

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111821\
 Data File : VN069575.D
 Acq On : 19 Nov 2021 1:58
 Operator : JC/MD
 Sample : PB140886ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:15:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 19 04:51:32 2021
 Response via : Initial Calibration

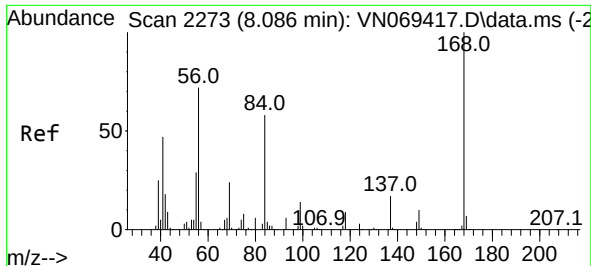
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	1313901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2350108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2387846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	920412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	969181	50.873	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.740%			
35) Dibromofluoromethane	8.024	113	674961	47.887	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.780%			
50) Toluene-d8	10.443	98	2985960	53.864	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.733	95	1073806	52.728	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.460%			
Target Compounds					Qvalue	
3) Chloromethane	2.303	50	4079	0.251	ug/l	94
13) Acrolein	4.031	56	432	0.801	ug/l	92
16) Acetone	4.296	43	227884	22.170	ug/l	93
18) Methyl Acetate	4.867	43	37302	1.116	ug/l #	78
20) Methylene Chloride	5.101	84	41514	2.848	ug/l	88
25) 2-Butanone	7.348	43	65369	4.697	ug/l #	90
29) Tetrahydrofuran	7.697	42	24442	2.862	ug/l	88
31) Cyclohexane	8.083	56	34308	1.318	ug/l #	35
36) 1,1-Dichloropropene	8.088	75	112982	5.713	ug/l #	49
37) Ethyl Acetate	7.348	43	65369	2.445	ug/l #	68
38) Carbon Tetrachloride	8.088	117	136413	7.145	ug/l #	17
41) Methacrylonitrile	7.697	41	15280	1.106	ug/l #	33
43) Isopropyl Acetate	8.566	43	181662	4.231	ug/l #	84
48) Methyl methacrylate	9.547	41	44776	2.217	ug/l #	9
49) 1,4-Dioxane	9.571	88	306	0.849	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	37620	1.357	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	224114	9.641	ug/l #	71
57) 1,3-Dichloropropane	11.092	76	138775	5.152	ug/l #	44
59) 2-Hexanone	11.092	43	2389299	115.684	ug/l #	48
76) 1,2,3-Trichloropropane	12.733	75	600852	28.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	600852	94.919	ug/l #	5
95) Naphthalene	15.507	128	12559	0.384	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	2659	0.228	ug/l	63

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

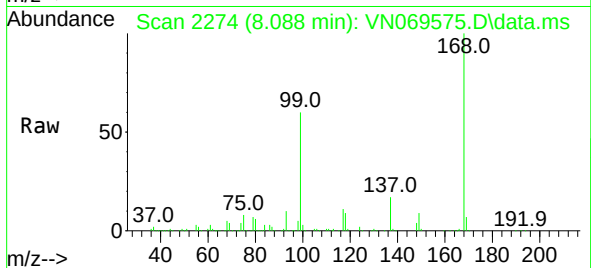
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 19 04:51:32 2021
Response via : Initial Calibration



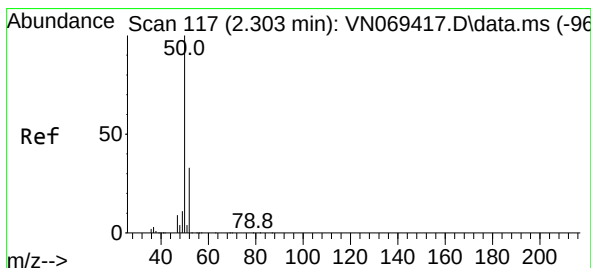
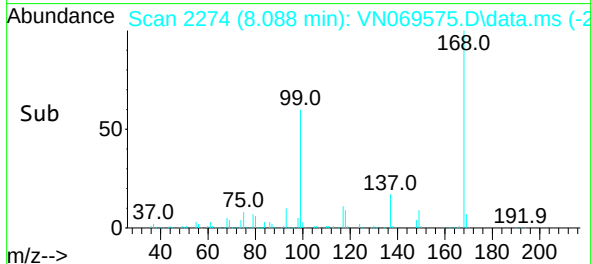
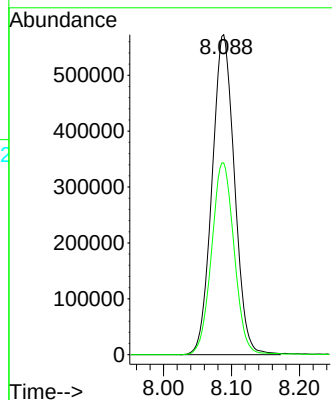


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Instrument :
MSVOA_N
ClientSampleId :

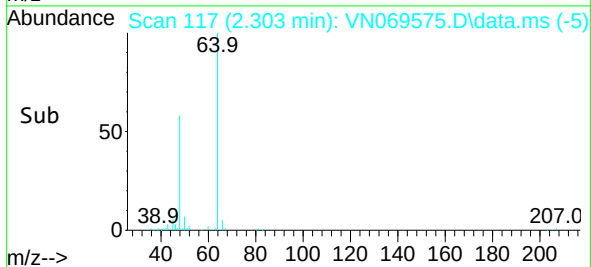
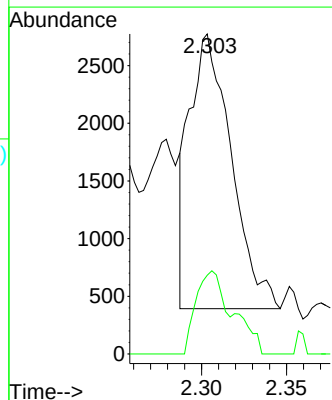
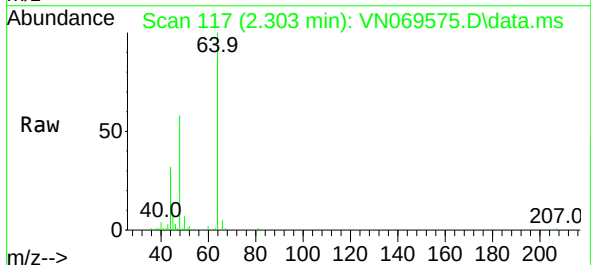


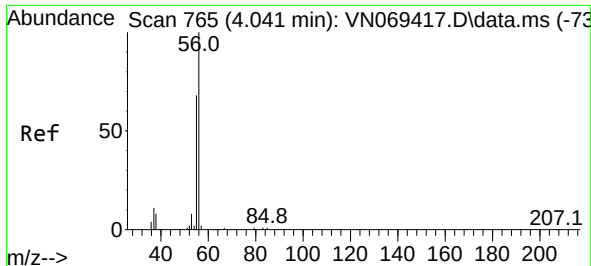
Tgt Ion:168 Resp: 1313901
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion: 50 Resp: 4079
Ion Ratio Lower Upper
50 100
52 28.6 25.4 38.0

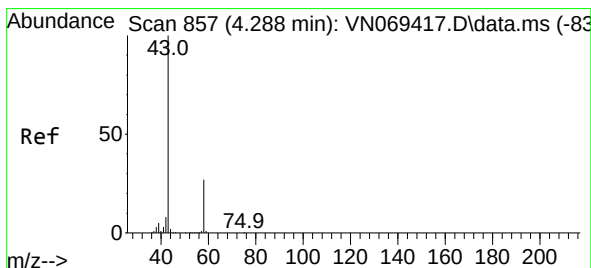
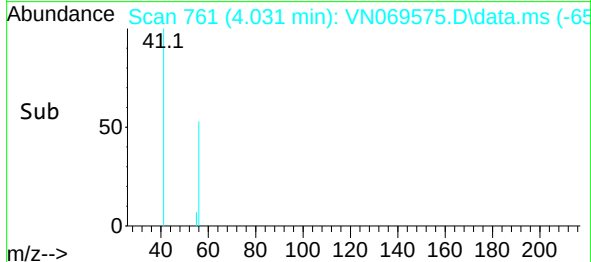
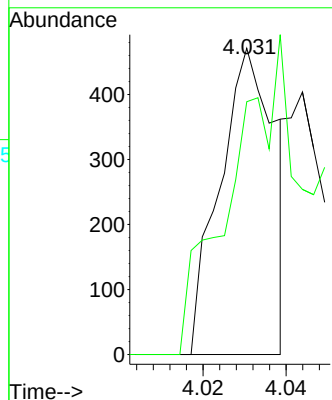
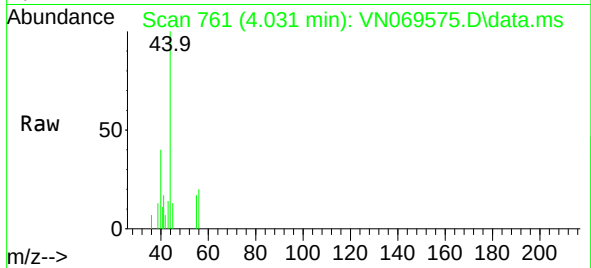




#13
Acrolein
Concen: 0.801 ug/l
RT: 4.031 min Scan# 70
Delta R.T. -0.010 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

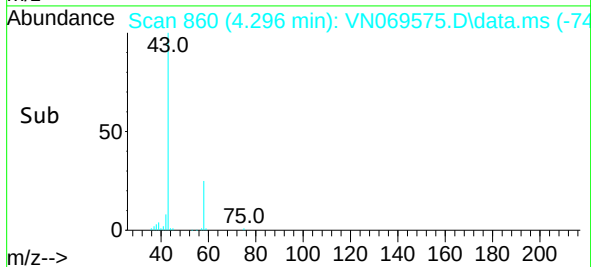
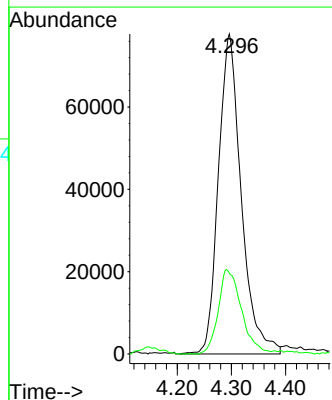
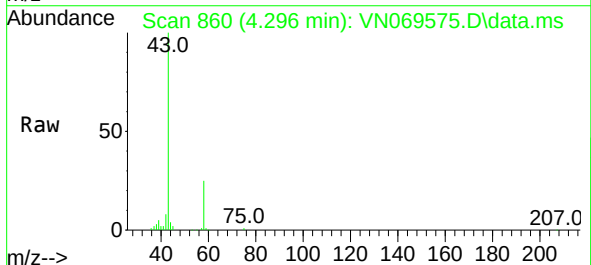
Instrument :
MSVOA_N
ClientSampleId :

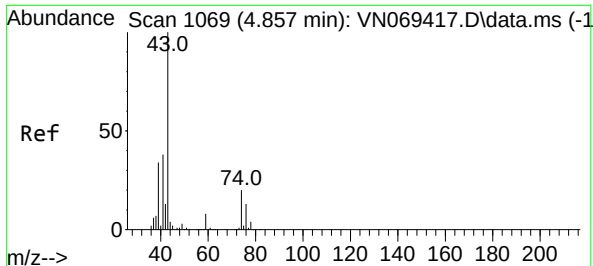
Tgt Ion: 56 Resp: 432
Ion Ratio Lower Upper
56 100
55 77.1 56.6 85.0



#16
Acetone
Concen: 22.170 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion: 43 Resp: 227884
Ion Ratio Lower Upper
43 100
58 25.3 23.1 34.7





#18

Methyl Acetate

Concen: 1.116 ug/l

RT: 4.867 min Scan# 1160

Delta R.T. 0.010 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

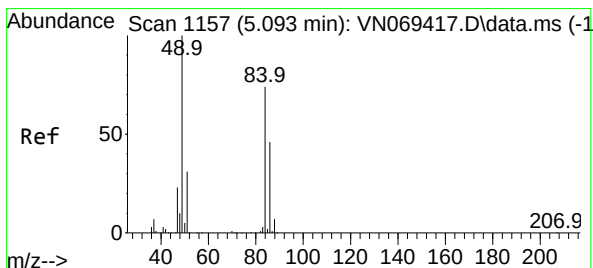
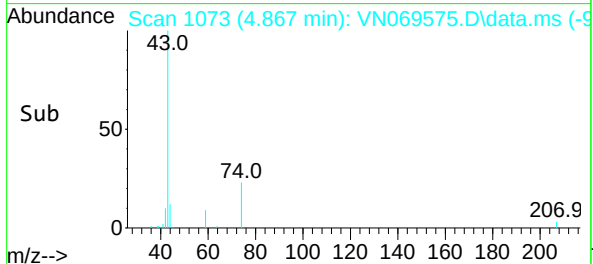
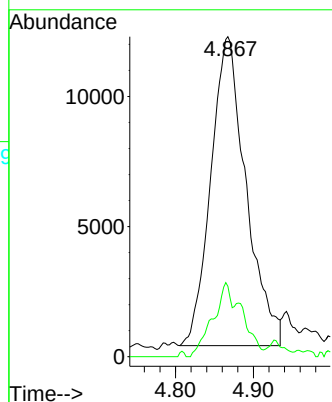
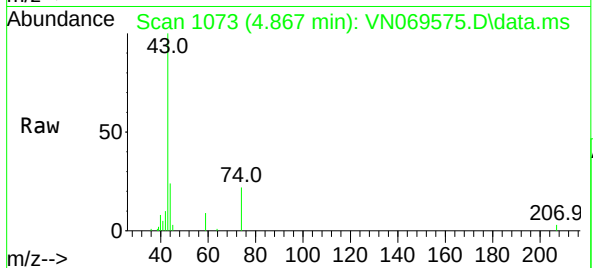
ClientSampleId :

Tgt Ion: 43 Resp: 37302

Ion Ratio Lower Upper

43 100

74 13.2 19.4 29.2#



#20

Methylene Chloride

Concen: 2.848 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Tgt Ion: 84 Resp: 41514

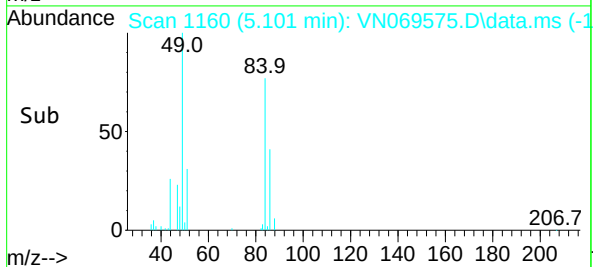
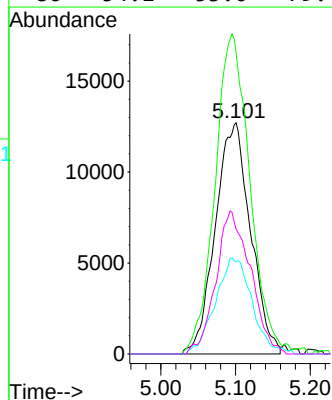
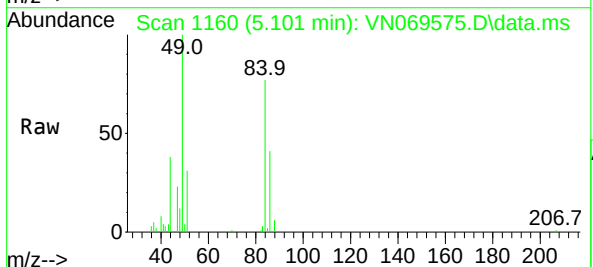
Ion Ratio Lower Upper

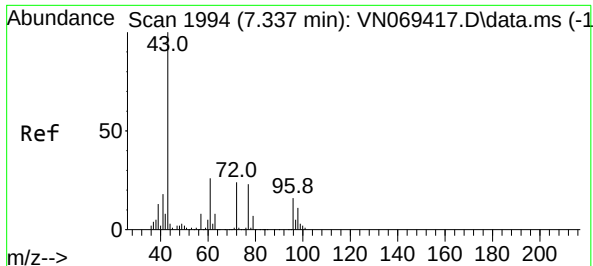
84 100

49 130.4 93.5 140.3

51 40.0 29.4 44.2

86 54.1 53.0 79.4





#25

2-Butanone

Concen: 4.697 ug/l

RT: 7.348 min Scan# 1994

Delta R.T. 0.011 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

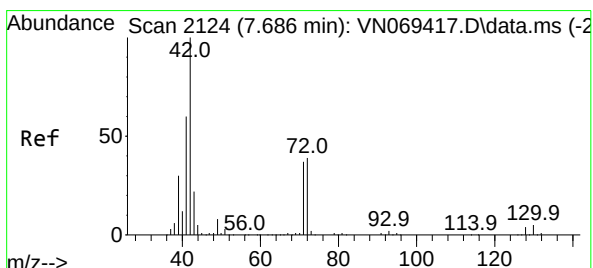
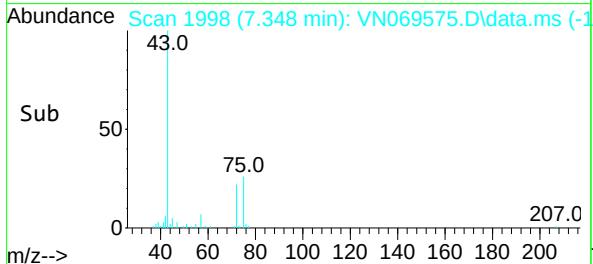
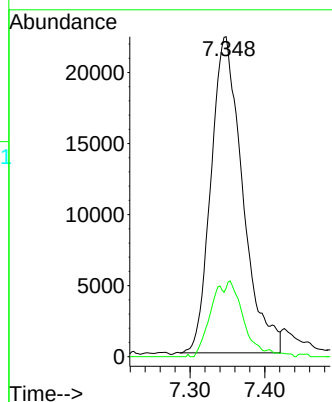
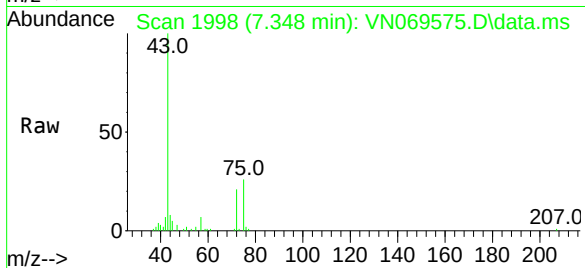
ClientSampleId :

Tgt Ion: 43 Resp: 65369

Ion Ratio Lower Upper

43 100

72 21.7 21.7 32.5#



#29

Tetrahydrofuran

Concen: 2.862 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.011 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

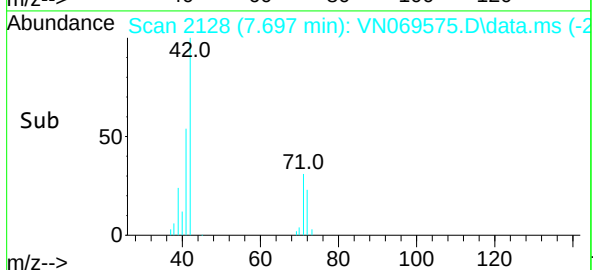
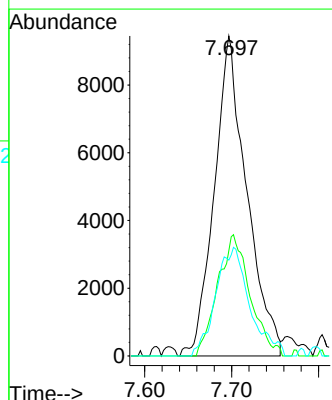
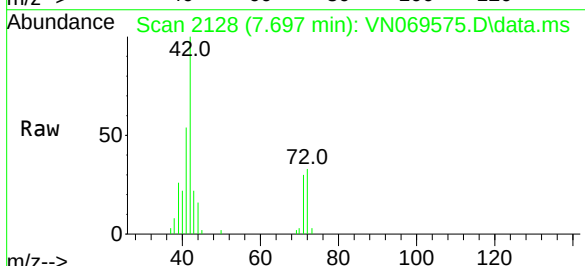
Tgt Ion: 42 Resp: 24442

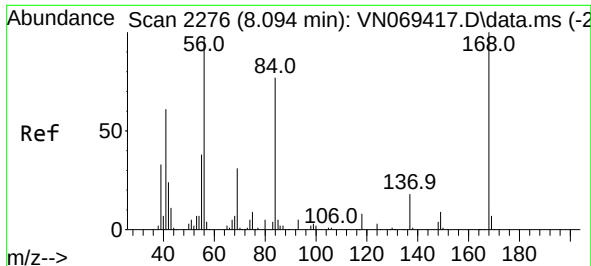
Ion Ratio Lower Upper

42 100

72 37.4 36.3 54.5

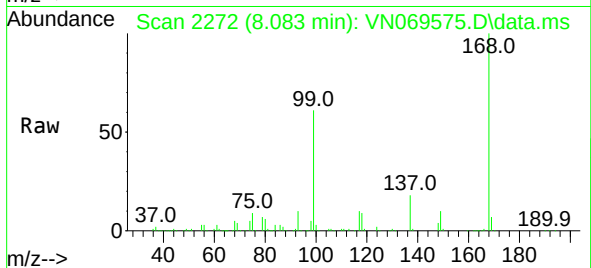
71 35.7 34.7 52.1



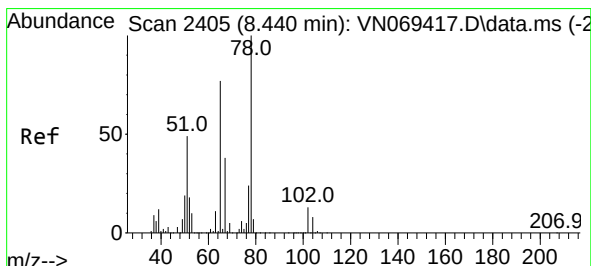
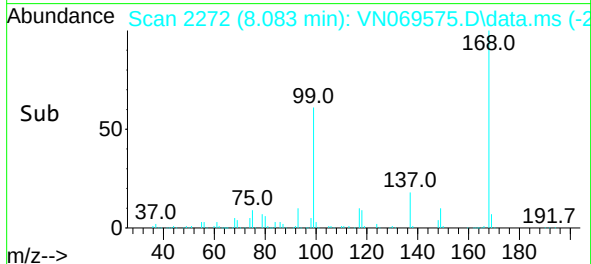
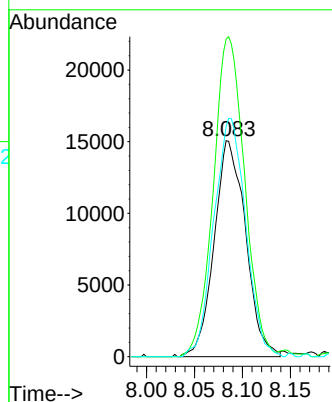


#31
Cyclohexane
Concen: 1.318 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Instrument :
MSVOA_N
ClientSampleId :

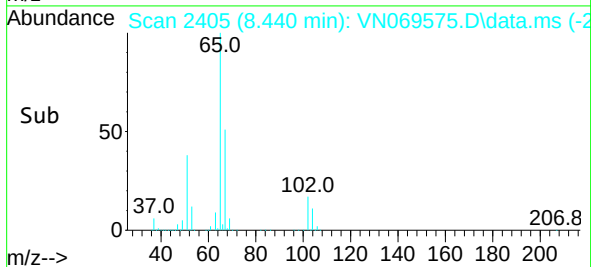
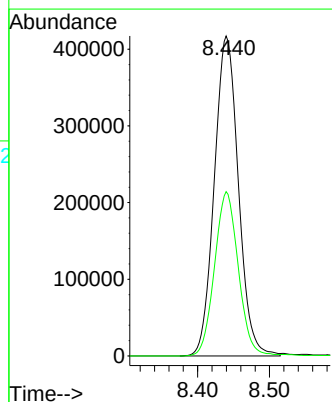
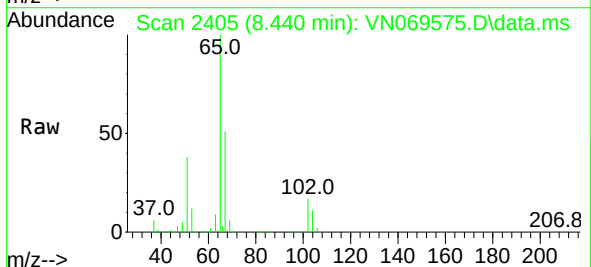


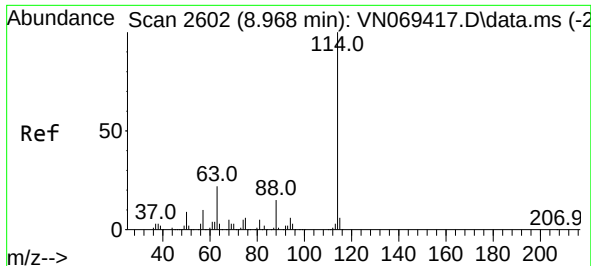
Tgt Ion: 56 Resp: 34308
Ion Ratio Lower Upper
56 100
69 147.0 27.1 40.7#
84 106.5 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.873 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

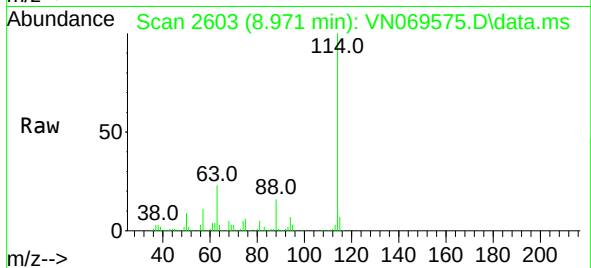
Tgt Ion: 65 Resp: 969181
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.0



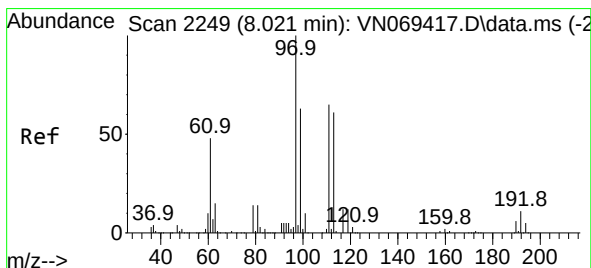
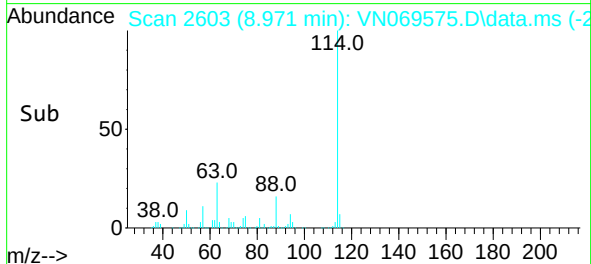
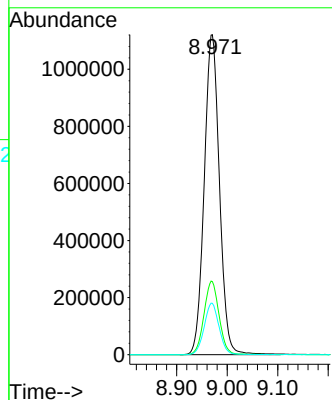


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VN069575.D
 Acq: 19 Nov 2021 1:58

Instrument :
 MSVOA_N
 ClientSampleId :

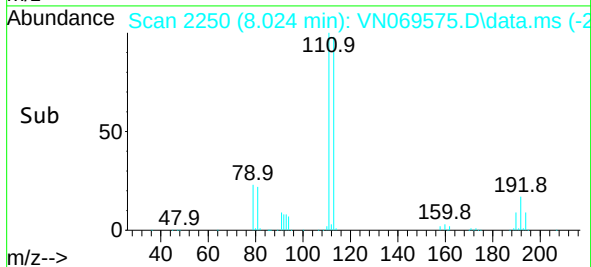
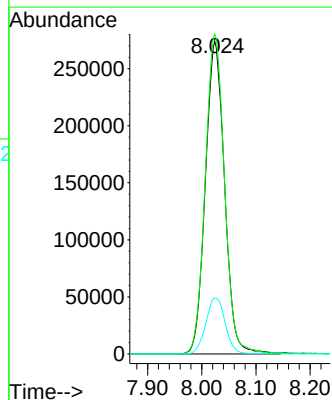
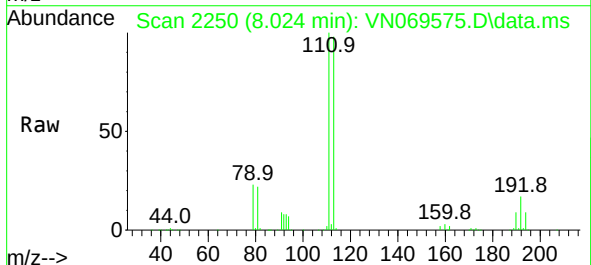


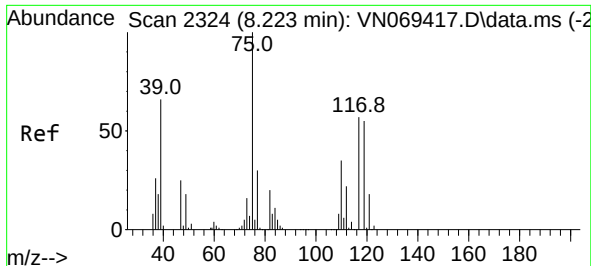
Tgt Ion:114 Resp: 2350108
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 37.8
 88 16.1 0.0 27.4



#35
 Dibromofluoromethane
 Concen: 47.887 ug/l
 RT: 8.024 min Scan# 2250
 Delta R.T. 0.003 min
 Lab File: VN069575.D
 Acq: 19 Nov 2021 1:58

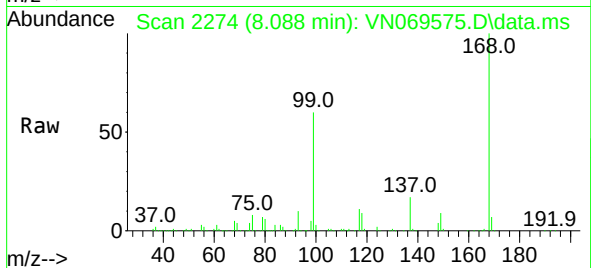
Tgt Ion:113 Resp: 674961
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 18.2 16.9 25.3



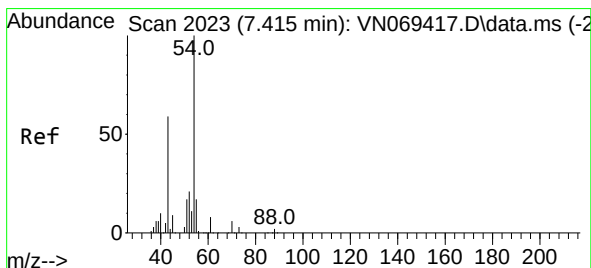
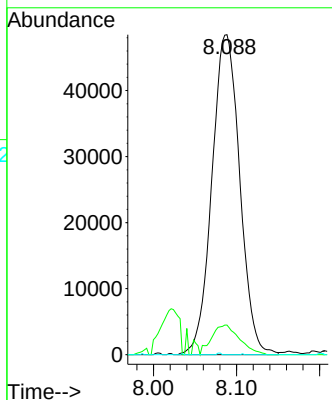
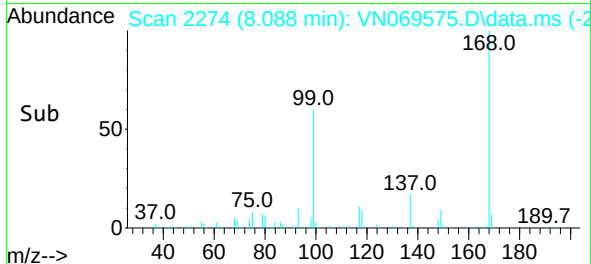


#36
1,1-Dichloropropene
Concen: 5.713 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.135 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Instrument :
MSVOA_N
ClientSampleId :

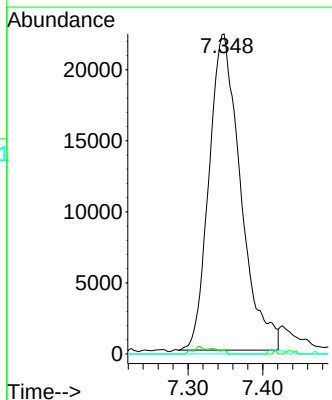
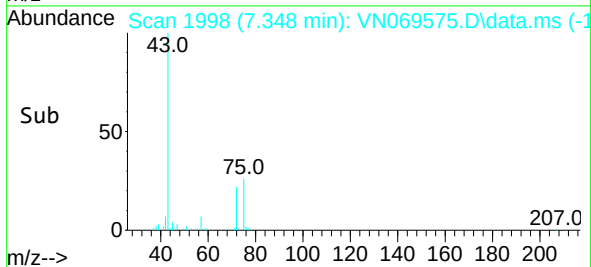
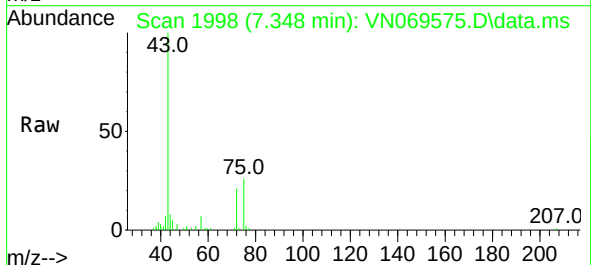


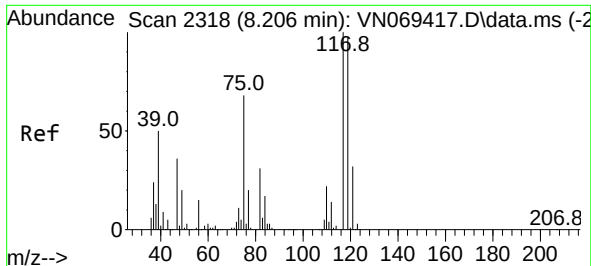
Tgt Ion: 75 Resp: 112982
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.1 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.445 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

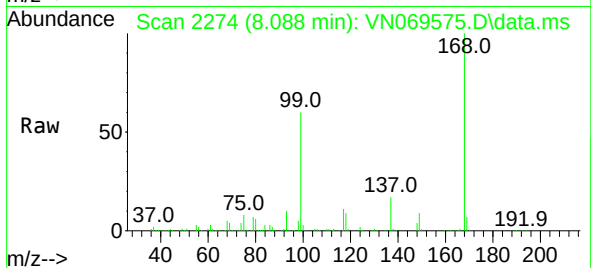
Tgt Ion: 43 Resp: 65369
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



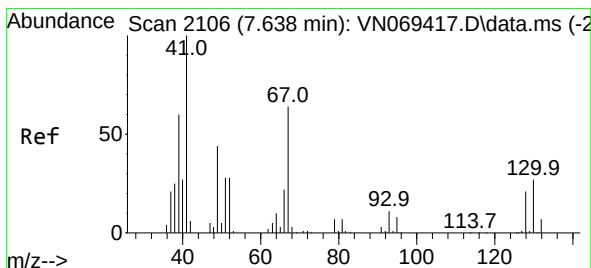
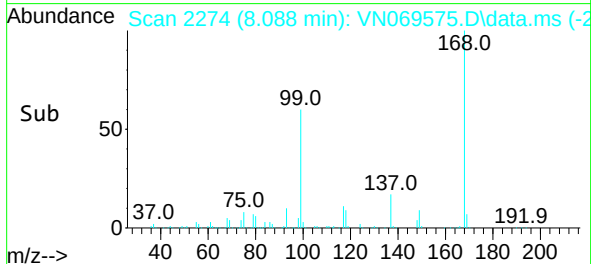
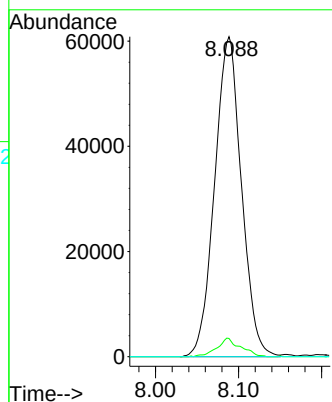


#38
Carbon Tetrachloride
Concen: 7.145 ug/l
RT: 8.088 min Scan# 2118
Delta R.T. -0.118 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Instrument :
MSVOA_N
ClientSampleId :

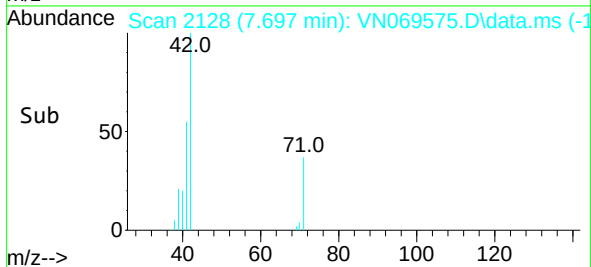
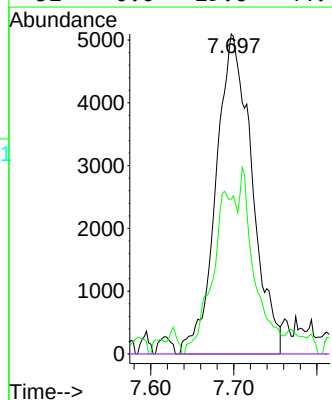
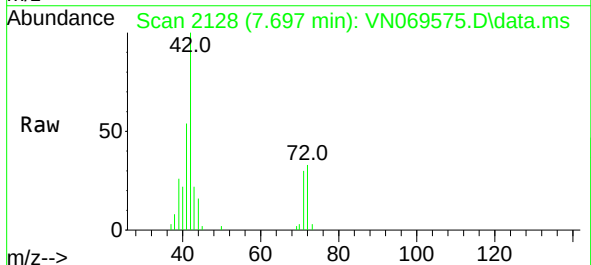


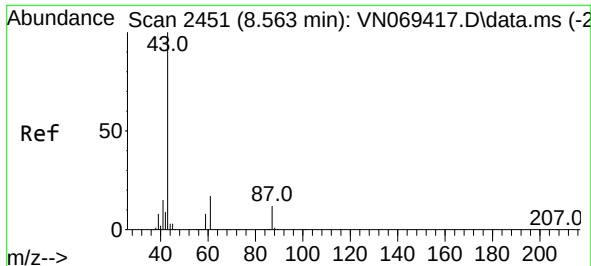
Tgt Ion: 117 Resp: 136413
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.106 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

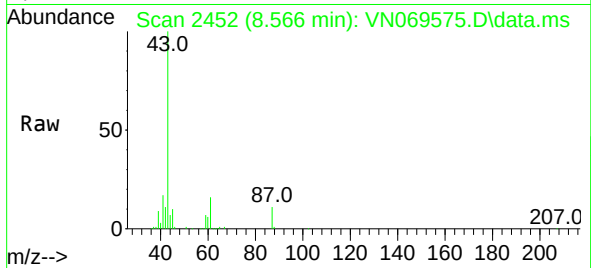
Tgt Ion: 41 Resp: 15280
Ion Ratio Lower Upper
41 100
39 34.7 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



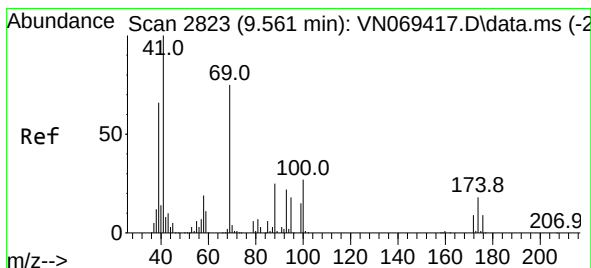
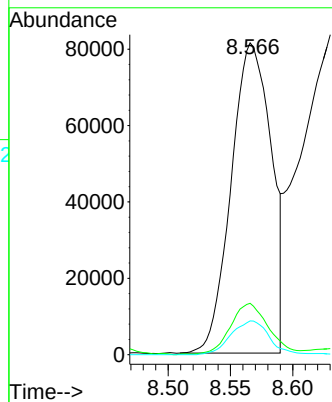
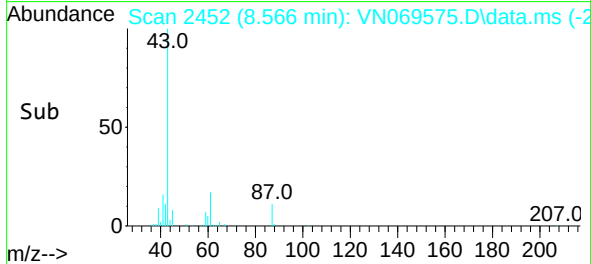


#43
Isopropyl Acetate
Concen: 4.231 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Instrument :
MSVOA_N
ClientSampleId :

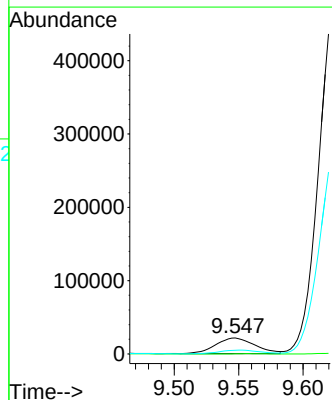
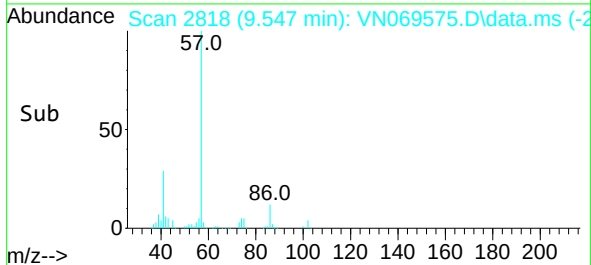
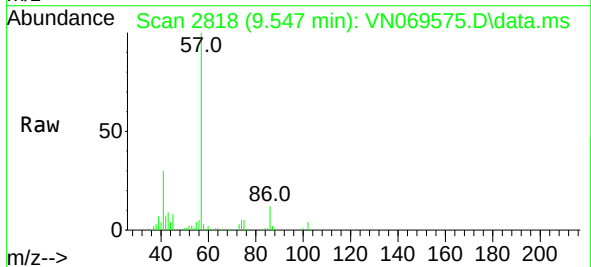


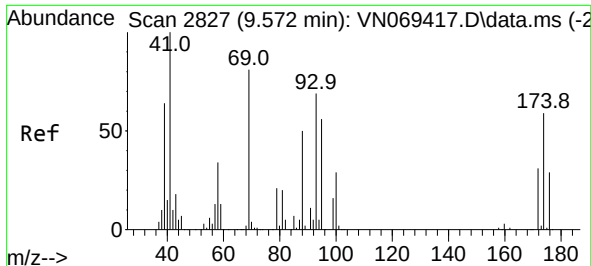
Tgt Ion: 43 Resp: 181662
Ion Ratio Lower Upper
43 100
61 15.4 20.4 30.6#
87 10.4 11.2 16.8#



#48
Methyl methacrylate
Concen: 2.217 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion: 41 Resp: 44776
Ion Ratio Lower Upper
41 100
69 0.9 72.4 108.6#
39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 0.849 ug/l

RT: 9.571 min Scan# 21

Delta R.T. -0.001 min MSVOA_N

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

ClientSampleId :

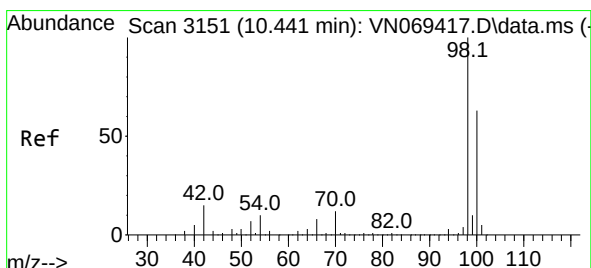
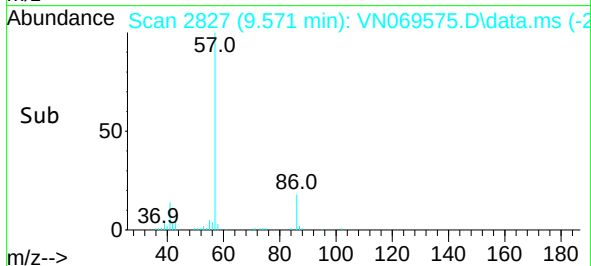
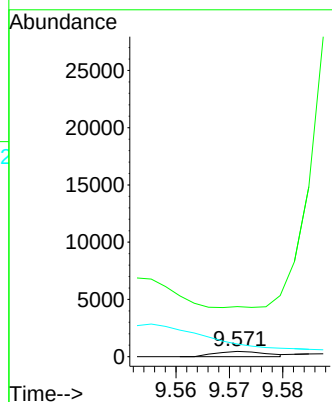
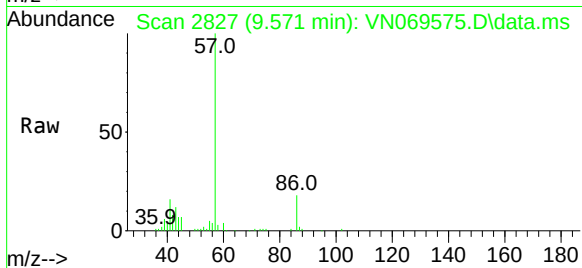
Tgt Ion: 88 Resp: 306

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 1194.1 50.6 75.8#



#50

Toluene-d8

Concen: 53.864 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN069575.D

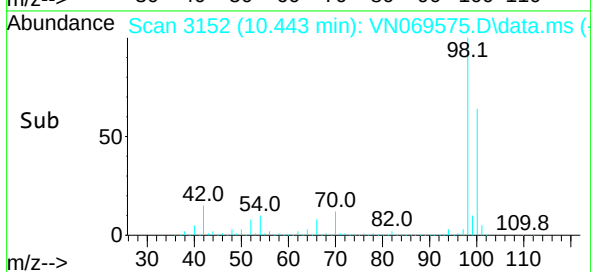
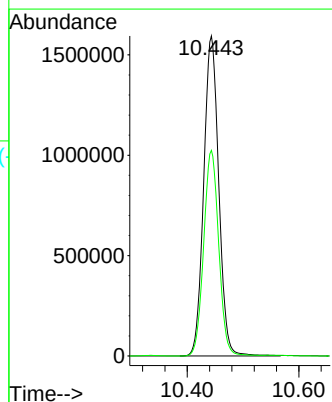
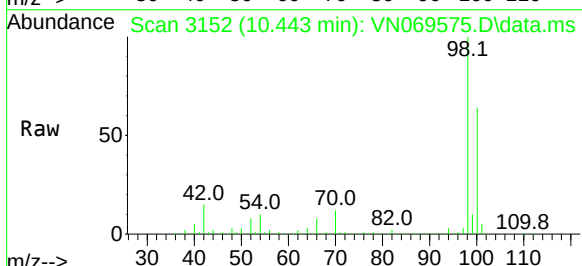
Acq: 19 Nov 2021 1:58

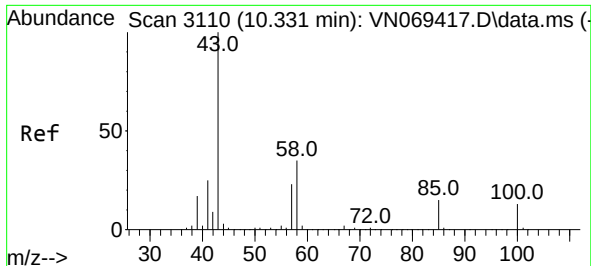
Tgt Ion: 98 Resp: 2985960

Ion Ratio Lower Upper

98 100

100 64.2 50.4 75.6

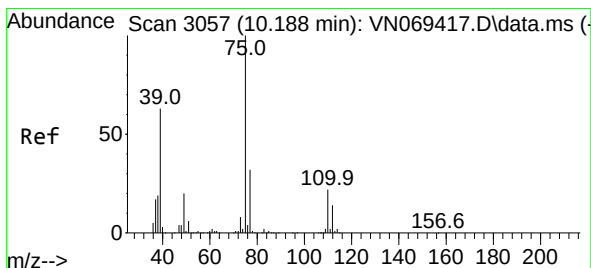
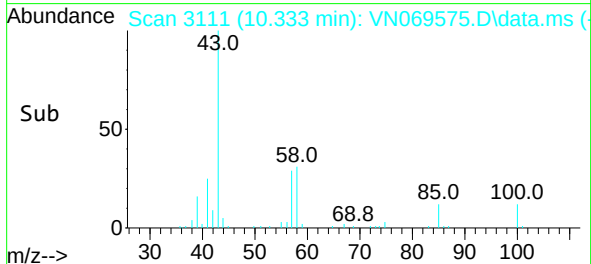
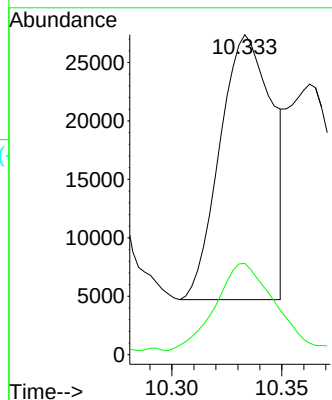
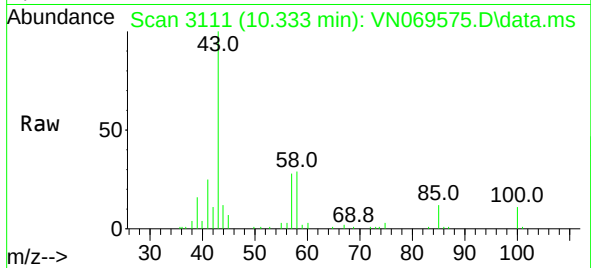




#51
4-Methyl-2-Pentanone
Concen: 1.357 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

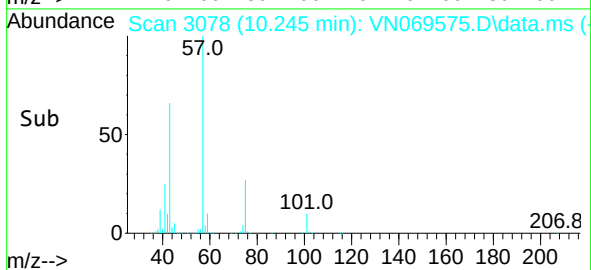
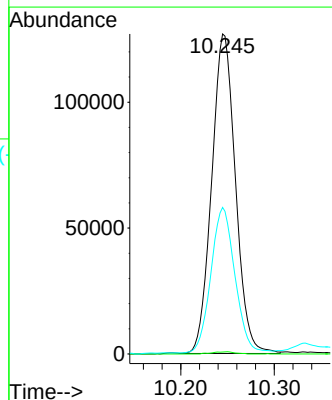
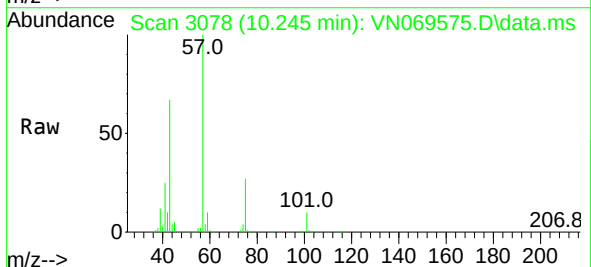
Instrument :
MSVOA_N
ClientSampleId :

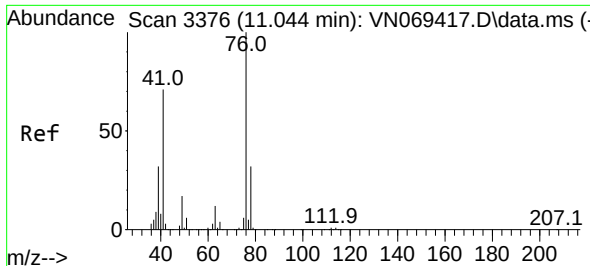
Tgt Ion: 43 Resp: 37620
Ion Ratio Lower Upper
43 100
58 42.7 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 9.641 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion: 75 Resp: 224114
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 45.5 42.5 63.7





#57

1,3-Dichloropropane

Concen: 5.152 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.048 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

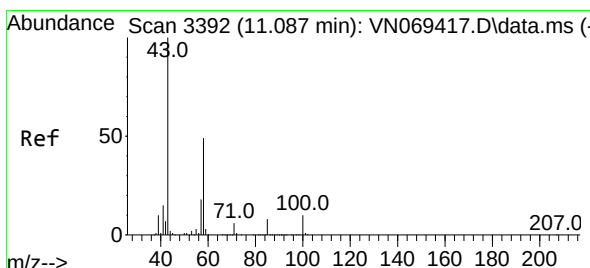
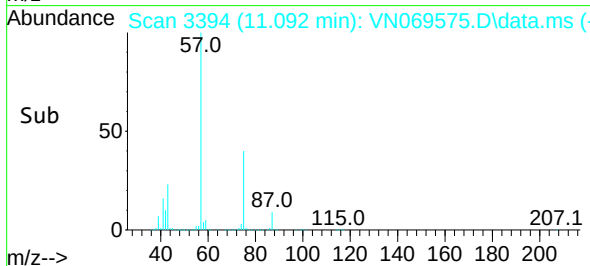
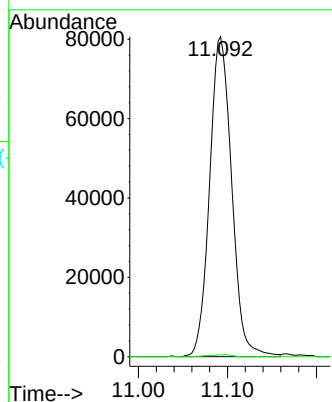
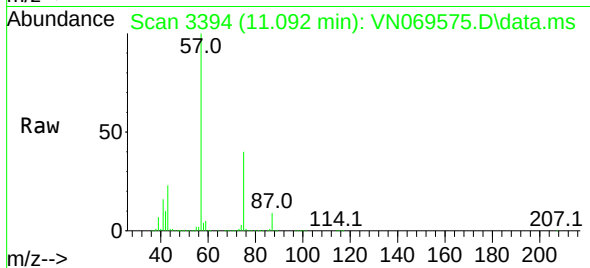
ClientSampleId :

Tgt Ion: 76 Resp: 138775

Ion Ratio Lower Upper

76 100

78 0.6 25.7 38.5#



#59

2-Hexanone

Concen: 115.684 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.005 min

Lab File: VN069575.D

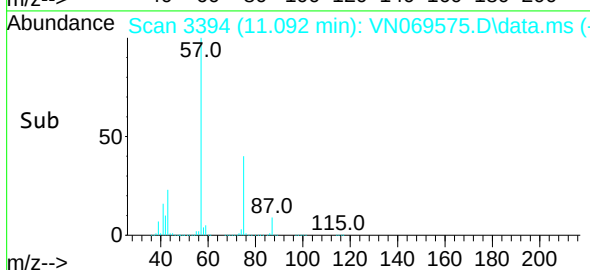
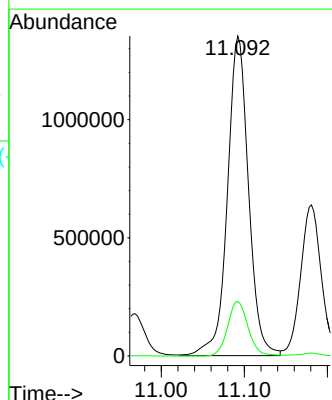
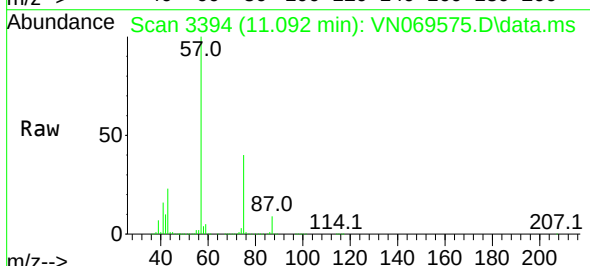
Acq: 19 Nov 2021 1:58

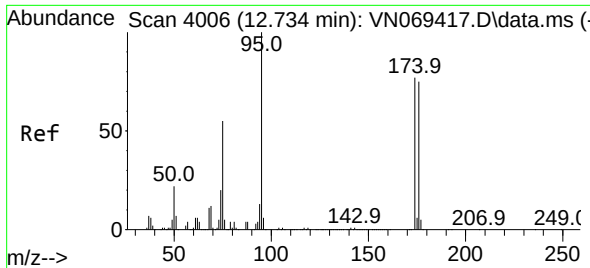
Tgt Ion: 43 Resp: 2389299

Ion Ratio Lower Upper

43 100

58 16.6 26.9 80.7#

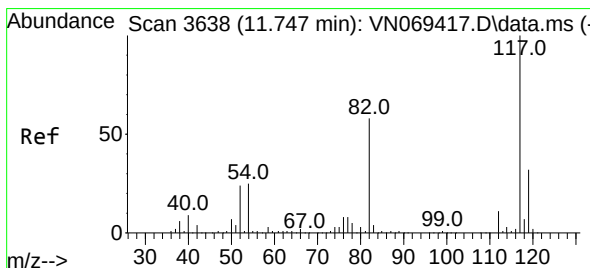
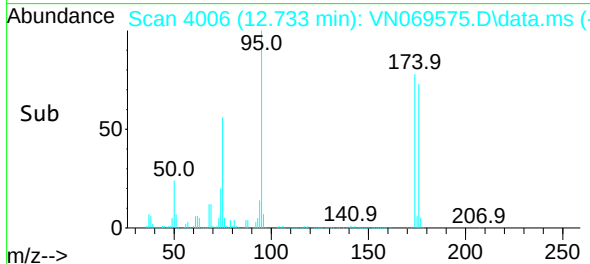
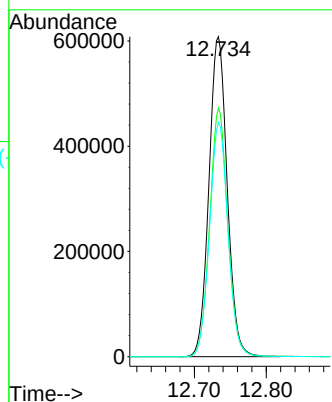
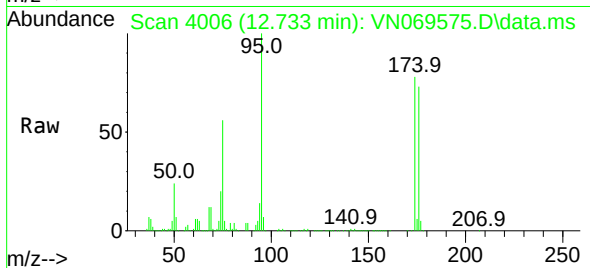




#62
4-Bromofluorobenzene
Concen: 52.728 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

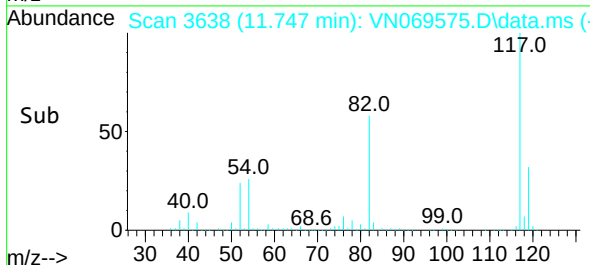
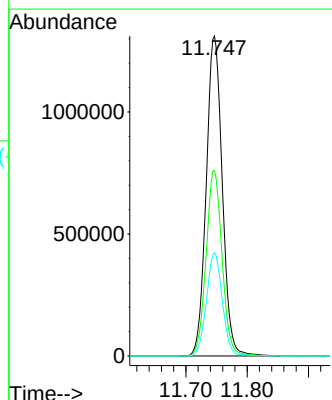
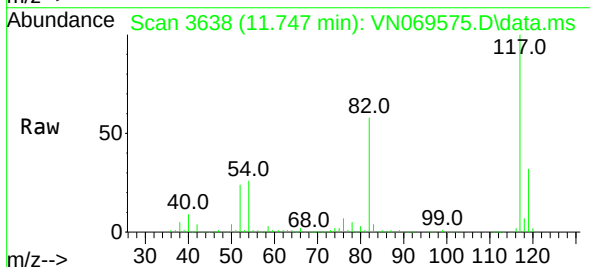
Instrument :
MSVOA_N
ClientSampleId :

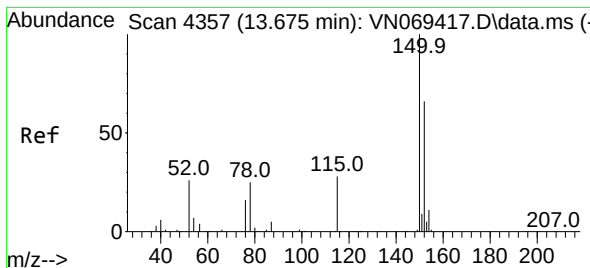
Tgt Ion: 95 Resp: 1073806
Ion Ratio Lower Upper
95 100
174 77.0 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion: 117 Resp: 2387846
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 32.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 41

Delta R.T. 0.003 min

Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

ClientSampleId :

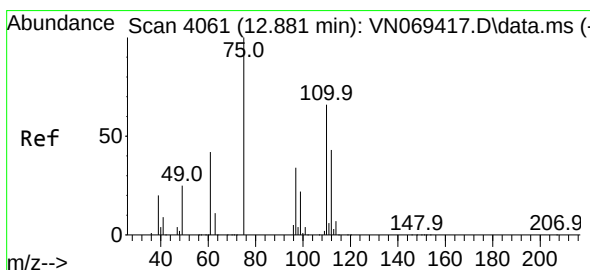
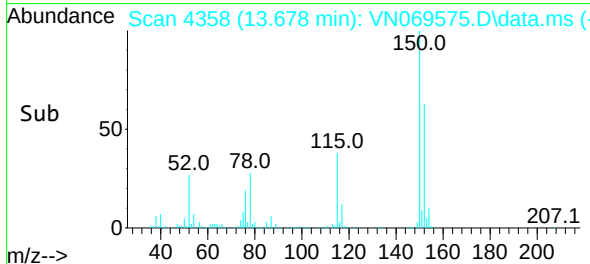
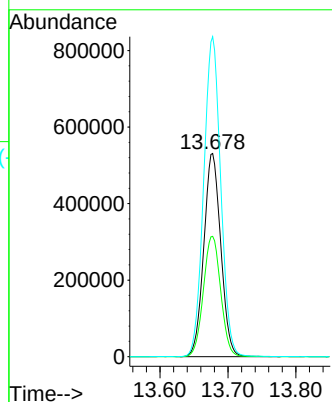
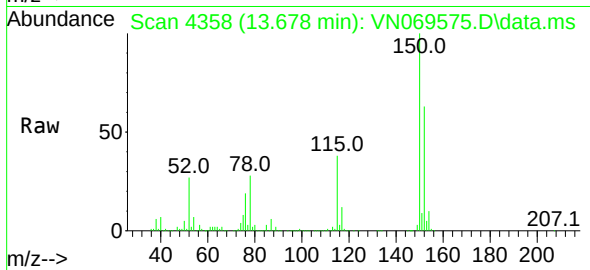
Tgt Ion:152 Resp: 920412

Ion Ratio Lower Upper

152 100

115 60.5 27.5 82.5

150 157.9 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 28.287 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.148 min

Lab File: VN069575.D

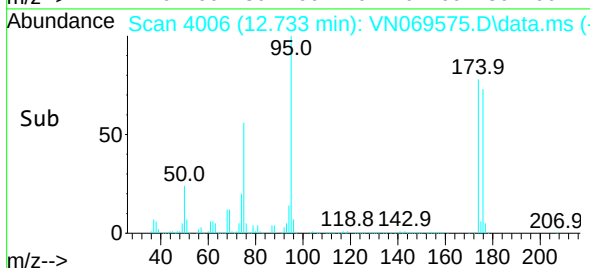
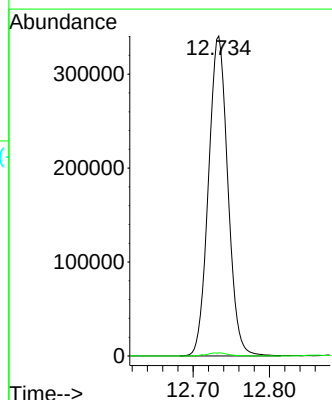
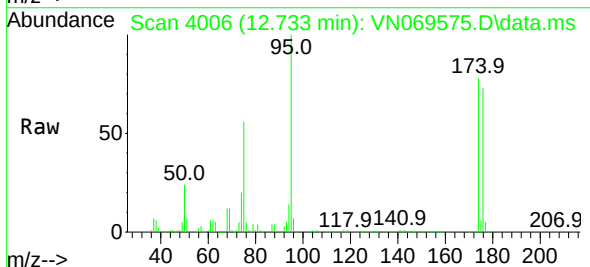
Acq: 19 Nov 2021 1:58

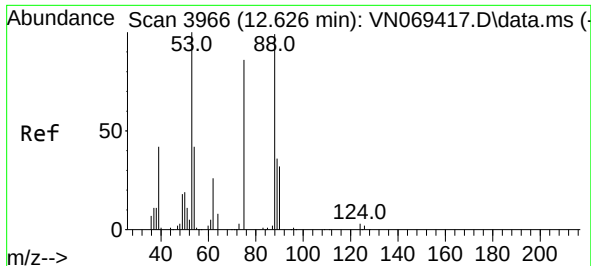
Tgt Ion: 75 Resp: 600852

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

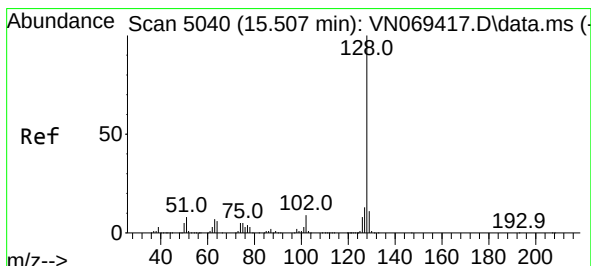
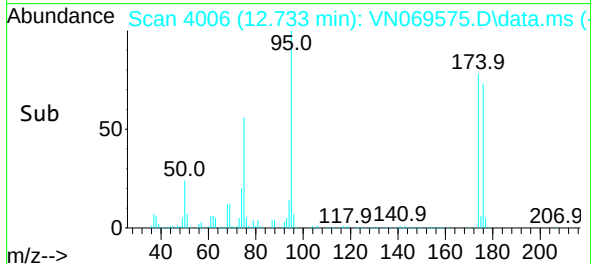
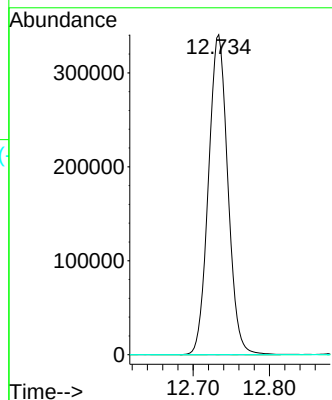
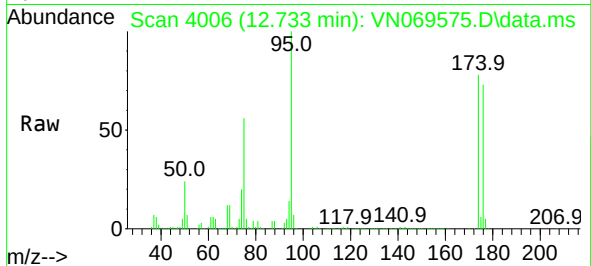




#81
trans-1,4-Dichloro-2-butene
Concen: 94.919 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

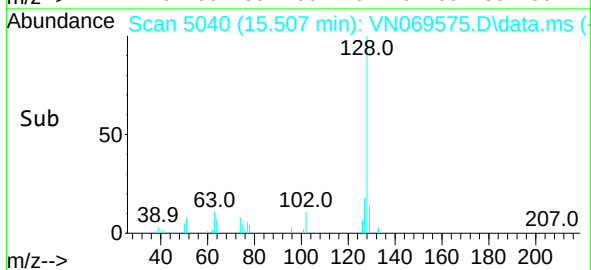
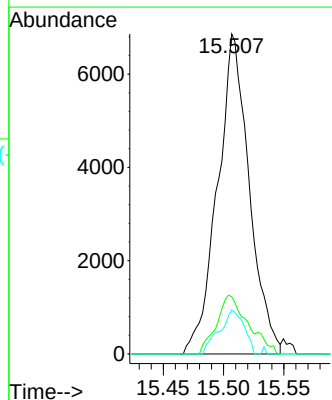
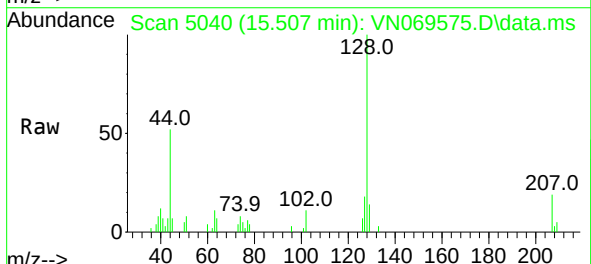
Instrument :
MSVOA_N
ClientSampleId :

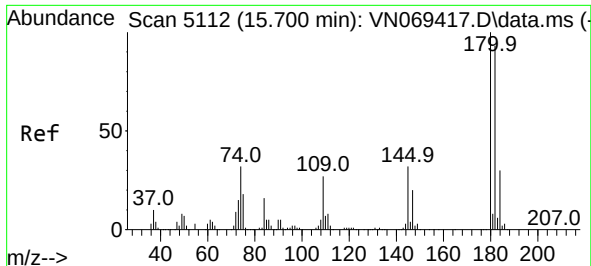
Tgt Ion: 75 Resp: 600852
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 0.384 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069575.D
Acq: 19 Nov 2021 1:58

Tgt Ion:128 Resp: 12559
Ion Ratio Lower Upper
128 100
127 18.2 10.5 15.7#
129 10.6 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.228 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.000 min

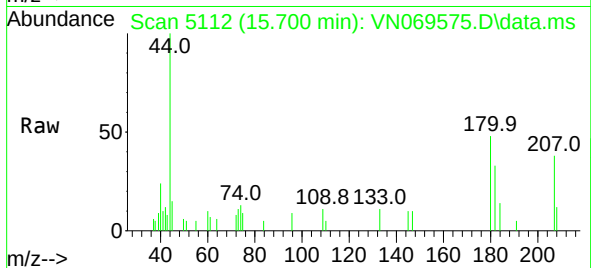
Lab File: VN069575.D

Acq: 19 Nov 2021 1:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 2659

Ion Ratio Lower Upper

180 100

182 53.3 47.4 142.2

145 19.7 15.0 45.1

