

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121421\
 Data File : VN070077.D
 Acq On : 14 Dec 2021 17:58
 Operator : JC/MD
 Sample : M4990-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 05:20:16 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)

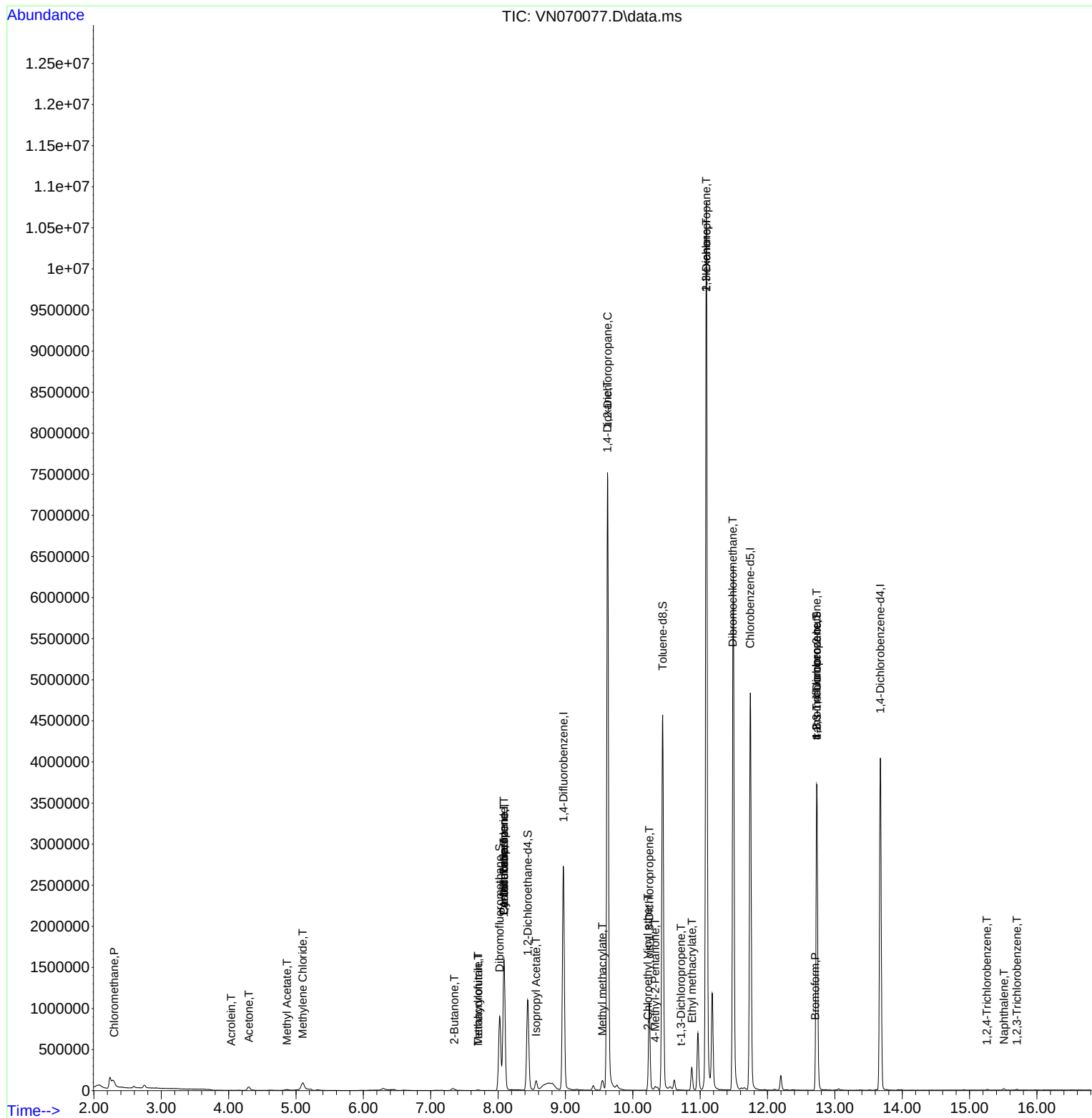
Internal Standards						
1) Pentafluorobenzene	8.088	168	1186346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2270222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2677575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1079843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	949384	51.830	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.660%			
35) Dibromofluoromethane	8.024	113	654267	46.010	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.020%			
50) Toluene-d8	10.443	98	3059603	53.584	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.731	95	1295157	62.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 125.220%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	4282	0.247	ug/l #	85
13) Acrolein	4.038	56	611	0.207	ug/l #	39
16) Acetone	4.299	43	81610	7.407	ug/l	98
18) Methyl Acetate	4.867	43	19540	0.588	ug/l #	72
20) Methylene Chloride	5.100	84	59644	4.072	ug/l	88
25) 2-Butanone	7.351	43	17600	1.176	ug/l	92
29) Tetrahydrofuran	7.705	42	5408	0.595	ug/l #	55
31) Cyclohexane	8.088	56	31521	1.237	ug/l #	19
36) 1,1-Dichloropropene	8.086	75	102782	4.756	ug/l #	49
38) Carbon Tetrachloride	8.088	117	120228	5.673	ug/l #	17
41) Methacrylonitrile	7.702	41	4075	0.270	ug/l #	33
43) Isopropyl Acetate	8.566	43	137829	2.896	ug/l #	84
45) 1,2-Dichloropropane	9.625	63	8783	0.495	ug/l #	44
48) Methyl methacrylate	9.547	41	36514	1.644	ug/l #	8
49) 1,4-Dioxane	9.622	88	860	2.158	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	21816	0.706	ug/l #	83
53) t-1,3-Dichloropropene	10.717	75	373	2.807	ug/l #	43
54) cis-1,3-Dichloropropene	10.245	75	166638	7.751	ug/l #	74
56) Ethyl methacrylate	10.877	69	1520	2.326	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	102945	3.593	ug/l #	44
58) 2-Chloroethyl Vinyl ether	10.223	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.092	43	1923338	82.335	ug/l #	47
60) Dibromochloromethane	11.484	129	353	2.395	ug/l #	11
71) Bromoform	12.707	173	128	2.738	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	712391	23.005	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	712391	73.237	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	2538	3.013	ug/l #	18
95) Naphthalene	15.509	128	15764	4.260	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	3037	2.603	ug/l	90

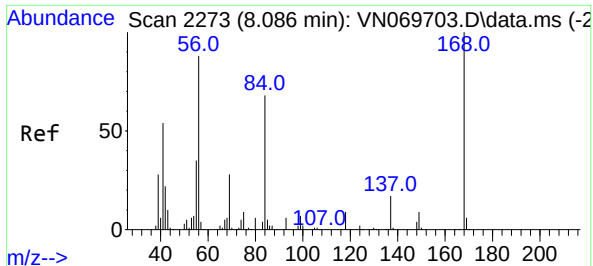
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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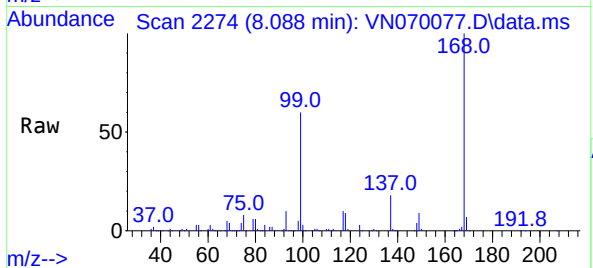
Quant Time: Dec 15 05:20:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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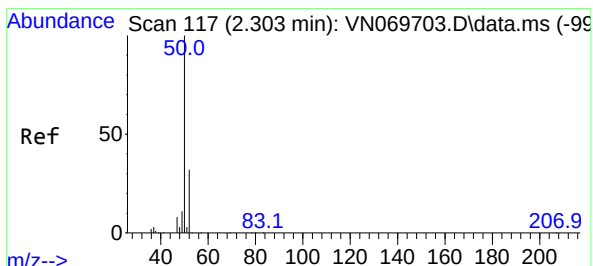
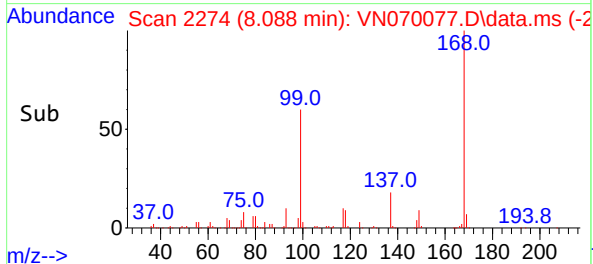
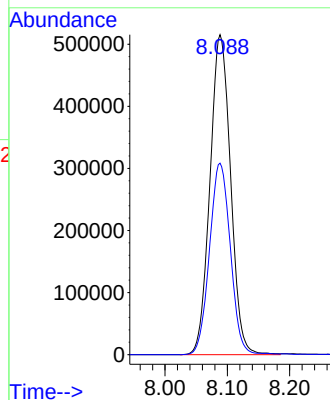


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

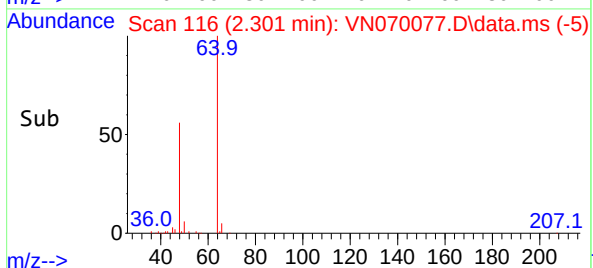
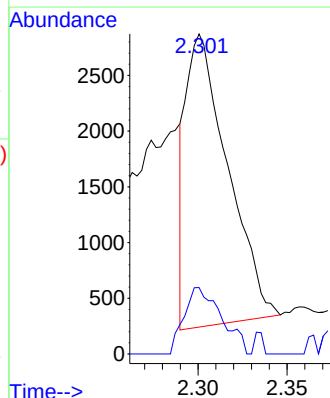
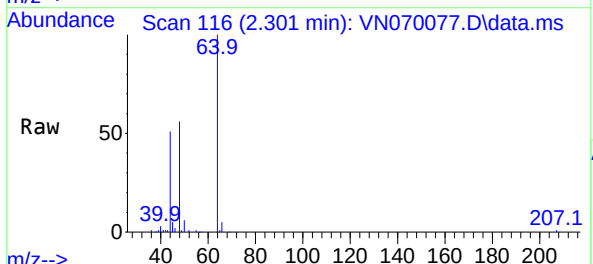


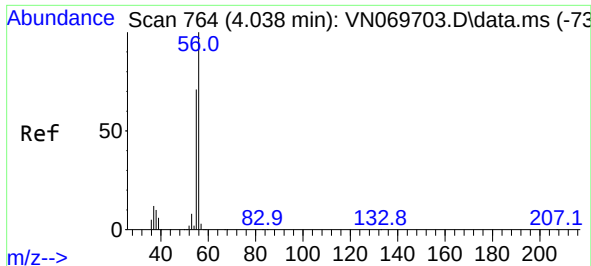
Tgt Ion:168 Resp: 1186346
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

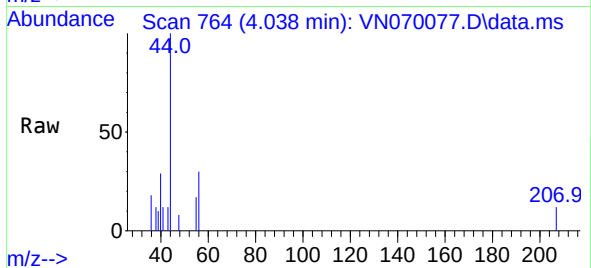
Tgt Ion: 50 Resp: 4282
Ion Ratio Lower Upper
50 100
52 23.6 25.4 38.0#



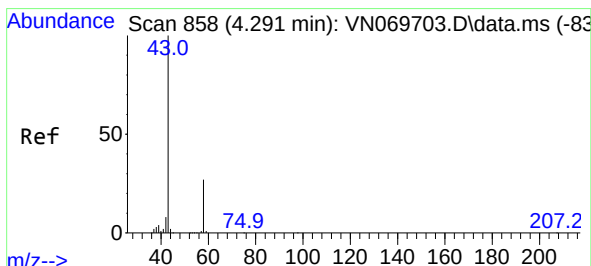
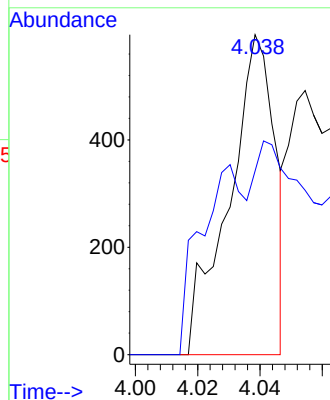
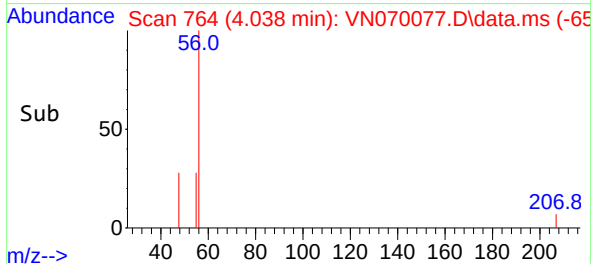


#13
Acrolein
Concen: 0.207 ug/l
RT: 4.038 min Scan# 701
Delta R.T. 0.000 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

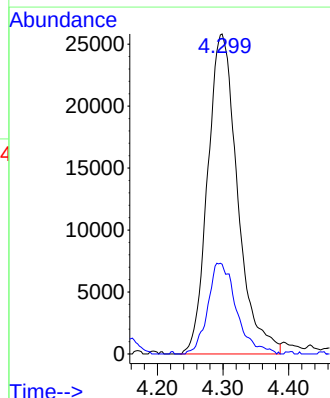
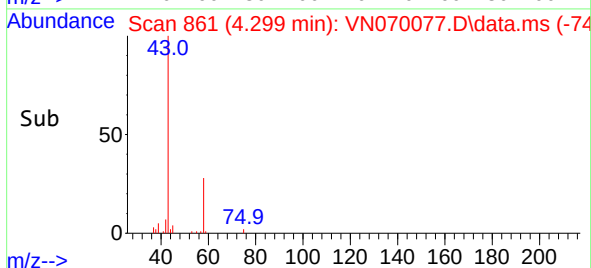
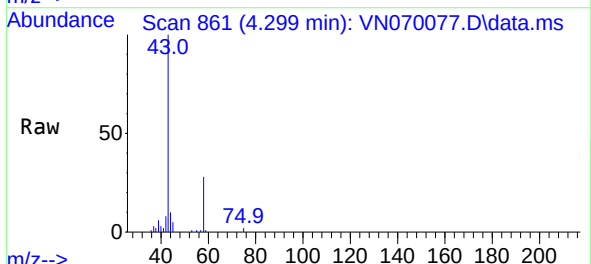


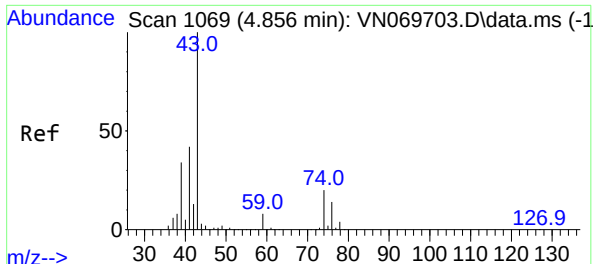
Tgt Ion: 56 Resp: 611
Ion Ratio Lower Upper
56 100
55 121.3 56.6 85.0#



#16
Acetone
Concen: 7.407 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion: 43 Resp: 81610
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7





#18

Methyl Acetate

Concen: 0.588 ug/l

RT: 4.867 min Scan# 1

Delta R.T. 0.011 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Instrument :

MSVOA_N

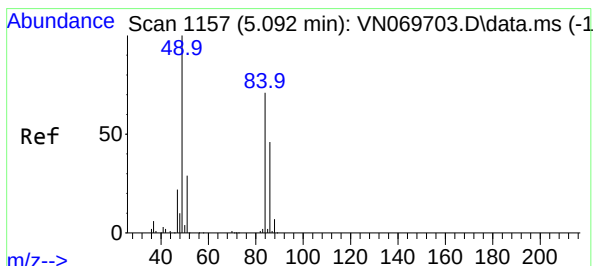
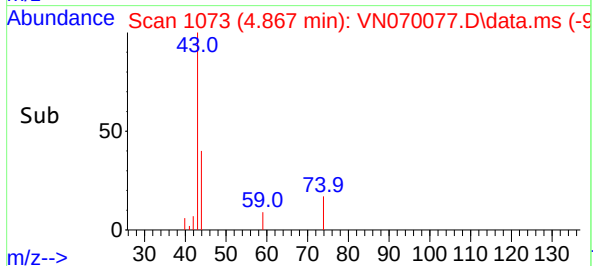
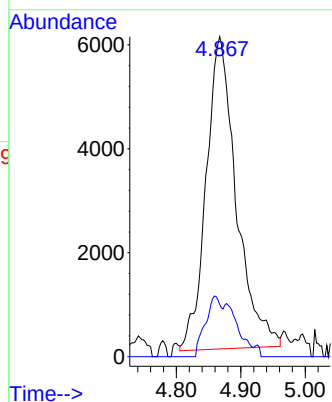
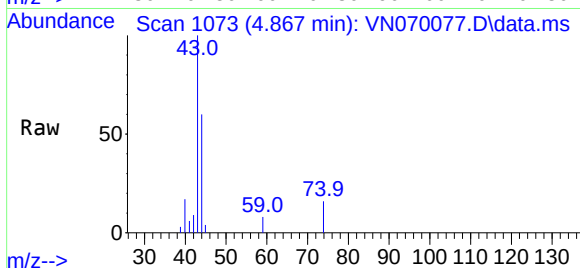
ClientSampleId :

Tgt Ion: 43 Resp: 19540

Ion Ratio Lower Upper

43 100

74 10.5 19.4 29.2#



#20

Methylene Chloride

Concen: 4.072 ug/l

RT: 5.100 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Tgt Ion: 84 Resp: 59644

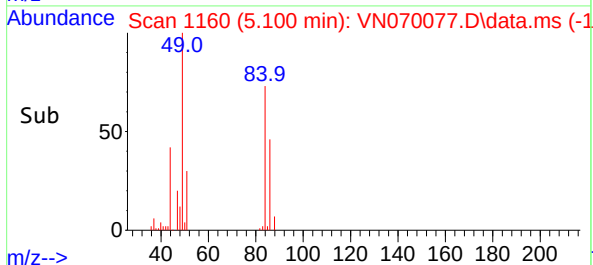
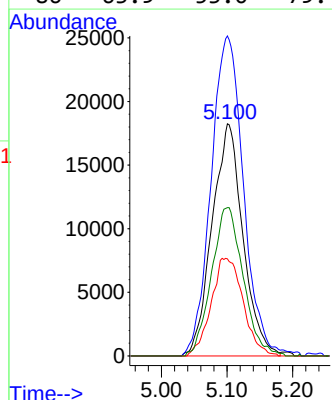
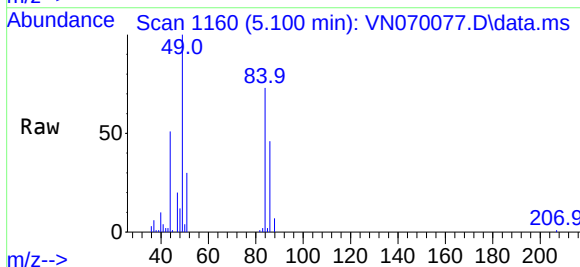
Ion Ratio Lower Upper

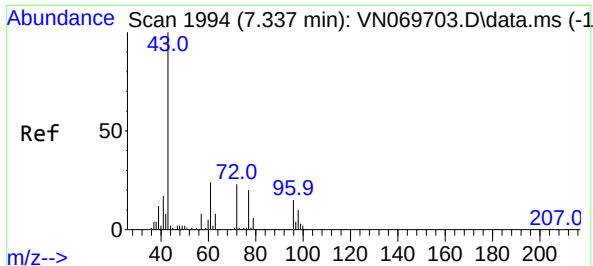
84 100

49 137.8 93.5 140.3

51 41.8 29.4 44.2

86 63.9 53.0 79.4





#25

2-Butanone

Concen: 1.176 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.013 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Instrument :

MSVOA_N

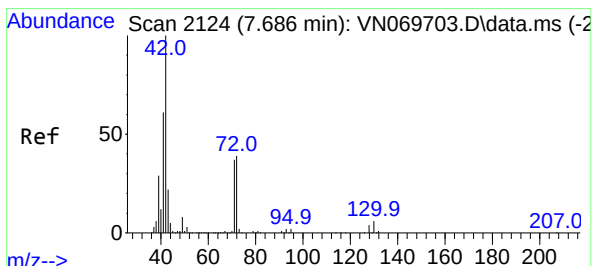
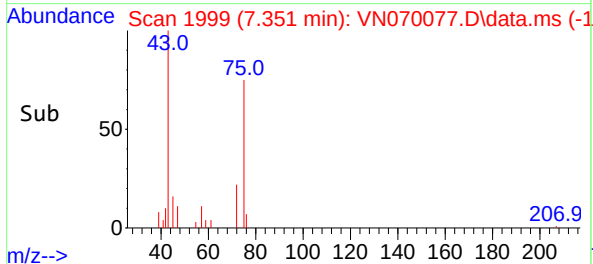
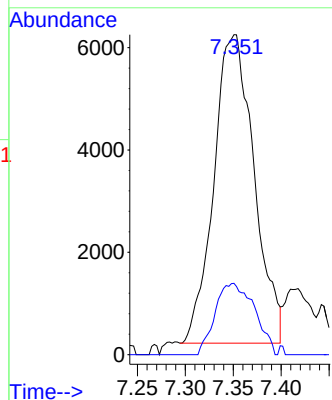
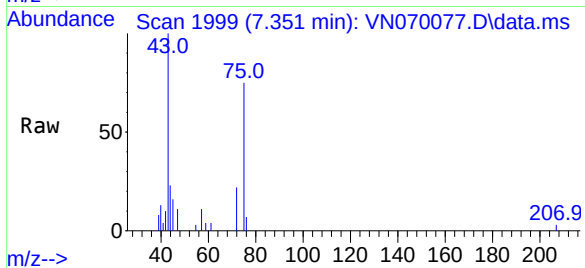
ClientSampleId :

Tgt Ion: 43 Resp: 17600

Ion Ratio Lower Upper

43 100

72 23.1 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.595 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.019 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

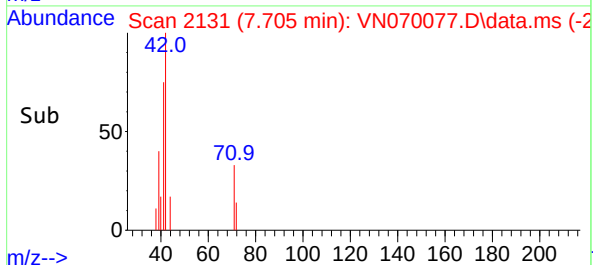
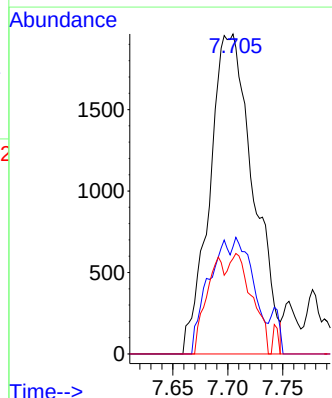
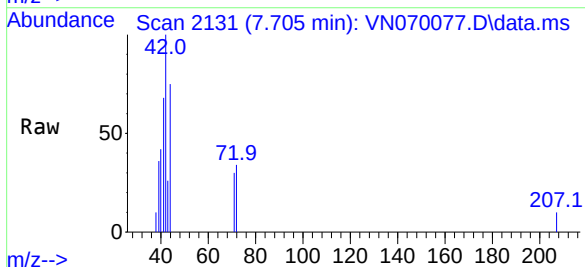
Tgt Ion: 42 Resp: 5408

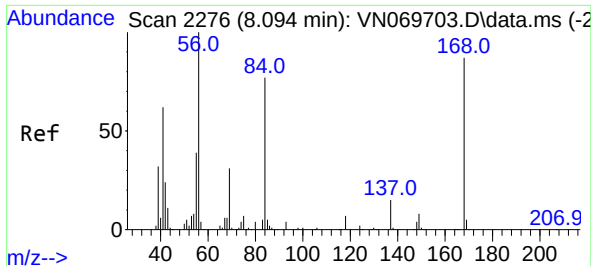
Ion Ratio Lower Upper

42 100

72 18.4 36.3 54.5#

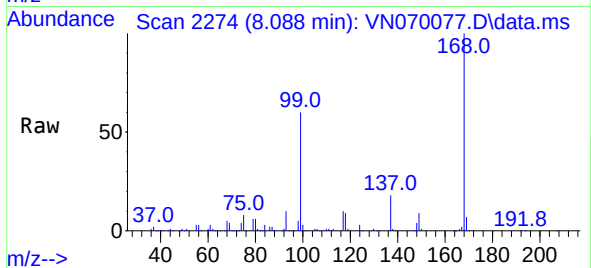
71 12.4 34.7 52.1#



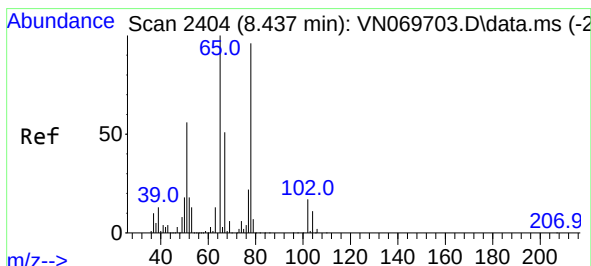
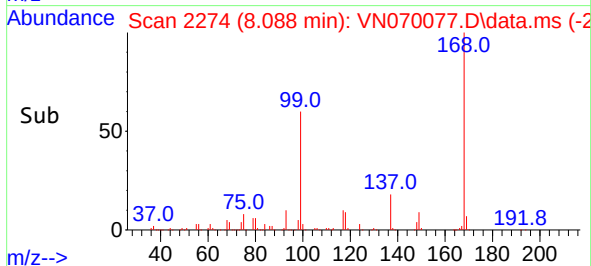
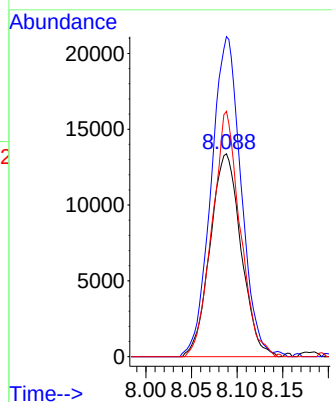


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

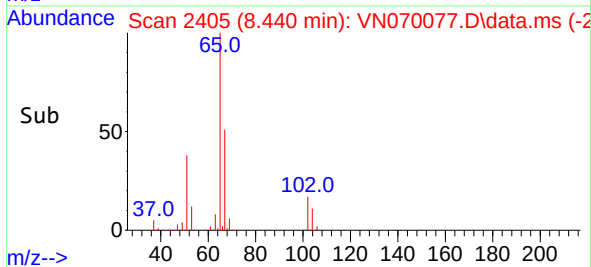
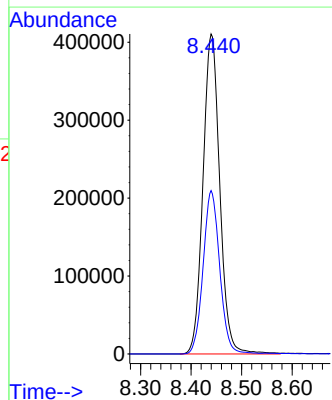
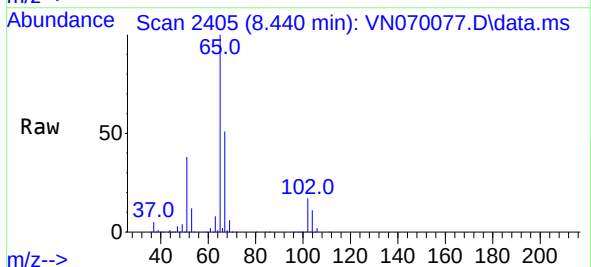


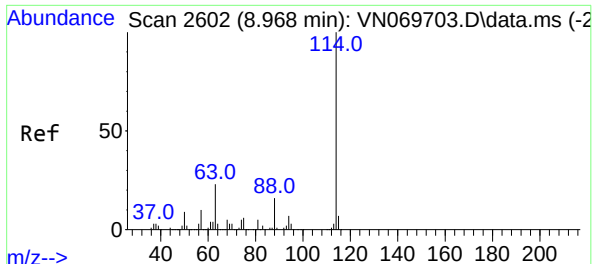
Tgt Ion: 56 Resp: 31521
Ion Ratio Lower Upper
56 100
69 157.7 27.1 40.7#
84 121.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.830 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

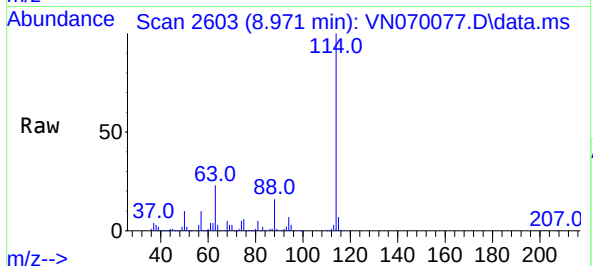
Tgt Ion: 65 Resp: 949384
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





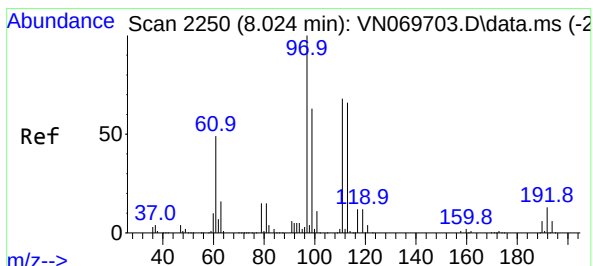
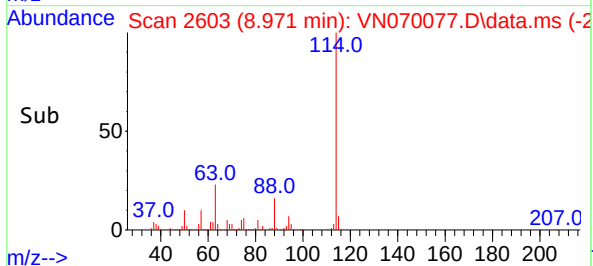
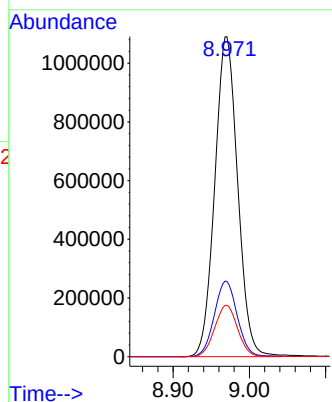
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
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Tgt Ion:114 Resp: 2270222

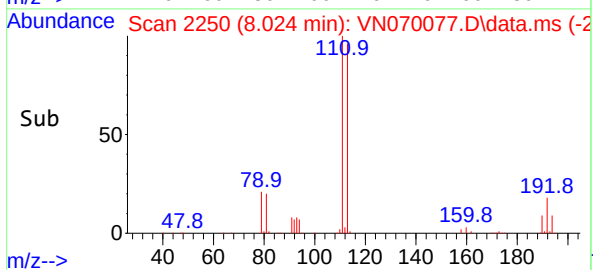
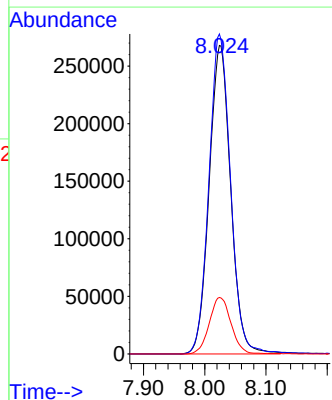
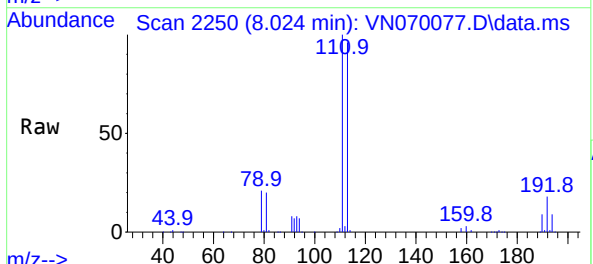
Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	37.8
88	16.1	0.0	27.4

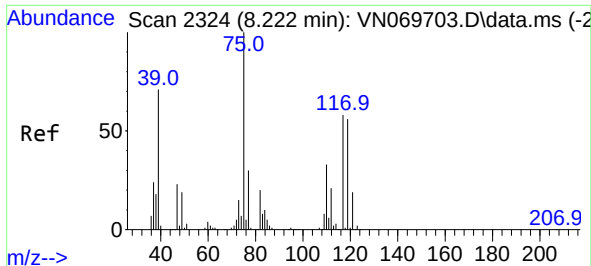


#35
Dibromofluoromethane
Concen: 46.010 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion:113 Resp: 654267

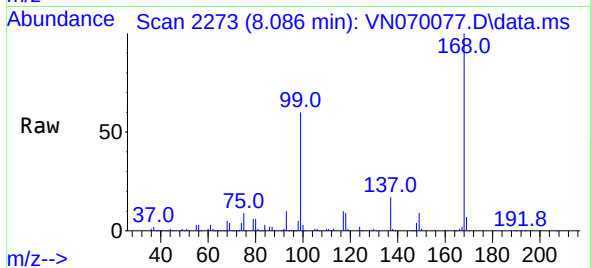
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.2	123.2
192	18.5	16.9	25.3



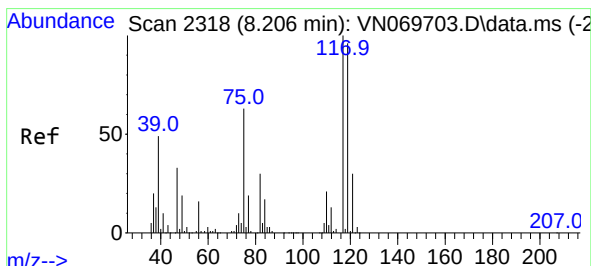
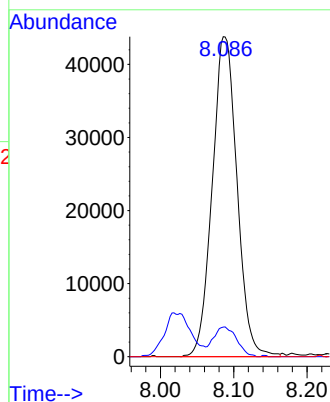
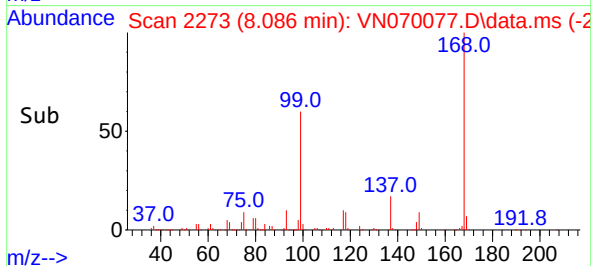


#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

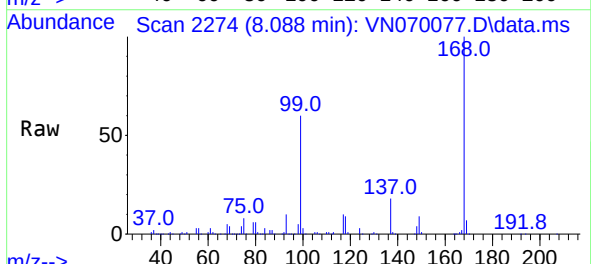
Instrument :
MSVOA_N
ClientSampleId :



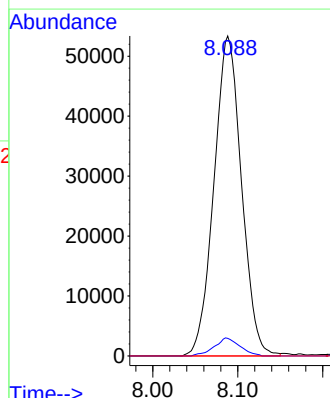
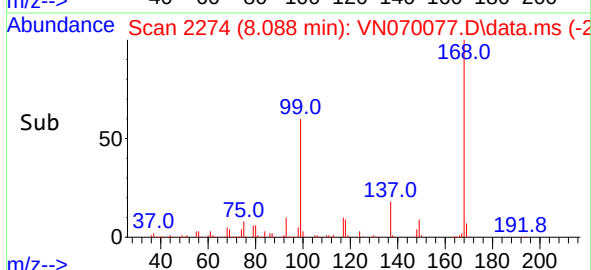
Tgt Ion: 75 Resp: 102782
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

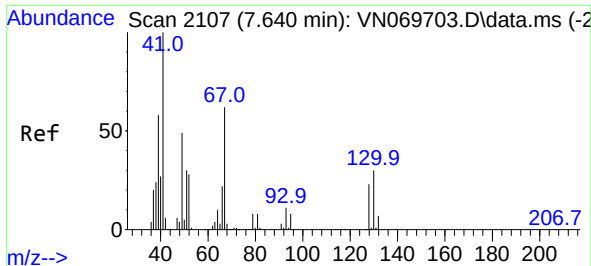


#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58



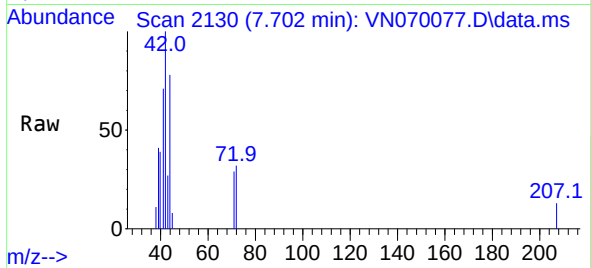
Tgt Ion: 117 Resp: 120228
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



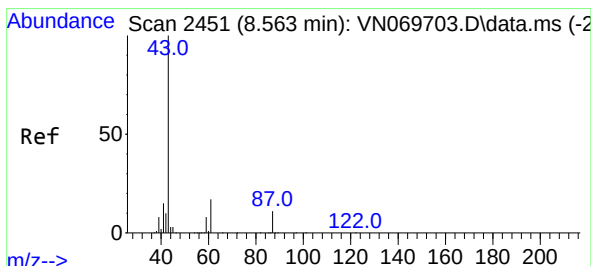
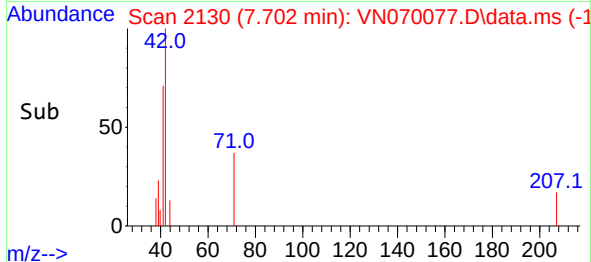
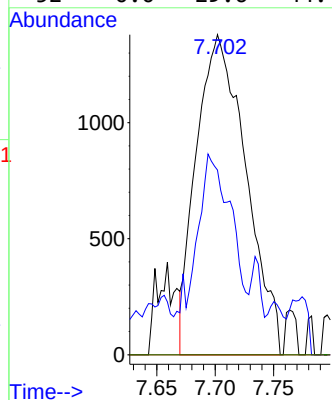


#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 7.702 min Scan# 2107
Delta R.T. 0.062 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

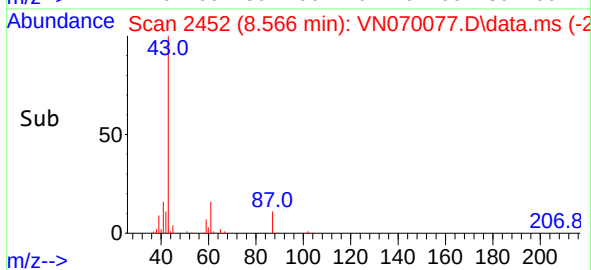
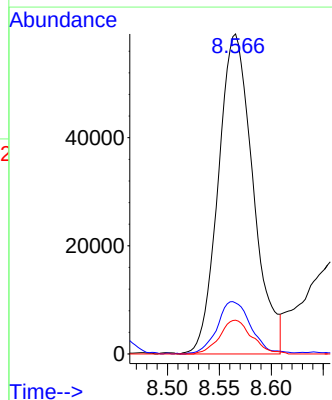
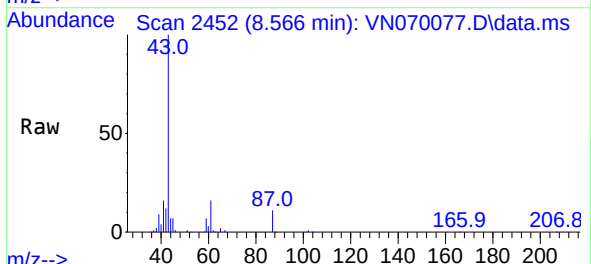


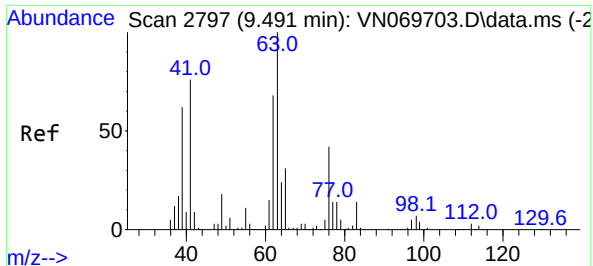
Tgt Ion: 41 Resp: 4075
Ion Ratio Lower Upper
41 100
39 34.4 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#43
Isopropyl Acetate
Concen: 2.896 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion: 43 Resp: 137829
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 9.8 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.495 ug/l

RT: 9.625 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Instrument :

MSVOA_N

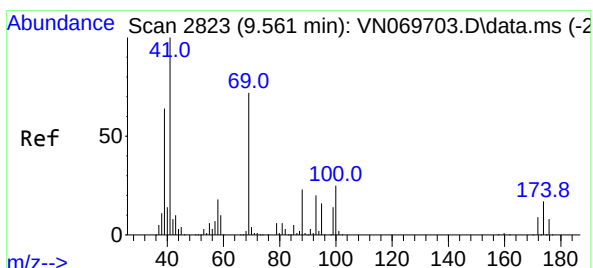
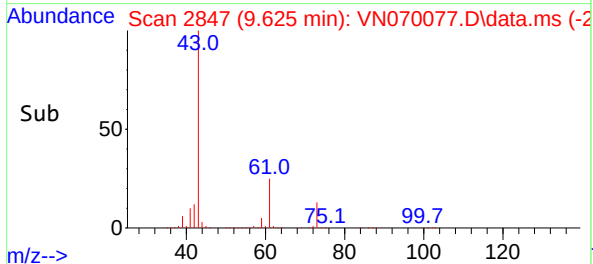
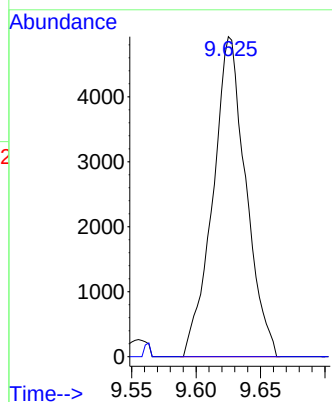
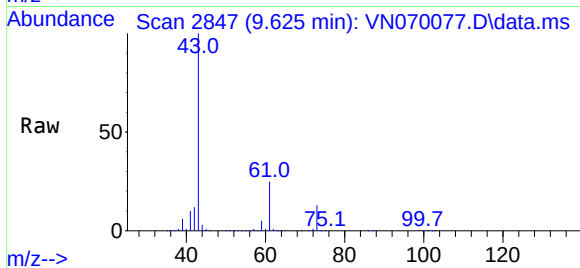
ClientSampleId :

Tgt Ion: 63 Resp: 8783

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.644 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.014 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

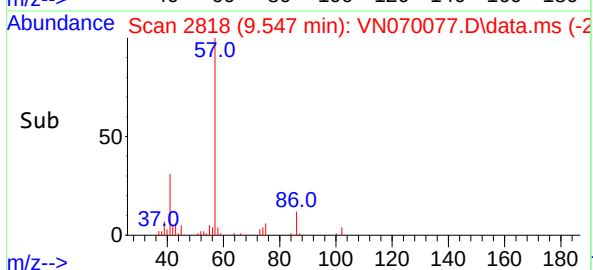
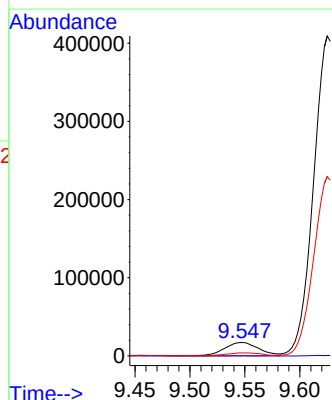
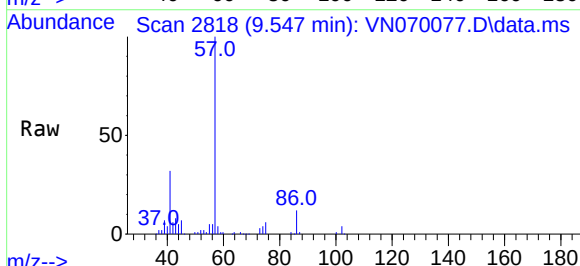
Tgt Ion: 41 Resp: 36514

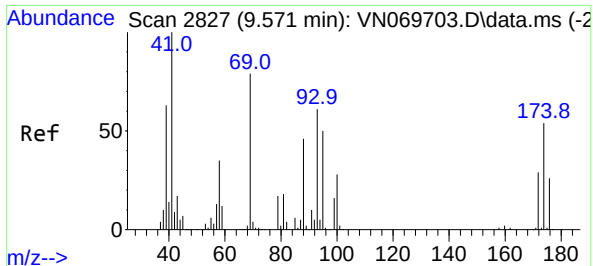
Ion Ratio Lower Upper

41 100

69 0.2 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.158 ug/l

RT: 9.622 min Scan# 21

Delta R.T. 0.051 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Instrument :

MSVOA_N

ClientSampleId :

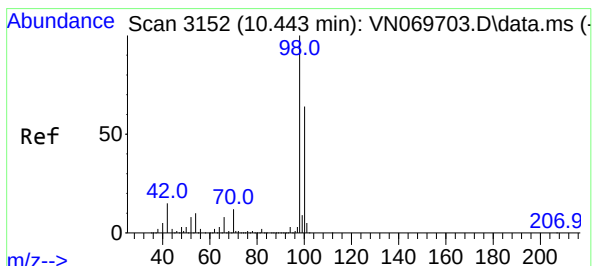
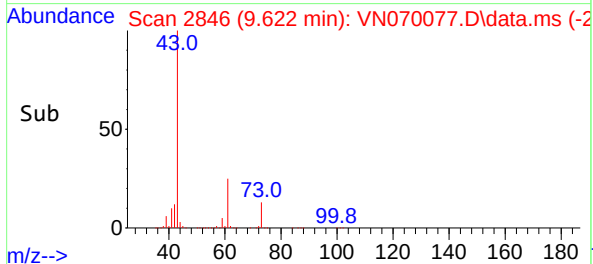
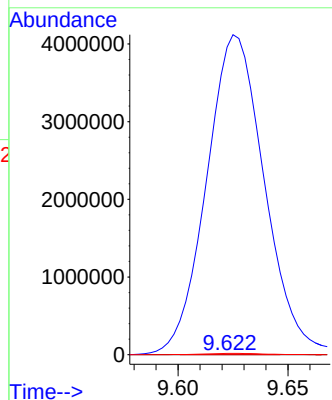
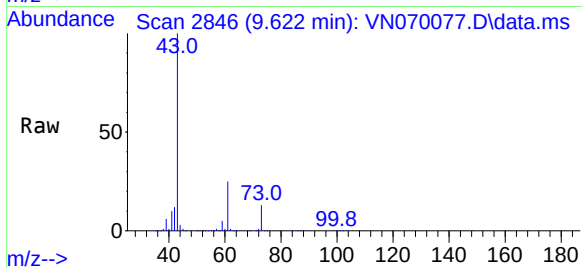
Tgt Ion: 88 Resp: 860

Ion Ratio Lower Upper

88 100

43 896379.8 23.4 35.2#

58 3555.2 50.6 75.8#



#50

Toluene-d8

Concen: 53.584 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN070077.D

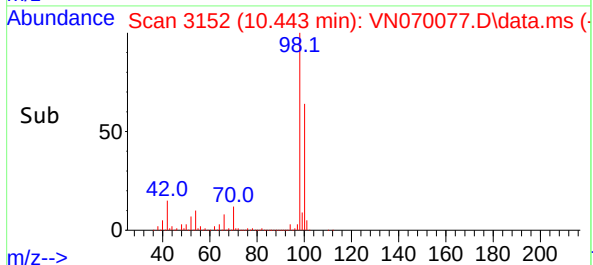
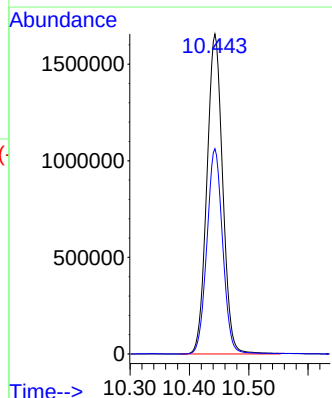
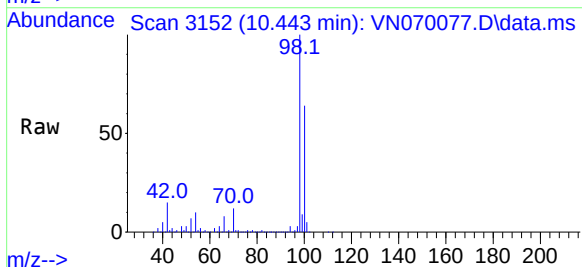
Acq: 14 Dec 2021 17:58

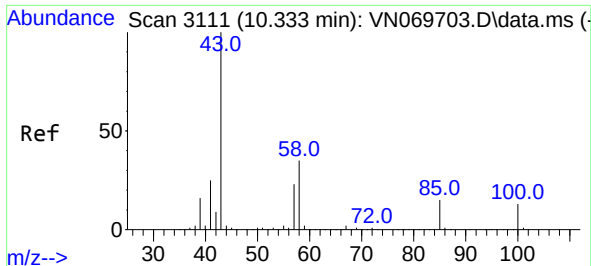
Tgt Ion: 98 Resp: 3059603

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

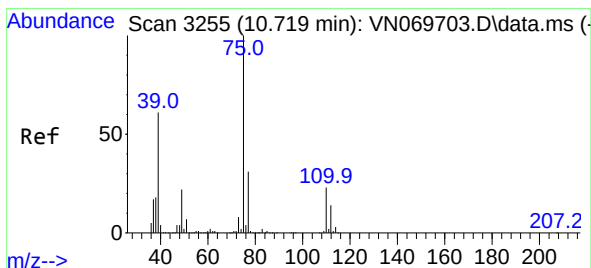
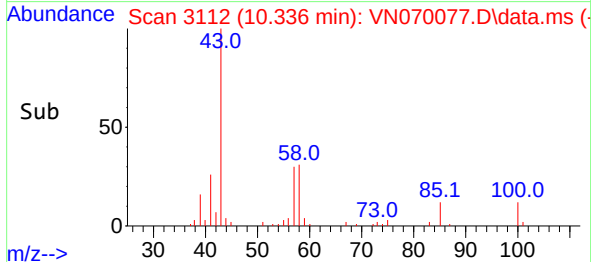
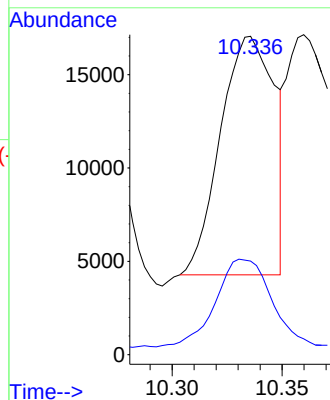
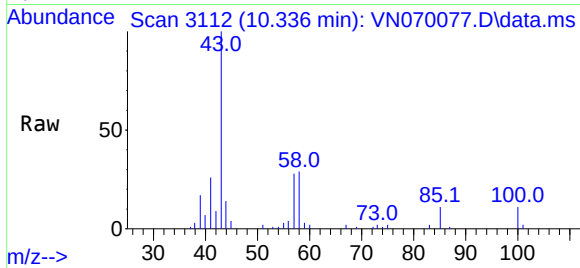




#51
4-Methyl-2-Pentanone
Concen: 0.706 ug/l
RT: 10.336 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

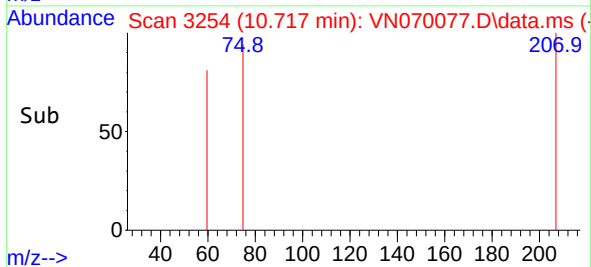
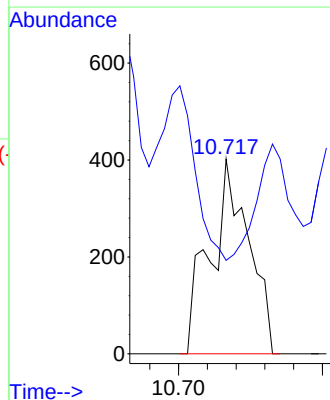
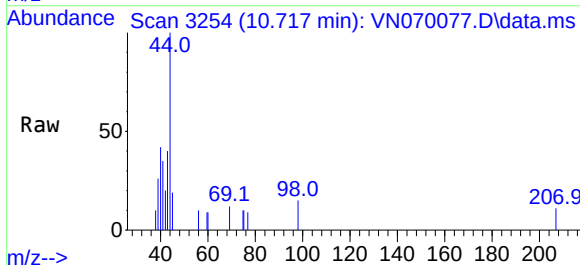
Instrument :
MSVOA_N
ClientSampleId :

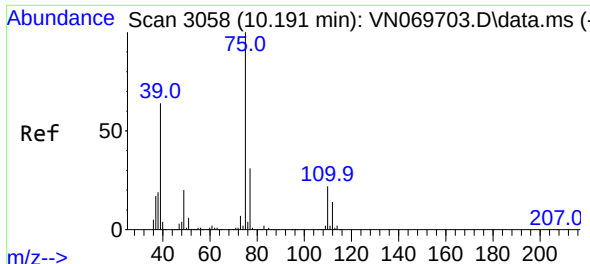
Tgt Ion: 43 Resp: 21816
Ion Ratio Lower Upper
43 100
58 48.1 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.807 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

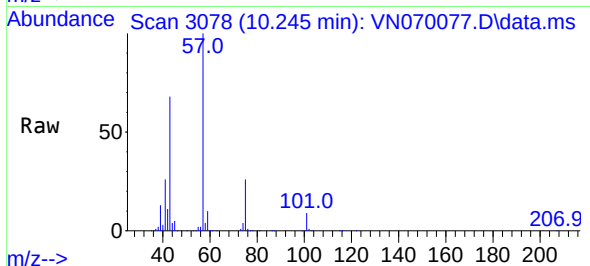
Tgt Ion: 75 Resp: 373
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



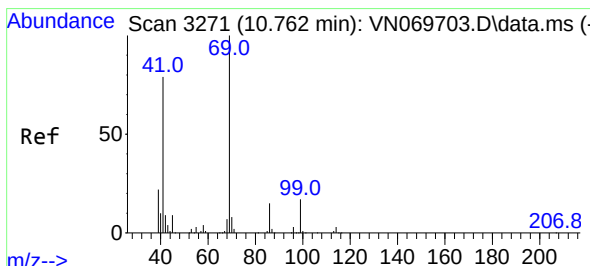
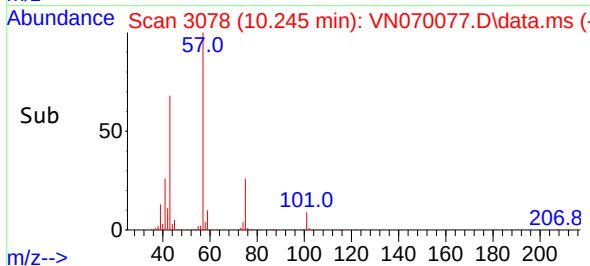
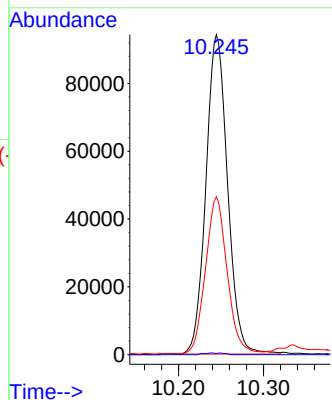


#54
cis-1,3-Dichloropropene
Concen: 7.751 ug/l
RT: 10.245 min Scan# 3058
Delta R.T. 0.053 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

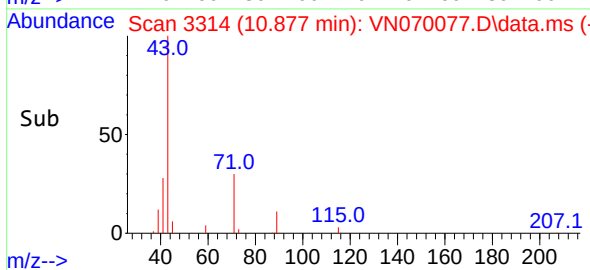
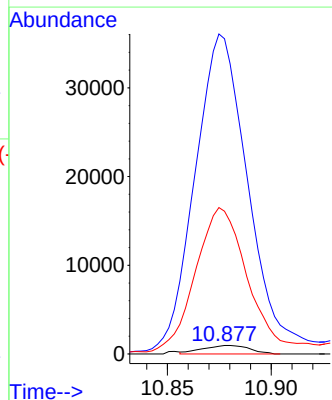
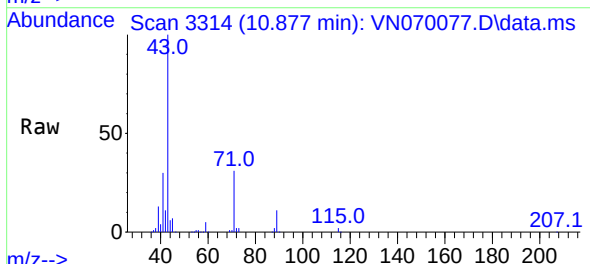


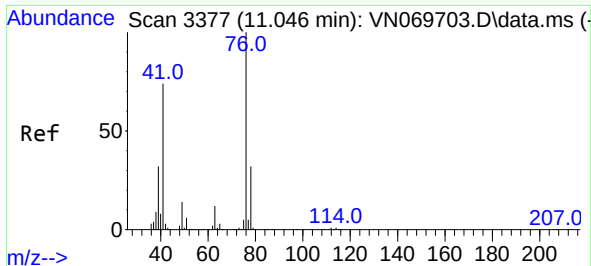
Tgt Ion: 75 Resp: 166638
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 49.1 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.326 ug/l
RT: 10.877 min Scan# 3314
Delta R.T. 0.115 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion: 69 Resp: 1520
Ion Ratio Lower Upper
69 100
41 4195.8 51.4 77.0#
39 1897.8 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 3.593 ug/l

RT: 11.092 min Scan# 31

Delta R.T. 0.046 min

Lab File: VN070077.D

Acq: 14 Dec 2021 17:58

Instrument :

MSVOA_N

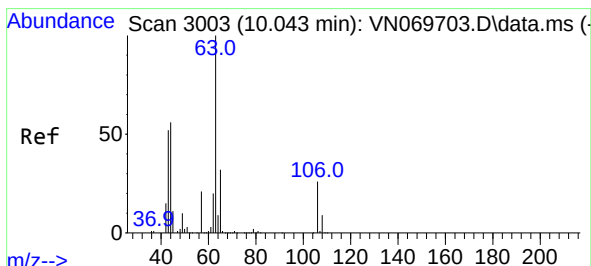
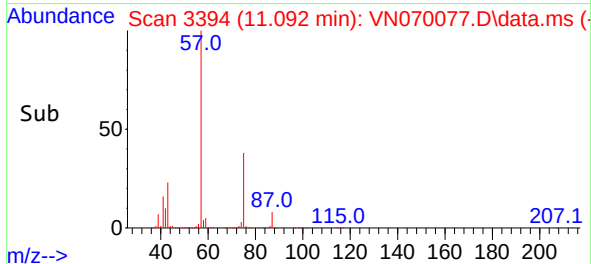
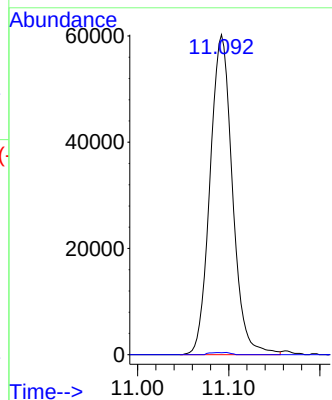
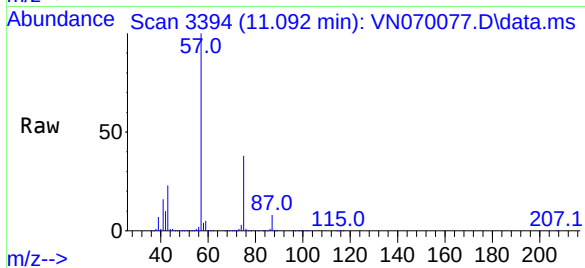
ClientSampleId :

Tgt Ion: 76 Resp: 102945

Ion Ratio Lower Upper

76 100

78 0.6 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.392 ug/l

RT: 10.223 min Scan# 3070

Delta R.T. 0.180 min

Lab File: VN070077.D

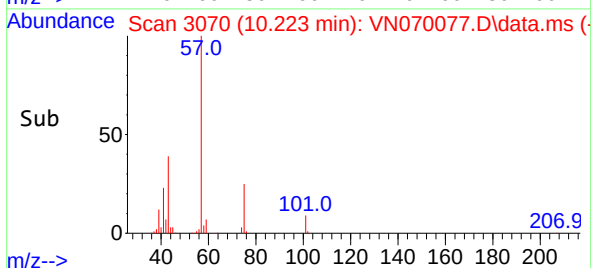
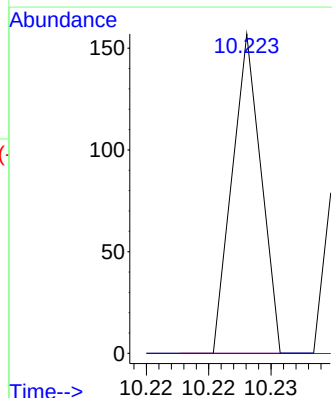
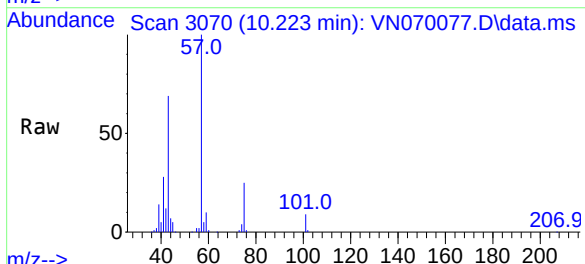
Acq: 14 Dec 2021 17:58

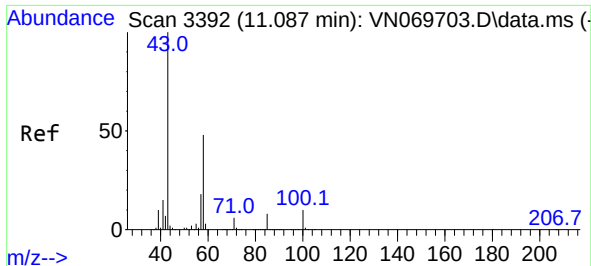
Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

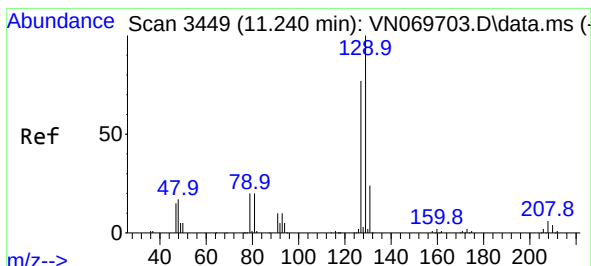
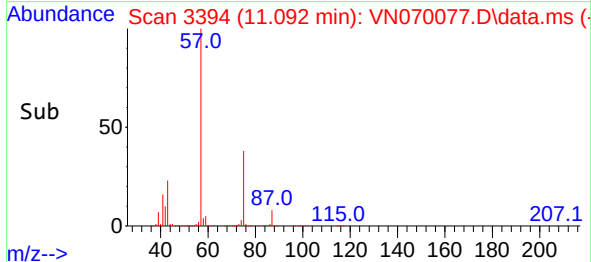
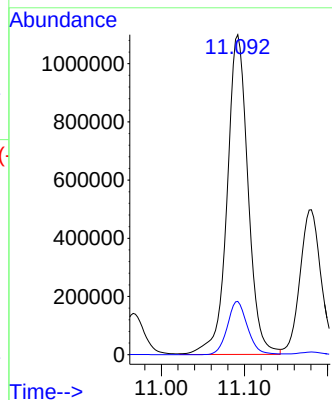
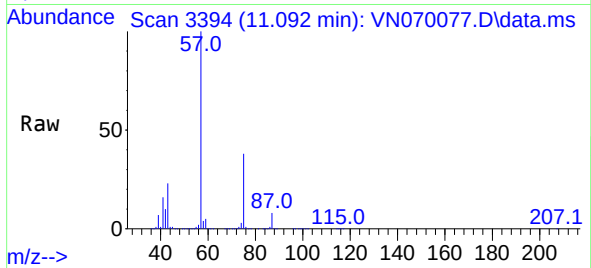




#59
2-Hexanone
Concen: 82.335 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

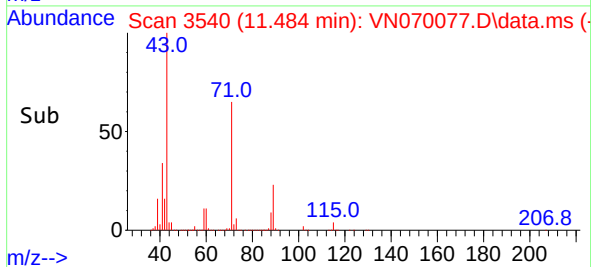
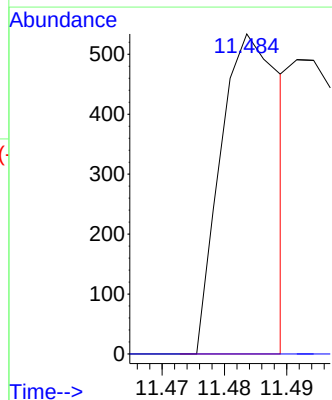
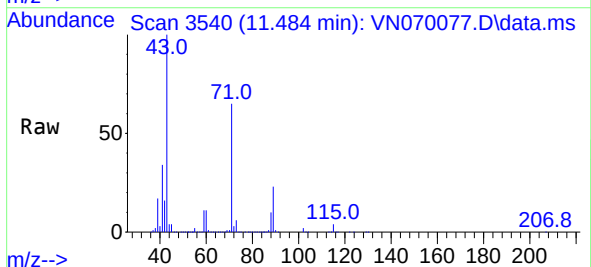
Instrument :
MSVOA_N
ClientSampleId :

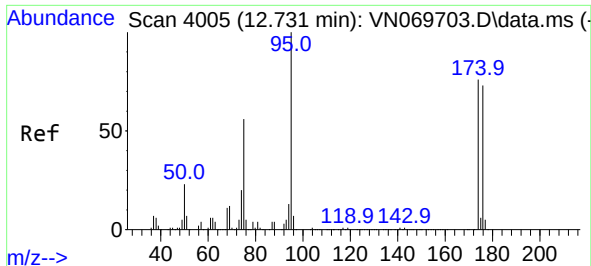
Tgt Ion: 43 Resp: 1923338
Ion Ratio Lower Upper
43 100
58 16.2 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.395 ug/l
RT: 11.484 min Scan# 3540
Delta R.T. 0.244 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion:129 Resp: 353
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

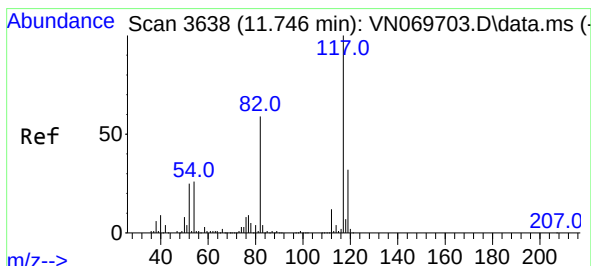
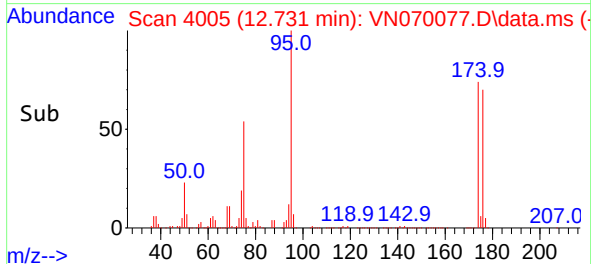
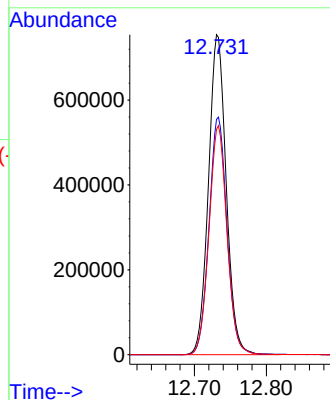
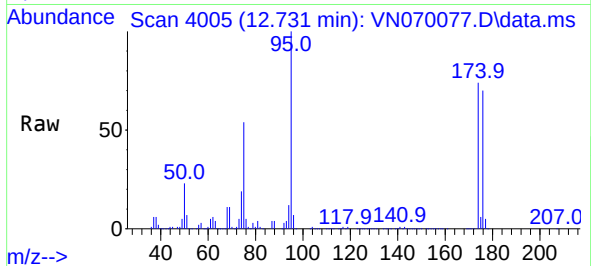




#62
4-Bromofluorobenzene
Concen: 62.611 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

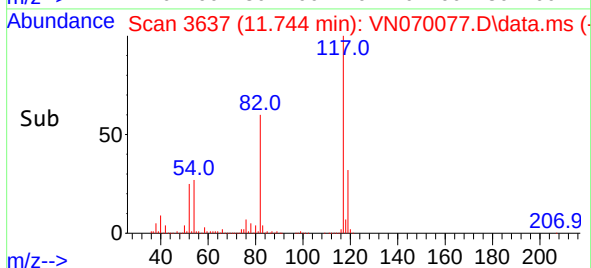
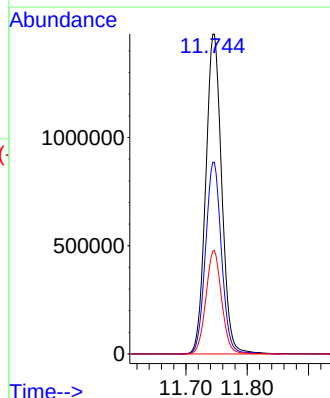
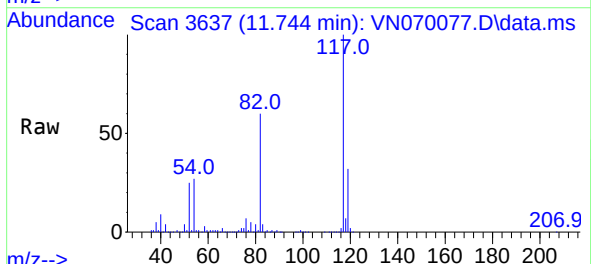
Instrument :
MSVOA_N
ClientSampleId :

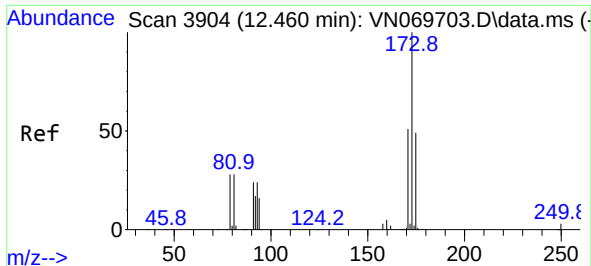
Tgt Ion: 95 Resp: 1295157
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion: 117 Resp: 2677575
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.1 25.4 38.2

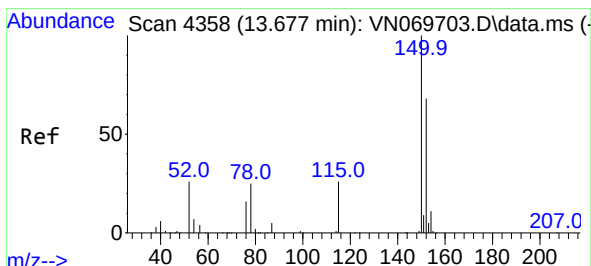
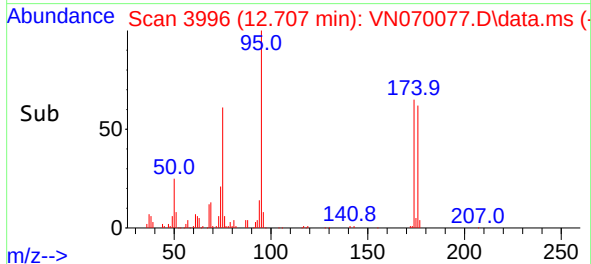
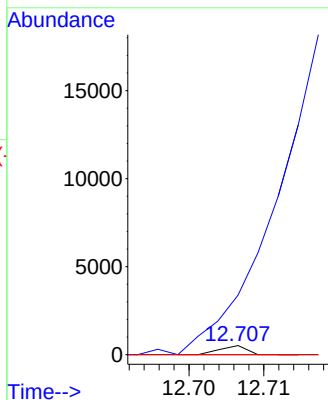
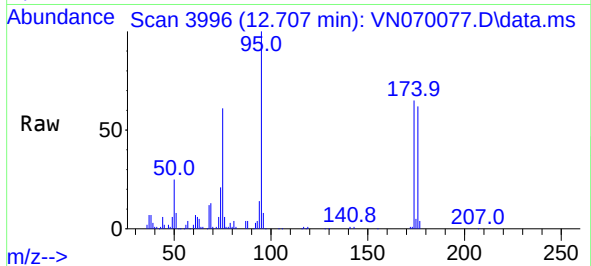




#71
Bromoform
Concen: 2.738 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

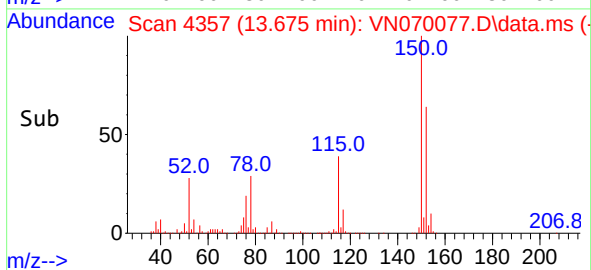
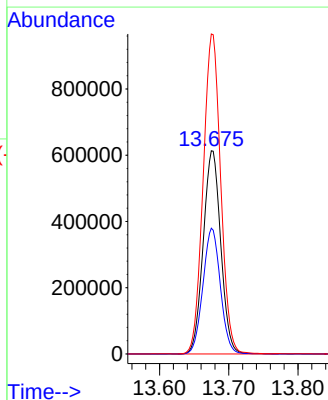
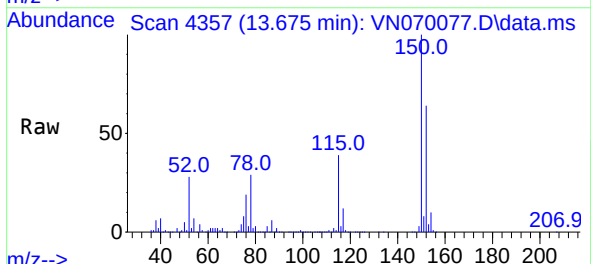
Instrument :
MSVOA_N
ClientSampleId :

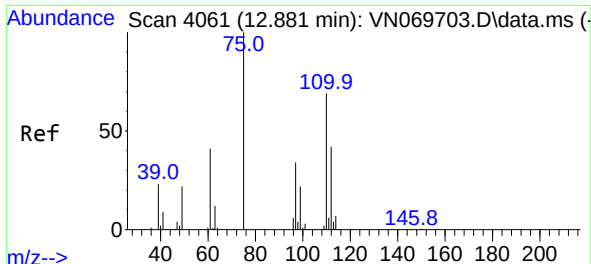
Tgt Ion:173 Resp: 128
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Tgt Ion:152 Resp: 1079843
Ion Ratio Lower Upper
152 100
115 61.3 27.5 82.5
150 157.5 0.0 344.4

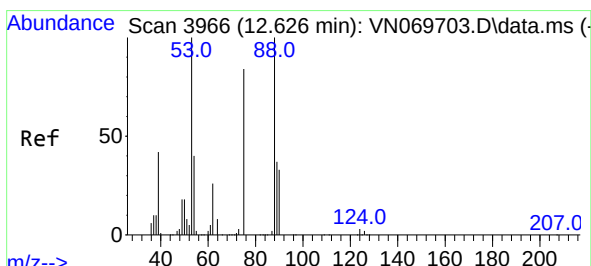
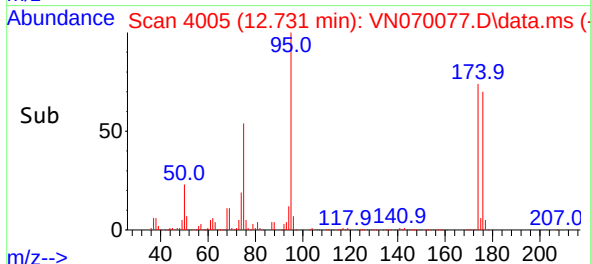
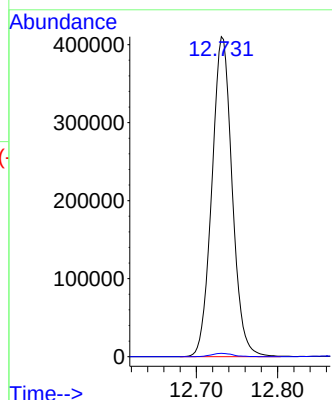
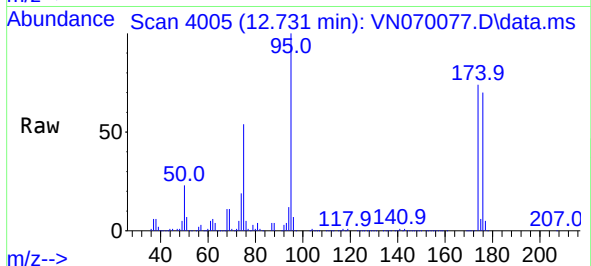




#76
1,2,3-Trichloropropane
Concen: 23.005 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

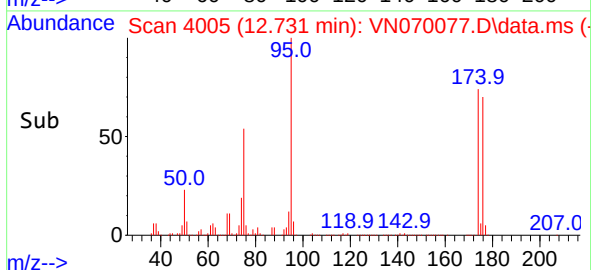
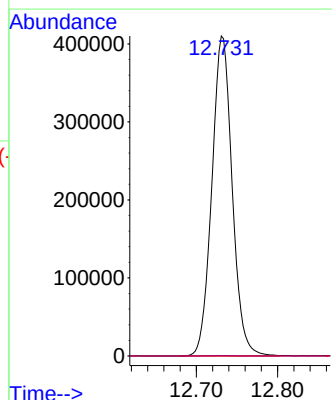
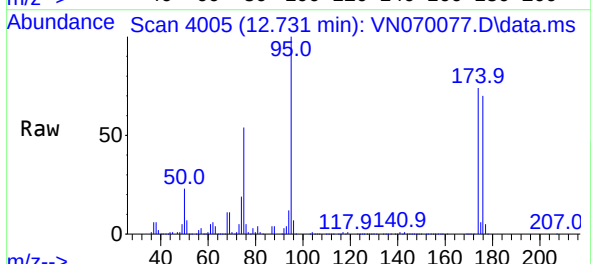
Instrument :
MSVOA_N
ClientSampleId :

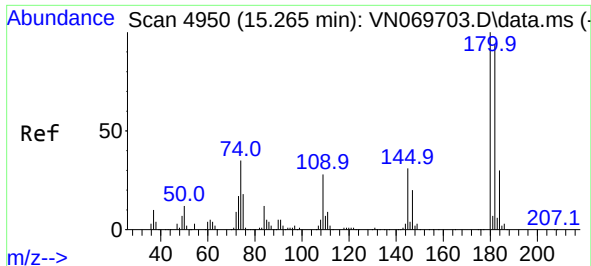
Tgt Ion: 75 Resp: 712391
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.237 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

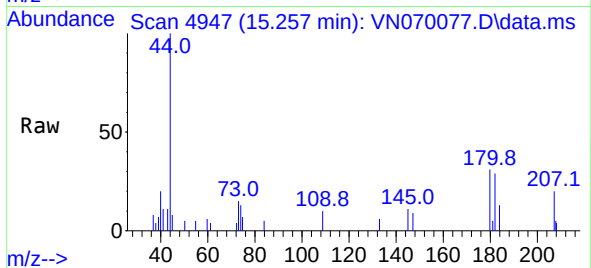
Tgt Ion: 75 Resp: 712391
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



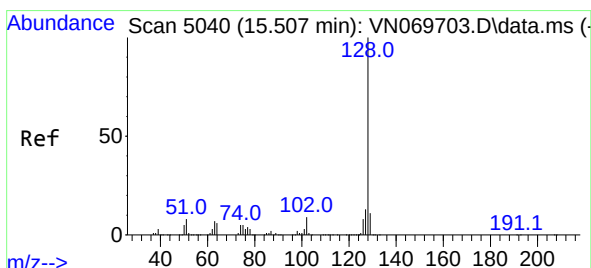
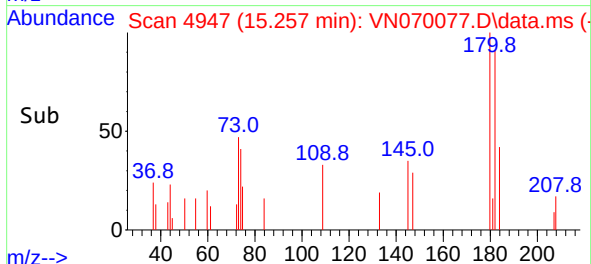
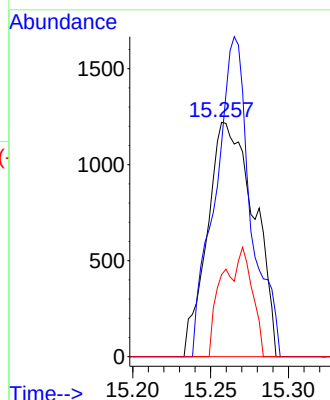


#93
1,2,4-Trichlorobenzene
Concen: 3.013 ug/l
RT: 15.257 min Scan# 4950
Delta R.T. -0.008 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :

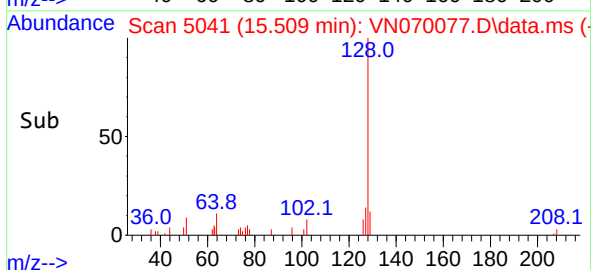
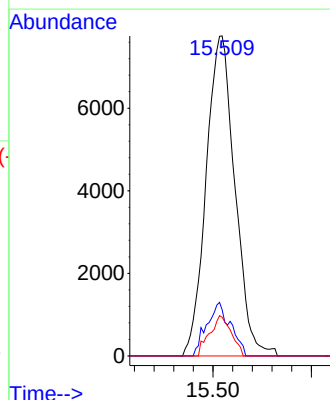
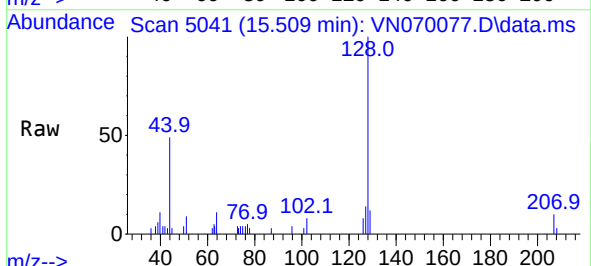


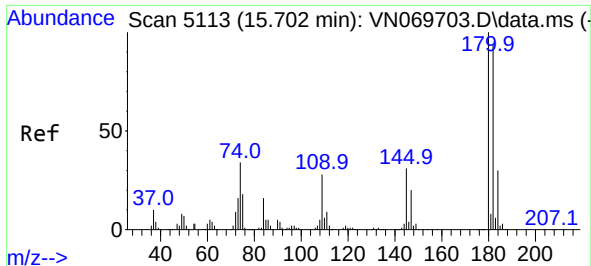
Tgt Ion:180 Resp: 2538
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 14.6 14.5 43.5



#95
Naphthalene
Concen: 4.260 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

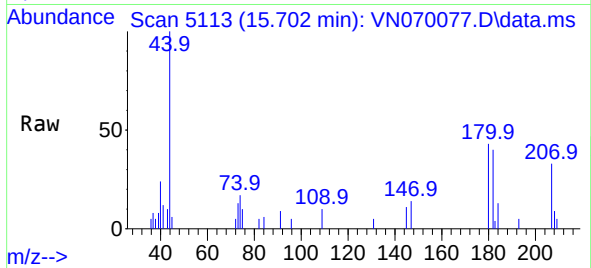
Tgt Ion:128 Resp: 15764
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 9.4 8.7 13.1





#96
1,2,3-Trichlorobenzene
Concen: 2.603 ug/l
RT: 15.702 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN070077.D
Acq: 14 Dec 2021 17:58

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 3037
Ion Ratio Lower Upper
180 100
182 90.1 47.4 142.2
145 16.8 15.0 45.1

