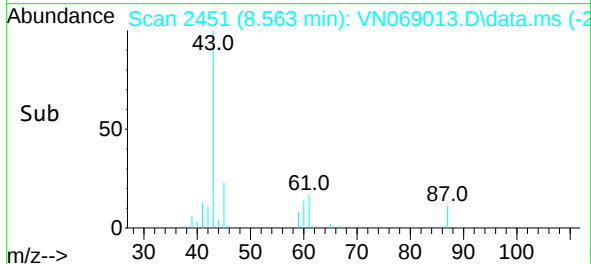
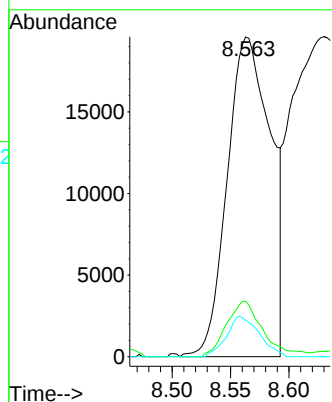
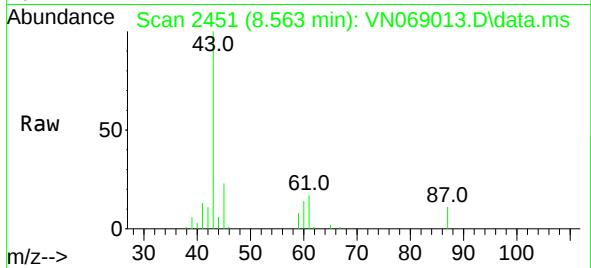




#43
Isopropyl Acetate
Concen: 5.543 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

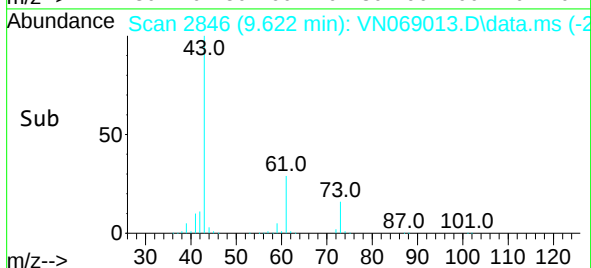
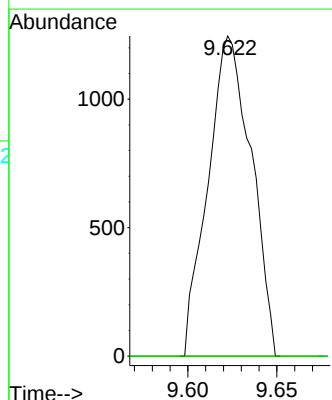
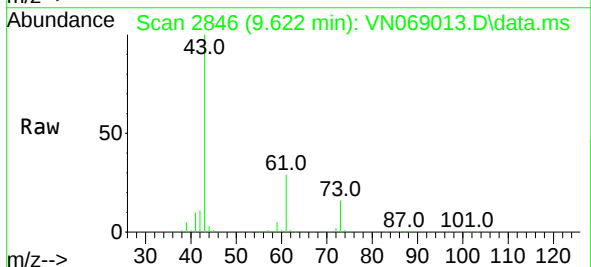
Instrument :
MSVOA_N
ClientSampled :

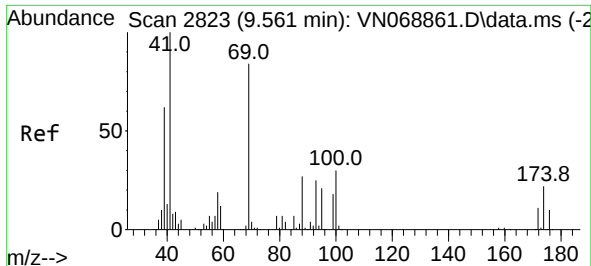
Tgt Ion: 43 Resp: 50623
Ion Ratio Lower Upper
43 100
61 14.6 20.4 30.6#
87 9.5 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.532 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 63 Resp: 2107
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

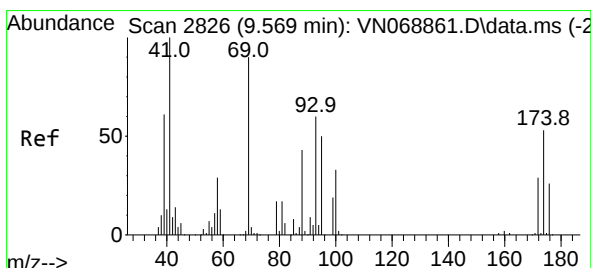
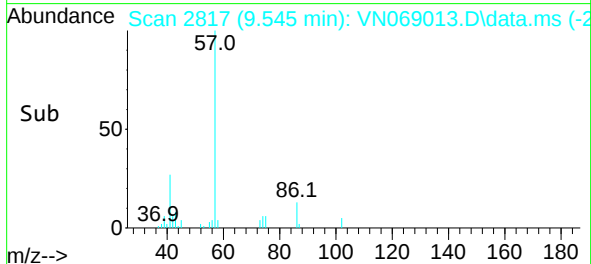
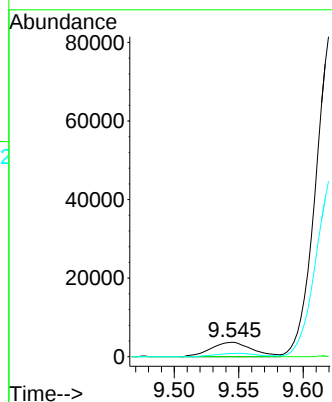
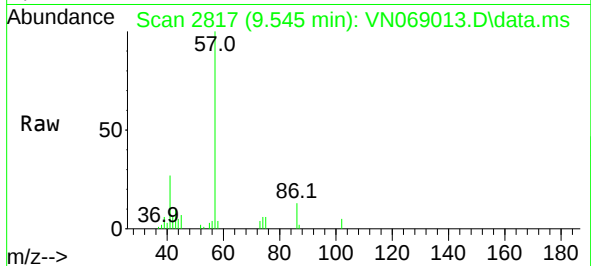




#48
Methyl methacrylate
Concen: 1.901 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

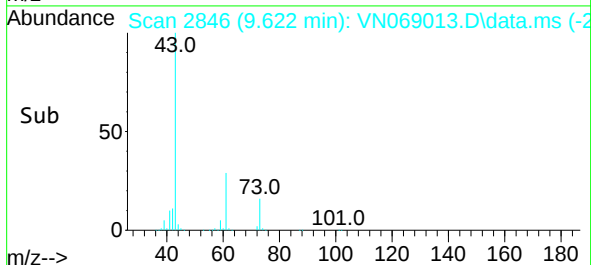
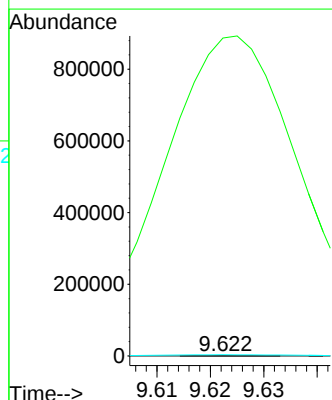
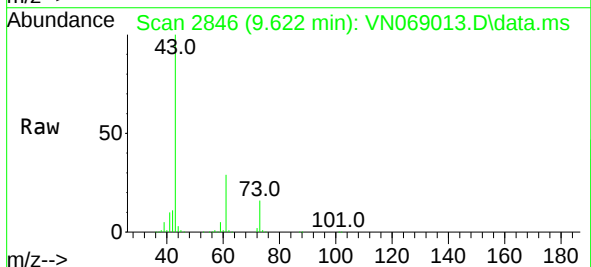
Instrument :
MSVOA_N
ClientSampled :

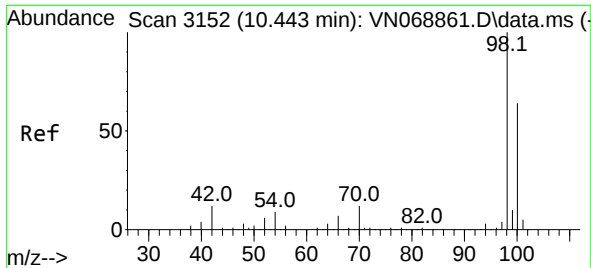
Tgt Ion: 41 Resp: 8158
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.971 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 1487926.7 24.9 37.3#
58 5644.8 56.9 85.3#

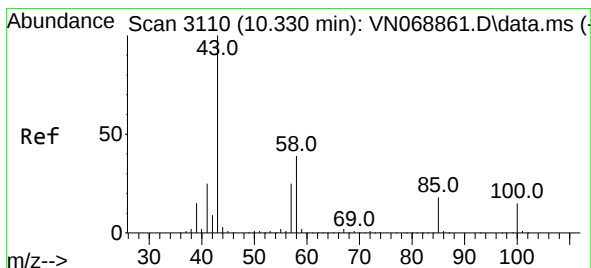
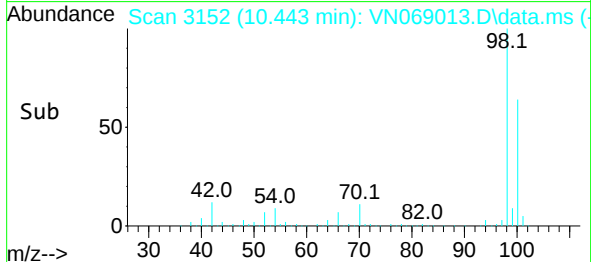
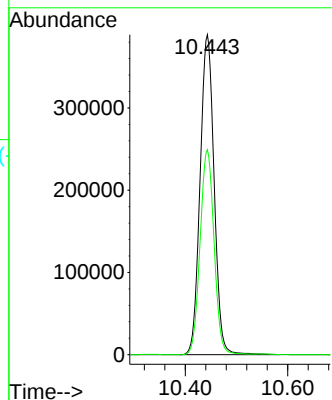
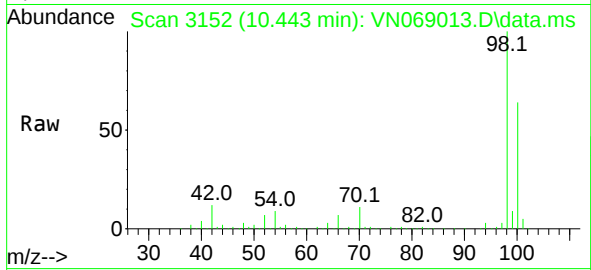




#50
Toluene-d8
Concen: 54.210 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

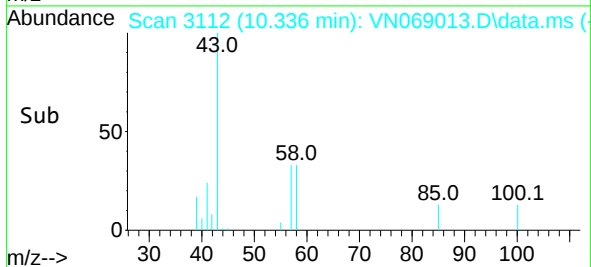
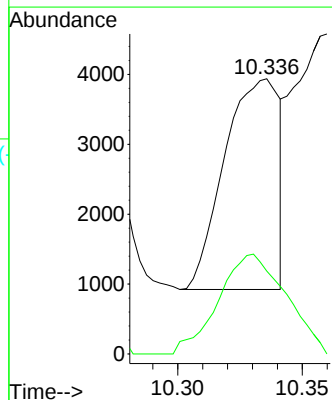
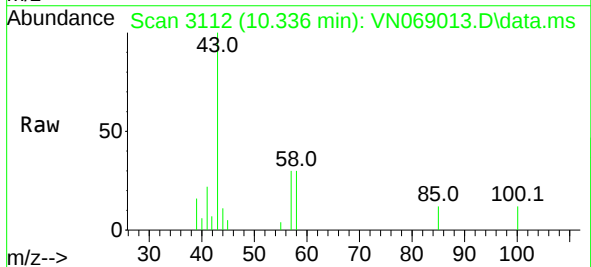
Instrument :
MSVOA_N
ClientSampled :

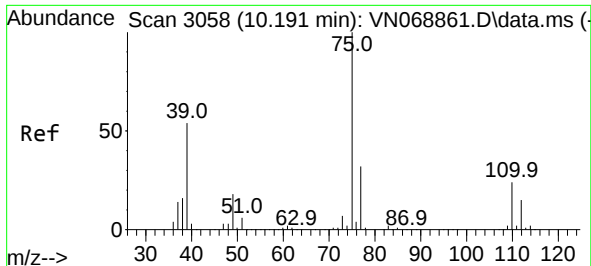
Tgt Ion: 98 Resp: 740411
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.868 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 43 Resp: 4597
Ion Ratio Lower Upper
43 100
58 58.5 31.0 46.4#

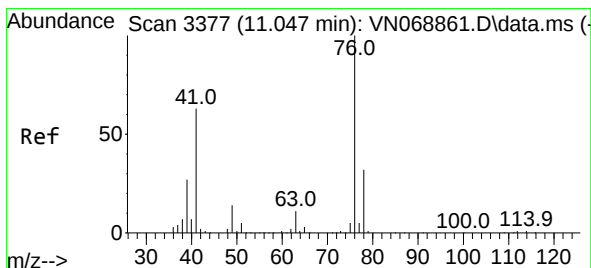
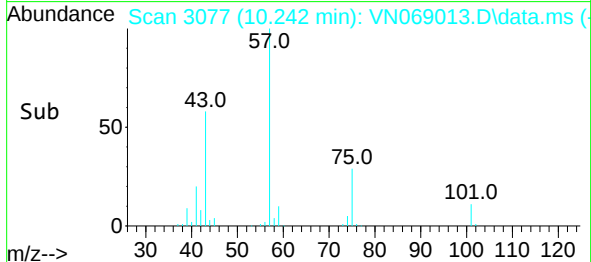
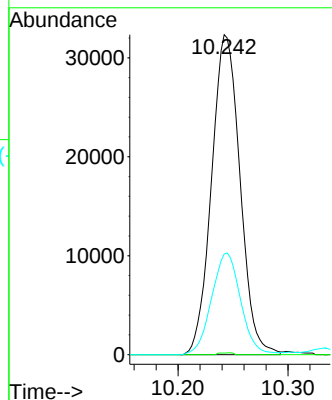
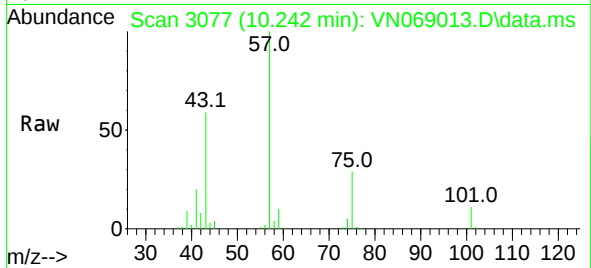




#54
cis-1,3-Dichloropropene
Concen: 8.805 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

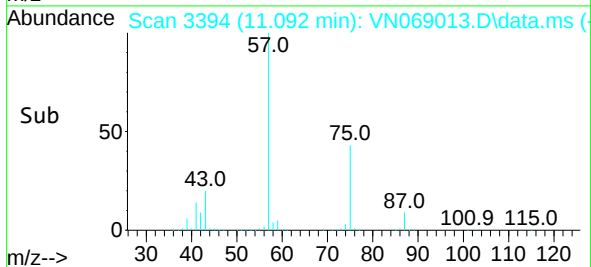
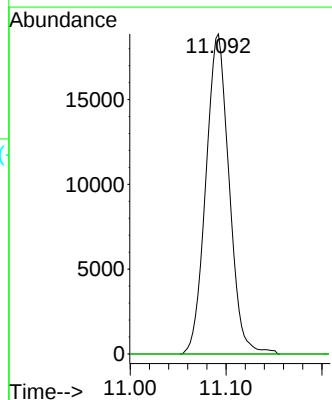
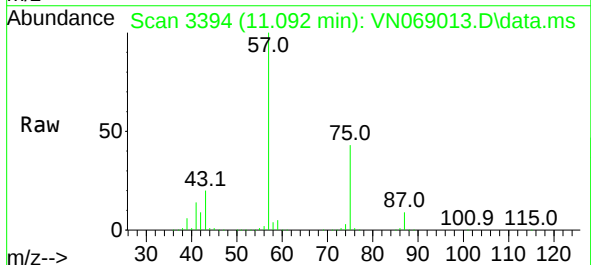
Instrument :
MSVOA_N
ClientSampleId :

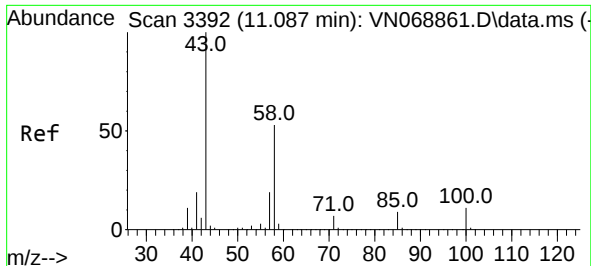
Tgt Ion: 75 Resp: 58126
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.5 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.981 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 76 Resp: 31795
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

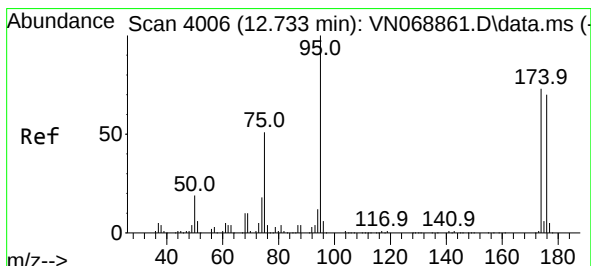
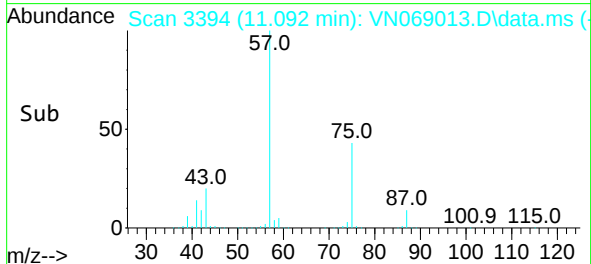
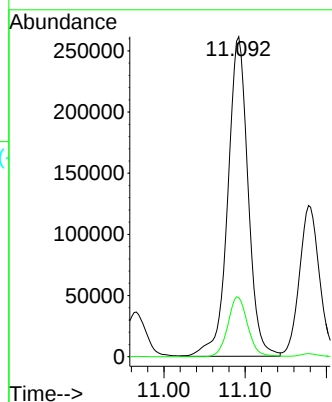
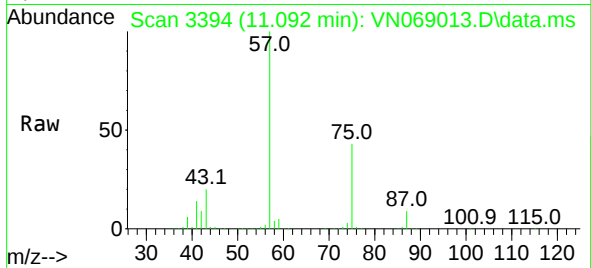




#59
2-Hexanone
Concen: 119.311 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

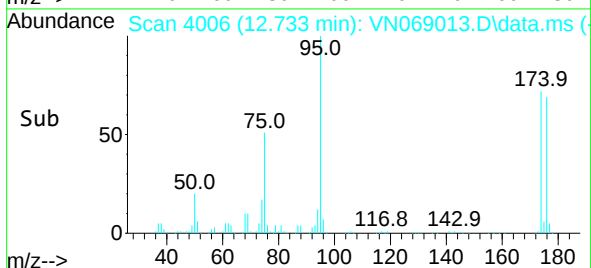
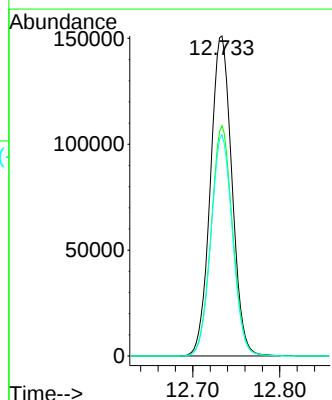
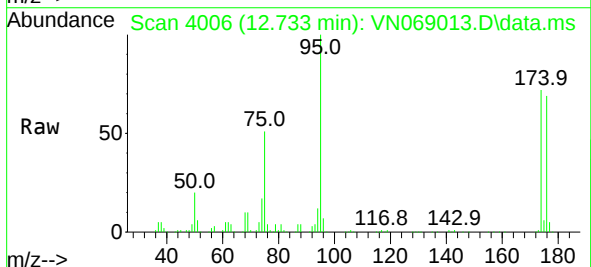
Instrument :
MSVOA_N
ClientSampled :

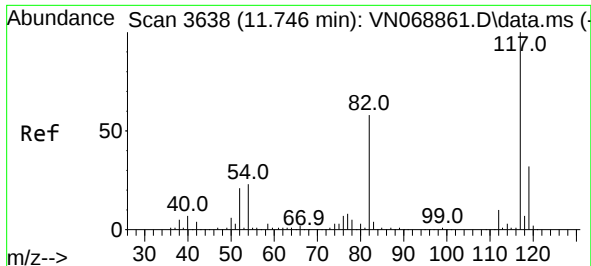
Tgt Ion: 43 Resp: 453067
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.552 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 95 Resp: 260499
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.8
176 69.0 0.0 140.0

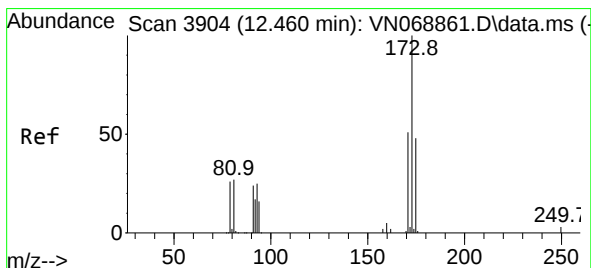
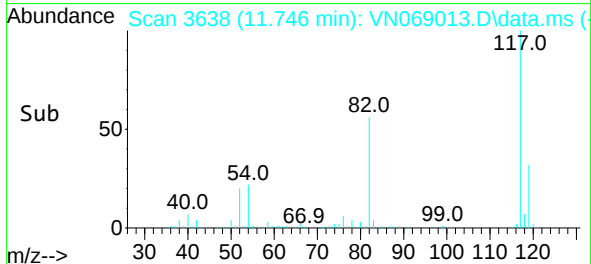
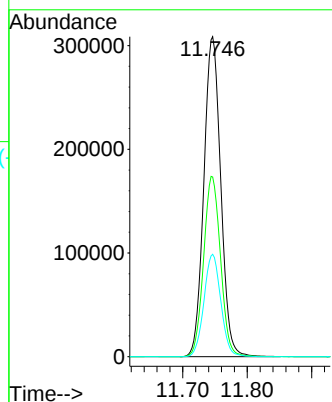
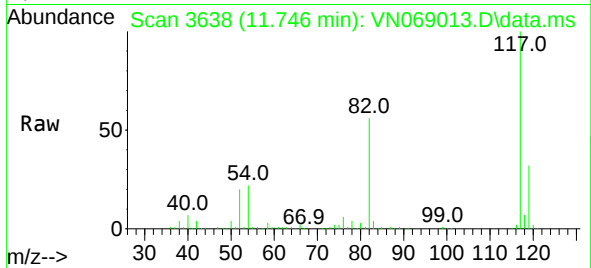




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

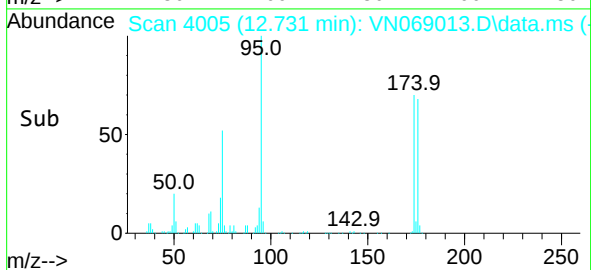
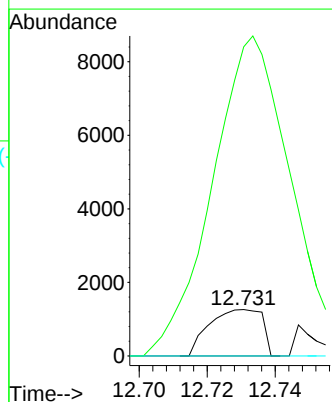
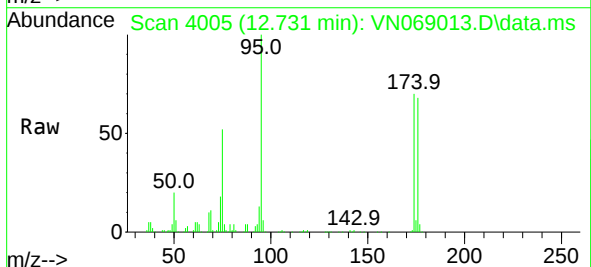
Instrument :
MSVOA_N
ClientSampleId :

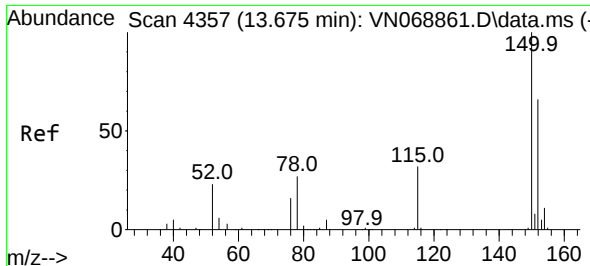
Tgt Ion:117 Resp: 563580
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.408 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion:173 Resp: 1364
Ion Ratio Lower Upper
173 100
175 964.7 23.8 71.5#
254 0.0 0.0 0.0

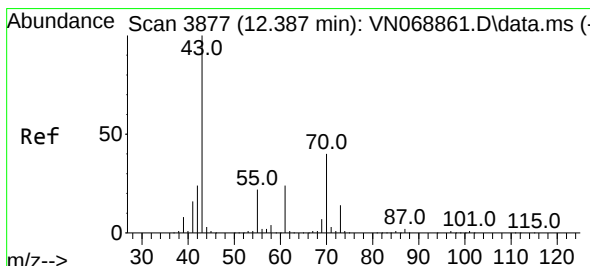
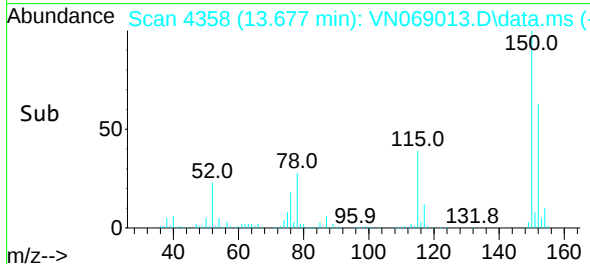
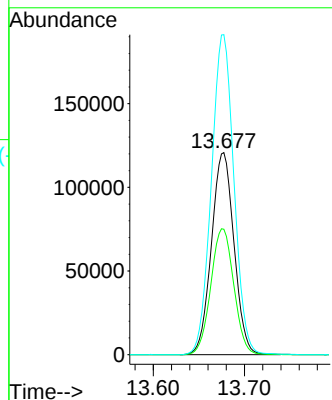
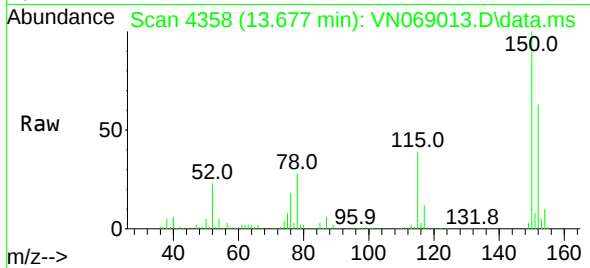




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

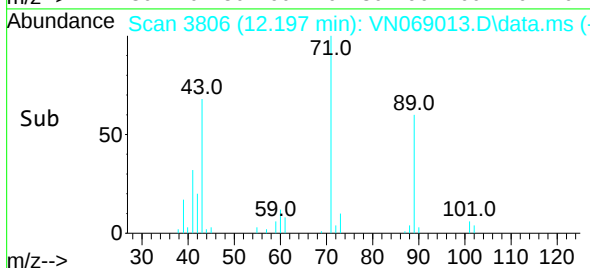
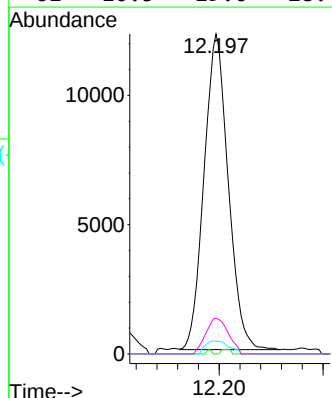
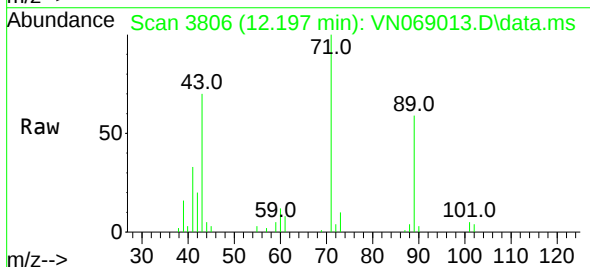
Instrument :
MSVOA_N
ClientSampleId :

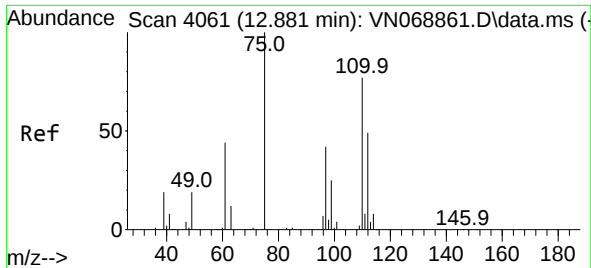
Tgt Ion:152 Resp: 207801
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 158.3 0.0 351.0



#74
N-ethyl acetate
Concen: 3.016 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Tgt Ion: 43 Resp: 19766
Ion Ratio Lower Upper
43 100
70 0.3 32.2 48.2#
55 4.0 18.0 27.0#
61 10.5 19.0 28.4#

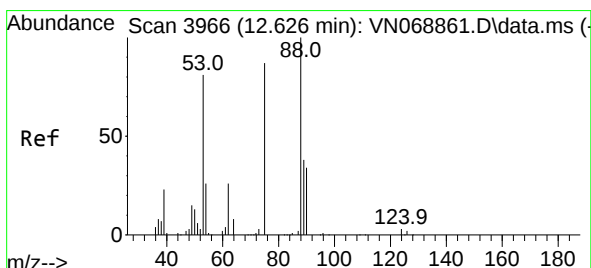
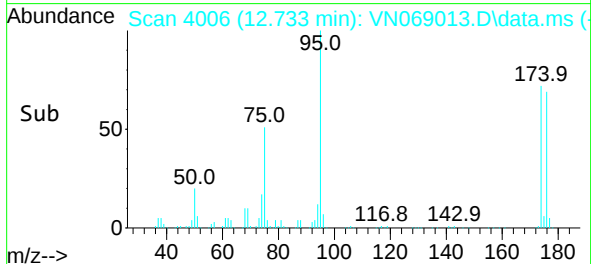
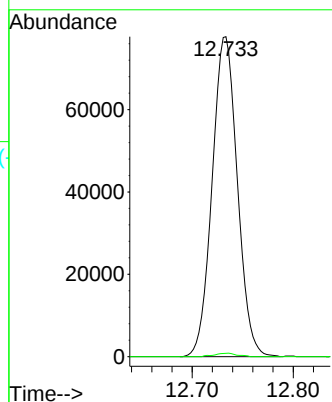
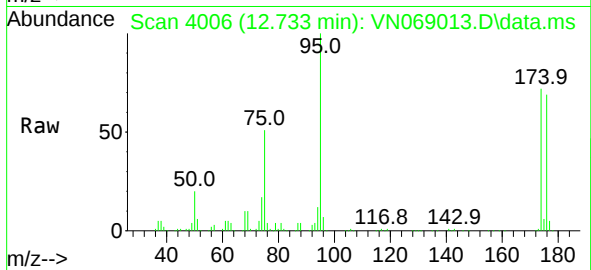




#76
1,2,3-Trichloropropane
Concen: 30.451 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

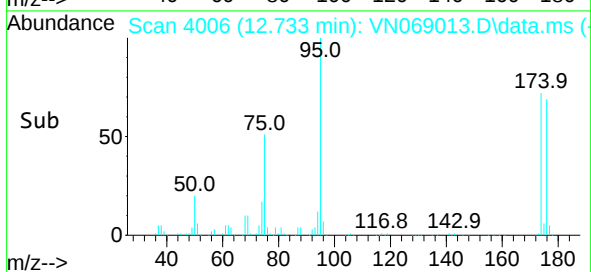
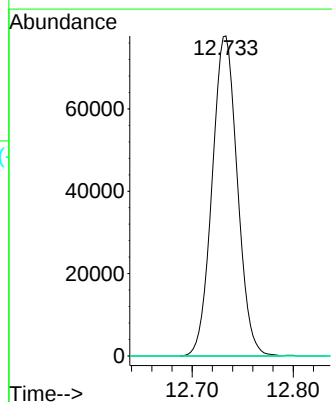
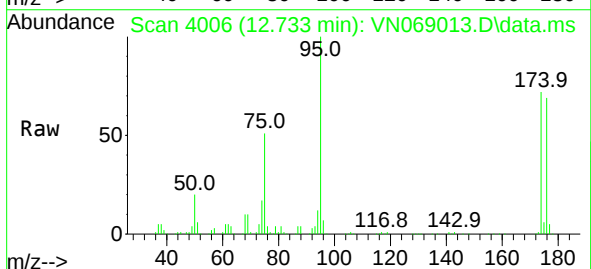
Instrument :
MSVOA_N
ClientSampled :

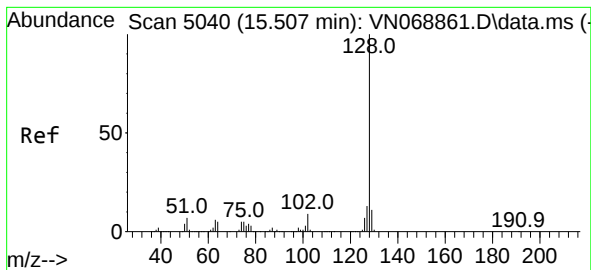
Tgt Ion: 75 Resp: 134636
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.852 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

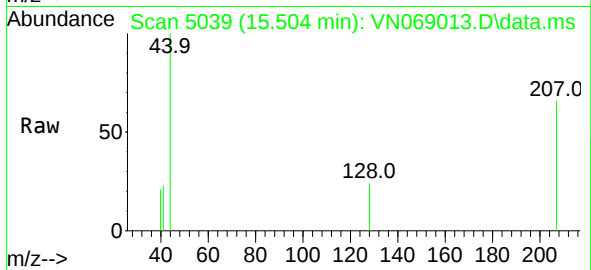
Tgt Ion: 75 Resp: 134636
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.817 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069013.D
Acq: 19 Oct 2021 6:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 56
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

