

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070760.D
 Acq On : 24 Jan 2022 17:10
 Operator : JC/MD
 Sample : N1235-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Jan 24 23:33:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

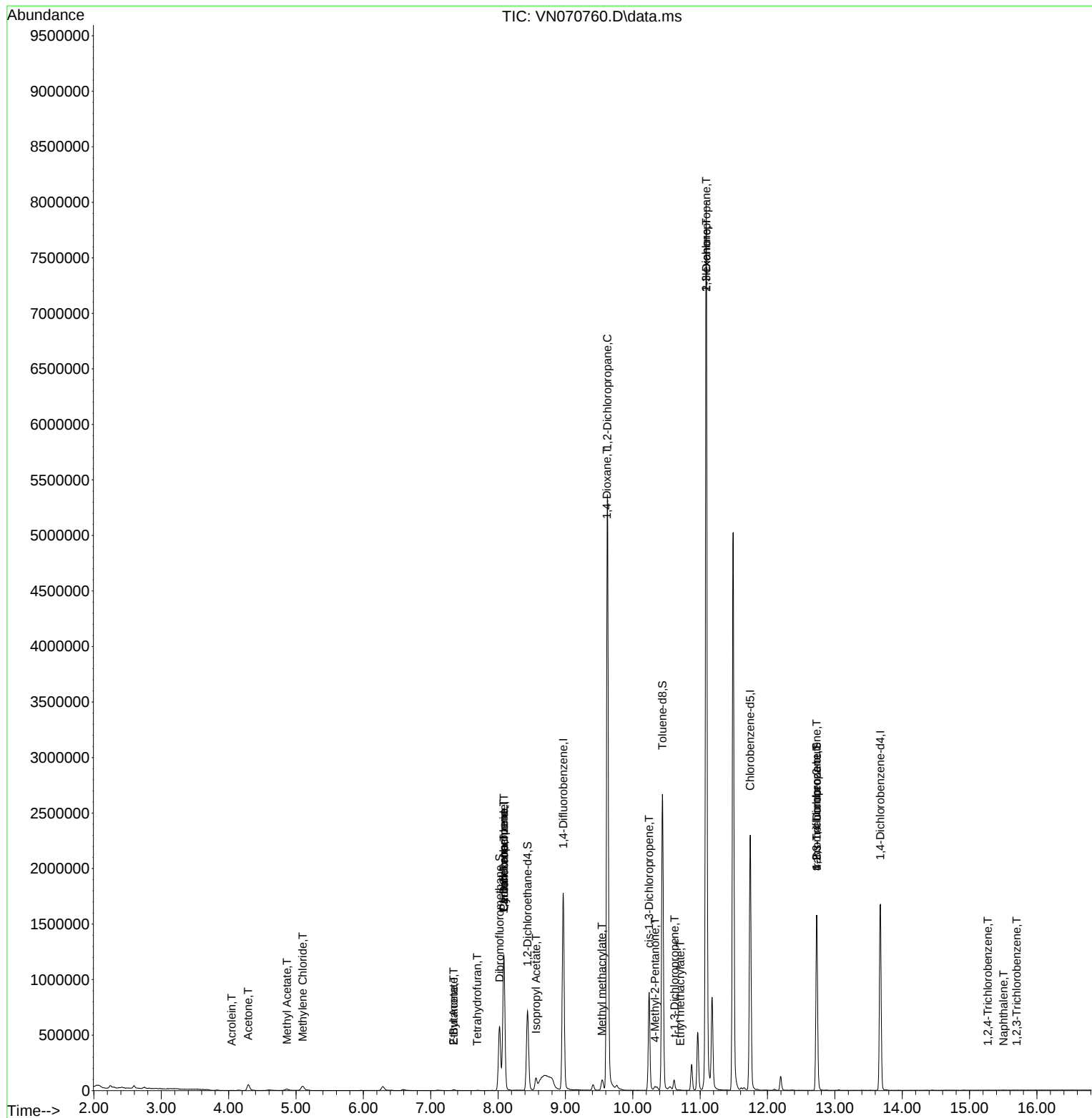
Internal Standards						
1) Pentafluorobenzene	8.086	168	920820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1492184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1316841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	460306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	616528	46.718	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.440%		
35) Dibromofluoromethane	8.021	113	427968	46.237	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.480%		
50) Toluene-d8	10.440	98	1865908	47.852	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.731	95	580893	41.806	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.620%		
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	759	0.222	ug/l #	41
16) Acetone	4.291	43	98441	10.747	ug/l	97
18) Methyl Acetate	4.867	43	25353	1.407	ug/l #	81
20) Methylene Chloride	5.101	84	27761	2.301	ug/l	92
25) 2-Butanone	7.340	43	13926	1.208	ug/l	91
29) Tetrahydrofuran	7.691	42	2373	0.336	ug/l #	67
30) Chloroform	8.088	83	137	Below Cal	#	18
31) Cyclohexane	8.086	56	21331	0.918	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	75809	4.865	ug/l #	49
37) Ethyl Acetate	7.340	43	13926	0.673	ug/l #	68
38) Carbon Tetrachloride	8.088	117	95277	6.873	ug/l #	16
43) Isopropyl Acetate	8.563	43	136711	4.327	ug/l #	82
45) 1,2-Dichloropropane	9.622	63	6493	0.494	ug/l #	44
48) Methyl methacrylate	9.542	41	27795	1.846	ug/l #	8
49) 1,4-Dioxane	9.617	88	473	2.092	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	17086	0.847	ug/l	90
53) t-1,3-Dichloropropene	10.620	75	128	2.410	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	150994	8.064	ug/l #	61
56) Ethyl methacrylate	10.706	69	531	2.325	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	79528	3.959	ug/l #	43
59) 2-Hexanone	11.089	43	1370438	93.563	ug/l #	49
76) 1,2,3-Trichloropropane	12.731	75	310357	25.421	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	310357	75.734	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	240	3.451	ug/l #	38
95) Naphthalene	15.504	128	1004	4.986	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.700	180	84	3.226	ug/l #	1

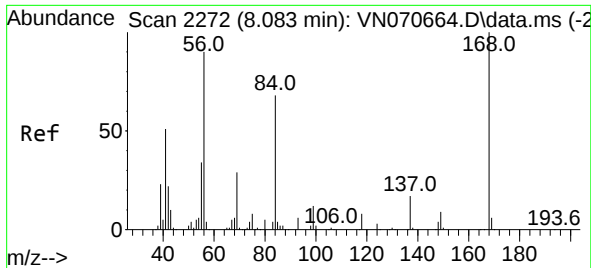
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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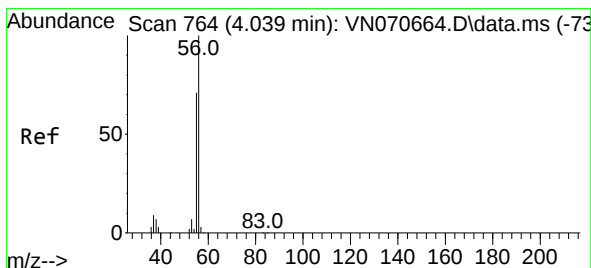
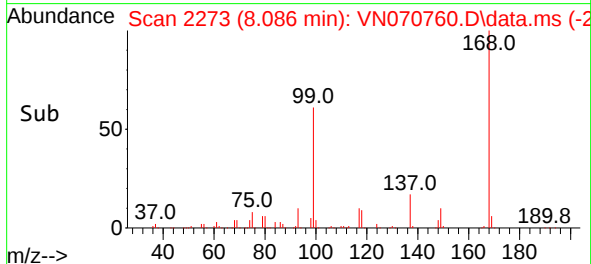
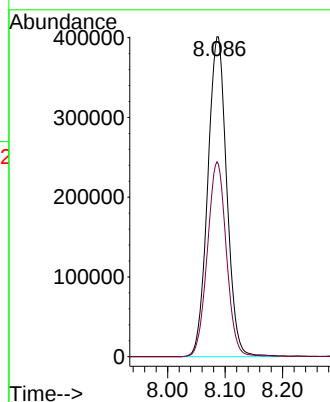
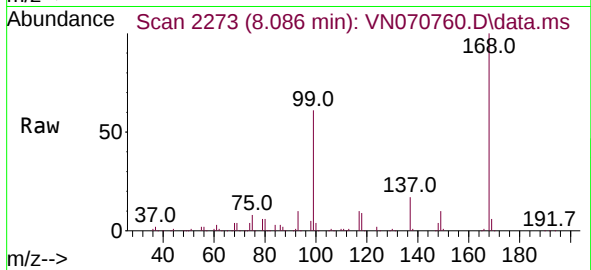




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

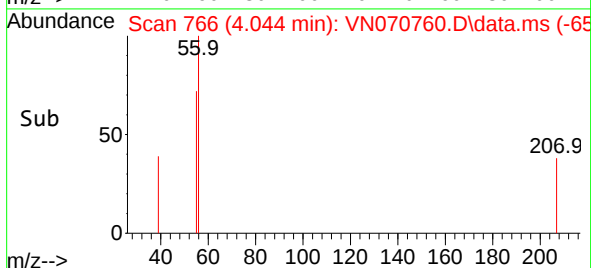
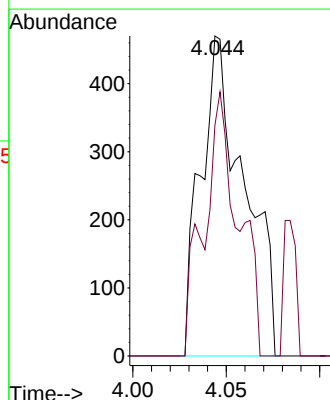
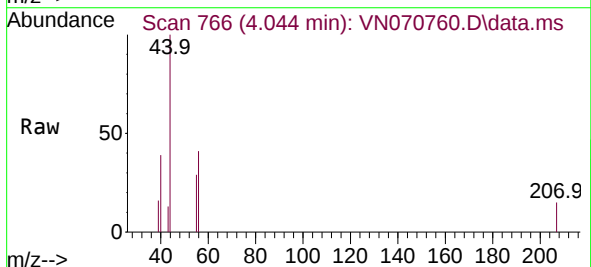
Instrument :
MSVOA_N
ClientSampleId :
TP-2

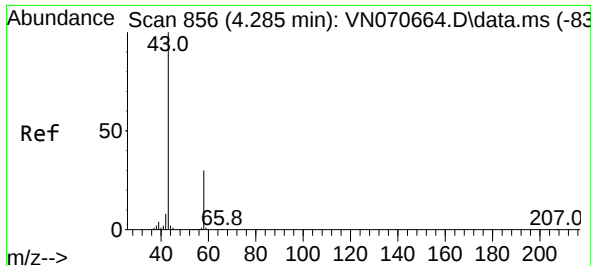
Tgt Ion:168 Resp: 920820
Ion Ratio Lower Upper
168 100
99 60.9 41.3 61.9



#13
Acrolein
Concen: 0.222 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 56 Resp: 759
Ion Ratio Lower Upper
56 100
55 22.3 56.6 85.0#

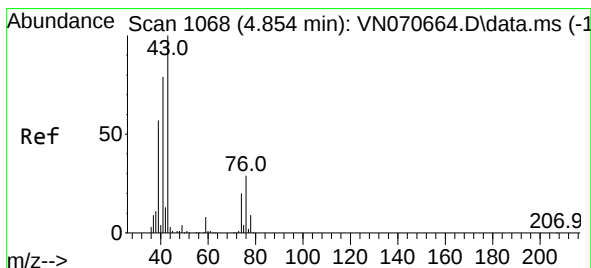
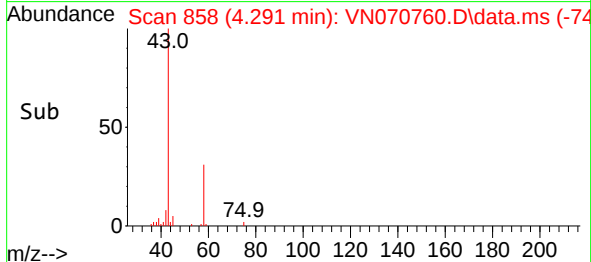
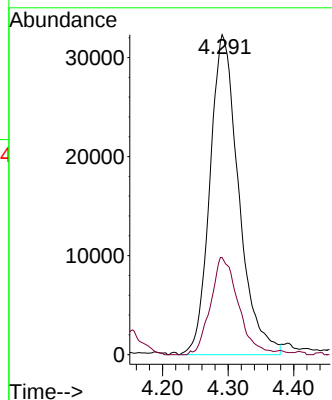
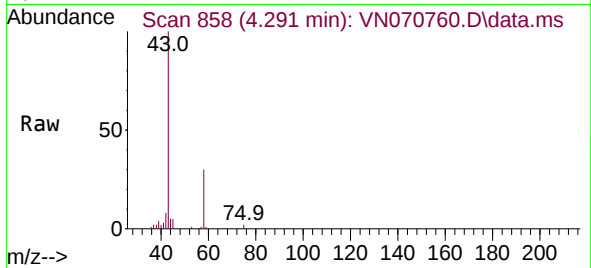




#16
Acetone
Concen: 10.747 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

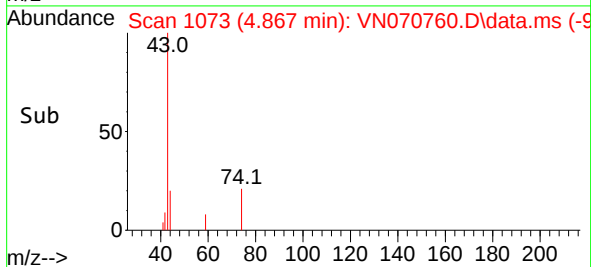
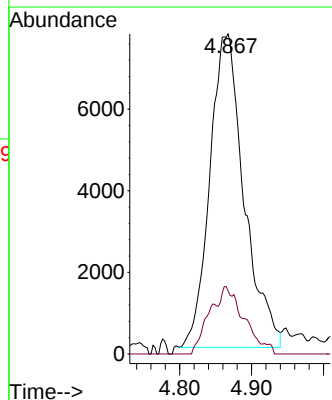
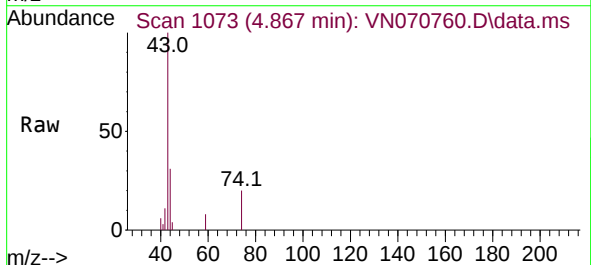
Instrument :
MSVOA_N
ClientSampleId :
TP-2

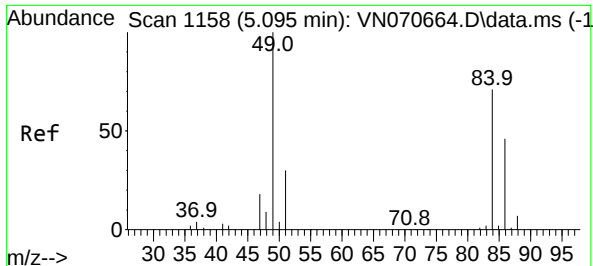
Tgt Ion: 43 Resp: 98441
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.407 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 43 Resp: 25353
Ion Ratio Lower Upper
43 100
74 14.8 19.4 29.2#





#20

Methylene Chloride

Concen: 2.301 ug/l

RT: 5.101 min Scan# 1158

Delta R.T. 0.006 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tgt Ion: 84 Resp: 27761

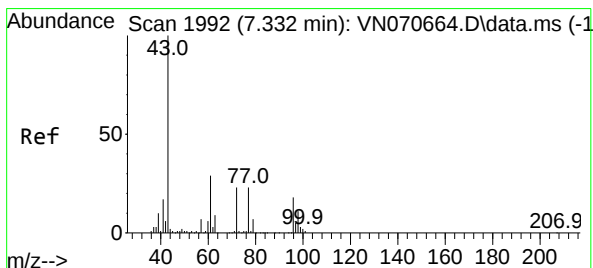
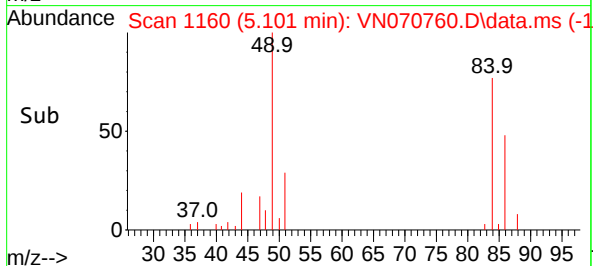
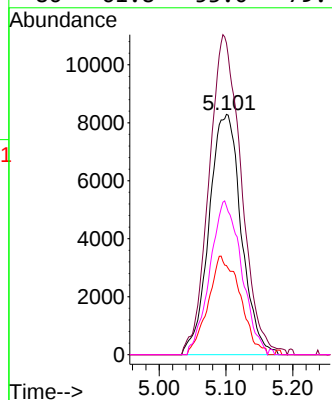
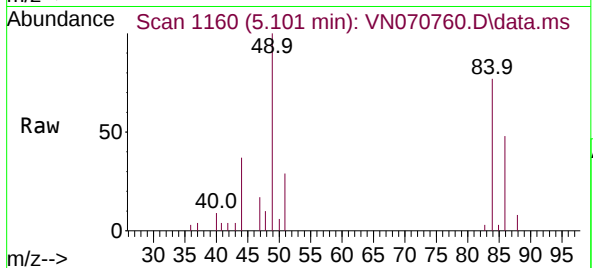
Ion Ratio Lower Upper

84 100

49 129.7 93.5 140.3

51 37.1 29.4 44.2

86 61.8 53.0 79.4



#25

2-Butanone

Concen: 1.208 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.008 min

Lab File: VN070760.D

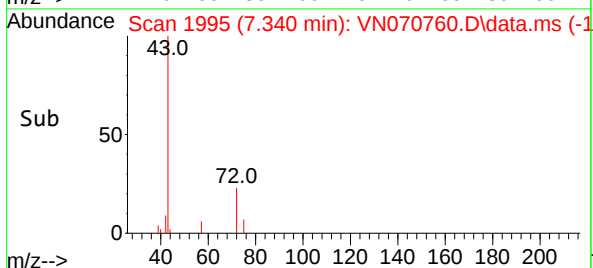
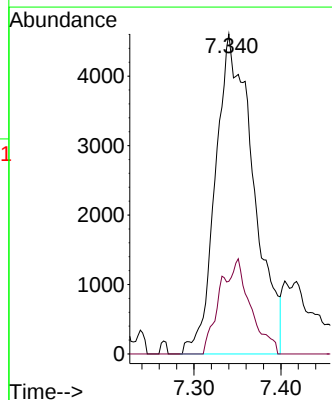
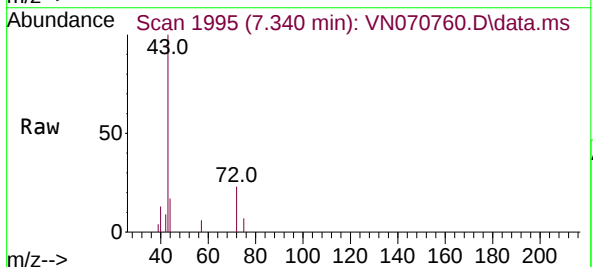
Acq: 24 Jan 2022 17:10

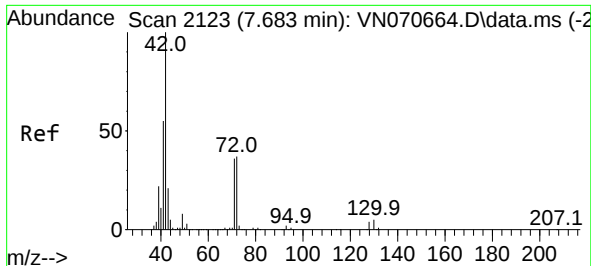
Tgt Ion: 43 Resp: 13926

Ion Ratio Lower Upper

43 100

72 22.7 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

Instrument :

MSVOA_N

ClientSampleId :

TP-2

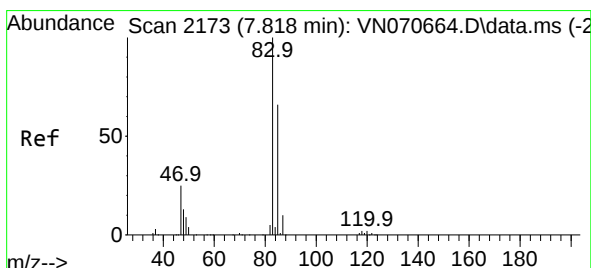
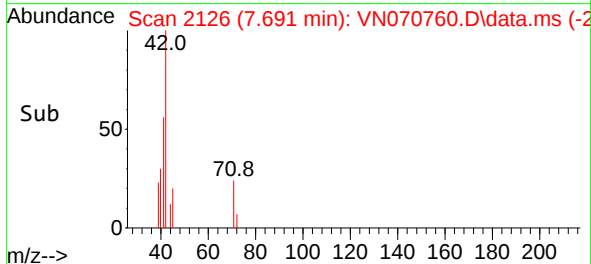
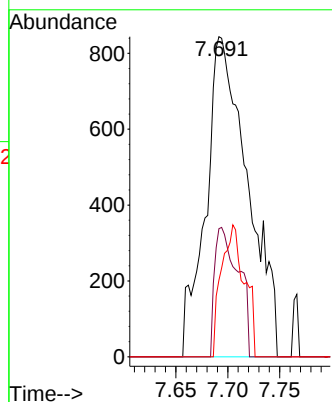
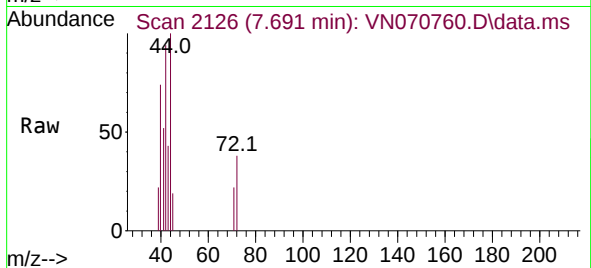
Tgt Ion: 42 Resp: 2373

Ion Ratio Lower Upper

42 100

72 22.8 36.3 54.5#

71 22.7 34.7 52.1#



#30

Chloroform

Concen: Below Cal

RT: 8.088 min Scan# 2274

Delta R.T. 0.270 min

Lab File: VN070760.D

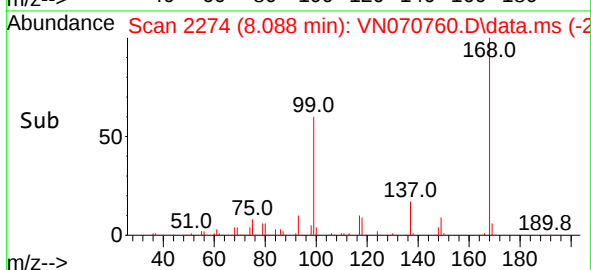
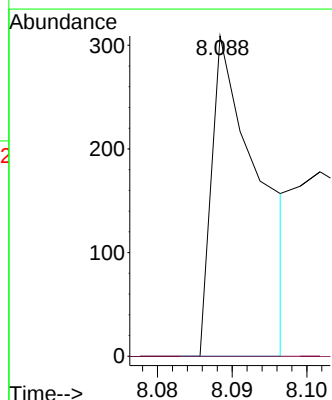
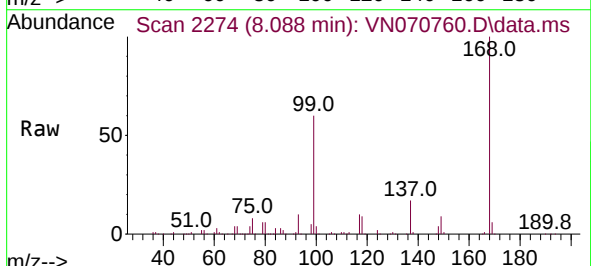
Acq: 24 Jan 2022 17:10

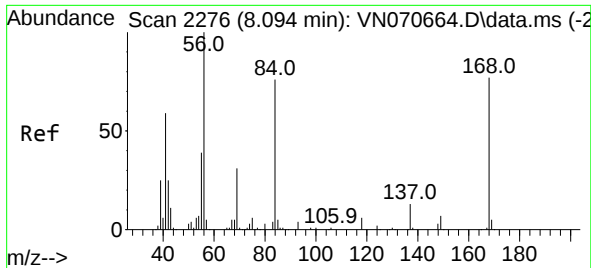
Tgt Ion: 83 Resp: 137

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

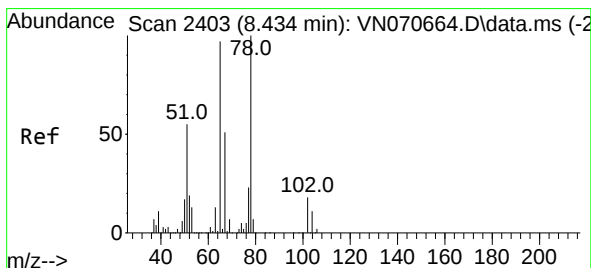
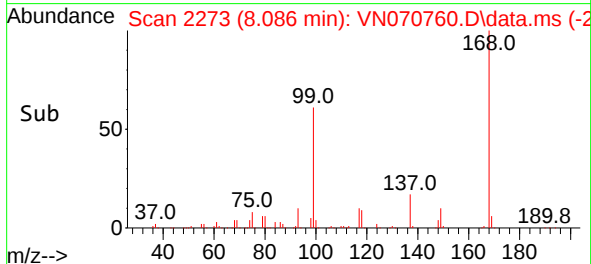
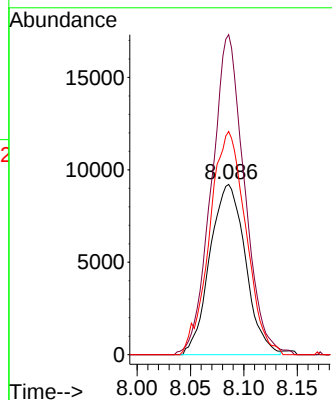
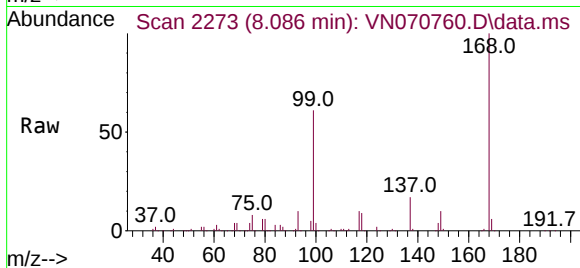




#31
Cyclohexane
Concen: 0.918 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

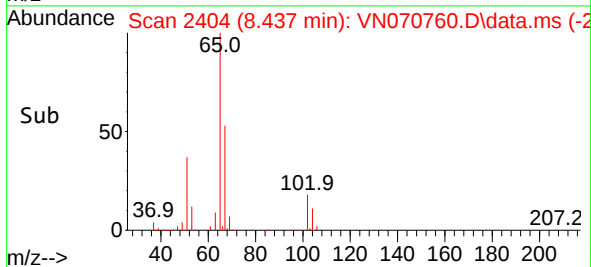
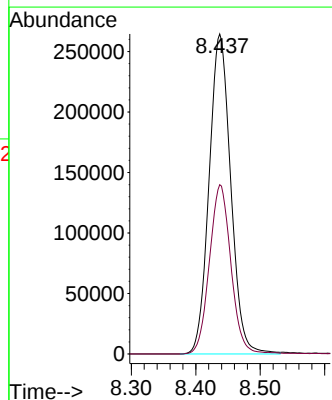
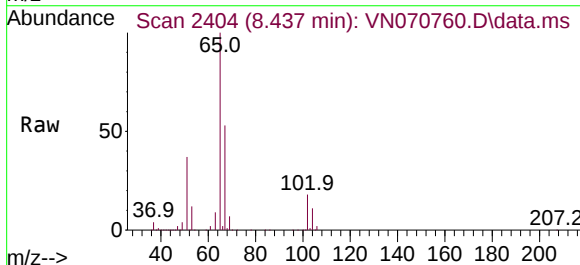
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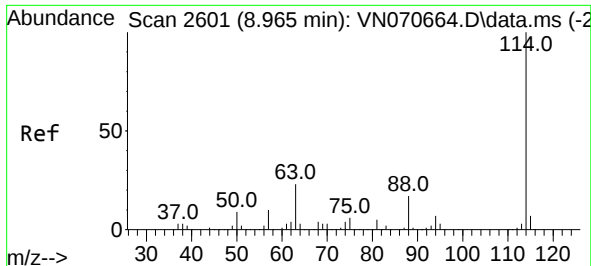
Tgt Ion: 56 Resp: 21331
Ion Ratio Lower Upper
56 100
69 185.9 27.1 40.7#
84 131.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.718 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 65 Resp: 616528
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0

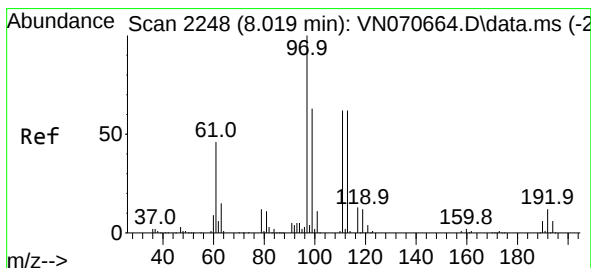
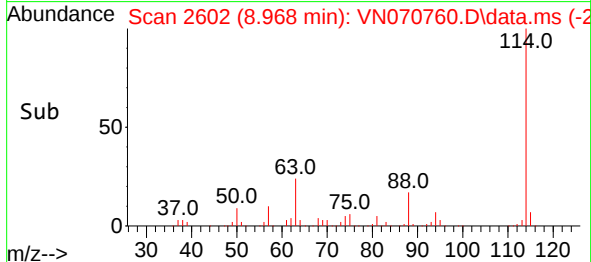
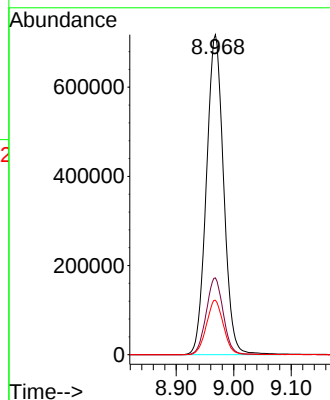
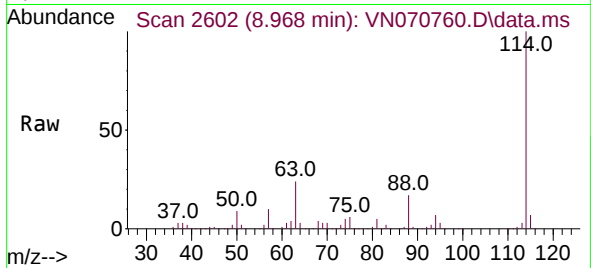




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

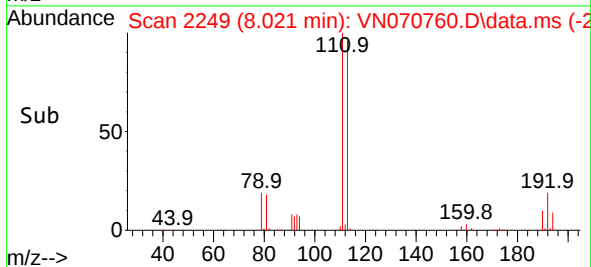
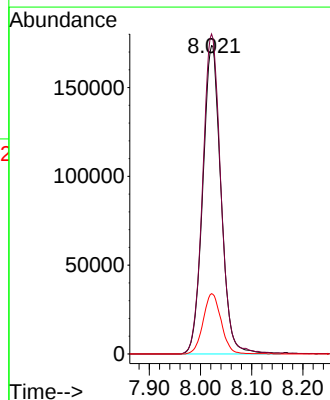
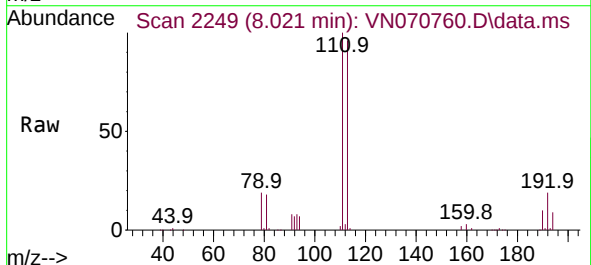
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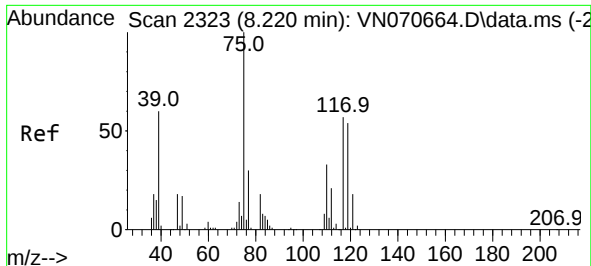
Tgt Ion:114 Resp: 1492184
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 17.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.237 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion:113 Resp: 427968
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.4 16.9 25.3

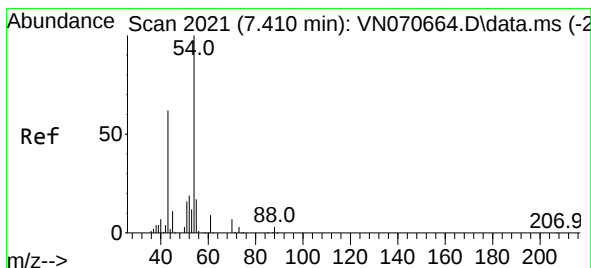
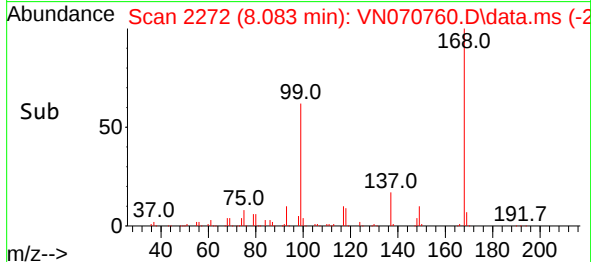
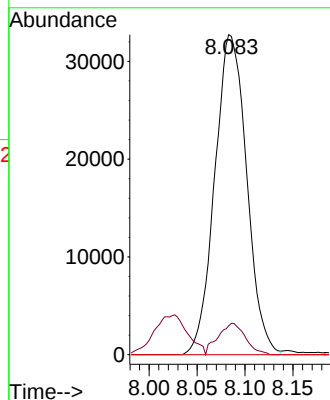
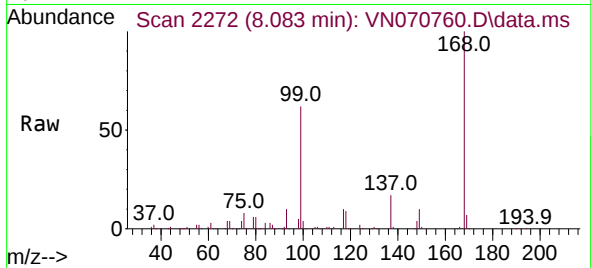




#36
1,1-Dichloropropene
Concen: 4.865 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

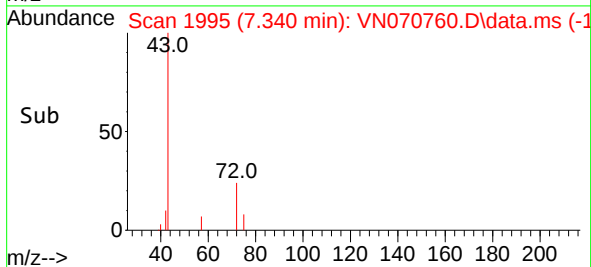
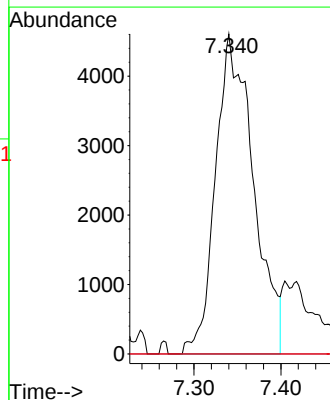
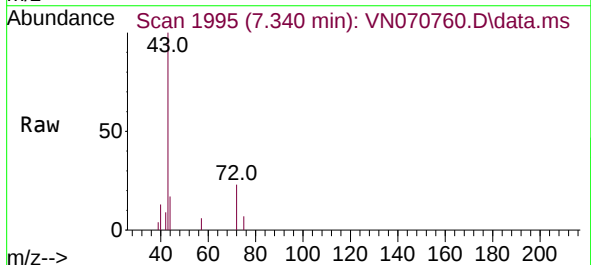
Instrument :
MSVOA_N
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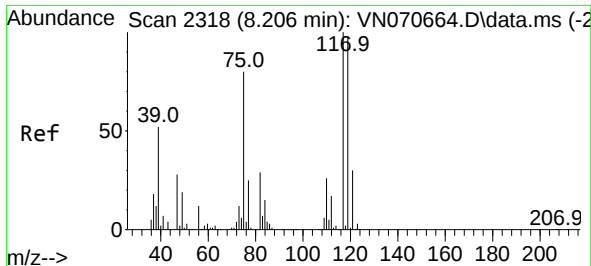
Tgt Ion: 75 Resp: 75809
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.673 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 43 Resp: 13926
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

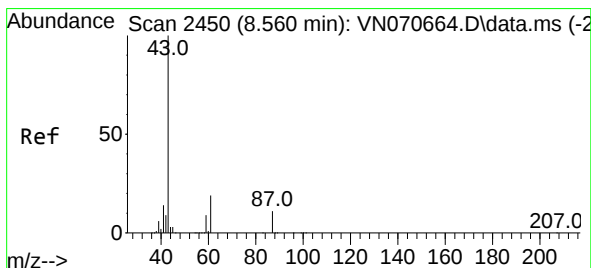
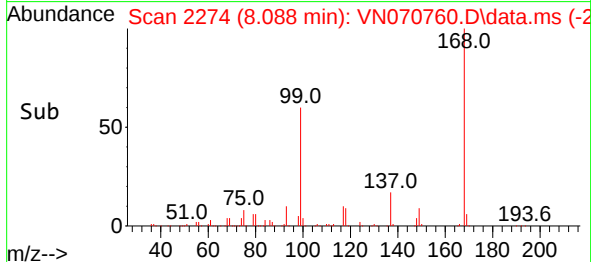
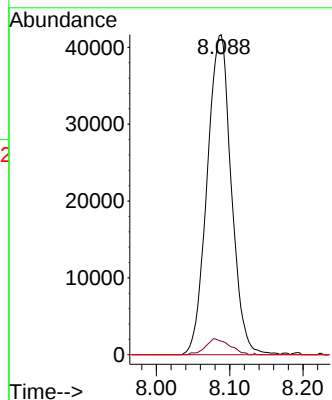
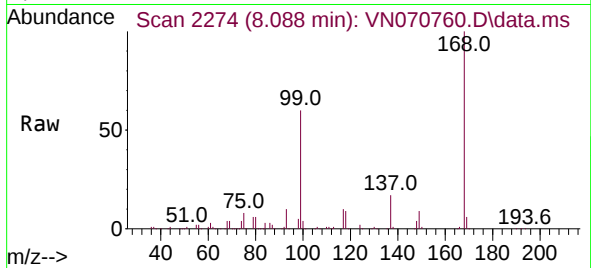




#38
Carbon Tetrachloride
Concen: 6.873 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

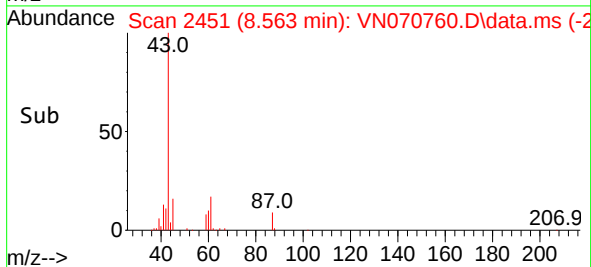
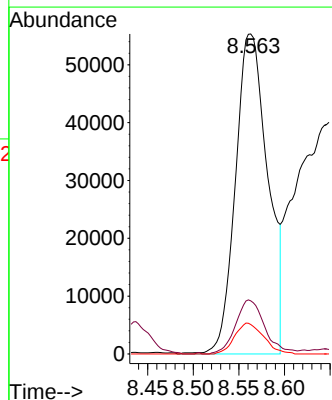
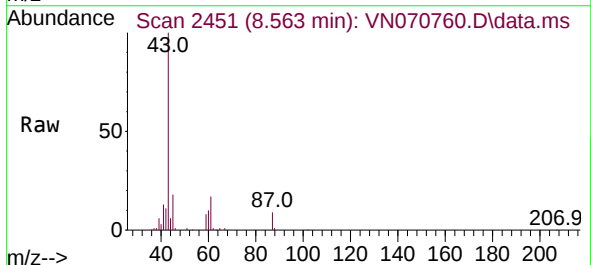
Instrument :
MSVOA_N
ClientSampleId :
TP-2

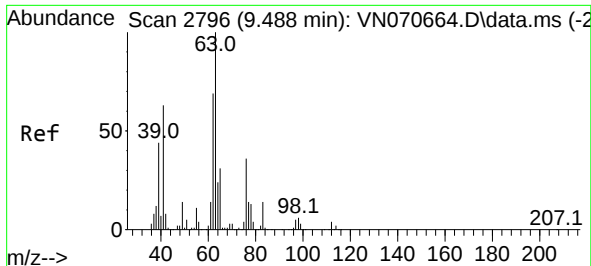
Tgt Ion:117 Resp: 95277
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.327 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 43 Resp: 136711
Ion Ratio Lower Upper
43 100
61 15.2 20.4 30.6#
87 8.6 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 9.622 min Scan# 2816

Delta R.T. 0.134 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

Instrument :

MSVOA_N

ClientSampleId :

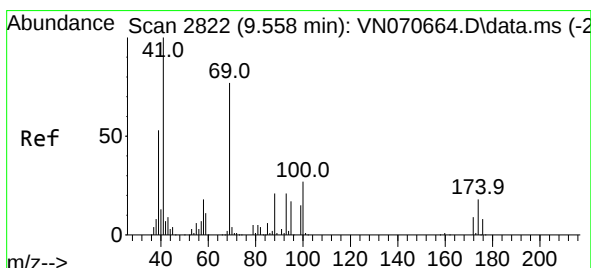
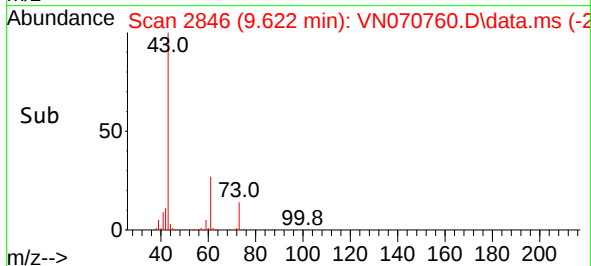
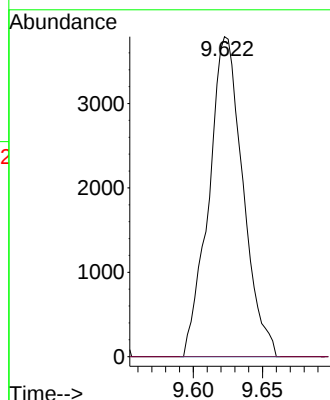
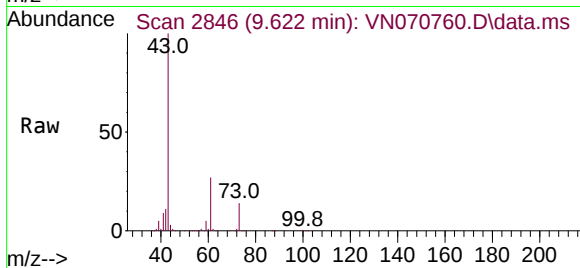
TP-2

Tgt Ion: 63 Resp: 6493

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.846 ug/l

RT: 9.542 min Scan# 2816

Delta R.T. -0.016 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

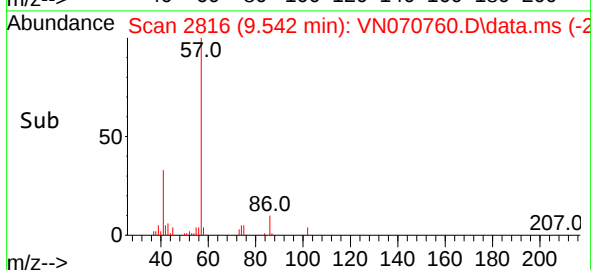
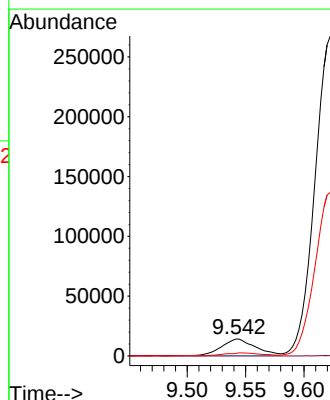
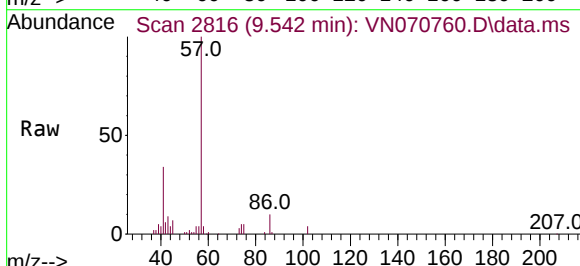
Tgt Ion: 41 Resp: 27795

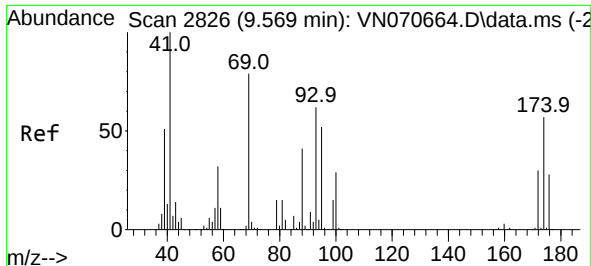
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 2.092 ug/l

RT: 9.617 min Scan# 2844

Delta R.T. 0.048 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

Instrument :

MSVOA_N

ClientSampleId :

TP-2

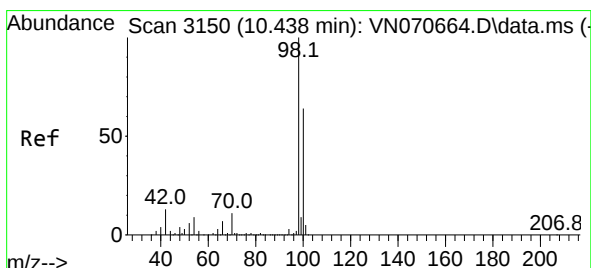
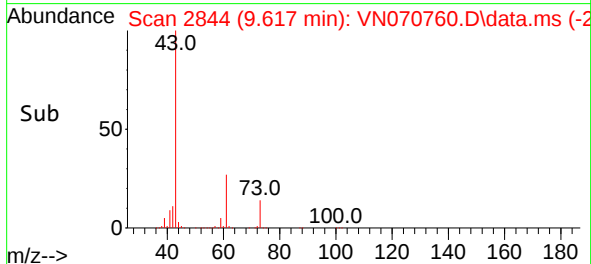
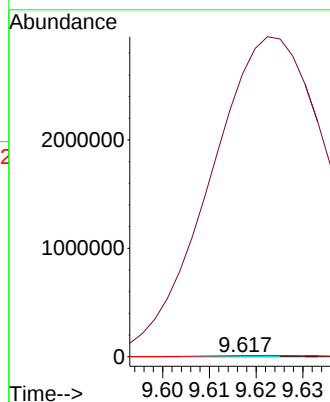
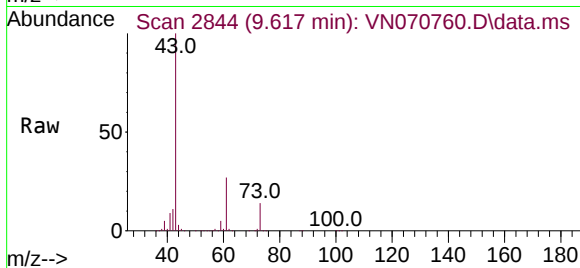
Tgt Ion: 88 Resp: 473

Ion Ratio Lower Upper

88 100

43 1194376.7 23.4 35.2#

58 4443.3 50.6 75.8#



#50

Toluene-d8

Concen: 47.852 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070760.D

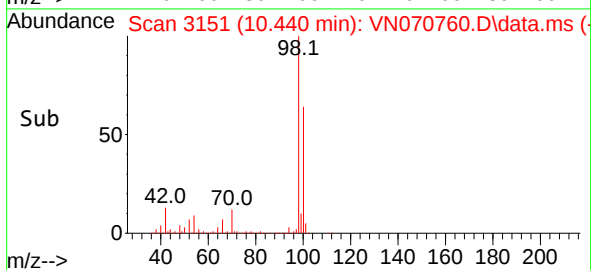
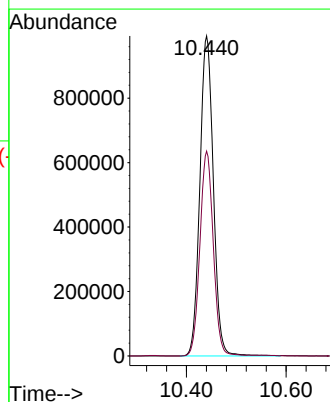
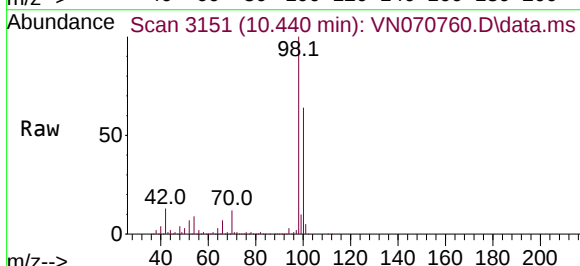
Acq: 24 Jan 2022 17:10

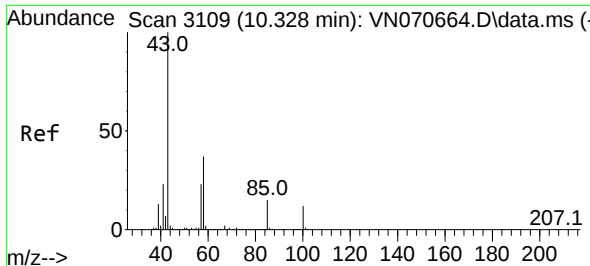
Tgt Ion: 98 Resp: 1865908

Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6

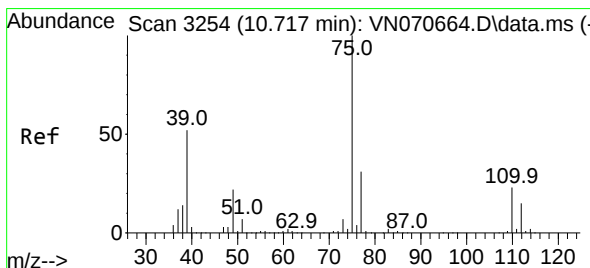
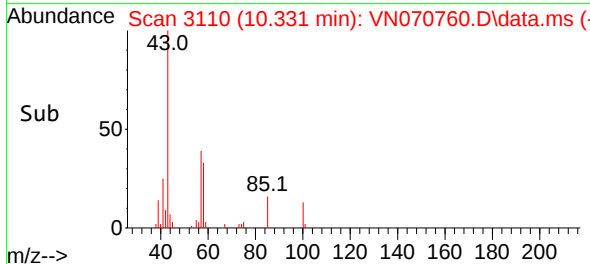
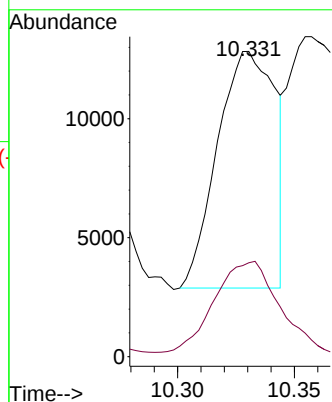
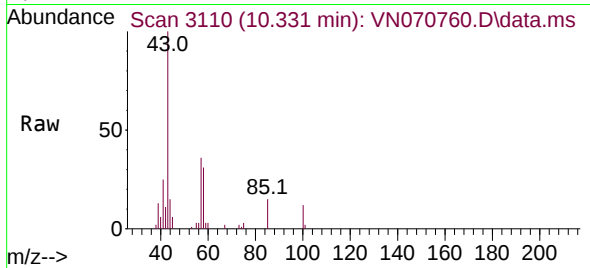




#51
4-Methyl-2-Pentanone
Concen: 0.847 ug/l
RT: 10.331 min Scan# 3109
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

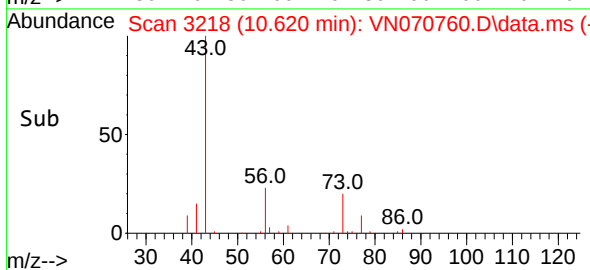
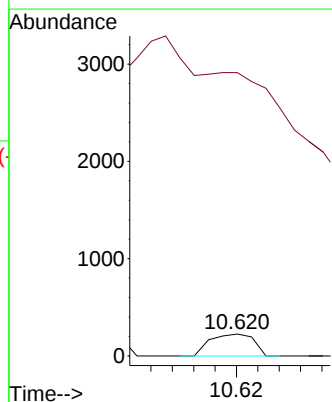
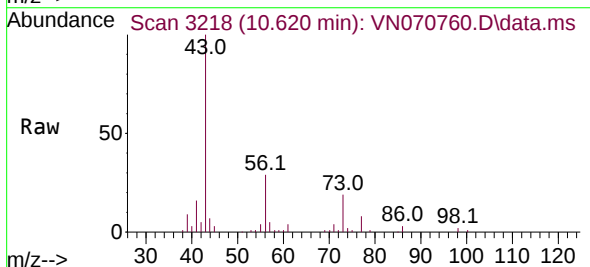
Instrument :
MSVOA_N
ClientSampleId :
TP-2

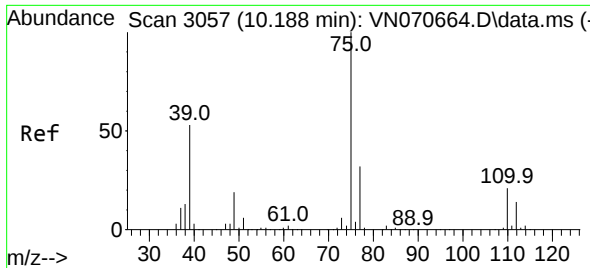
Tgt Ion: 43 Resp: 17086
Ion Ratio Lower Upper
43 100
58 43.9 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.620 min Scan# 3218
Delta R.T. -0.097 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 75 Resp: 128
Ion Ratio Lower Upper
75 100
77 164.0 25.6 38.4#

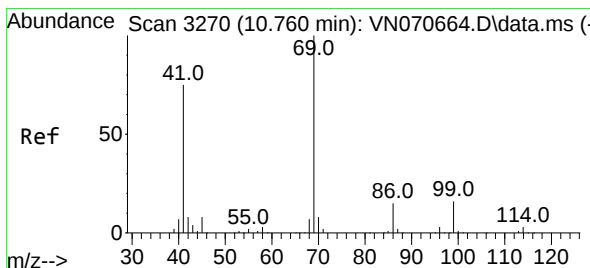
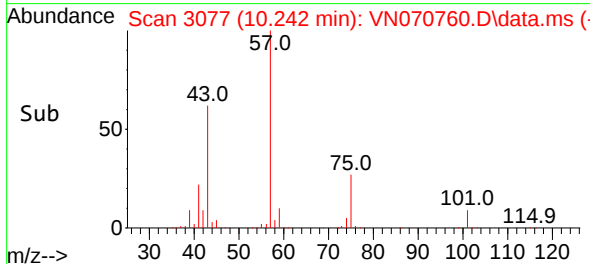
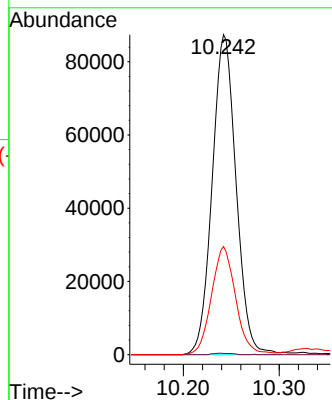
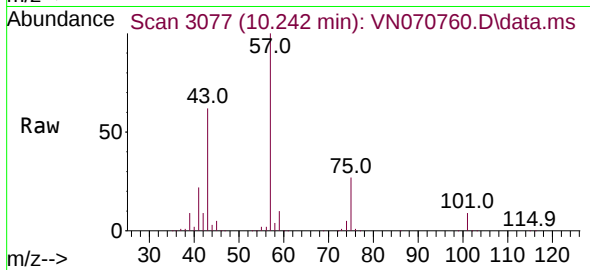




#54
cis-1,3-Dichloropropene
Concen: 8.064 ug/l
RT: 10.242 min Scan# 3057
Delta R.T. 0.054 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

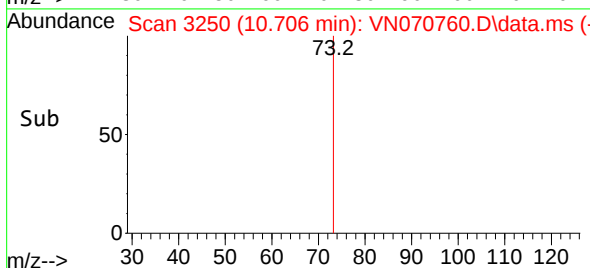
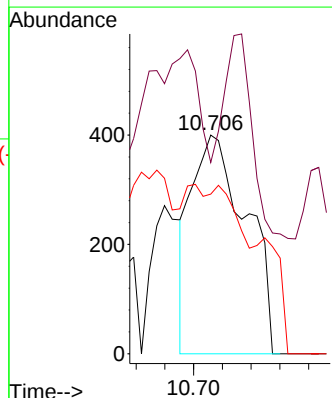
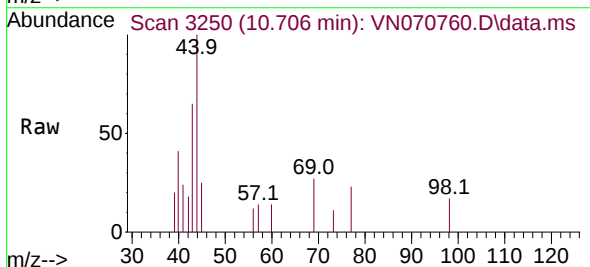
Instrument :
MSVOA_N
ClientSampleId :
TP-2

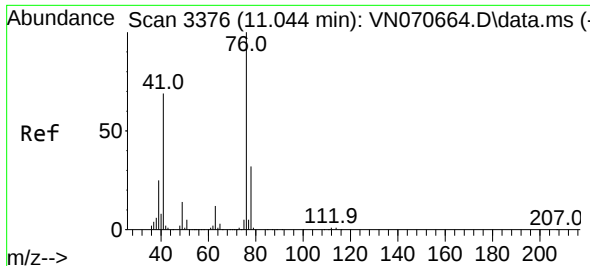
Tgt Ion: 75 Resp: 150994
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 33.8 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.325 ug/l
RT: 10.706 min Scan# 3250
Delta R.T. -0.054 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 69 Resp: 531
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: 3.959 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070760.D

Acq: 24 Jan 2022 17:10

Instrument :

MSVOA_N

ClientSampleId :

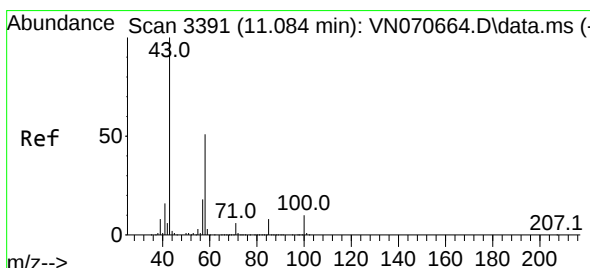
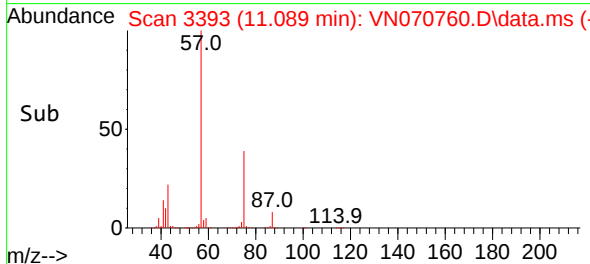
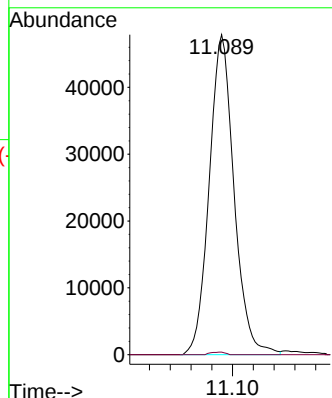
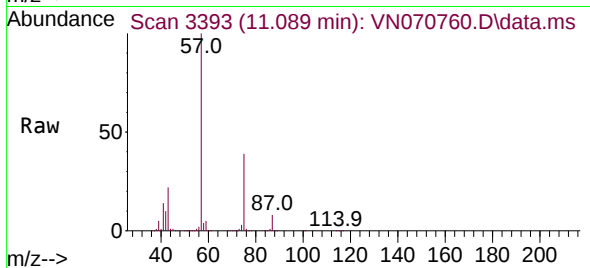
TP-2

Tgt Ion: 76 Resp: 79528

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 93.563 ug/l

RT: 11.089 min Scan# 3393

Delta R.T. 0.005 min

Lab File: VN070760.D

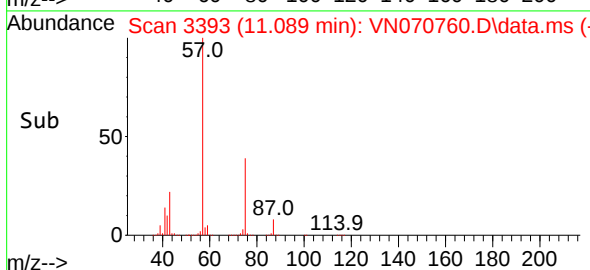
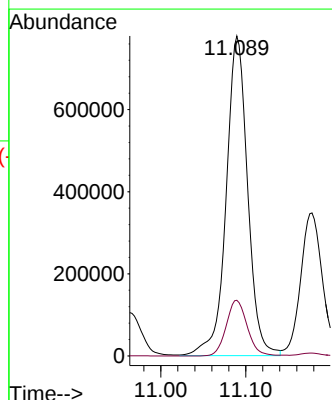
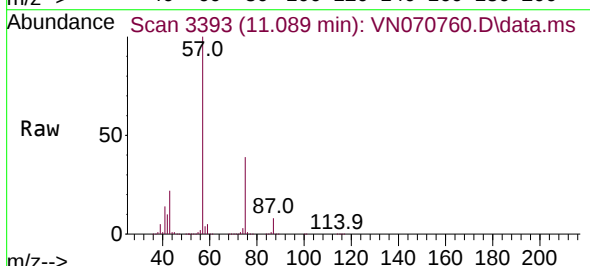
Acq: 24 Jan 2022 17:10

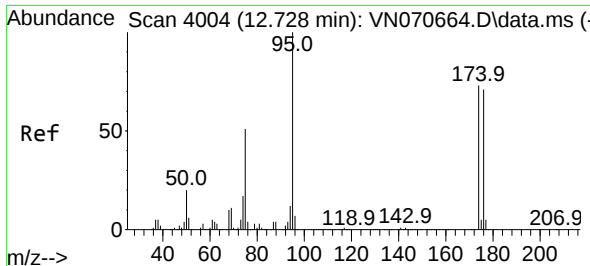
Tgt Ion: 43 Resp: 1370438

Ion Ratio Lower Upper

43 100

58 17.0 26.9 80.7#

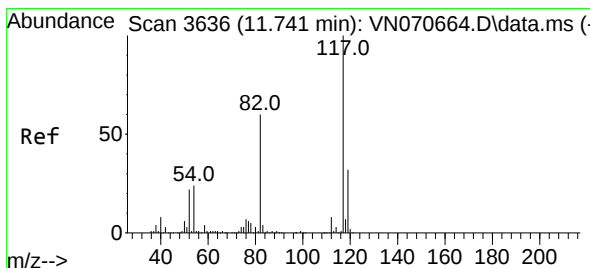
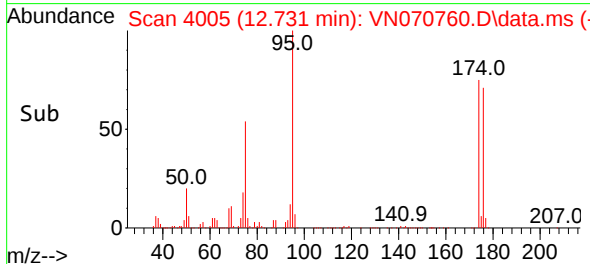
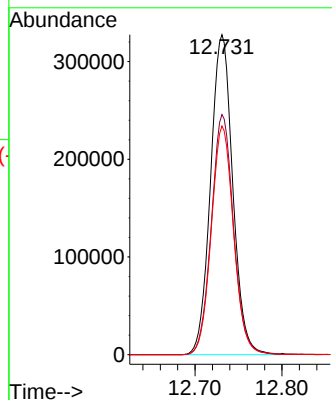
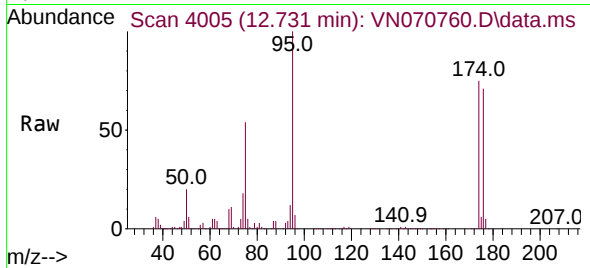




#62
4-Bromofluorobenzene
Concen: 41.806 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

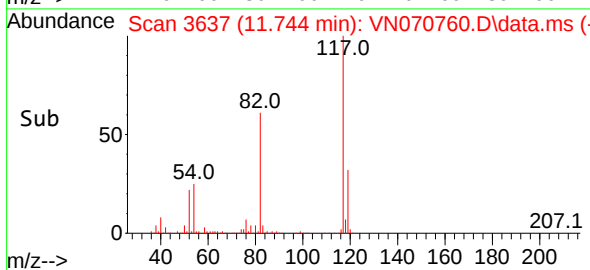
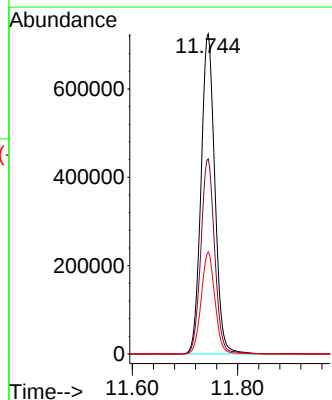
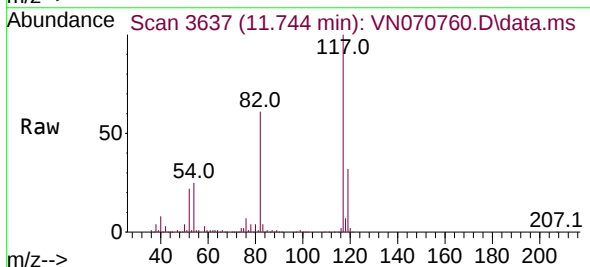
Instrument :
MSVOA_N
ClientSampleId :
TP-2

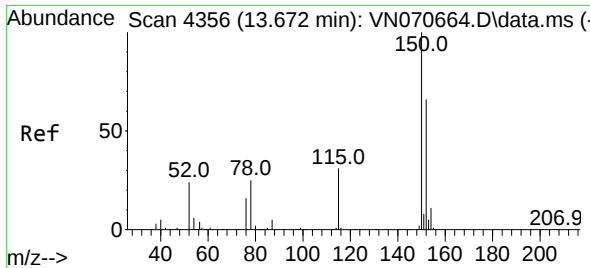
Tgt Ion: 95 Resp: 580893
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 71.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion: 117 Resp: 1316841
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 31.9 25.4 38.2

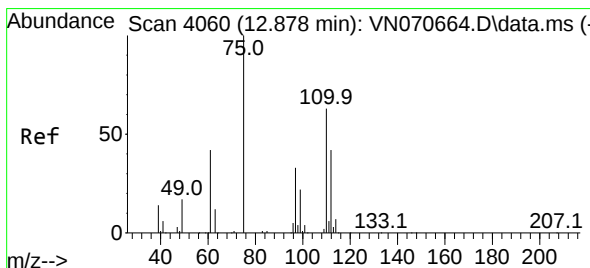
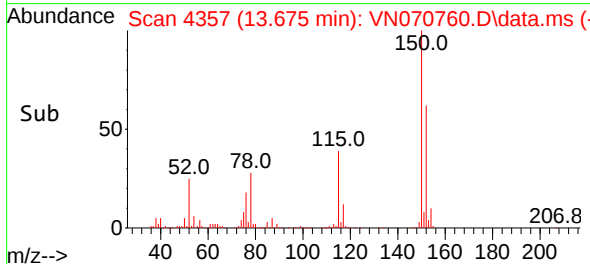
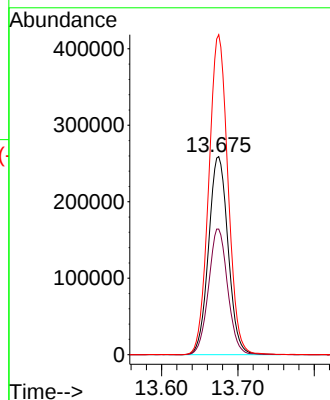
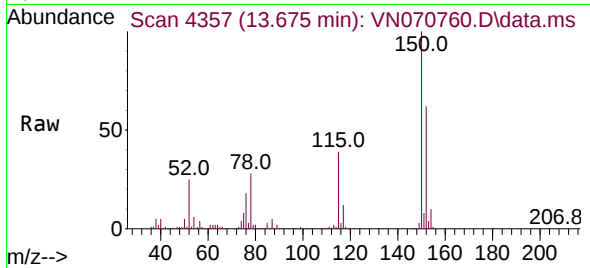




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070760.D
 Acq: 24 Jan 2022 17:10

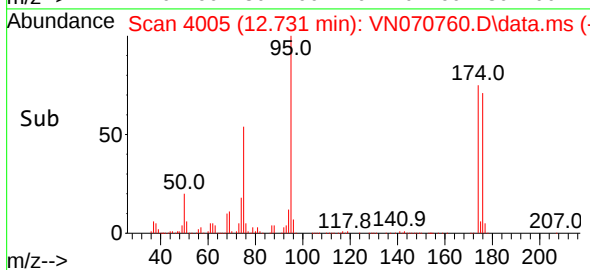
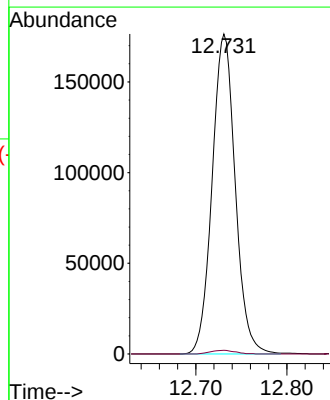
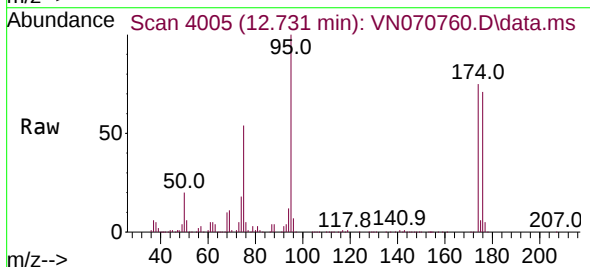
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

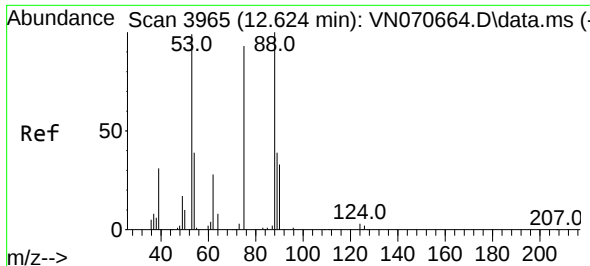
Tgt Ion:152 Resp: 460306
 Ion Ratio Lower Upper
 152 100
 115 62.2 27.5 82.5
 150 159.0 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 25.421 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070760.D
 Acq: 24 Jan 2022 17:10

Tgt Ion: 75 Resp: 310357
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

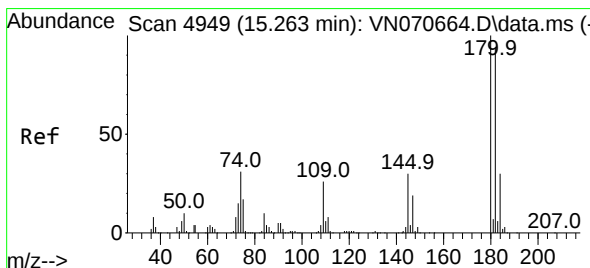
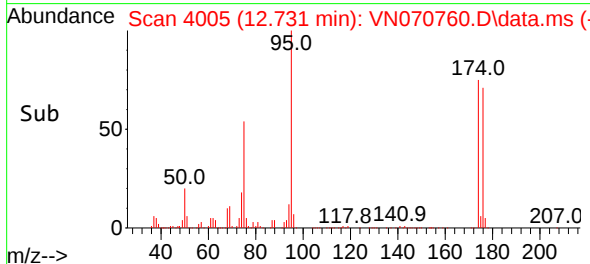
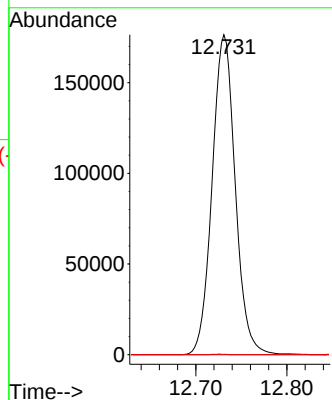
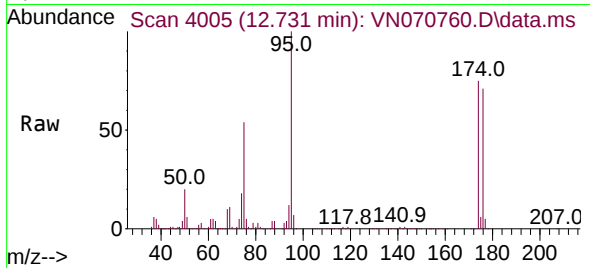




#81
trans-1,4-Dichloro-2-butene
Concen: 75.734 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

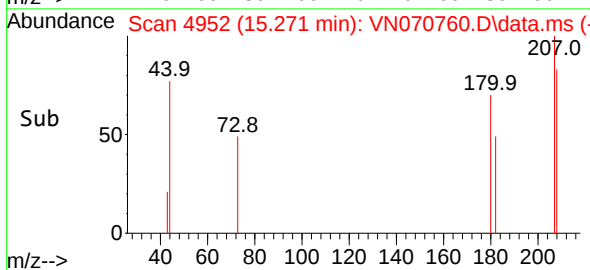
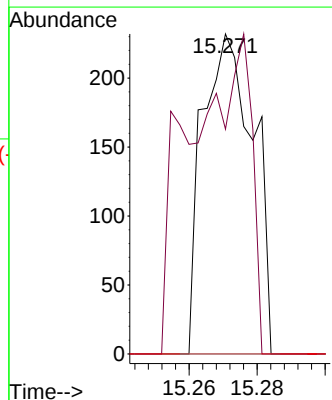
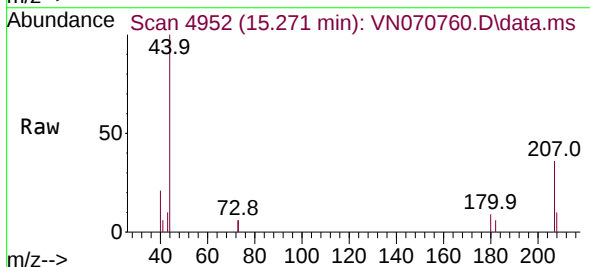
Instrument :
MSVOA_N
ClientSampleId :
TP-2

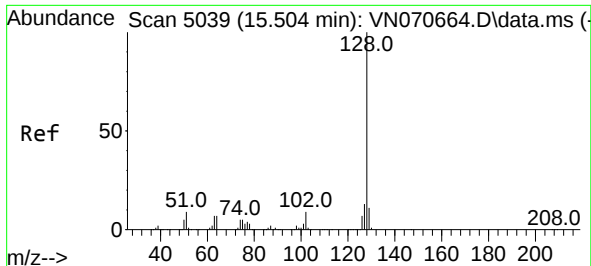
Tgt Ion: 75 Resp: 310357
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.451 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.008 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 32.9 48.3 144.9#
145 0.0 14.5 43.5#





#95
Naphthalene
Concen: 4.986 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

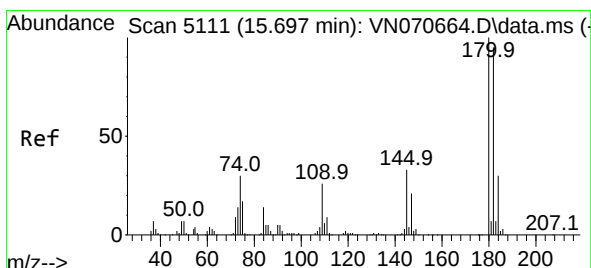
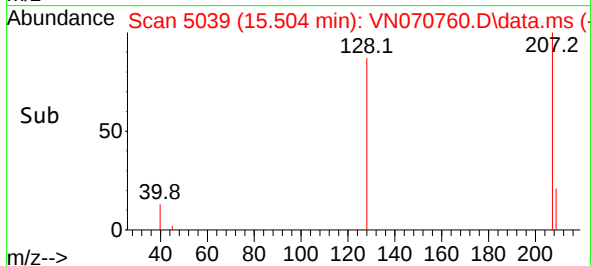
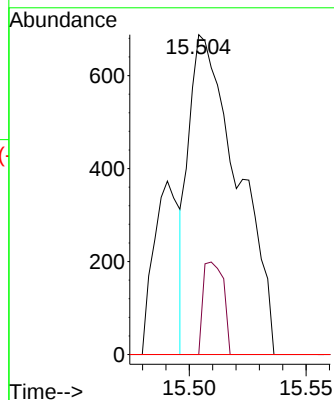
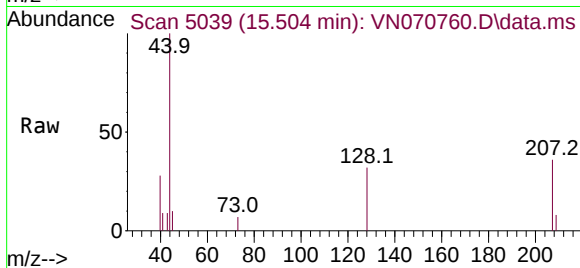
Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tgt Ion:128 Resp: 1004
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.226 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.003 min
Lab File: VN070760.D
Acq: 24 Jan 2022 17:10

Tgt Ion:180 Resp: 84
Ion Ratio Lower Upper
180 100
182 286.9 47.4 142.2#
145 0.0 15.0 45.1#

