

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069064.D
 Acq On : 20 Oct 2021 16:11
 Operator : JC/MD
 Sample : M4249-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:14:58 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

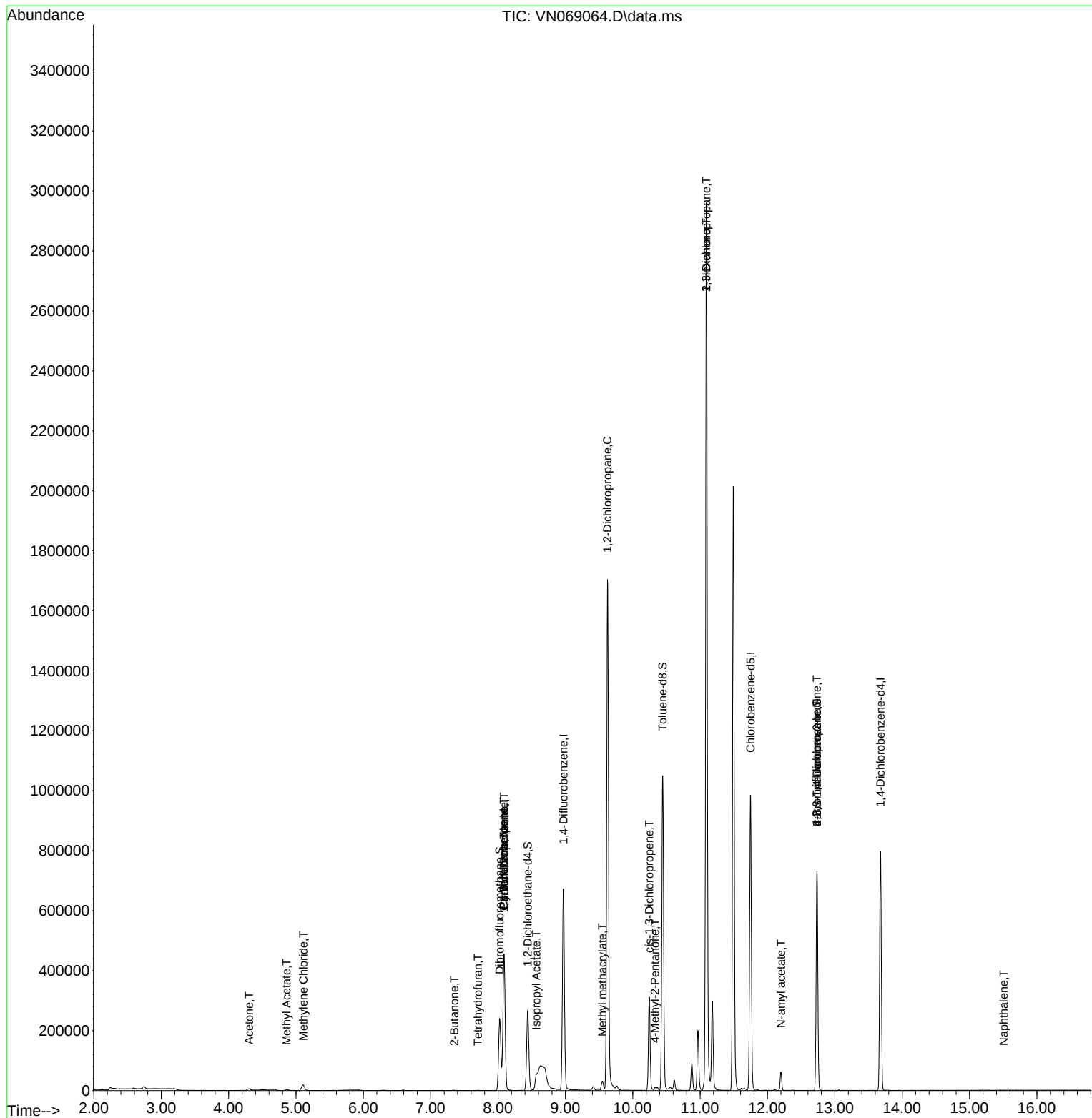
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	340992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	597487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	583749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	214679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	225871	50.240	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 100.480%		
35) Dibromofluoromethane	8.024	113	175480	50.480	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.960%		
50) Toluene-d8	10.443	98	757248	54.443	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 108.880%		
62) 4-Bromofluorobenzene	12.733	95	268955	51.252	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 102.500%		
Target Compounds						Qvalue
16) Acetone	4.301	43	11273	6.719	ug/l	98
18) Methyl Acetate	4.859	43	3067	0.482	ug/l #	41
20) Methylene Chloride	5.109	84	15405	3.989	ug/l	94
25) 2-Butanone	7.351	43	2477	0.976	ug/l #	78
29) Tetrahydrofuran	7.702	42	842	0.512	ug/l #	38
31) Cyclohexane	8.088	56	8001	1.145	ug/l #	4
36) 1,1-Dichloropropene	8.086	75	28296	5.544	ug/l #	43
38) Carbon Tetrachloride	8.091	117	35914	6.408	ug/l #	16
43) Isopropyl Acetate	8.568	43	64345	6.919	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	1977	0.490	ug/l #	43
48) Methyl methacrylate	9.547	41	7730	1.769	ug/l #	13
51) 4-Methyl-2-Pentanone	10.330	43	5258	0.975	ug/l	90
54) cis-1,3-Dichloropropene	10.245	75	58785	8.744	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	31867	4.903	ug/l #	42
59) 2-Hexanone	11.092	43	454745	117.593	ug/l #	51
74) N-amyl acetate	12.200	43	20691	3.056	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	139545	30.550	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	139545	73.089	ug/l #	12
95) Naphthalene	15.507	128	742	3.880	ug/l #	69

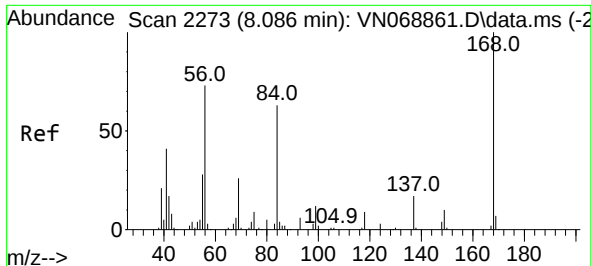
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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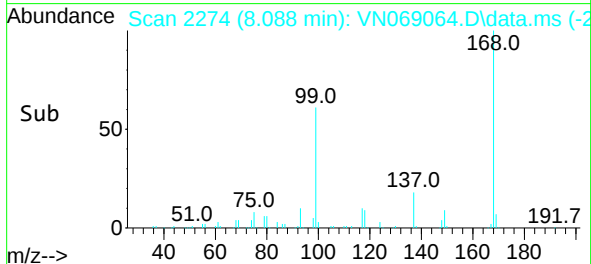
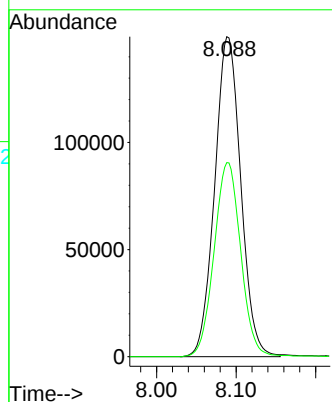
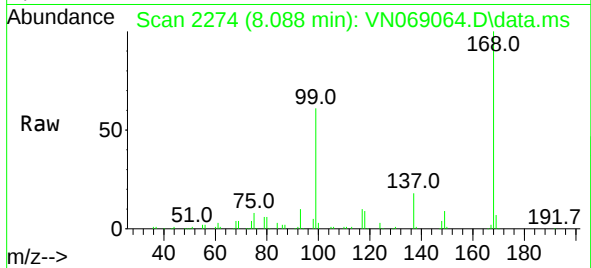




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

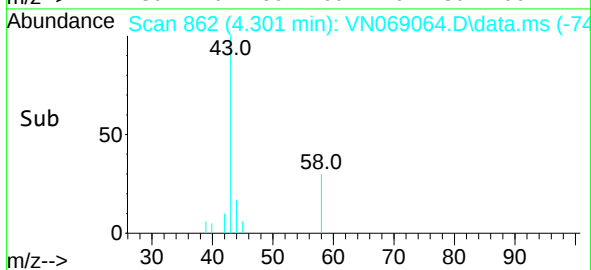
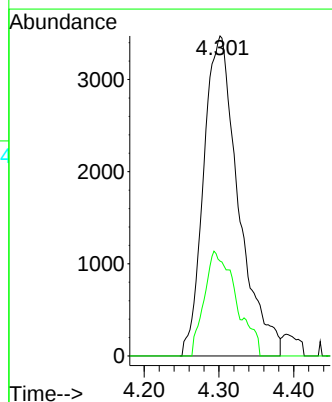
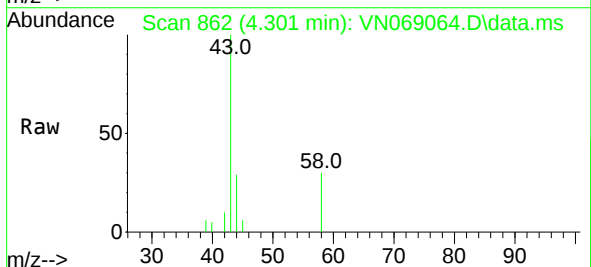
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 340992
Ion Ratio Lower Upper
168 100
99 60.6 48.9 73.3



#16
Acetone
Concen: 6.719 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 43 Resp: 11273
Ion Ratio Lower Upper
43 100
58 29.7 24.5 36.7





#18

Methyl Acetate

Concen: 0.482 ug/l

RT: 4.859 min Scan# 1070

Delta R.T. 0.005 min

Lab File: VN069064.D

Acq: 20 Oct 2021 16:11

Tgt Ion: 43 Resp: 3067

Ion Ratio Lower Upper

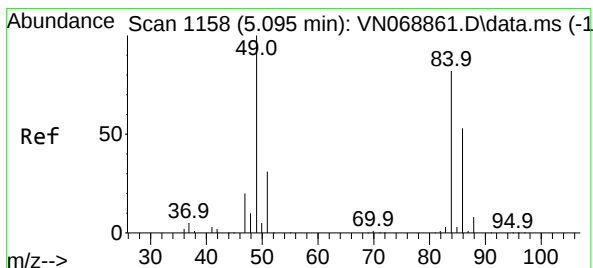
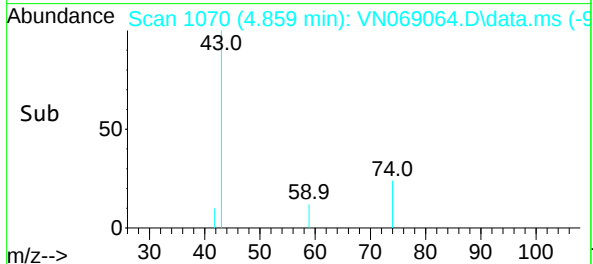
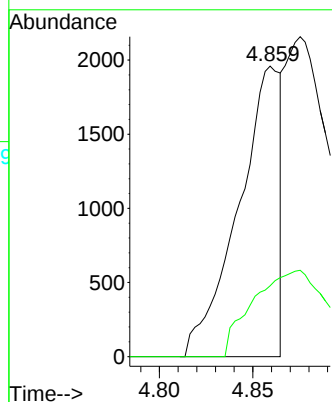
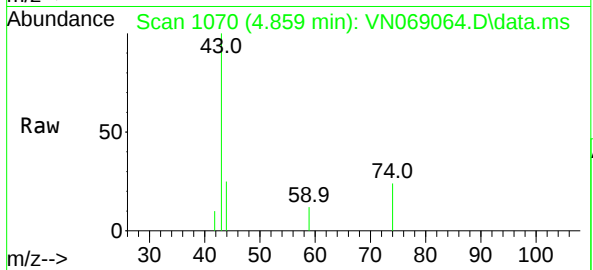
43 100

74 52.4 18.9 28.3#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 3.989 ug/l

RT: 5.109 min Scan# 1163

Delta R.T. 0.013 min

Lab File: VN069064.D

Acq: 20 Oct 2021 16:11

Tgt Ion: 84 Resp: 15405

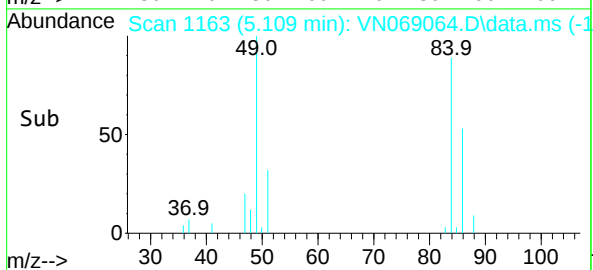
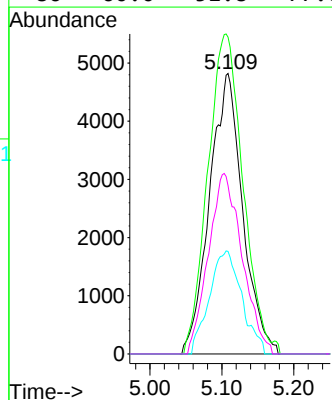
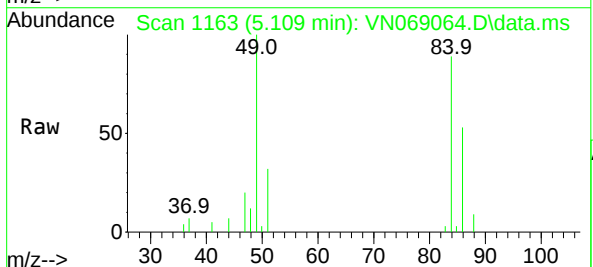
Ion Ratio Lower Upper

84 100

49 112.9 97.6 146.4

51 36.6 30.3 45.5

86 60.0 51.8 77.6

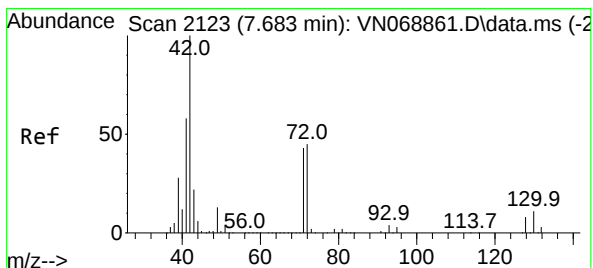
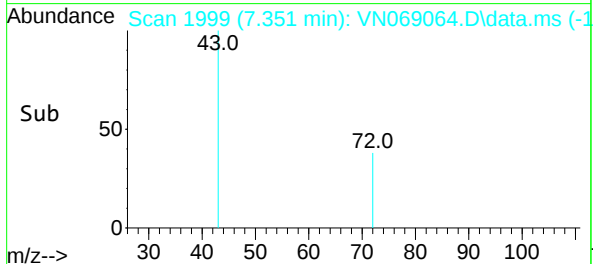
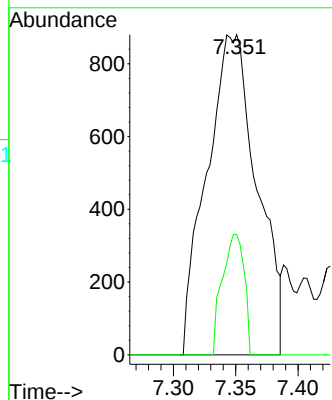
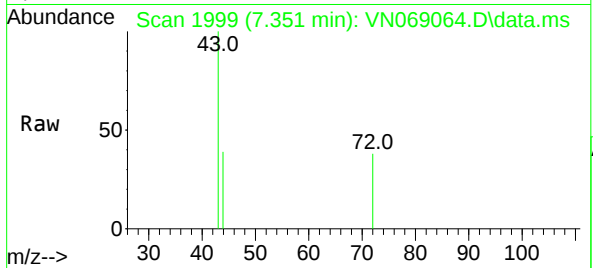




#25
2-Butanone
Concen: 0.976 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

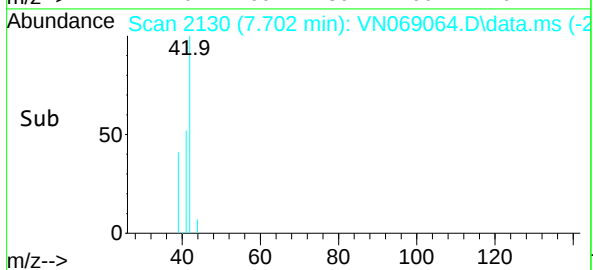
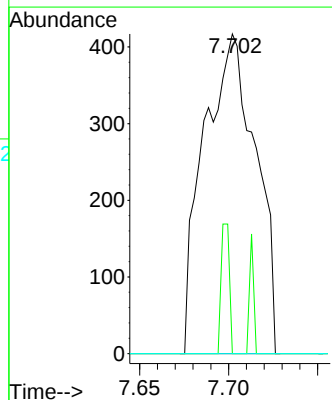
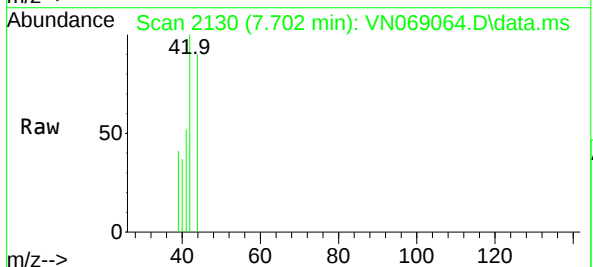
Instrument :
MSVOA_N
ClientSampled :

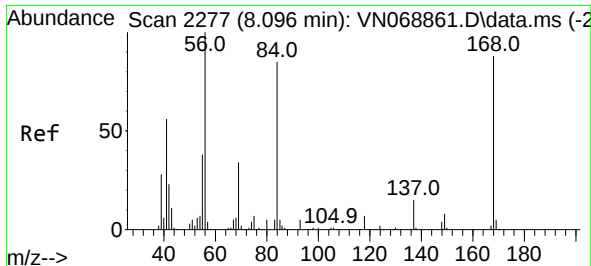
Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
72 37.6 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.512 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 42 Resp: 842
Ion Ratio Lower Upper
42 100
72 6.4 35.4 53.2#
71 0.0 33.8 50.6#

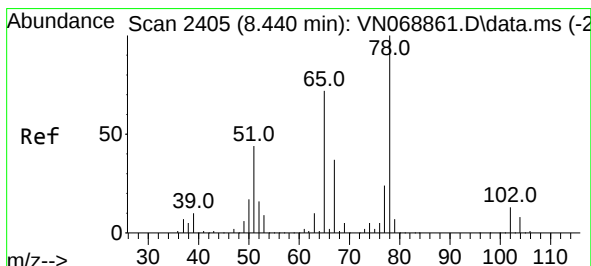
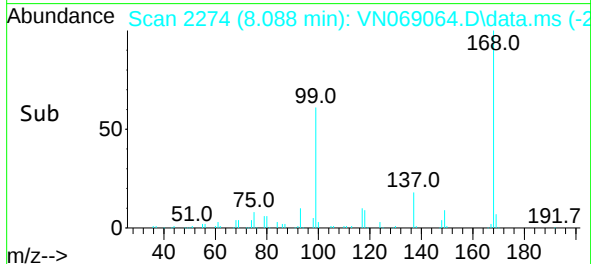
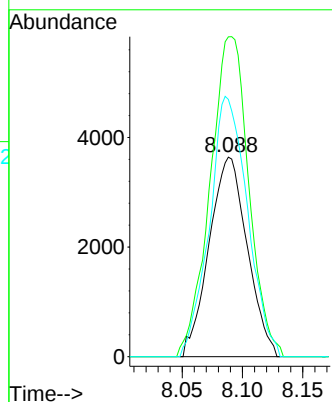
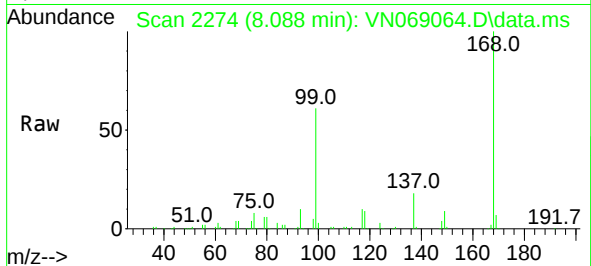




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

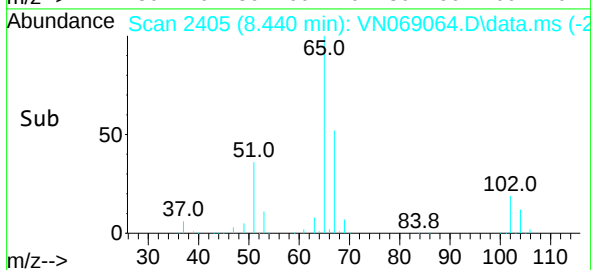
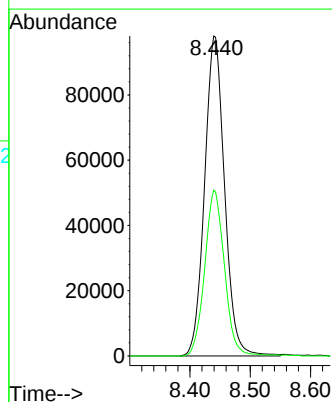
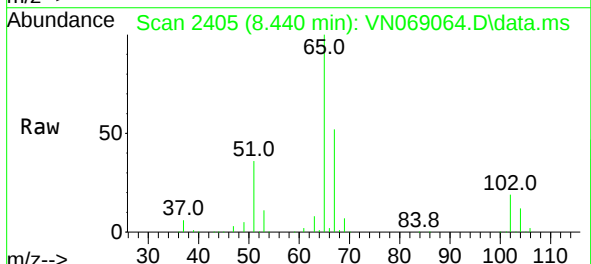
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 8001
Ion Ratio Lower Upper
56 100
69 155.6 26.9 40.3#
84 128.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 50.240 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 65 Resp: 225871
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.8

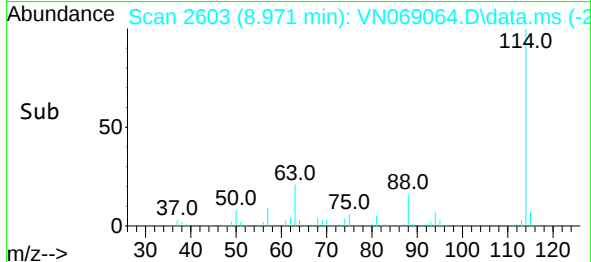
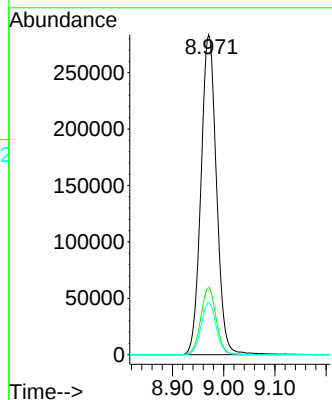
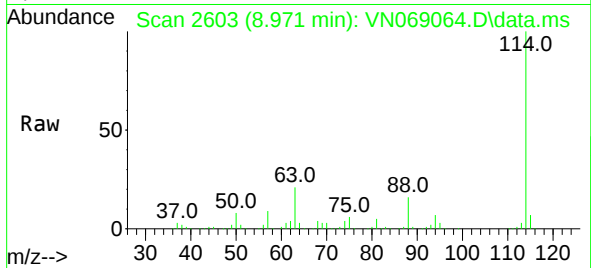




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

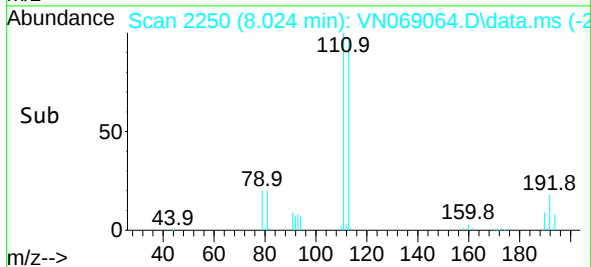
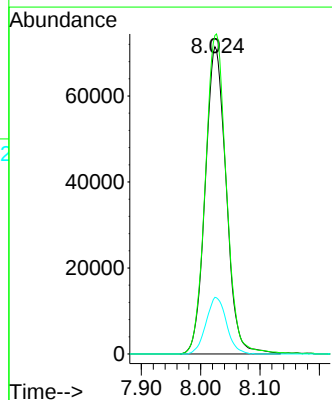
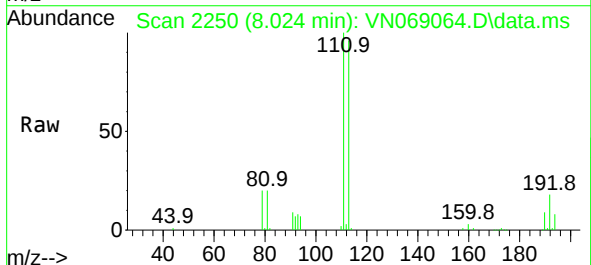
Instrument :
MSVOA_N
ClientSampled :

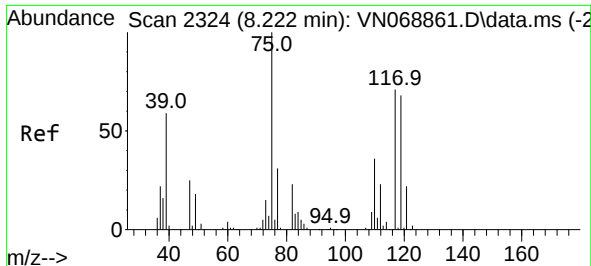
Tgt Ion:114 Resp: 597487
Ion Ratio Lower Upper
114 100
63 21.0 0.0 42.6
88 16.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.480 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion:113 Resp: 175480
Ion Ratio Lower Upper
113 100
111 104.5 83.2 124.8
192 18.0 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.544 ug/l

RT: 8.086 min Scan# 2273

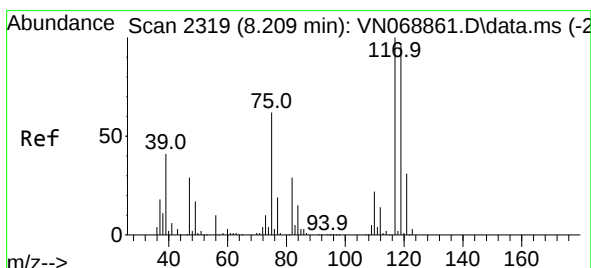
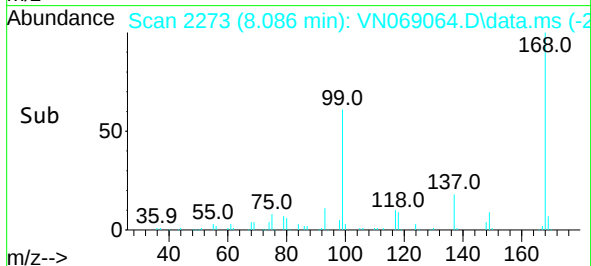
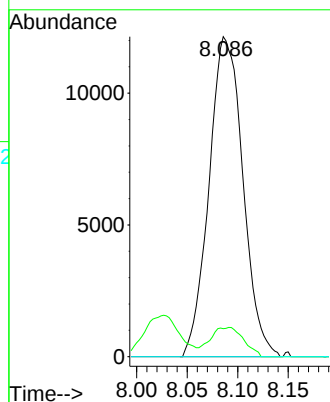
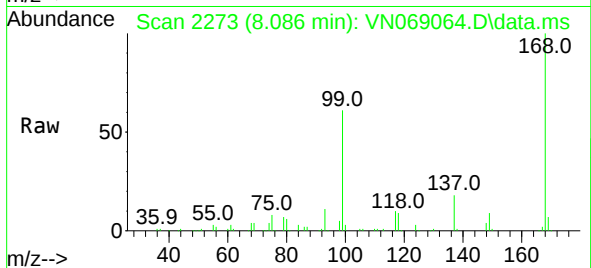
Delta R.T. -0.137 min

Lab File: VN069064.D

Acq: 20 Oct 2021 16:11

Tgt Ion:	75	Resp:	28296
Ion	Ratio	Lower	Upper
75	100		
110	2.2	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.408 ug/l

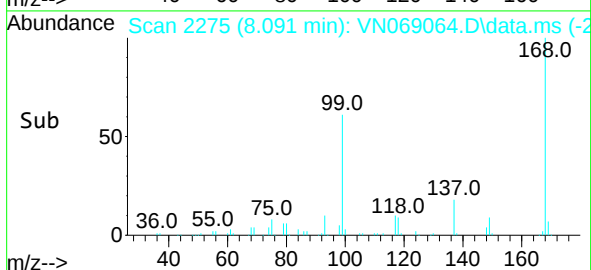
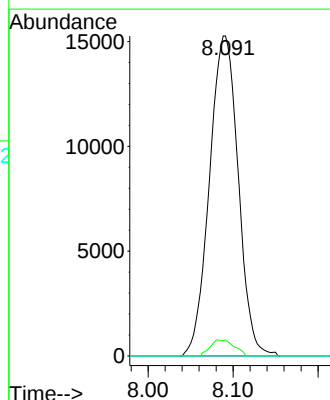
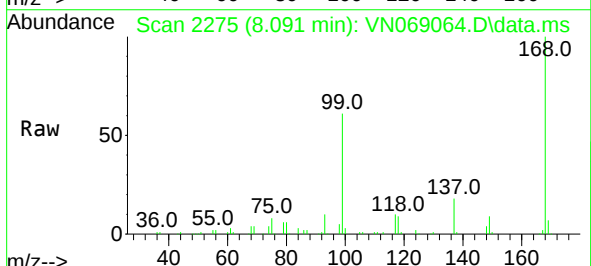
RT: 8.091 min Scan# 2275

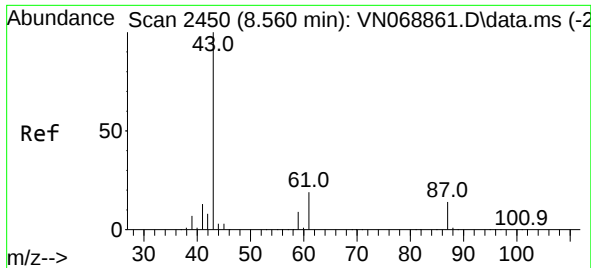
Delta R.T. -0.118 min

Lab File: VN069064.D

Acq: 20 Oct 2021 16:11

Tgt Ion:	117	Resp:	35914
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.9	115.3#
121	0.0	24.6	37.0#

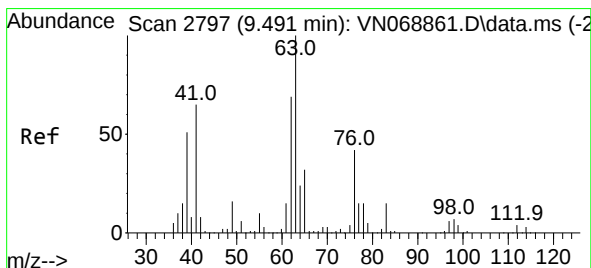
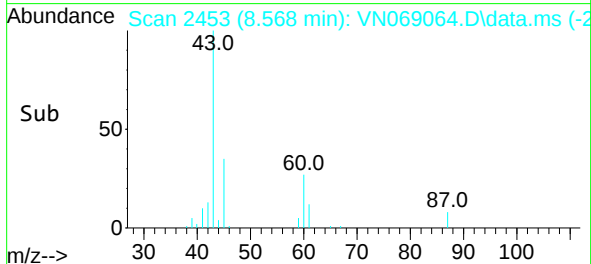
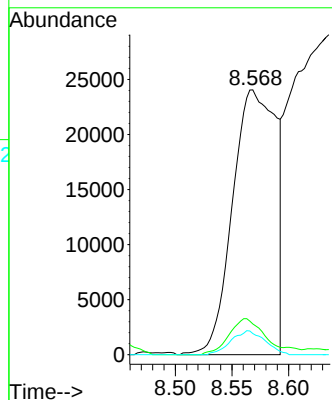
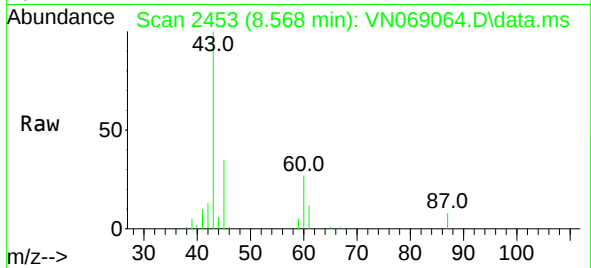




#43
Isopropyl Acetate
Concen: 6.919 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

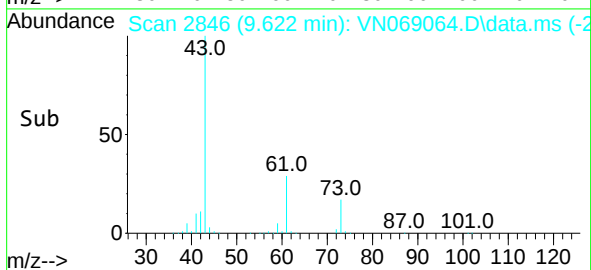
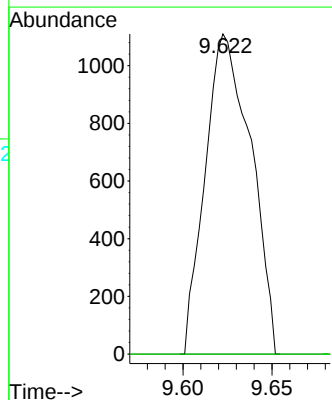
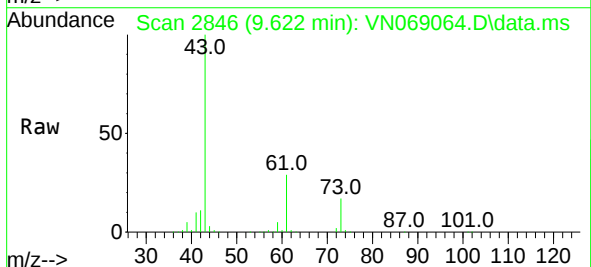
Instrument :
MSVOA_N
ClientSampled :

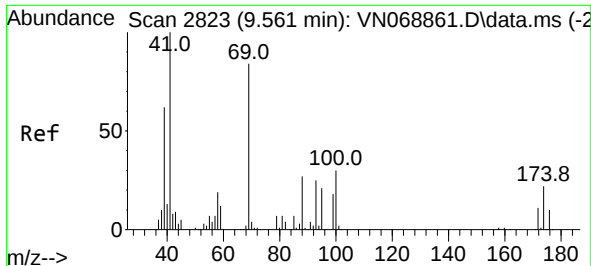
Tgt Ion: 43 Resp: 64345
Ion Ratio Lower Upper
43 100
61 11.7 20.4 30.6#
87 7.0 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.490 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 63 Resp: 1977
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

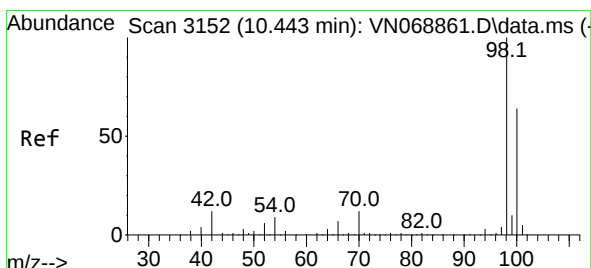
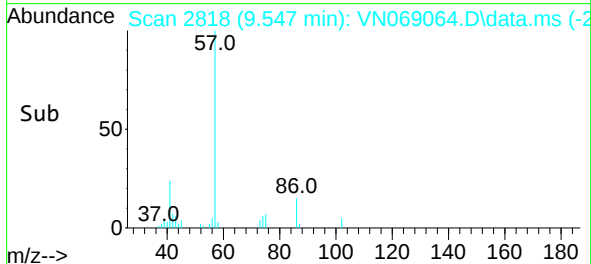
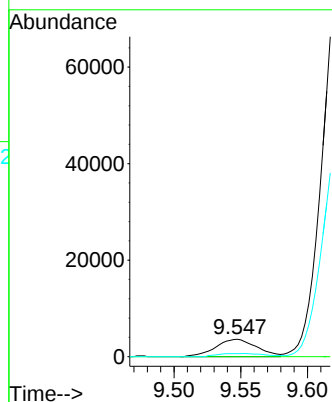
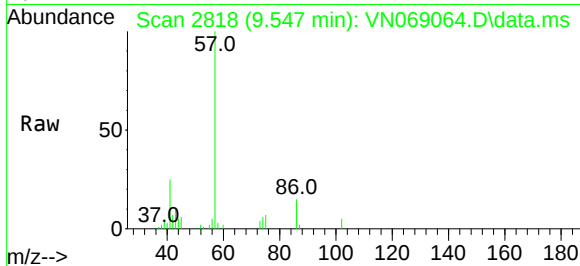




#48
Methyl methacrylate
Concen: 1.769 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

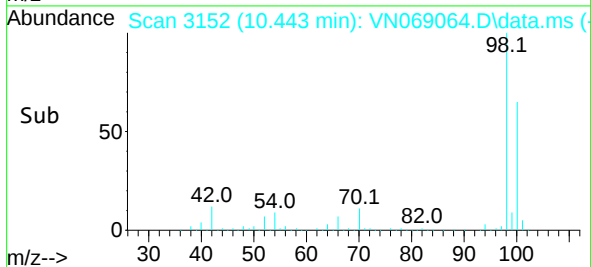
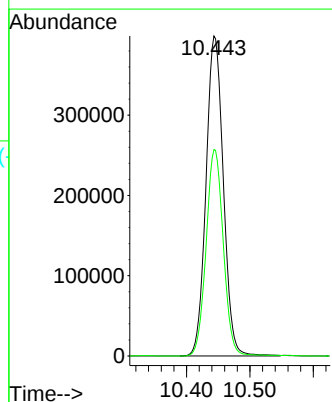
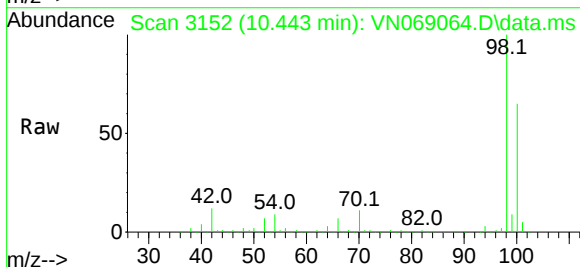
Instrument :
MSVOA_N
ClientSampled :

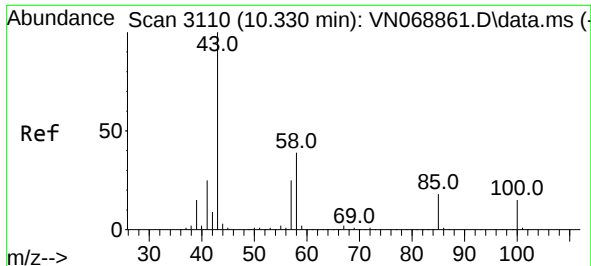
Tgt Ion: 41 Resp: 7730
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 54.443 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 98 Resp: 757248
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3

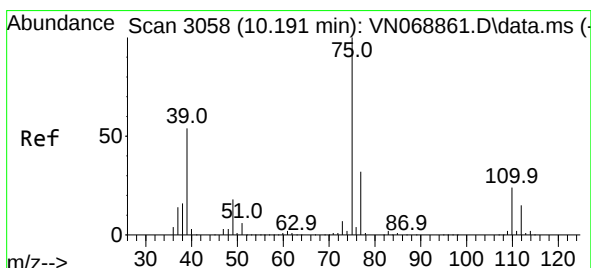
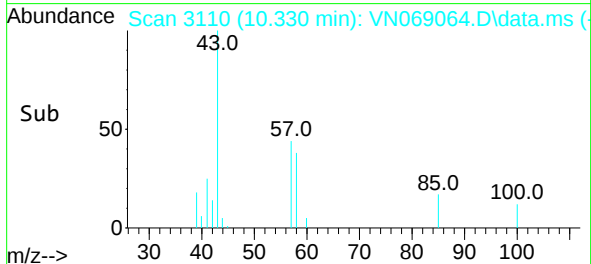
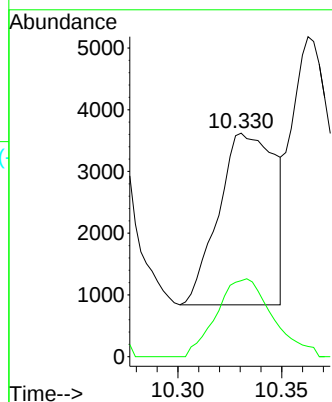
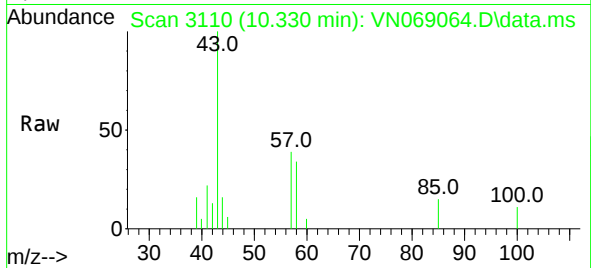




#51
4-Methyl-2-Pentanone
Concen: 0.975 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

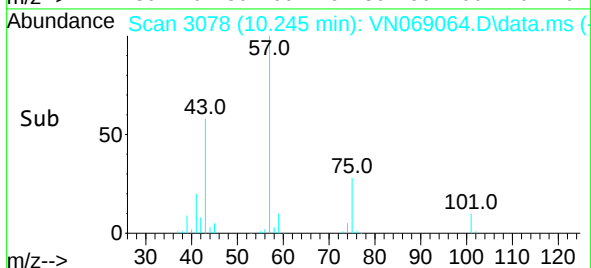
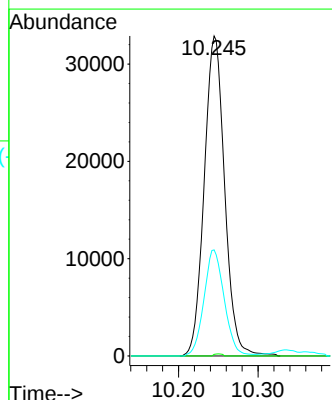
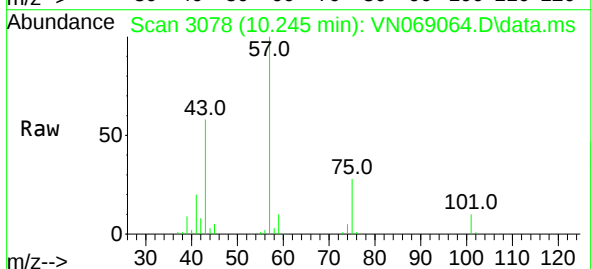
Instrument :
MSVOA_N
ClientSampled :

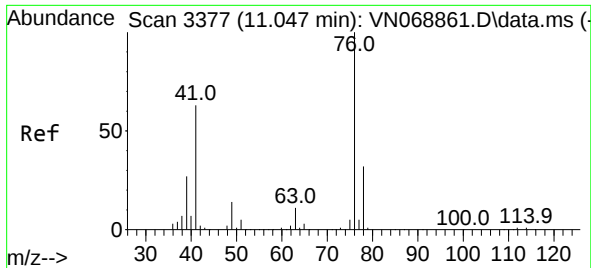
Tgt Ion: 43 Resp: 5258
Ion Ratio Lower Upper
43 100
58 45.0 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.744 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 75 Resp: 58785
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 33.2 42.9 64.3#

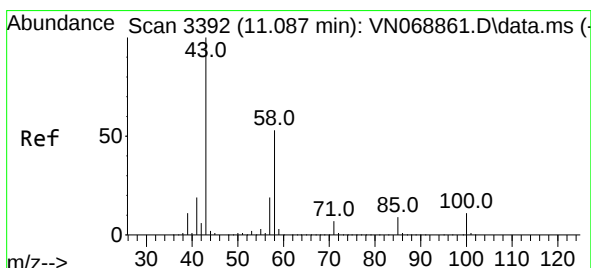
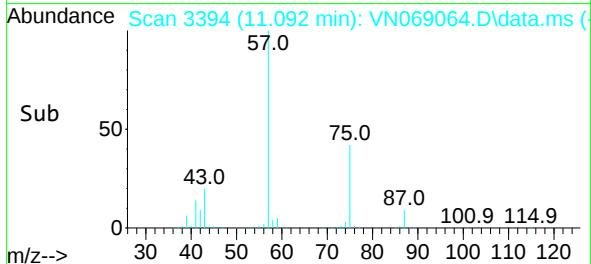
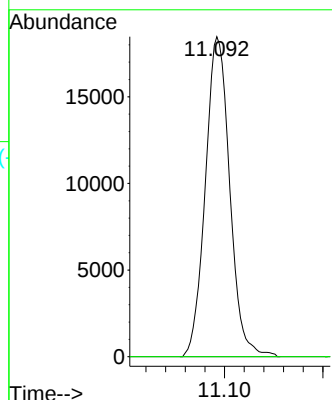
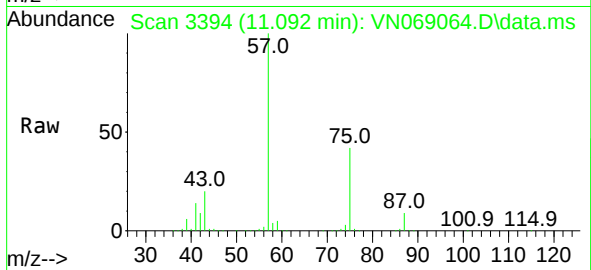




#57
1,3-Dichloropropane
Concen: 4.903 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

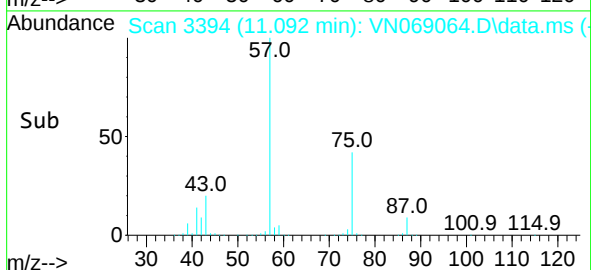
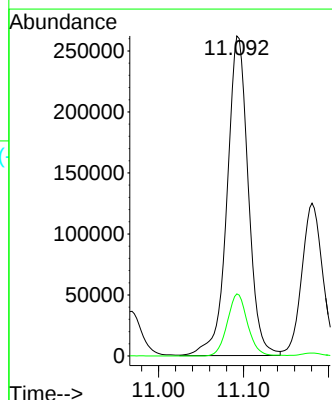
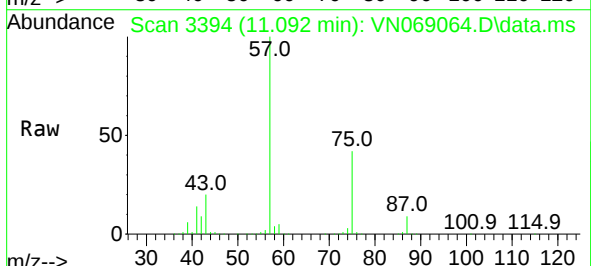
Instrument :
MSVOA_N
ClientSampled :

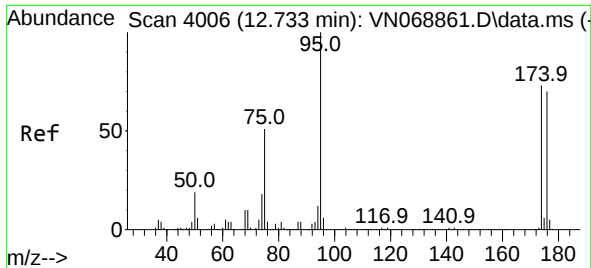
Tgt Ion: 76 Resp: 31867
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 117.593 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 43 Resp: 454745
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#

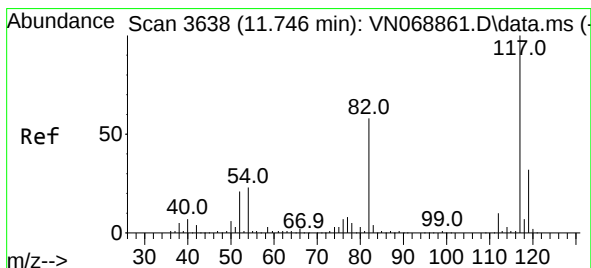
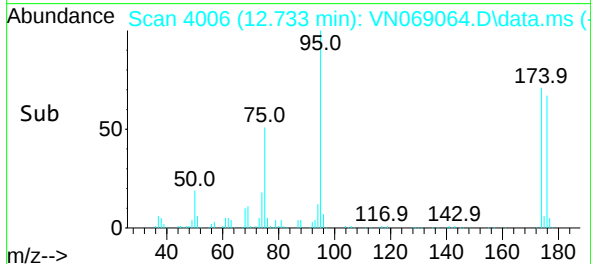
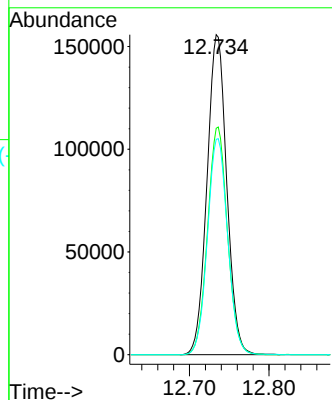
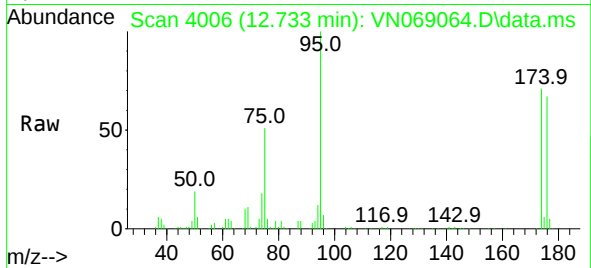




#62
4-Bromofluorobenzene
Concen: 51.252 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

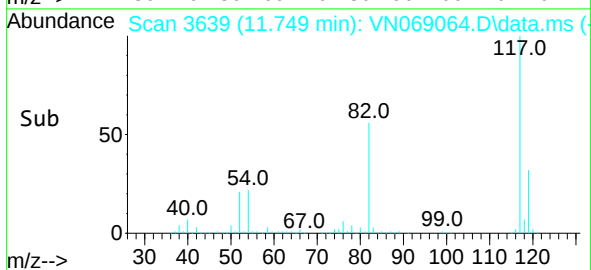
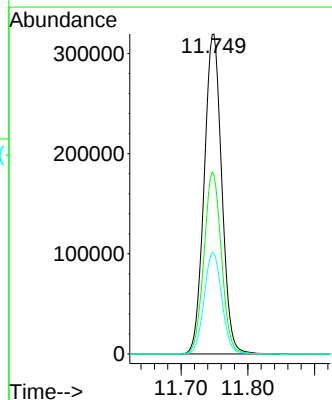
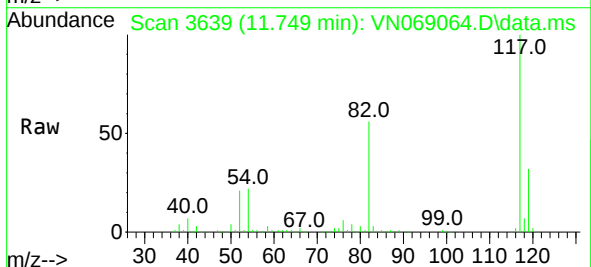
Instrument :
MSVOA_N
ClientSampleId :

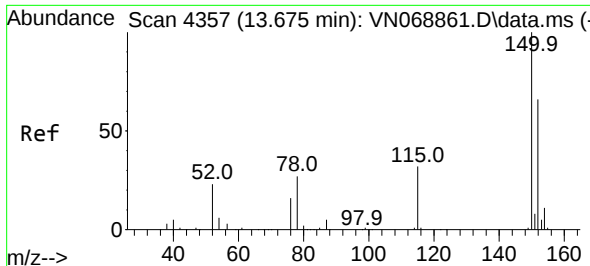
Tgt Ion: 95 Resp: 268955
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.8
176 69.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 117 Resp: 583749
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.6 26.0 39.0

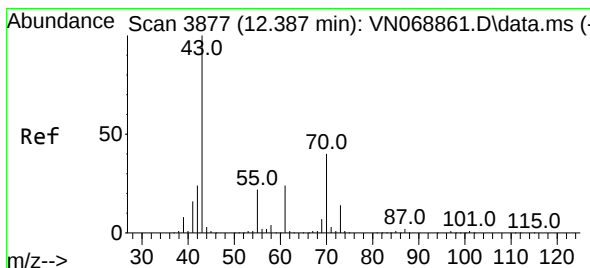
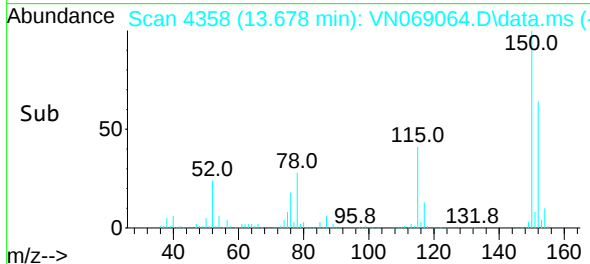
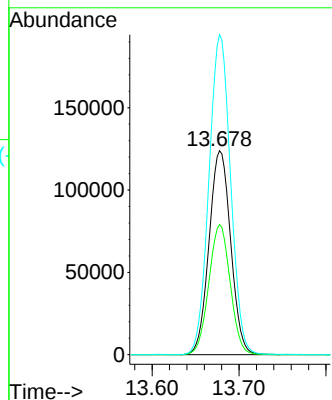
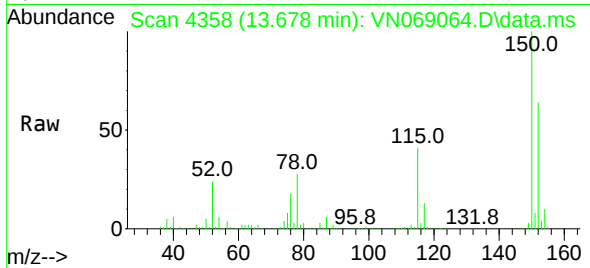




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

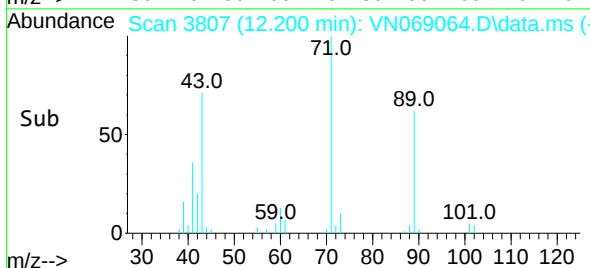
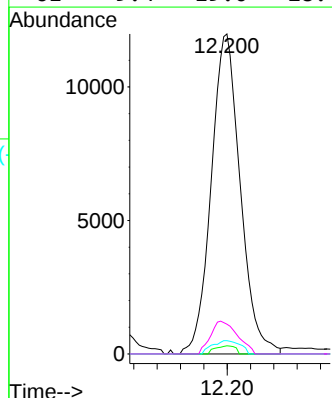
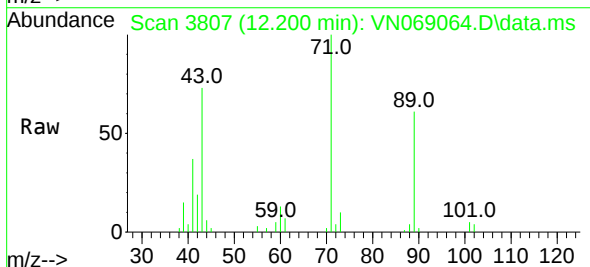
Instrument :
MSVOA_N
ClientSampled :

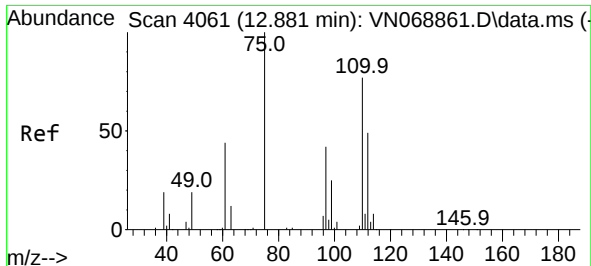
Tgt Ion:152 Resp: 214679
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 156.6 0.0 351.0



#74
N-ethyl acetate
Concen: 3.056 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Tgt Ion: 43 Resp: 20691
Ion Ratio Lower Upper
43 100
70 1.7 32.2 48.2#
55 4.0 18.0 27.0#
61 9.4 19.0 28.4#

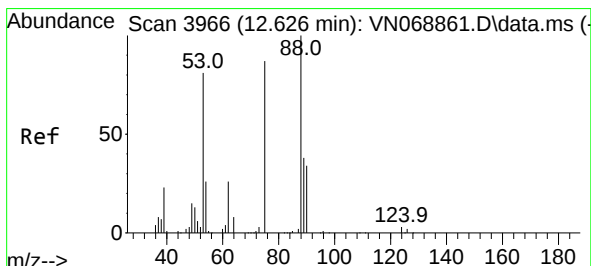
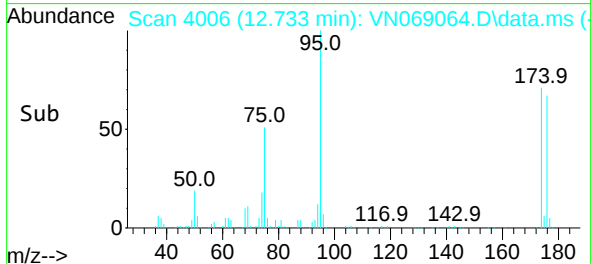
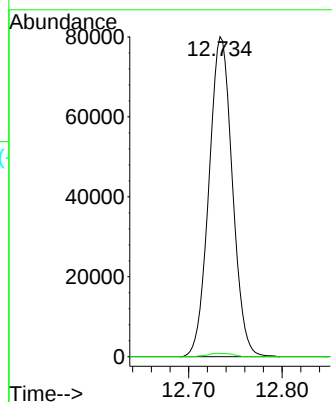
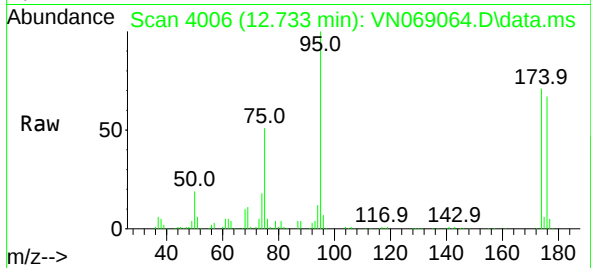




#76
1,2,3-Trichloropropane
Concen: 30.550 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

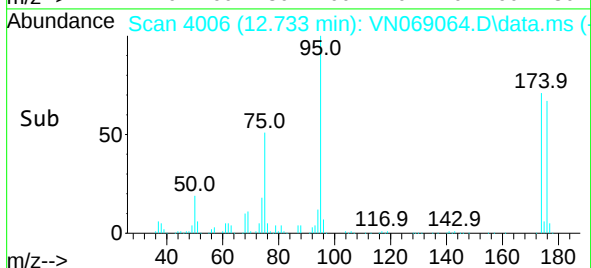
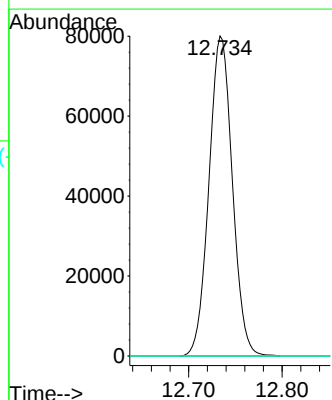
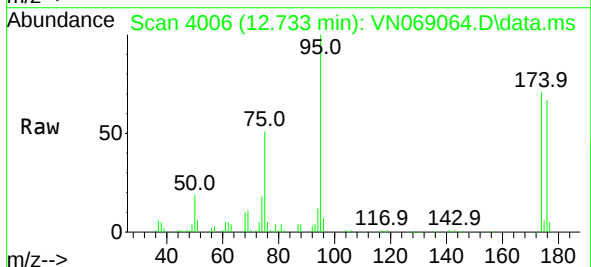
Instrument :
MSVOA_N
ClientSampled :

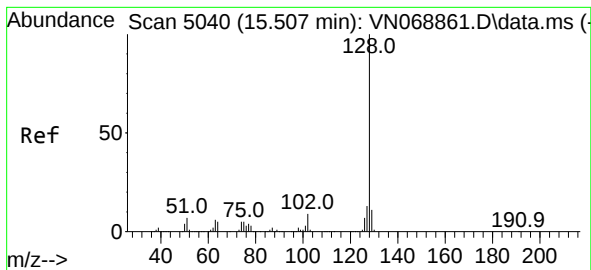
Tgt Ion: 75 Resp: 139545
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.089 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

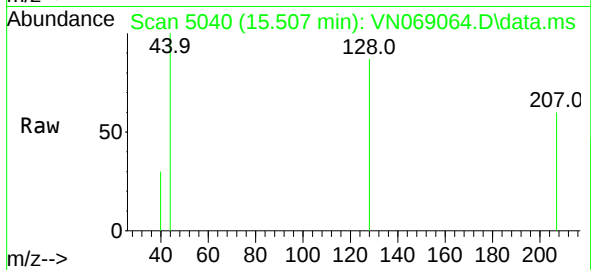
Tgt Ion: 75 Resp: 139545
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.880 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069064.D
Acq: 20 Oct 2021 16:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 742
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

