

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070078.D
 Acq On : 14 Dec 2021 18:23
 Operator : JC/MD
 Sample : M4990-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:20:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

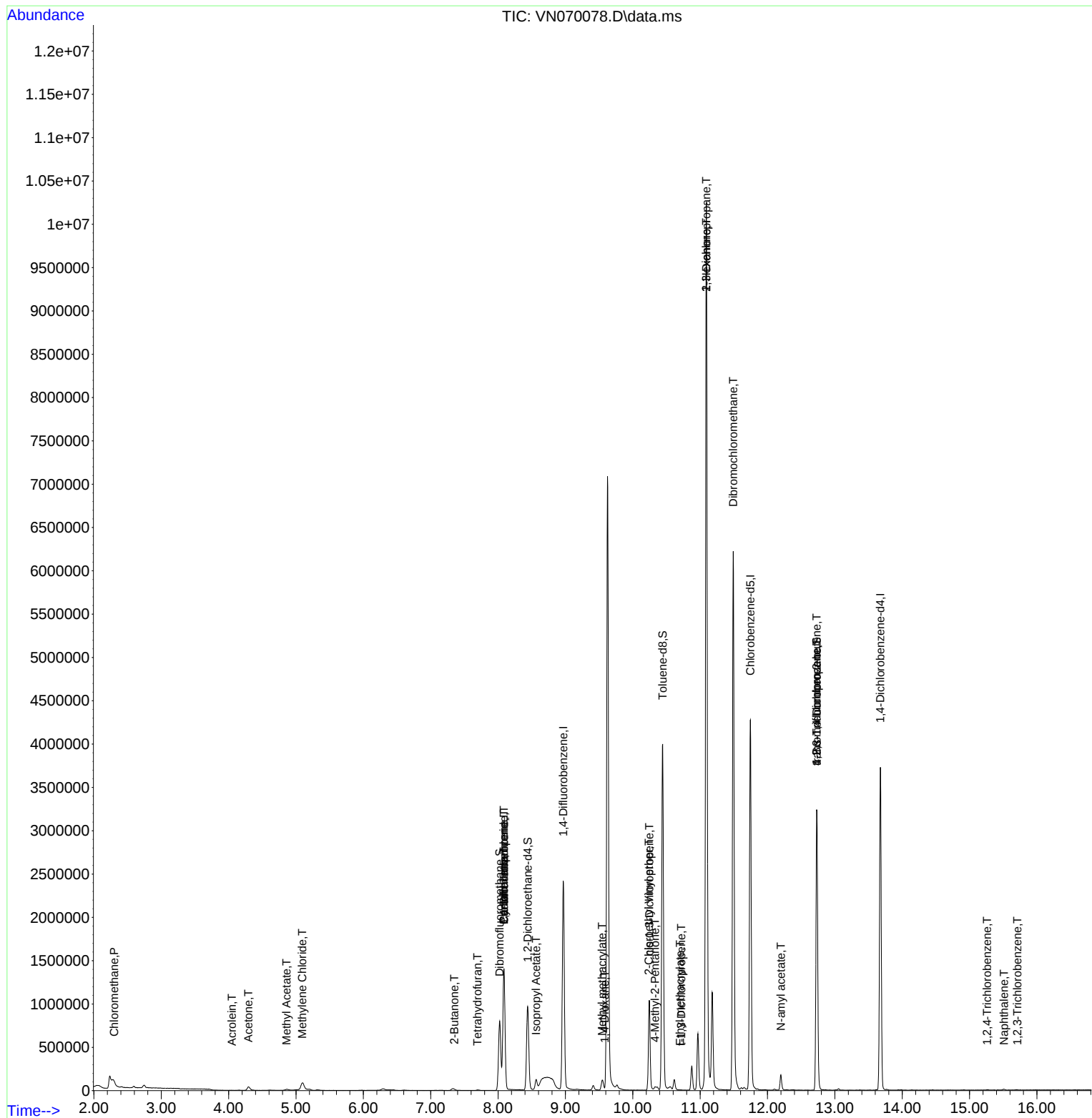
Internal Standards						
1) Pentafluorobenzene	8.088	168	1035190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2021420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2349593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	966905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	845937	52.926	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.860%	
35) Dibromofluoromethane	8.024	113	583490	46.083	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 92.160%	
50) Toluene-d8	10.443	98	2696374	53.035	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.080%	
62) 4-Bromofluorobenzene	12.731	95	1136227	61.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 123.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	4507	0.298	ug/l	91
13) Acrolein	4.047	56	809	0.314	ug/l #	79
16) Acetone	4.293	43	78355	8.149	ug/l	96
18) Methyl Acetate	4.859	43	10865	0.374	ug/l	96
20) Methylene Chloride	5.093	84	57905	4.530	ug/l #	85
25) 2-Butanone	7.351	43	16541	1.266	ug/l #	87
29) Tetrahydrofuran	7.694	42	5953	0.750	ug/l #	50
31) Cyclohexane	8.088	56	26517	1.192	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	89312	4.641	ug/l #	49
38) Carbon Tetrachloride	8.088	117	106435	5.640	ug/l #	16
43) Isopropyl Acetate	8.563	43	144908	3.419	ug/l #	82
48) Methyl methacrylate	9.545	41	34944	1.767	ug/l #	8
49) 1,4-Dioxane	9.585	88	87	0.245	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	18519	0.674	ug/l #	75
53) t-1,3-Dichloropropene	10.719	75	249	2.804	ug/l	91
54) cis-1,3-Dichloropropene	10.245	75	161478	8.259	ug/l #	72
56) Ethyl methacrylate	10.701	69	662	2.302	ug/l #	24
57) 1,3-Dichloropropane	11.092	76	101488	3.978	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.237	63	128	18.405	ug/l #	45
59) 2-Hexanone	11.092	43	1833212	88.136	ug/l #	48
60) Dibromochloromethane	11.492	129	940	2.434	ug/l #	11
74) N-amyl acetate	12.197	43	62607	1.646	ug/l #	53
76) 1,2,3-Trichloropropane	12.731	75	631850	22.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	631850	72.582	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	1161	2.947	ug/l #	68
95) Naphthalene	15.512	128	9030	4.161	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	1327	2.517	ug/l	89

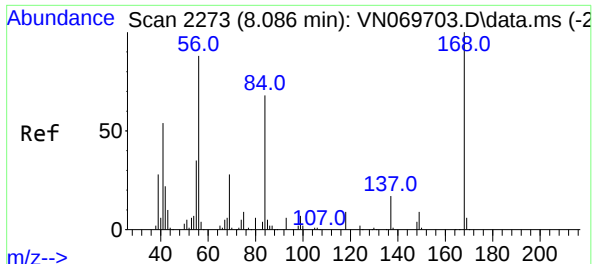
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

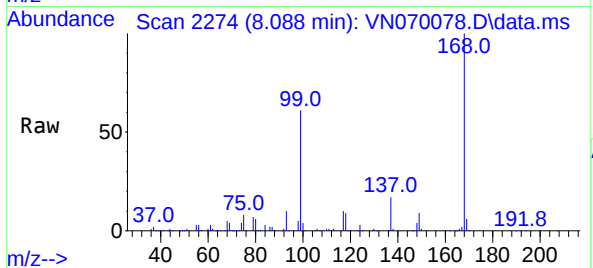
Quant Time: Dec 15 05:20:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



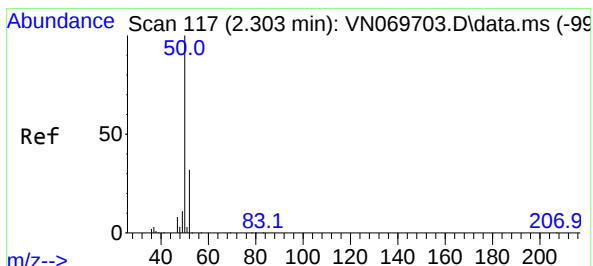
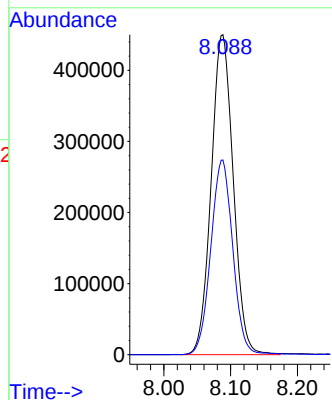
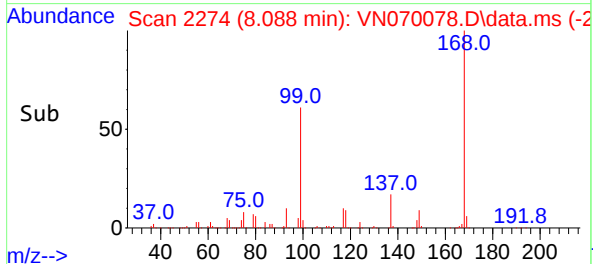


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

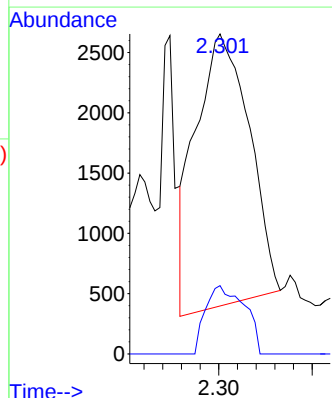
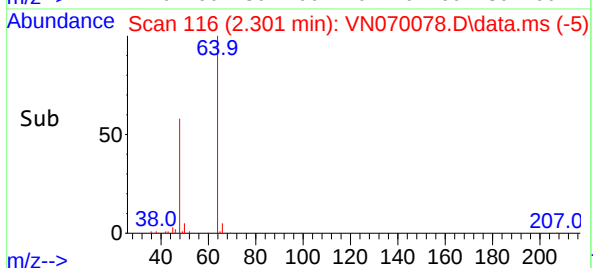
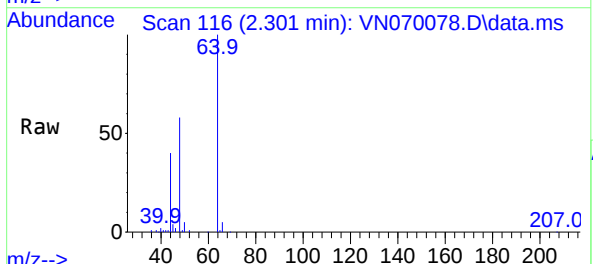


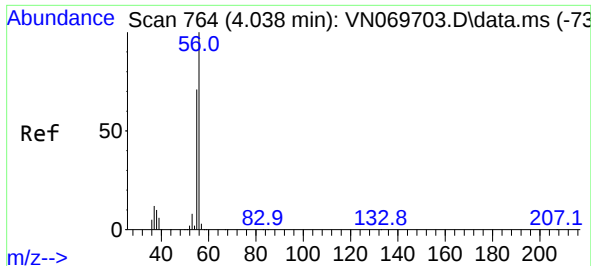
Tgt Ion:168 Resp: 1035190
Ion Ratio Lower Upper
168 100
99 60.8 41.3 61.9



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

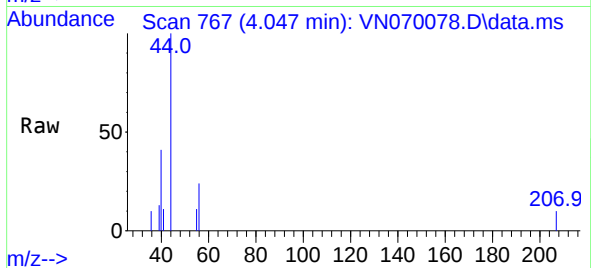
Tgt Ion: 50 Resp: 4507
Ion Ratio Lower Upper
50 100
52 26.6 25.4 38.0



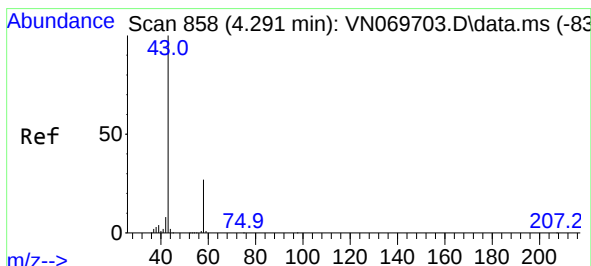
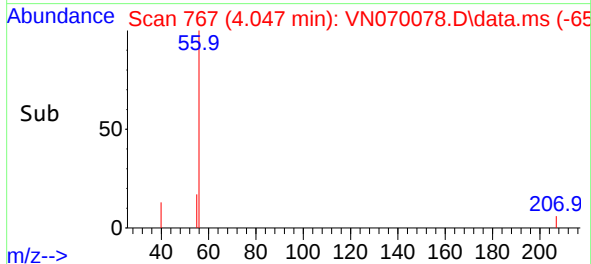
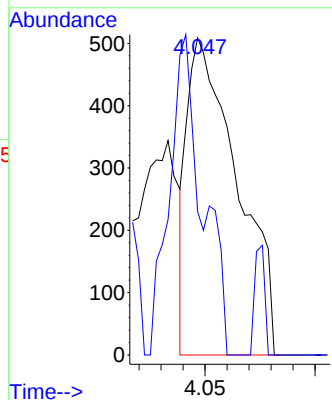


#13
Acrolein
Concen: 0.314 ug/l
RT: 4.047 min Scan# 764
Delta R.T. 0.008 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

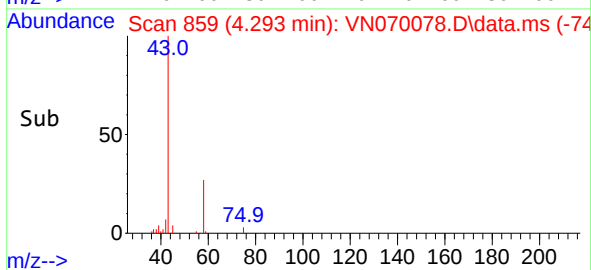
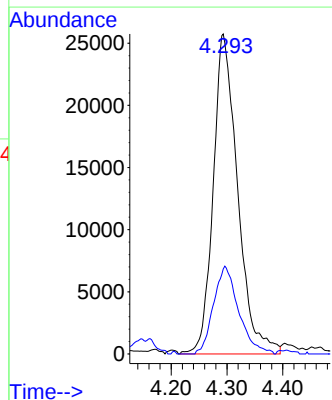
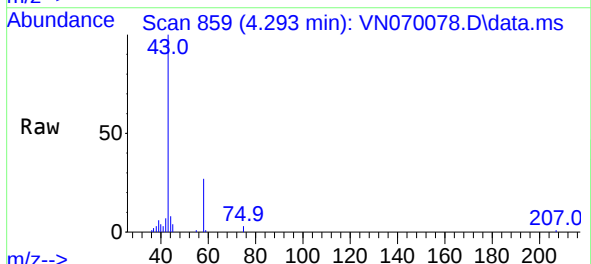


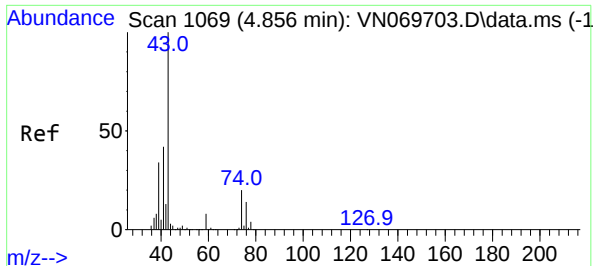
Tgt Ion: 56 Resp: 809
Ion Ratio Lower Upper
56 100
55 53.3 56.6 85.0#



#16
Acetone
Concen: 8.149 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 43 Resp: 78355
Ion Ratio Lower Upper
43 100
58 26.6 23.1 34.7

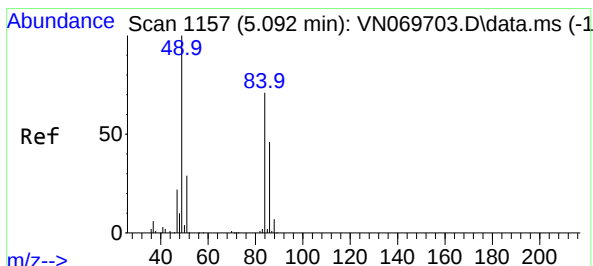
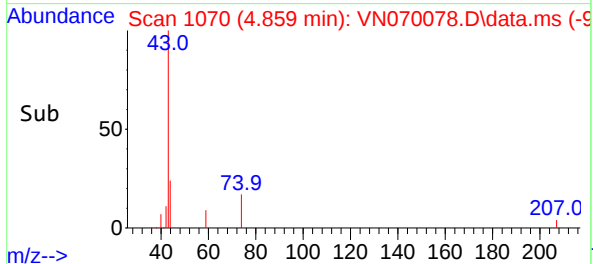
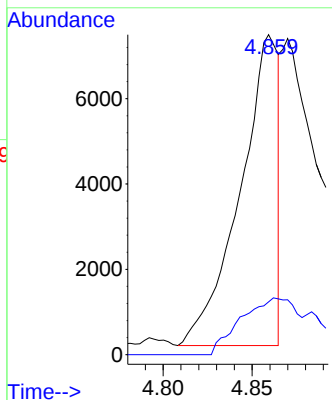
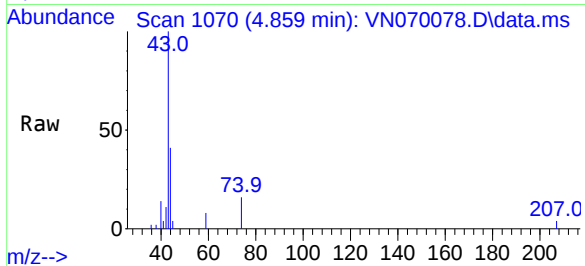




#18
Methyl Acetate
Concen: 0.374 ug/l
RT: 4.859 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

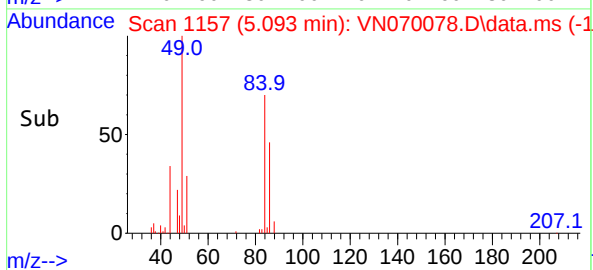
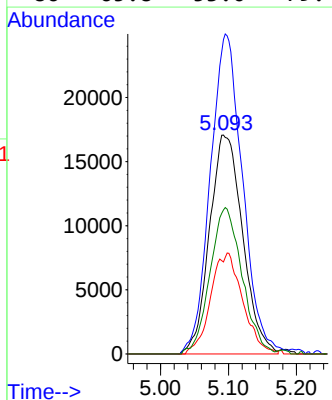
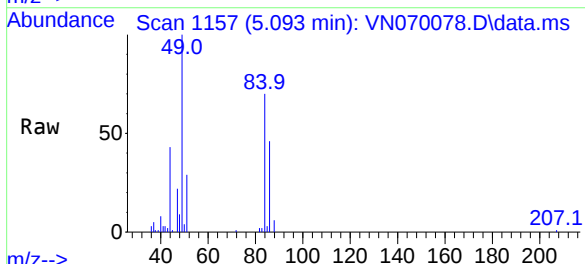
Instrument :
MSVOA_N
ClientSampleId :

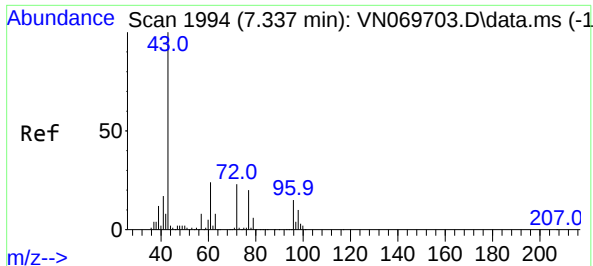
Tgt Ion: 43 Resp: 10865
Ion Ratio Lower Upper
43 100
74 26.5 19.4 29.2



#20
Methylene Chloride
Concen: 4.530 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 84 Resp: 57905
Ion Ratio Lower Upper
84 100
49 143.7 93.5 140.3#
51 42.0 29.4 44.2
86 65.8 53.0 79.4

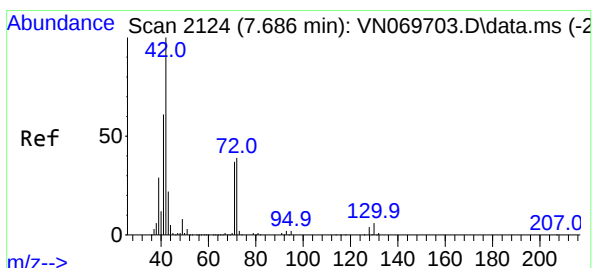
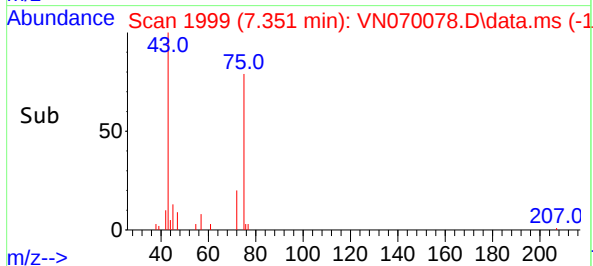
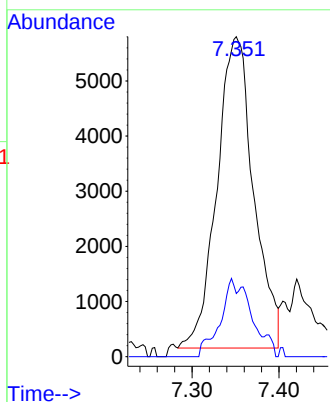
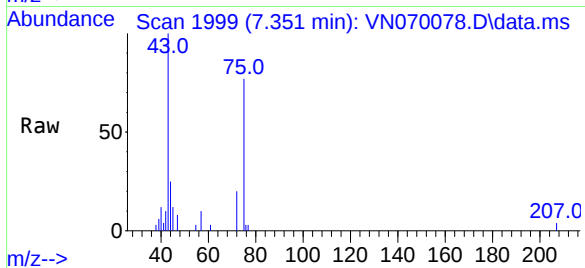




#25
2-Butanone
Concen: 1.266 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

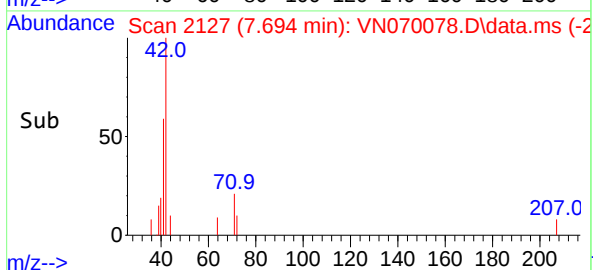
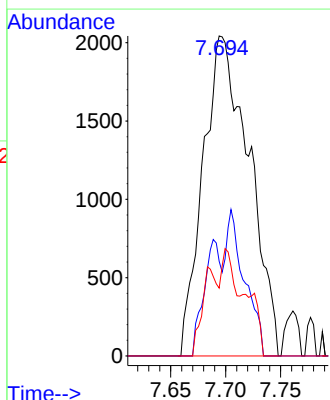
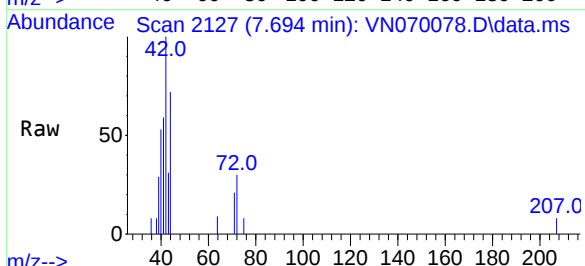
Instrument :
MSVOA_N
ClientSampleId :

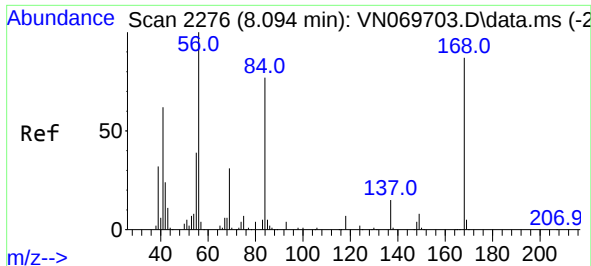
Tgt Ion: 43 Resp: 16541
Ion Ratio Lower Upper
43 100
72 20.3 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.750 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.008 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

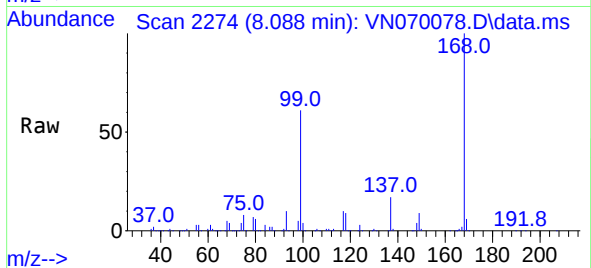
Tgt Ion: 42 Resp: 5953
Ion Ratio Lower Upper
42 100
72 18.9 36.3 54.5#
71 4.3 34.7 52.1#



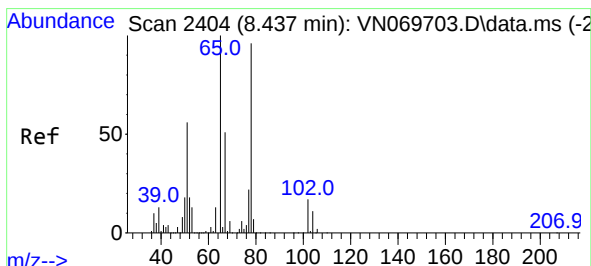
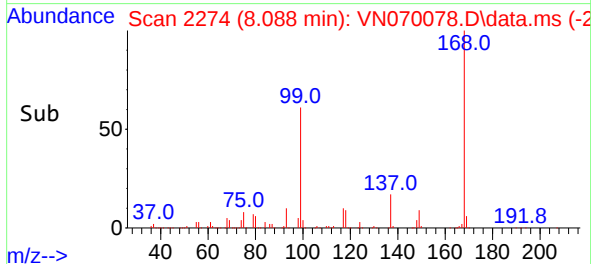
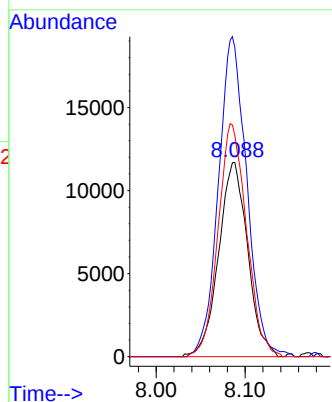


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

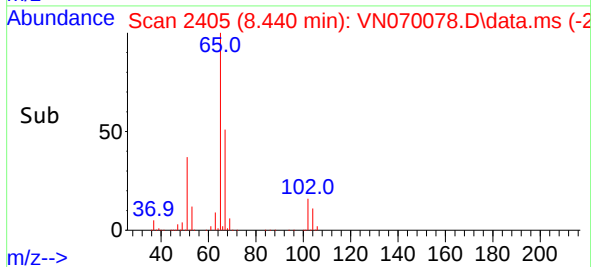
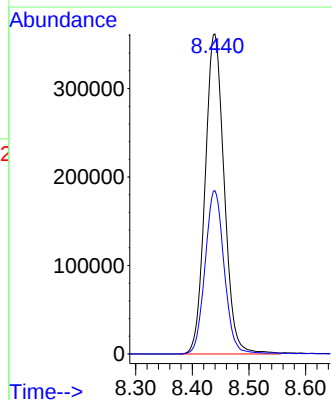
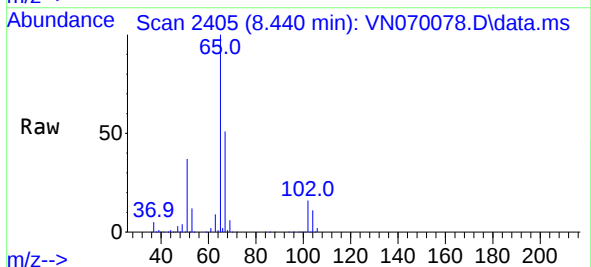


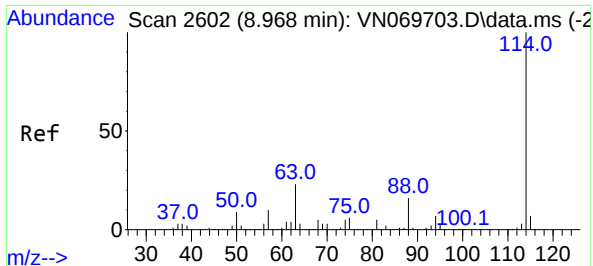
Tgt Ion: 56 Resp: 26517
Ion Ratio Lower Upper
56 100
69 159.3 27.1 40.7#
84 114.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.926 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 65 Resp: 845937
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN070078.D

Acq: 14 Dec 2021 18:23

Instrument :

MSVOA_N

ClientSampleId :

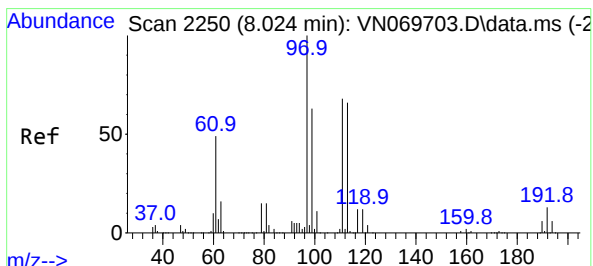
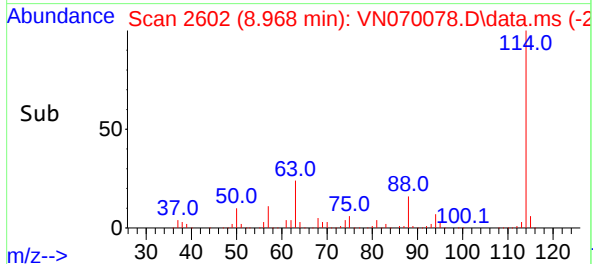
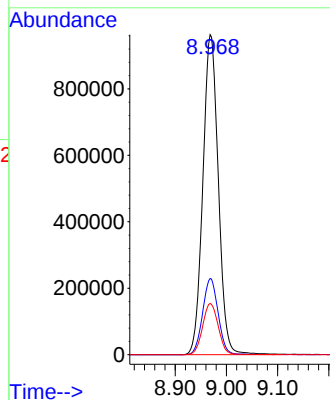
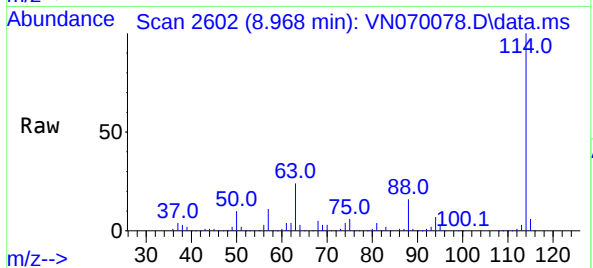
Tgt Ion:114 Resp: 2021420

Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.083 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN070078.D

Acq: 14 Dec 2021 18:23

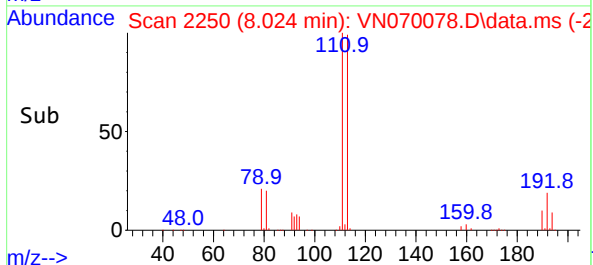
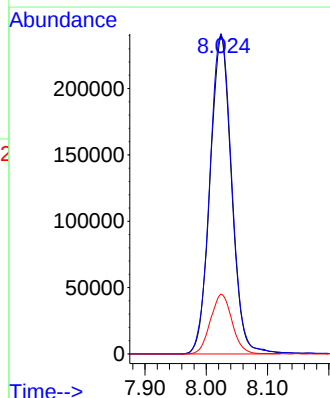
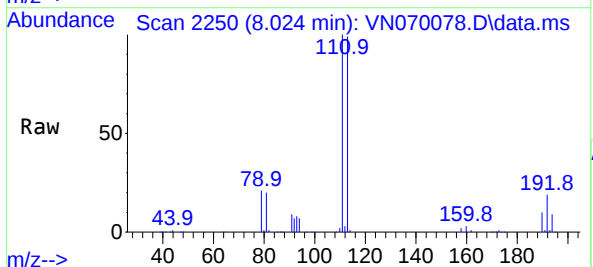
Tgt Ion:113 Resp: 583490

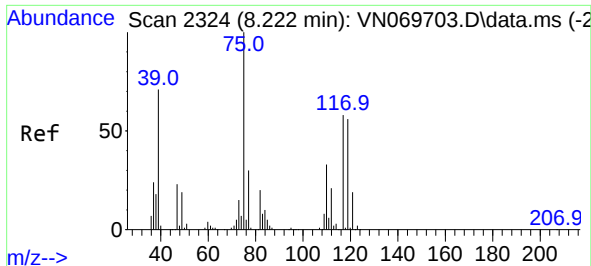
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

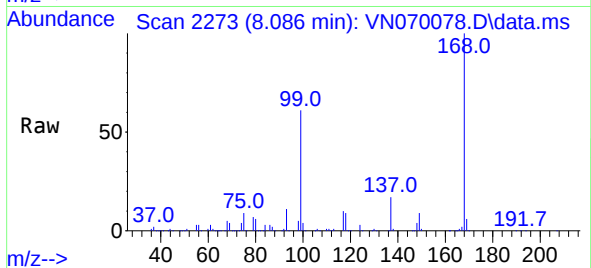
192 18.9 16.9 25.3



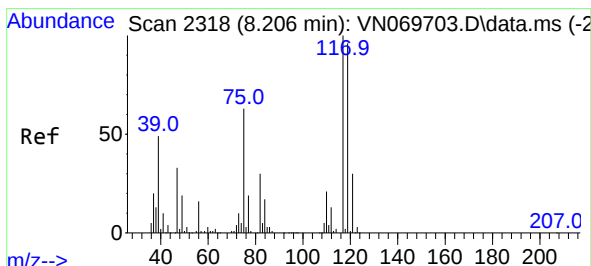
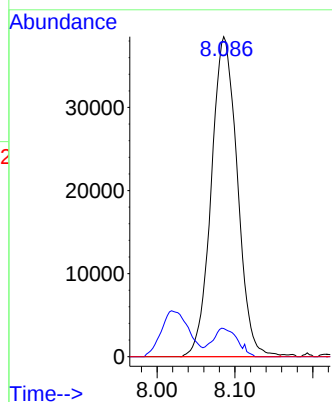
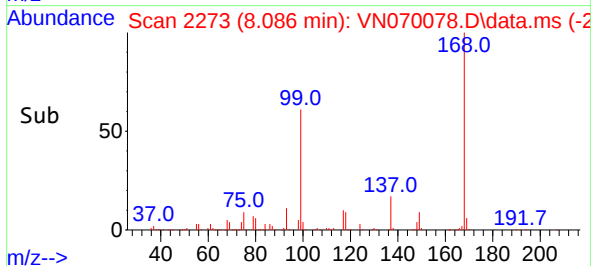


#36
1,1-Dichloropropene
Concen: 4.641 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

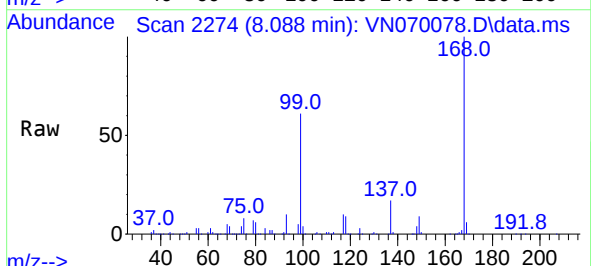
Instrument :
MSVOA_N
ClientSampleId :



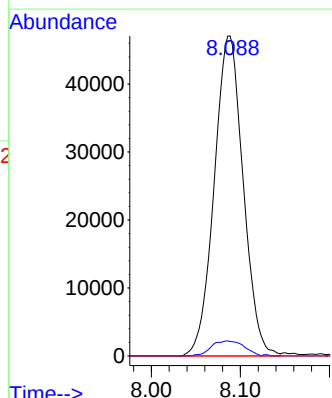
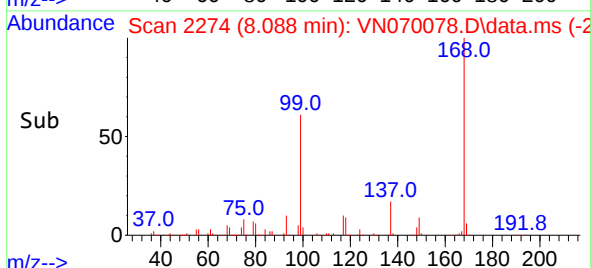
Tgt Ion: 75 Resp: 89312
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#

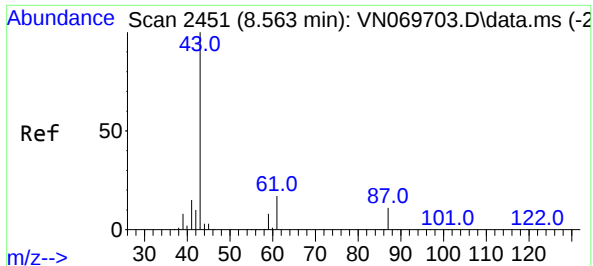


#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23



Tgt Ion: 117 Resp: 106435
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#

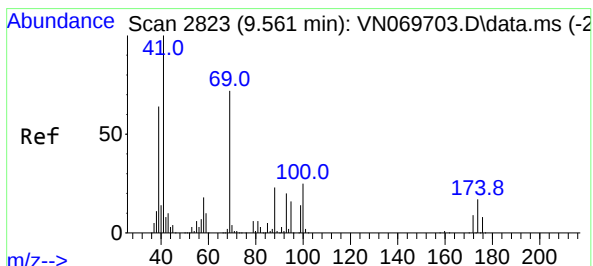
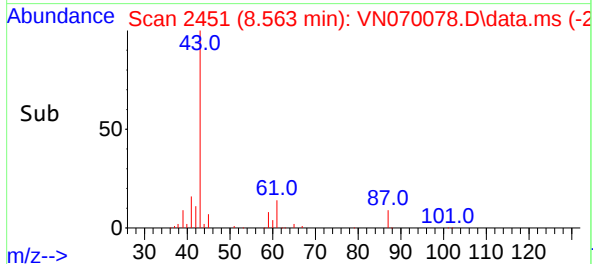
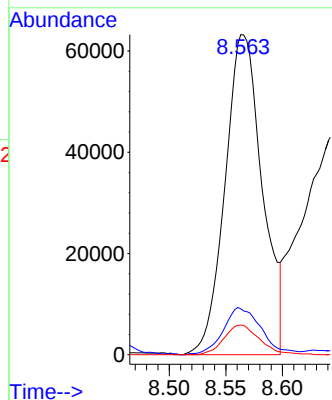
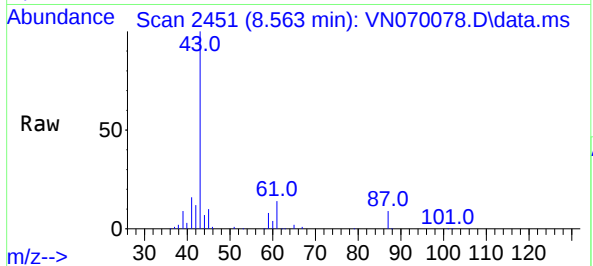




#43
Isopropyl Acetate
Concen: 3.419 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

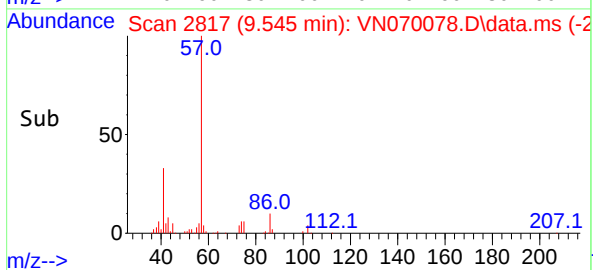
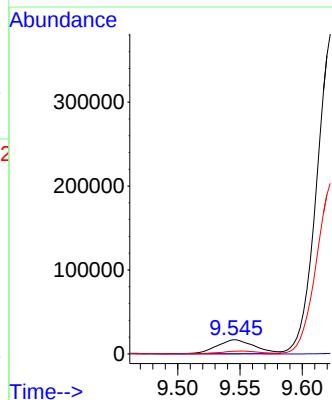
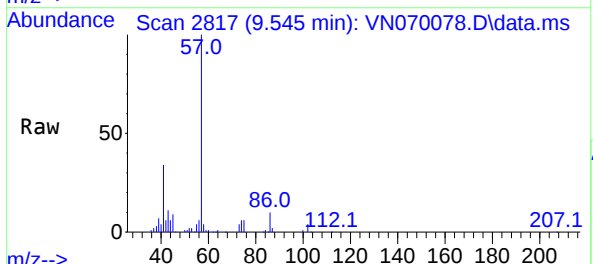
Instrument :
MSVOA_N
ClientSampleId :

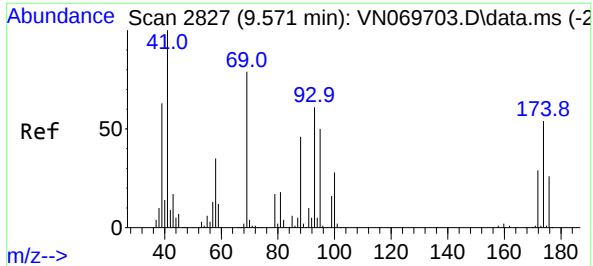
Tgt Ion: 43 Resp: 144908
Ion Ratio Lower Upper
43 100
61 14.9 20.4 30.6#
87 8.8 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.767 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 41 Resp: 34944
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#

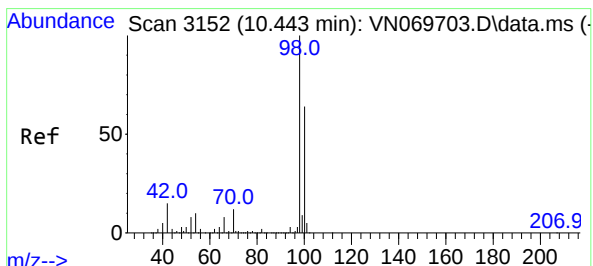
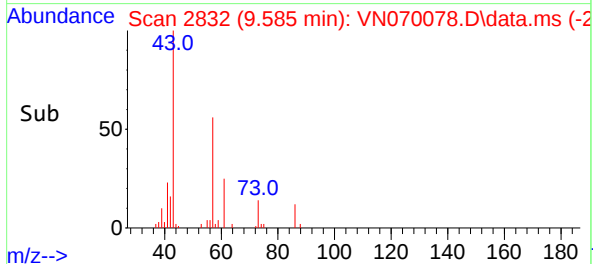
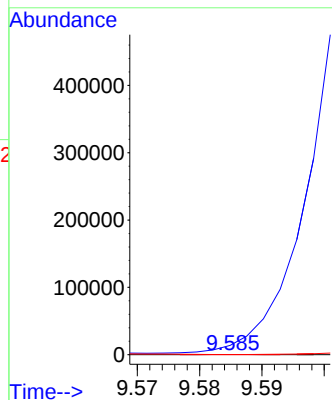
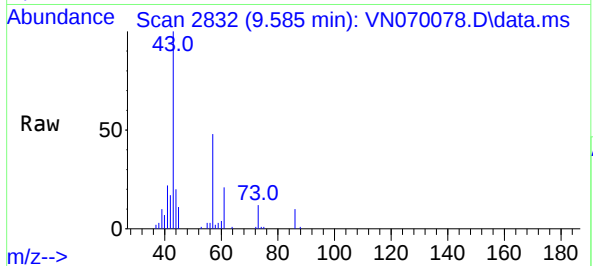




#49
1,4-Dioxane
Concen: 0.245 ug/l
RT: 9.585 min Scan# 2827
Delta R.T. 0.014 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

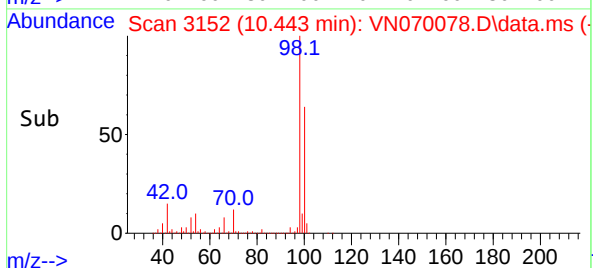
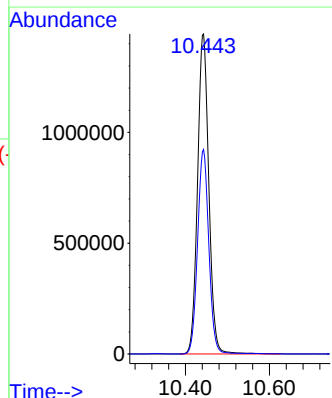
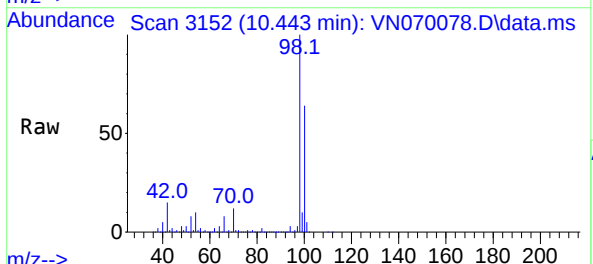
Instrument :
MSVOA_N
ClientSampleId :

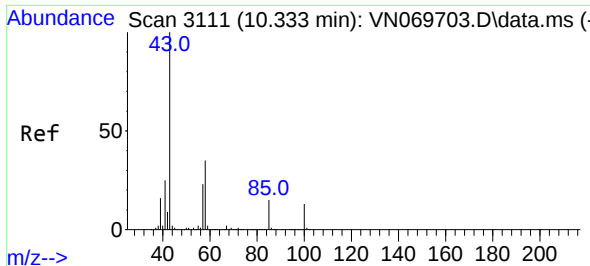
Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 53.035 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 98 Resp: 2696374
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.674 ug/l

RT: 10.330 min Scan# 3111

Delta R.T. -0.003 min

Lab File: VN070078.D

Acq: 14 Dec 2021 18:23

Instrument :

MSVOA_N

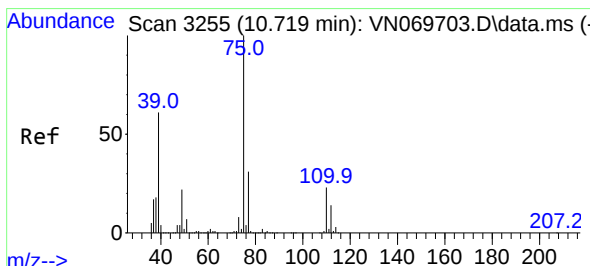
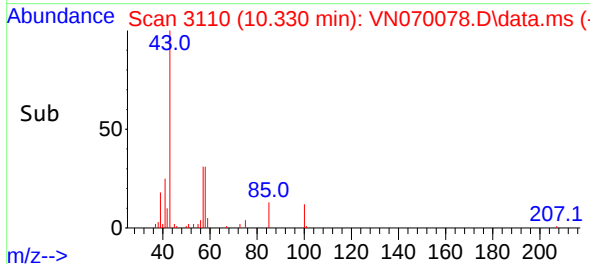
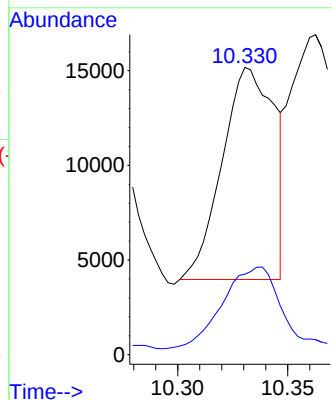
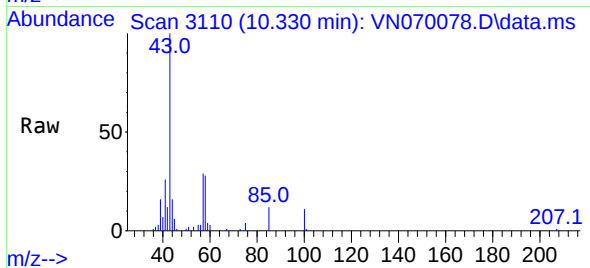
ClientSampleId :

Tgt Ion: 43 Resp: 18519

Ion Ratio Lower Upper

43 100

58 52.9 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 2.804 ug/l

RT: 10.719 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VN070078.D

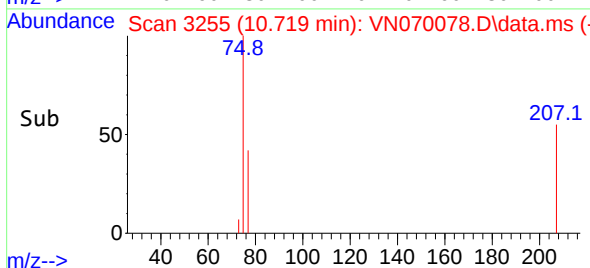
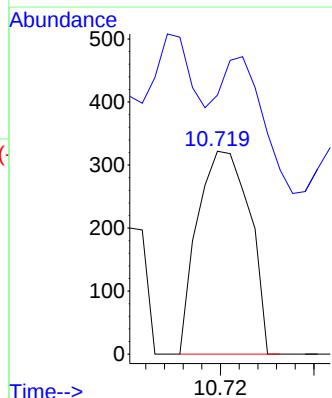
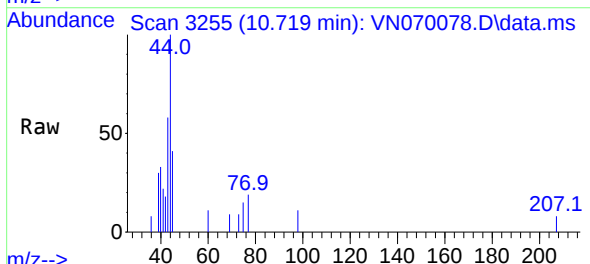
Acq: 14 Dec 2021 18:23

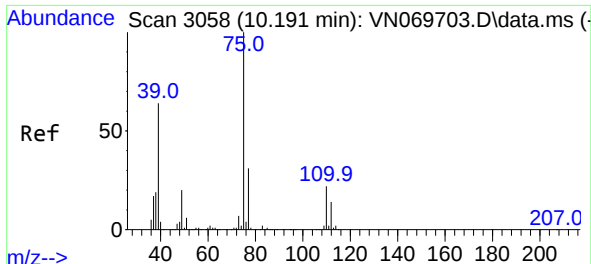
Tgt Ion: 75 Resp: 249

Ion Ratio Lower Upper

75 100

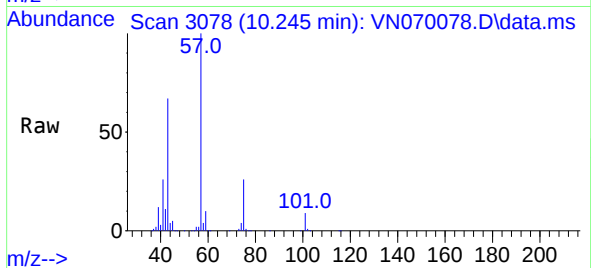
77 37.0 25.6 38.4



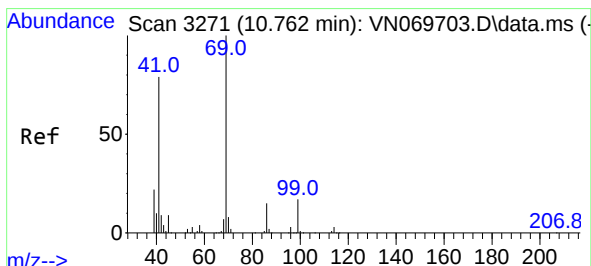
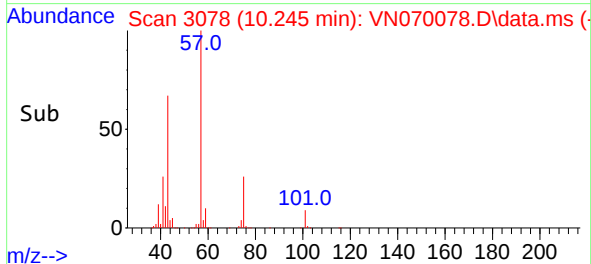
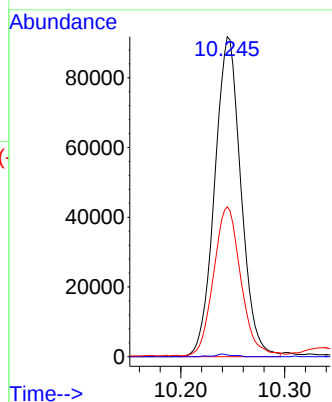


#54
 cis-1,3-Dichloropropene
 Concen: 8.259 ug/l
 RT: 10.245 min Scan# 3058
 Delta R.T. 0.054 min
 Lab File: VN070078.D
 Acq: 14 Dec 2021 18:23

Instrument :
 MSVOA_N
 ClientSampleId :

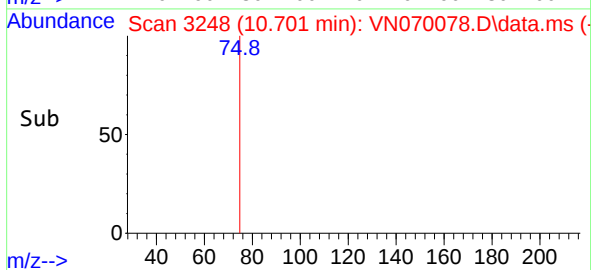
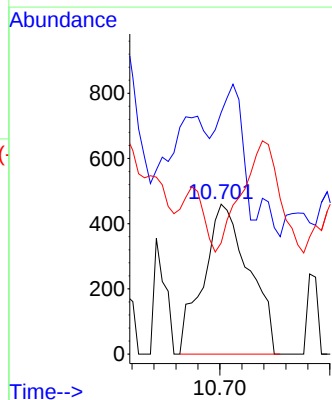
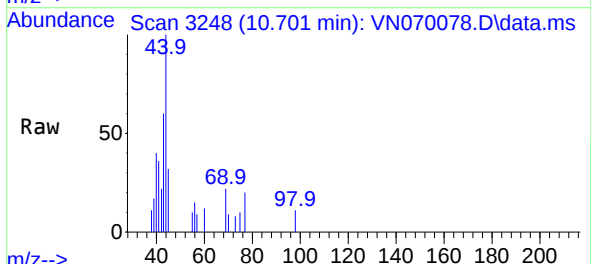


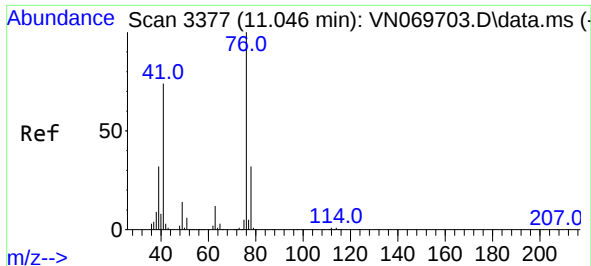
Tgt Ion: 75 Resp: 161478
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 46.5 42.5 63.7



#56
 Ethyl methacrylate
 Concen: 2.302 ug/l
 RT: 10.701 min Scan# 3248
 Delta R.T. -0.061 min
 Lab File: VN070078.D
 Acq: 14 Dec 2021 18:23

Tgt Ion: 69 Resp: 662
 Ion Ratio Lower Upper
 69 100
 41 0.0 51.4 77.0#
 39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.978 ug/l

RT: 11.092 min Scan# 31

Delta R.T. 0.046 min

Lab File: VN070078.D

Acq: 14 Dec 2021 18:23

Instrument :

MSVOA_N

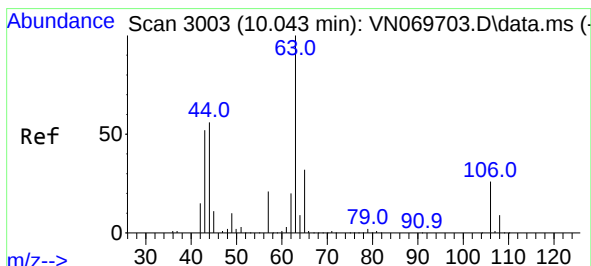
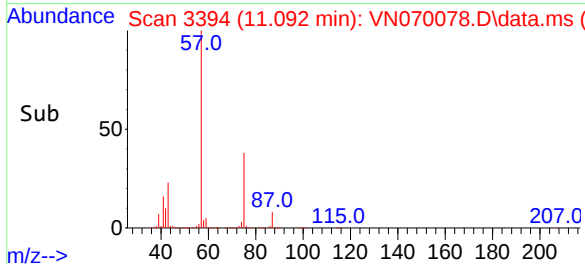
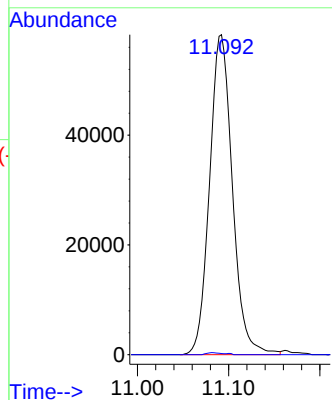
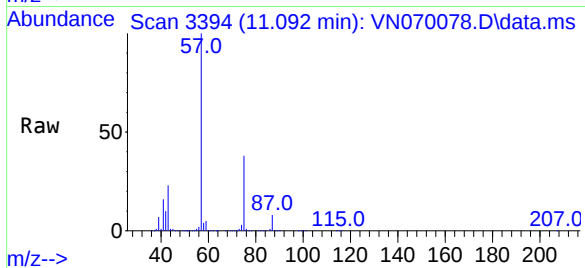
ClientSampleId :

Tgt Ion: 76 Resp: 101488

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.405 ug/l

RT: 10.237 min Scan# 3075

Delta R.T. 0.194 min

Lab File: VN070078.D

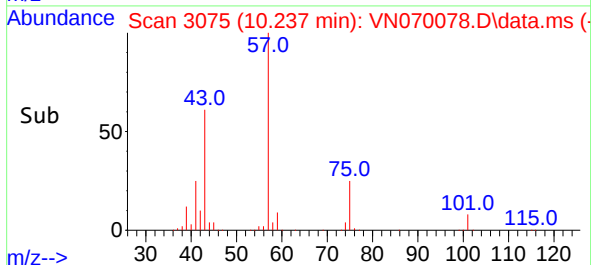
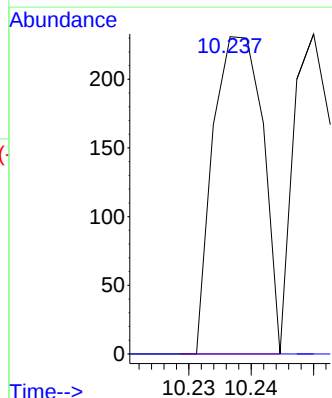
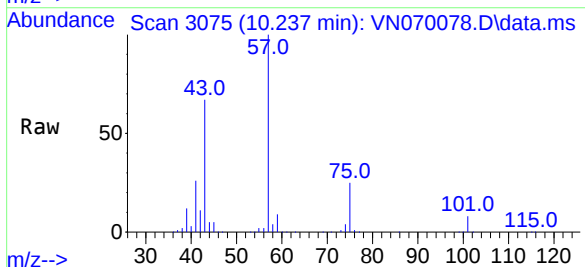
Acq: 14 Dec 2021 18:23

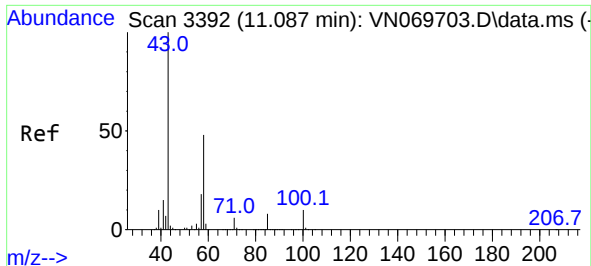
Tgt Ion: 63 Resp: 128

Ion Ratio Lower Upper

63 100

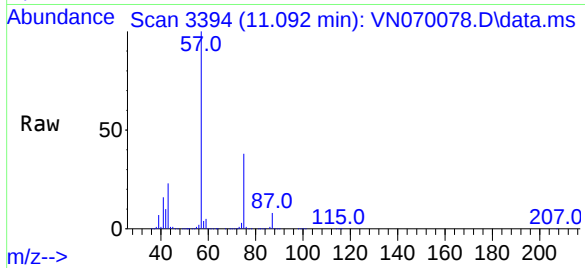
106 0.0 23.9 35.9#



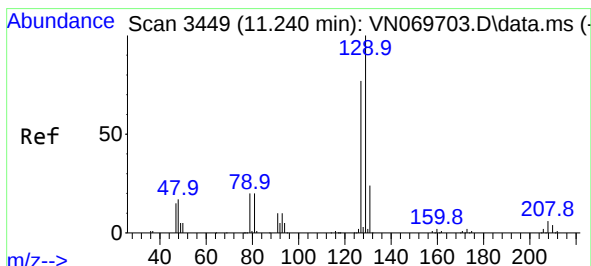
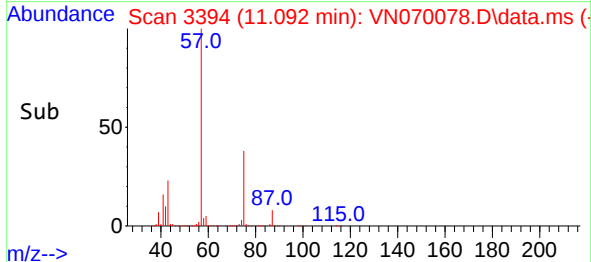
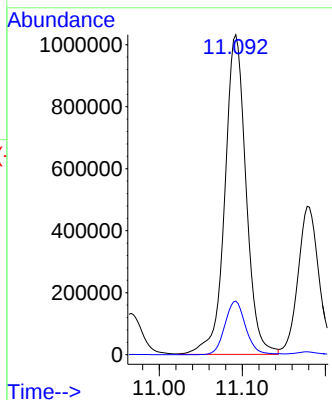


#59
2-Hexanone
Concen: 88.136 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

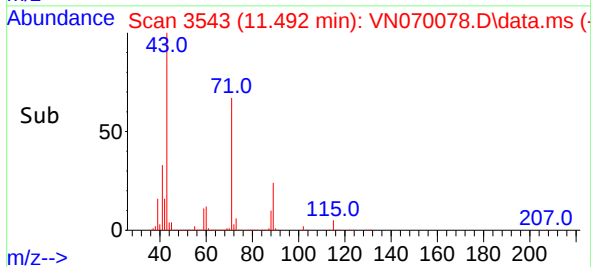
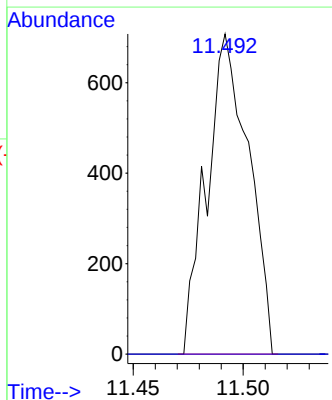
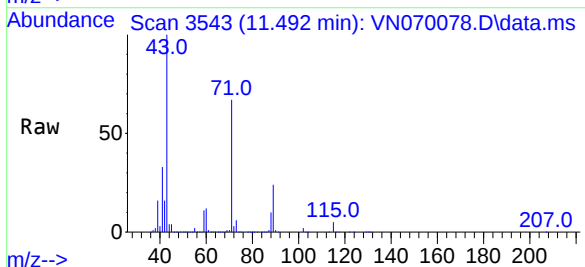


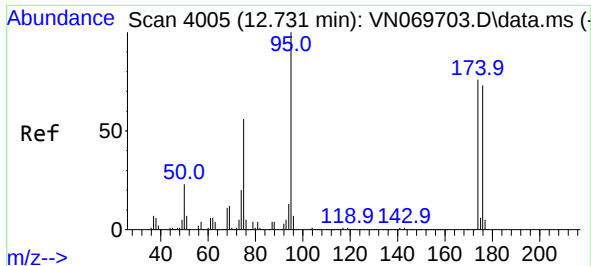
Tgt Ion: 43 Resp: 1833212
Ion Ratio Lower Upper
43 100
58 16.5 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.434 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion:129 Resp: 940
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

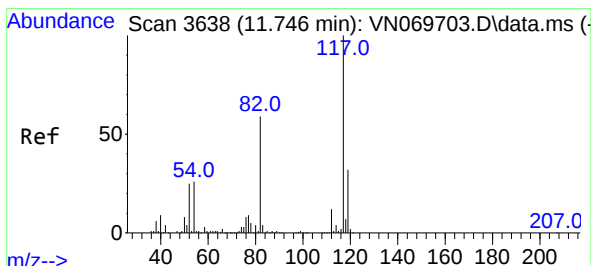
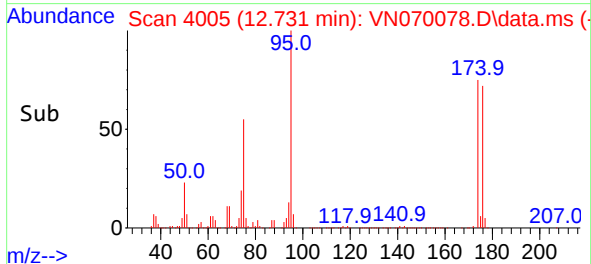
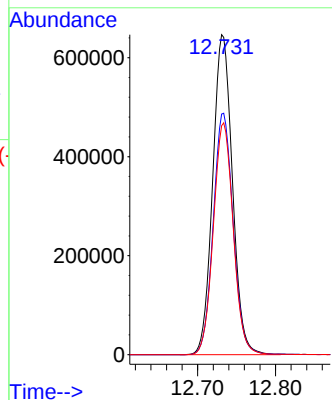
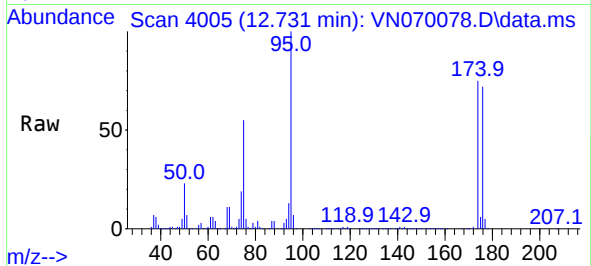




#62
4-Bromofluorobenzene
Concen: 61.689 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

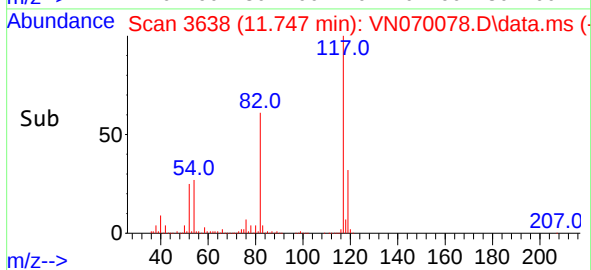
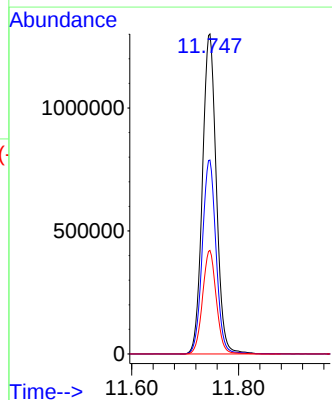
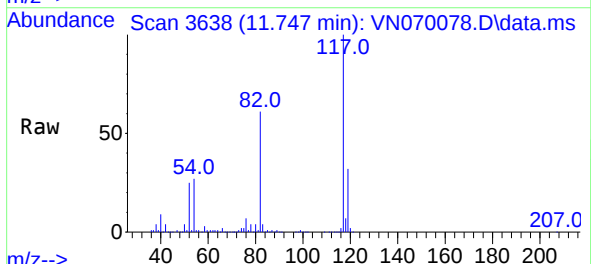
Instrument :
MSVOA_N
ClientSampleId :

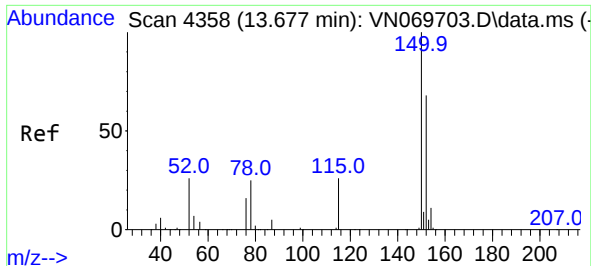
Tgt Ion: 95 Resp: 1136227
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

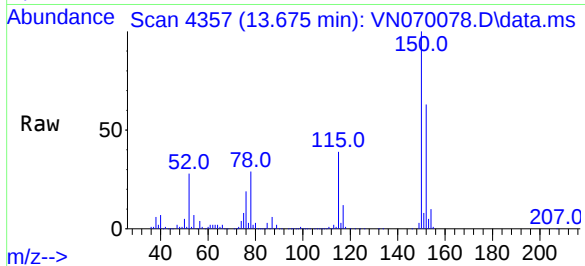
Tgt Ion: 117 Resp: 2349593
Ion Ratio Lower Upper
117 100
82 60.6 42.4 63.6
119 32.4 25.4 38.2



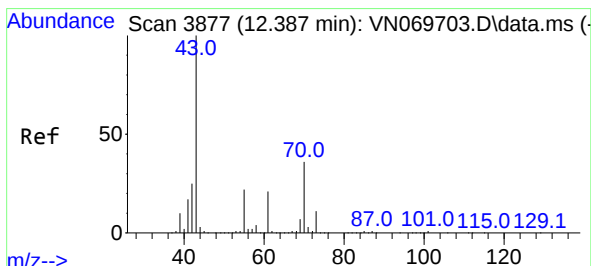
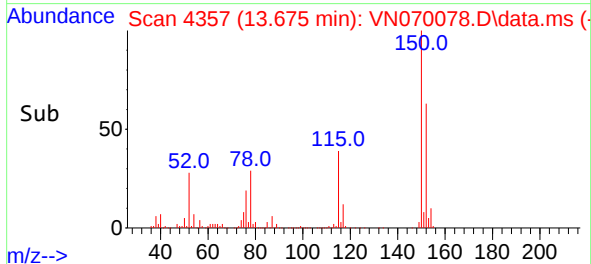
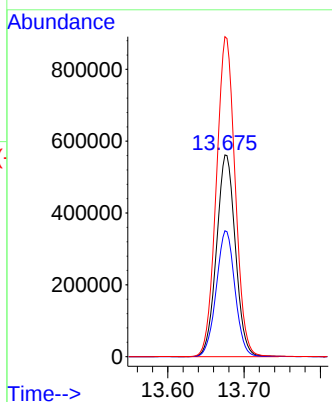


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

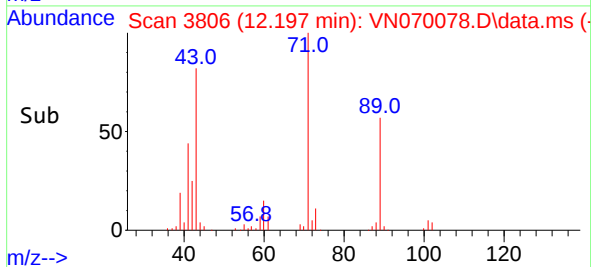
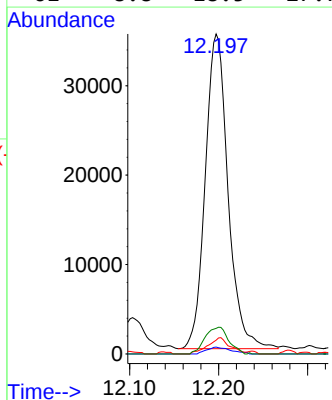
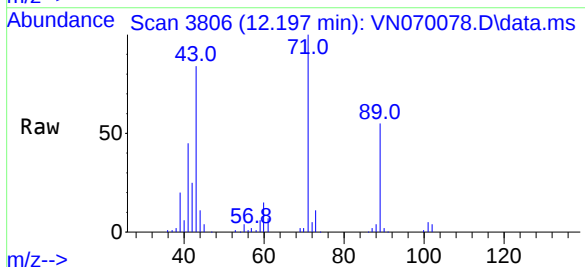


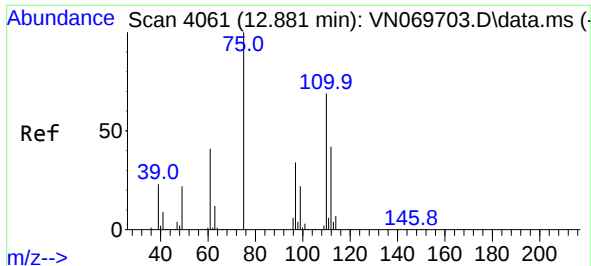
Tgt Ion:152 Resp: 966905
Ion Ratio Lower Upper
152 100
115 62.0 27.5 82.5
150 158.2 0.0 344.4



#74
N-ethyl acetate
Concen: 1.646 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion: 43 Resp: 62607
Ion Ratio Lower Upper
43 100
70 2.3 33.4 50.0#
55 5.0 19.3 28.9#
61 8.8 18.5 27.7#

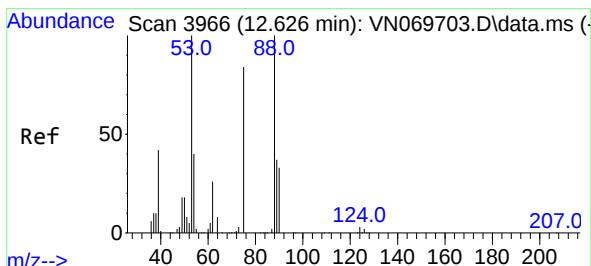
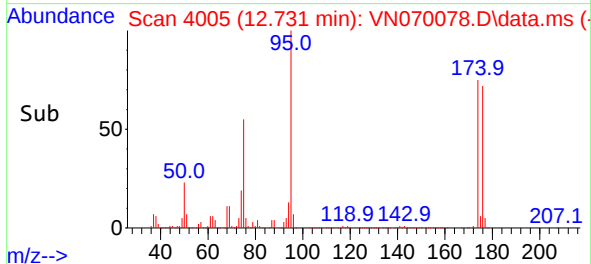
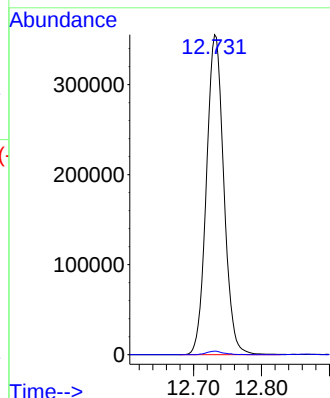
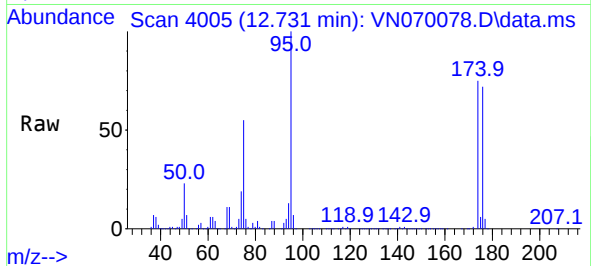




#76
1,2,3-Trichloropropane
Concen: 22.787 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

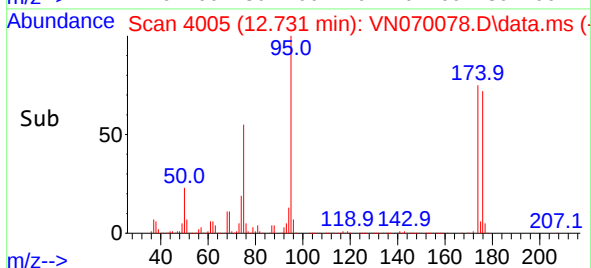
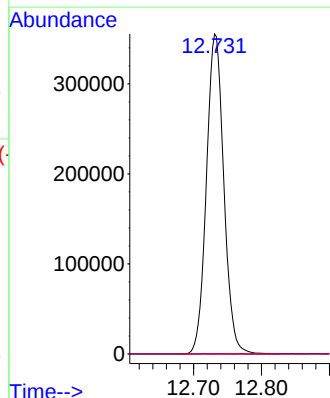
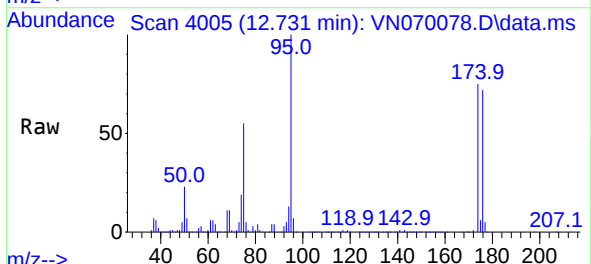
Instrument :
MSVOA_N
ClientSampleId :

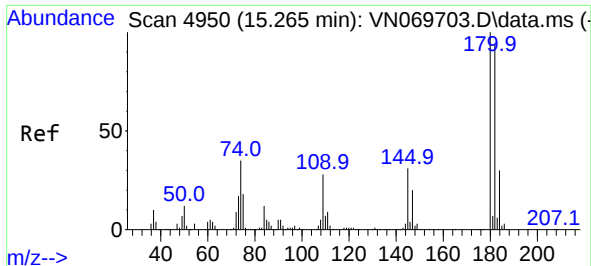
Tgt Ion: 75 Resp: 631850
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.582 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

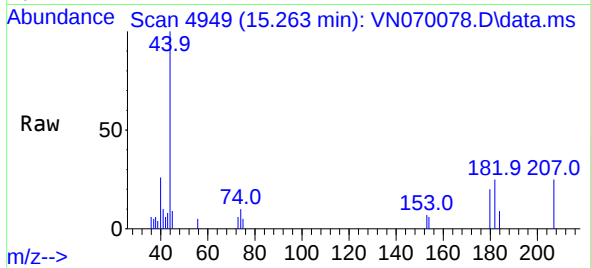
Tgt Ion: 75 Resp: 631850
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



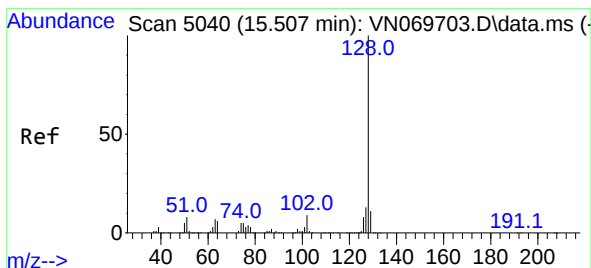
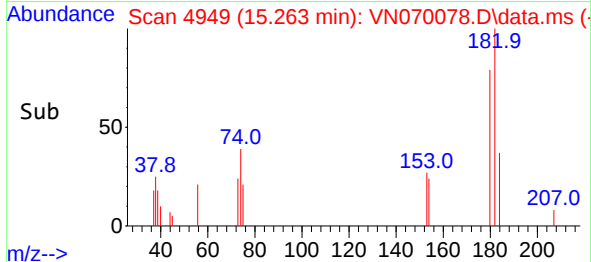
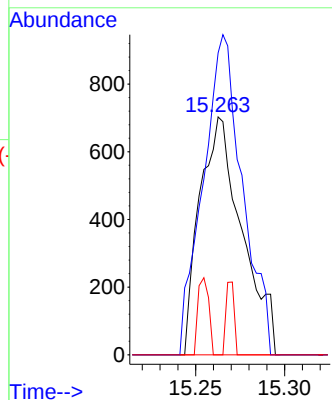


#93
1,2,4-Trichlorobenzene
Concen: 2.947 ug/l
RT: 15.263 min Scan# 4950
Delta R.T. -0.002 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

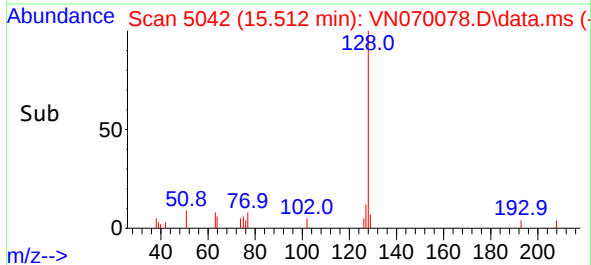
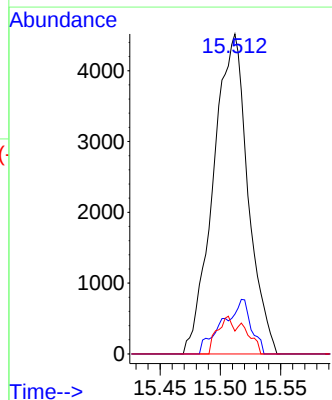
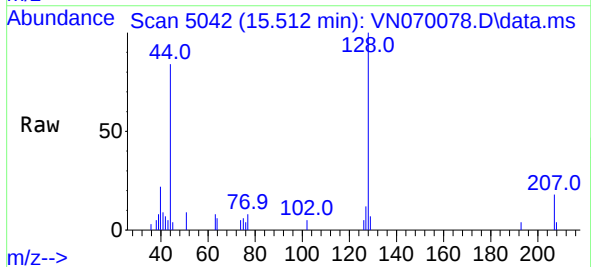


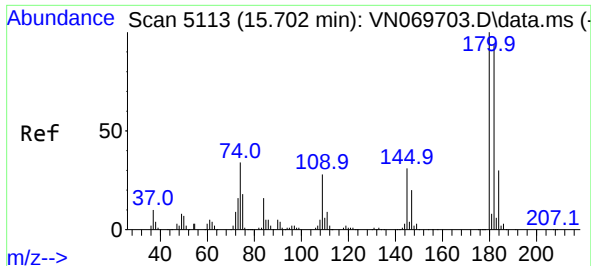
Tgt Ion:180 Resp: 1161
Ion Ratio Lower Upper
180 100
182 125.2 48.3 144.9
145 5.9 14.5 43.5#



#95
Naphthalene
Concen: 4.161 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN070078.D
Acq: 14 Dec 2021 18:23

Tgt Ion:128 Resp: 9030
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 5.5 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.517 ug/l

RT: 15.708 min Scan# 51

Delta R.T. 0.006 min

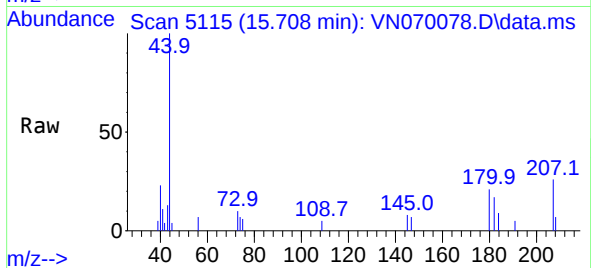
Lab File: VN070078.D

Acq: 14 Dec 2021 18:23

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1327

Ion Ratio Lower Upper

180 100

182 102.8 47.4 142.2

145 20.5 15.0 45.1

