

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110222\
 Data File : VN075121.D
 Acq On : 02 Nov 2022 16:52
 Operator : JC\MD
 Sample : N5396-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-I

Quant Time: Nov 03 04:20:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

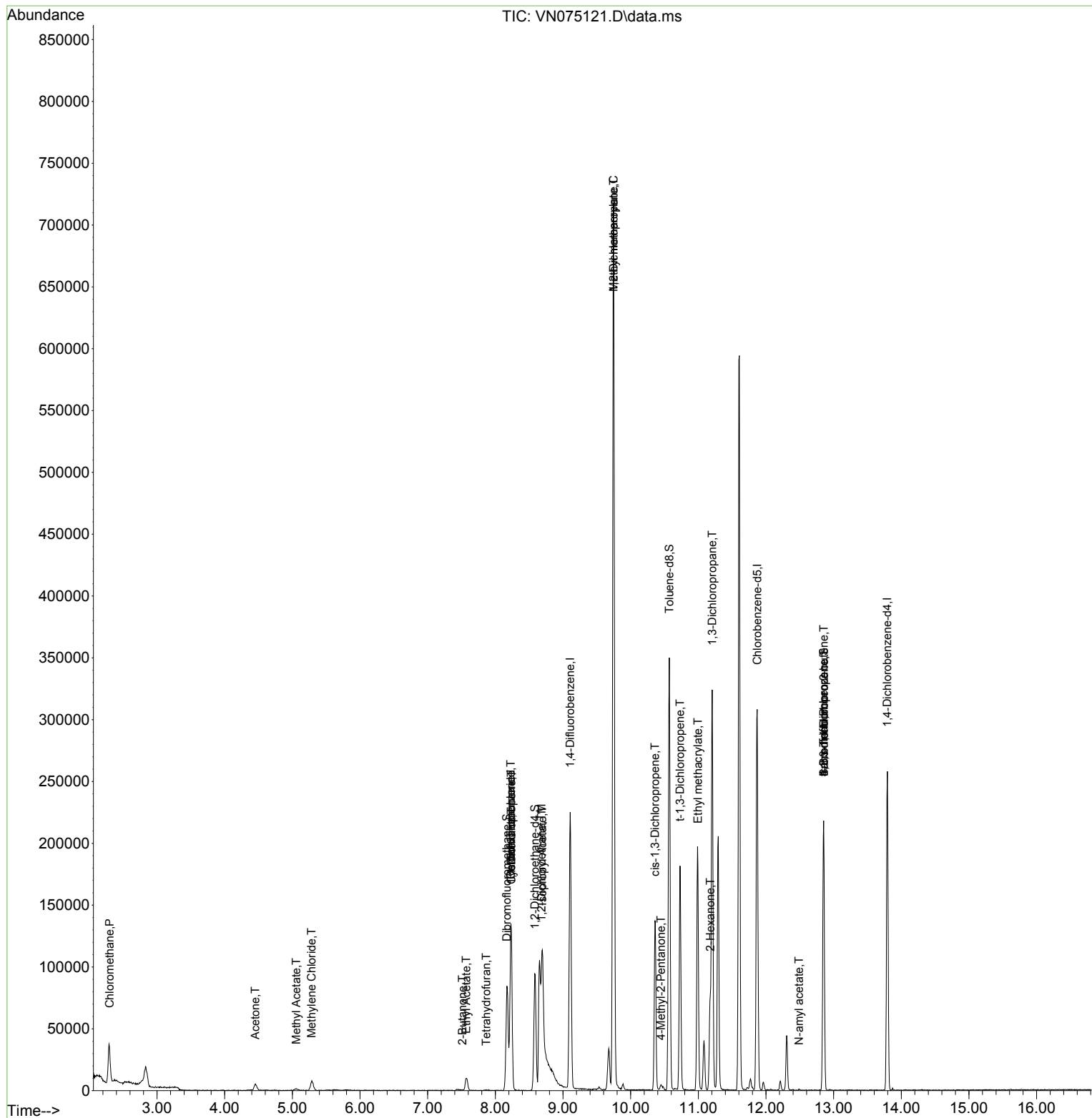
Internal Standards						
1) Pentafluorobenzene	8.230	168	94716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	191303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	179574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	66775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	79242	62.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.180%			
35) Dibromofluoromethane	8.171	113	60036	53.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.571	98	236690	54.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.640%			
62) 4-Bromofluorobenzene	12.853	95	75266	49.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.360%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	966	0.738	ug/l #	42
5) Bromomethane	2.859	94	54	Below Cal	#	5
16) Acetone	4.453	43	10204	18.883	ug/l	98
18) Methyl Acetate	5.059	43	3179	1.801	ug/l #	73
20) Methylene Chloride	5.283	84	6325	5.250	ug/l #	77
25) 2-Butanone	7.512	43	1225	1.441	ug/l #	43
29) Tetrahydrofuran	7.865	42	230	0.419	ug/l #	26
31) Cyclohexane	8.235	56	2459	1.296	ug/l #	39
36) 1,1-Dichloropropene	8.235	75	8332	4.792	ug/l #	51
37) Ethyl Acetate	7.571	43	15726	8.247	ug/l	95
38) Carbon Tetrachloride	8.230	117	10727	5.609	ug/l #	17
42) 1,2-Dichloroethane	8.682	62	516	0.266	ug/l #	75
43) Isopropyl Acetate	8.694	43	136860	46.273	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	904	0.714	ug/l #	42
48) Methyl methacrylate	9.747	41	65227	48.077	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	5829	3.054	ug/l #	59
53) t-1,3-Dichloropropene	10.729	75	465	0.230	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	26163	12.227	ug/l #	65
56) Ethyl methacrylate	10.994	69	626	0.291	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3290	1.400	ug/l #	42
59) 2-Hexanone	11.176	43	53470	36.913	ug/l #	21
71) Bromoform	12.853	173	580	0.545	ug/l #	1
74) N-amyl acetate	12.488	43	525	0.265	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	41829	29.503	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41829	75.733	ug/l #	10

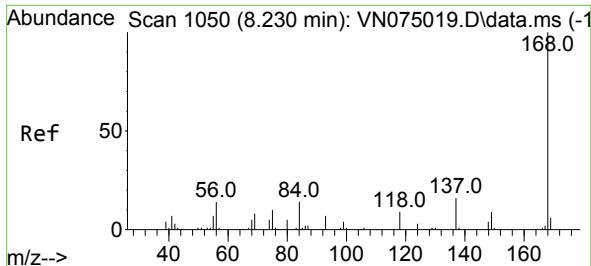
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration

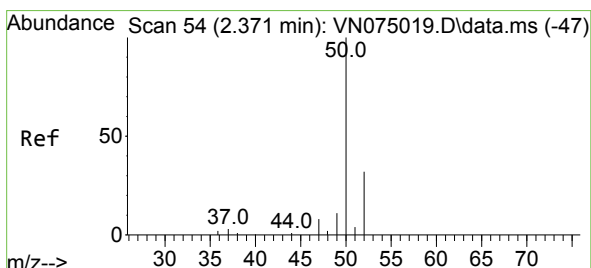
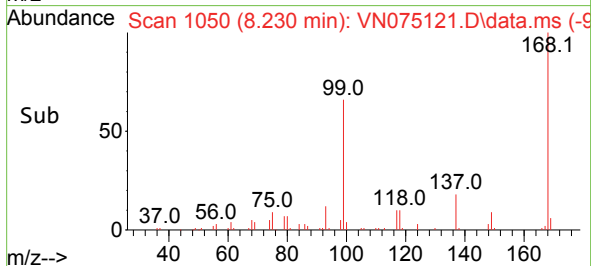
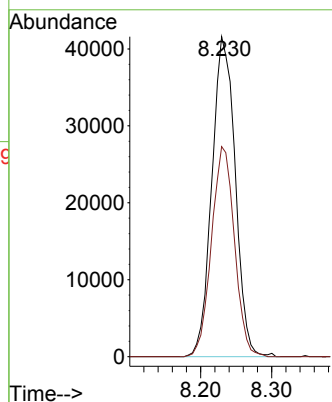
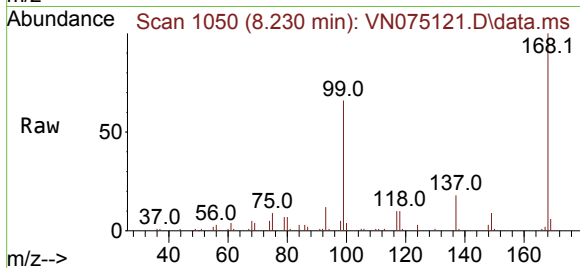




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

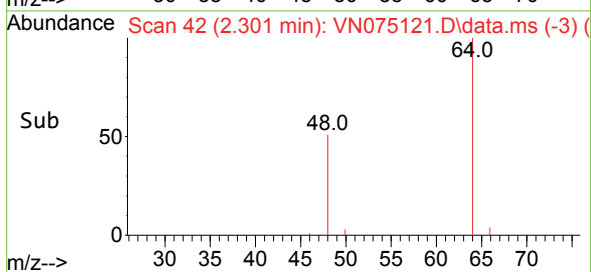
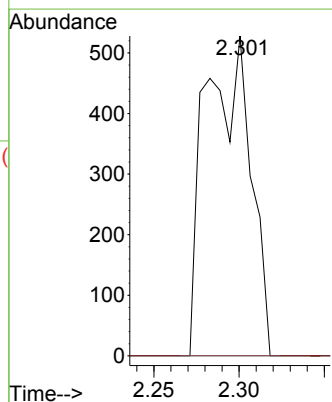
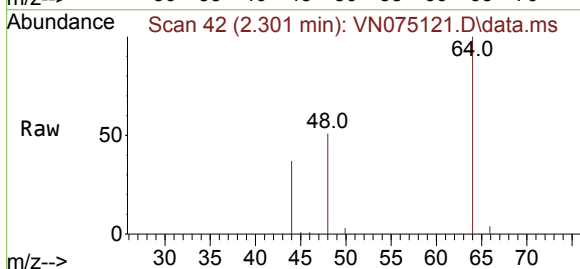
Instrument :
MSVOA_N
ClientSampleId :
TP-I

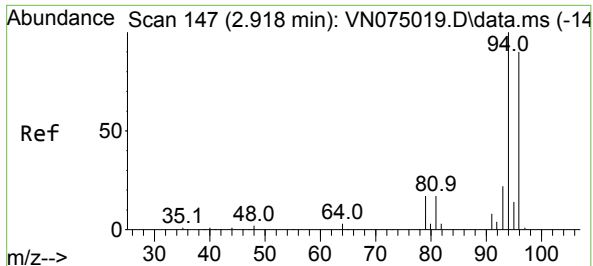
Tgt Ion:168 Resp: 94716
Ion Ratio Lower Upper
168 100
99 65.6 51.6 77.4



#3
Chloromethane
Concen: 0.738 ug/l
RT: 2.301 min Scan# 42
Delta R.T. -0.070 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 50 Resp: 966
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

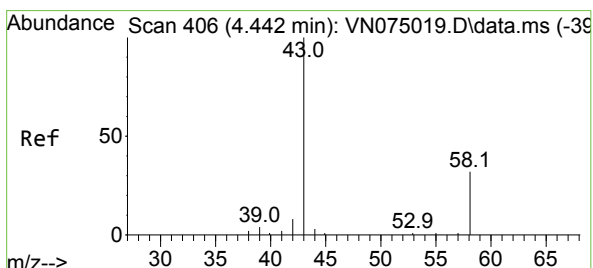
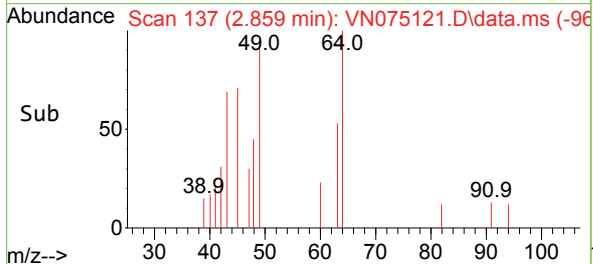
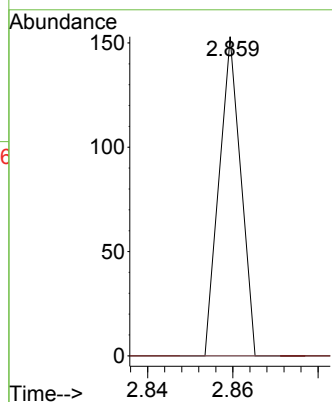
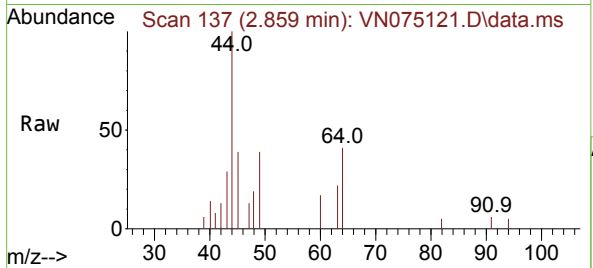




#5
Bromomethane
Concen: Below Cal
RT: 2.859 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

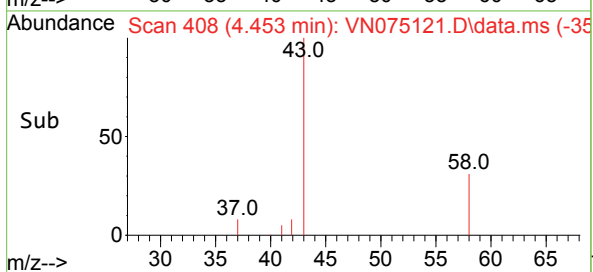
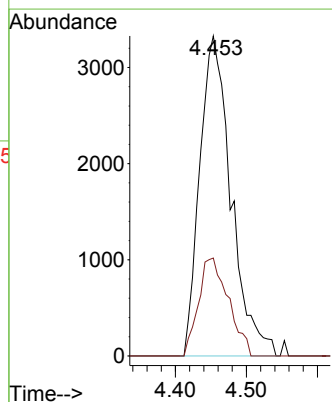
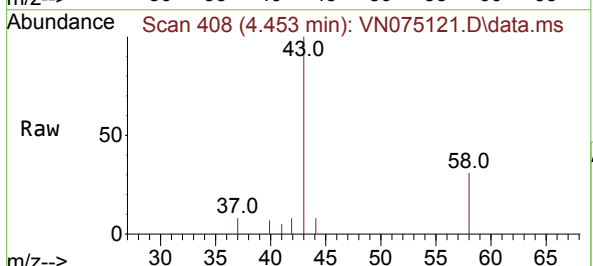
Instrument :
MSVOA_N
ClientSampleId :
TP-I

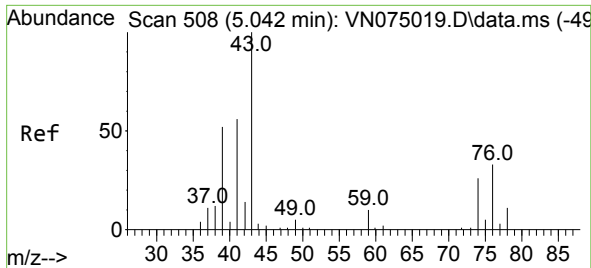
Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



#16
Acetone
Concen: 18.883 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 43 Resp: 10204
Ion Ratio Lower Upper
43 100
58 30.6 25.5 38.3

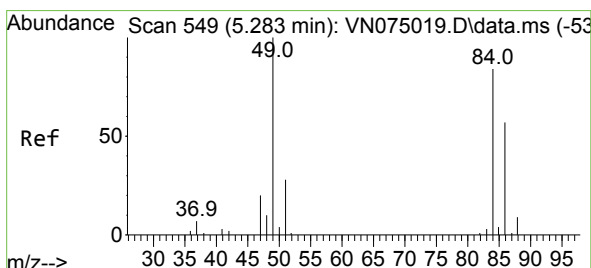
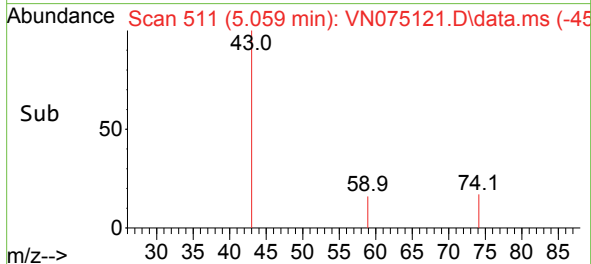
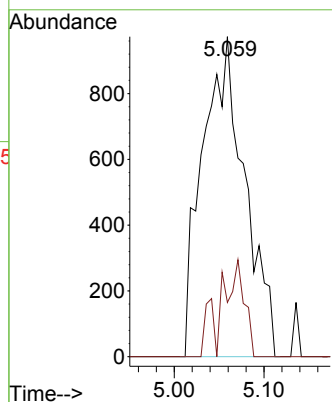
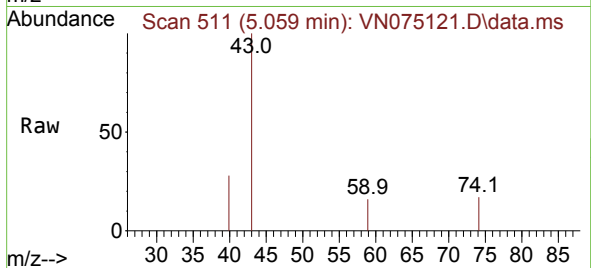




#18
Methyl Acetate
Concen: 1.801 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.017 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

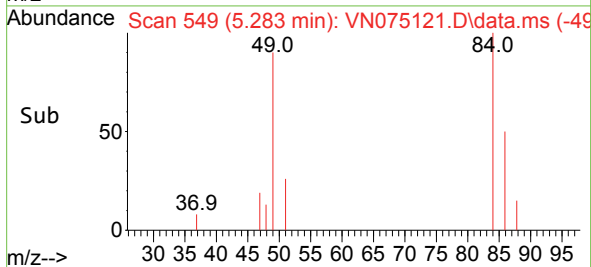
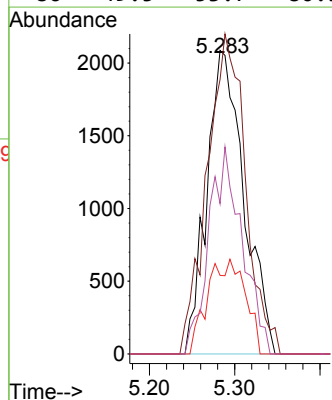
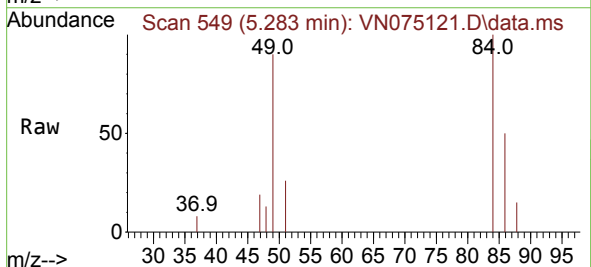
Instrument :
MSVOA_N
ClientSampleId :
TP-I

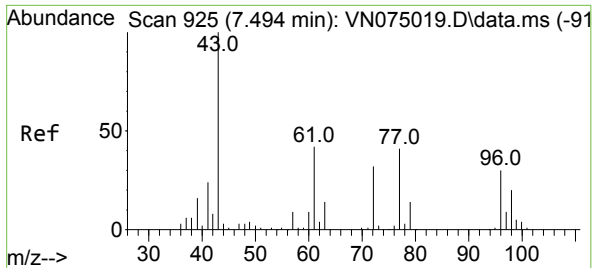
Tgt Ion: 43 Resp: 3179
Ion Ratio Lower Upper
43 100
74 13.6 22.0 33.0#



#20
Methylene Chloride
Concen: 5.250 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 84 Resp: 6325
Ion Ratio Lower Upper
84 100
49 90.4 94.9 142.3#
51 25.9 26.8 40.2#
86 49.5 53.7 80.5#

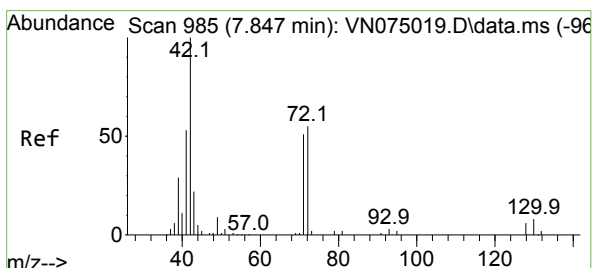
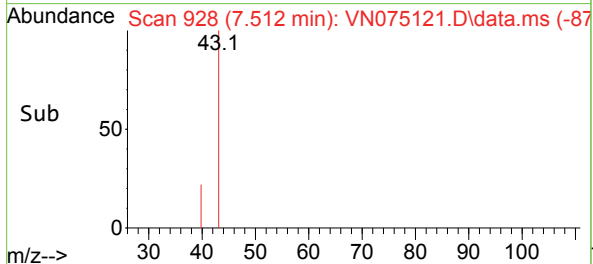
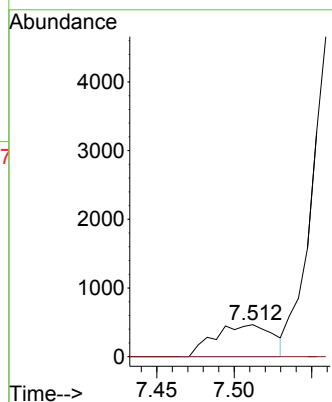
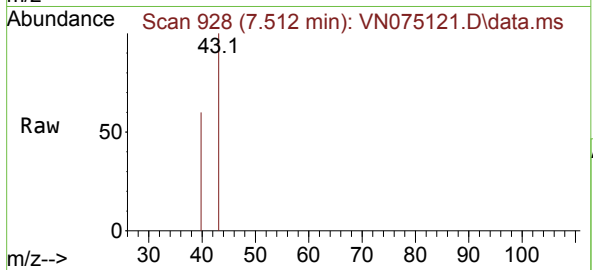




#25
2-Butanone
Concen: 1.441 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

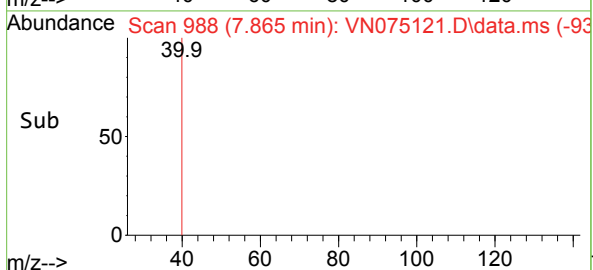
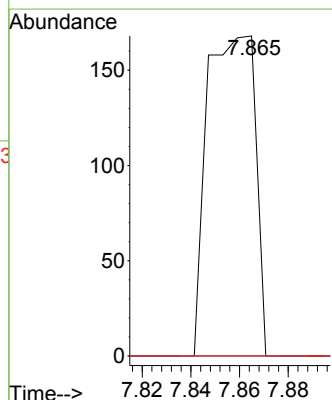
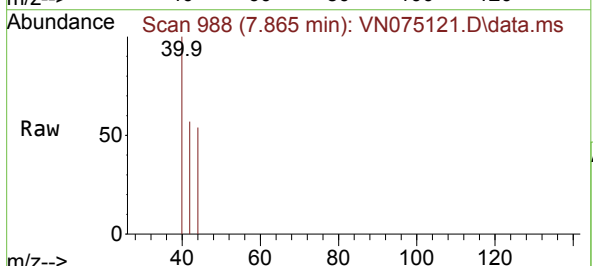
Instrument :
MSVOA_N
ClientSampleId :
TP-I

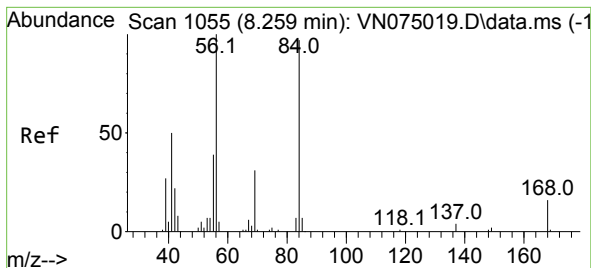
Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#29
Tetrahydrofuran
Concen: 0.419 ug/l
RT: 7.865 min Scan# 988
Delta R.T. 0.018 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#





#31

Cyclohexane

Concen: 1.296 ug/l

RT: 8.235 min Scan# 1105

Delta R.T. -0.024 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

TP-I

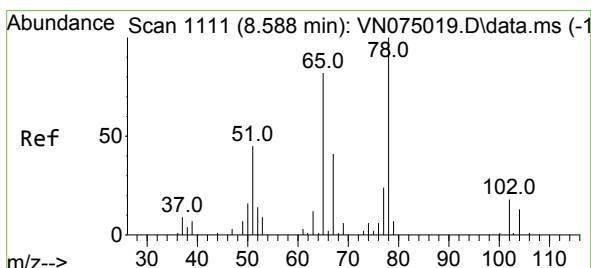
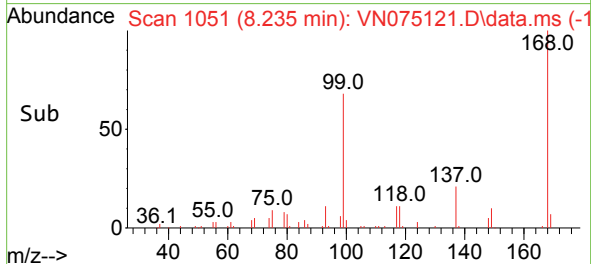
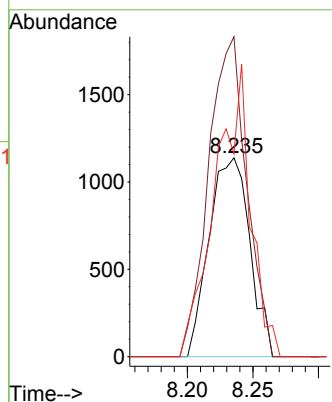
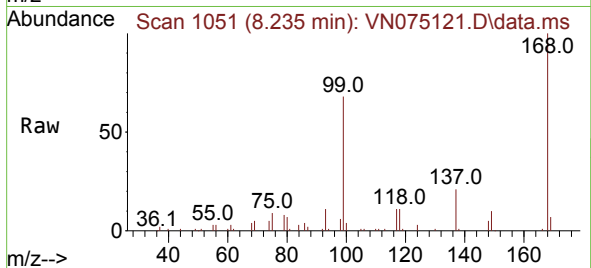
Tgt Ion: 56 Resp: 2459

Ion Ratio Lower Upper

56 100

69 160.8 25.2 37.8#

84 102.0 77.8 116.8



#33

1,2-Dichloroethane-d4

Concen: 62.093 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075121.D

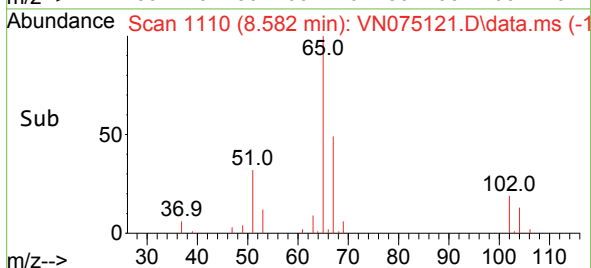
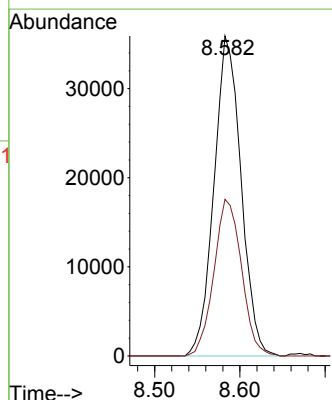
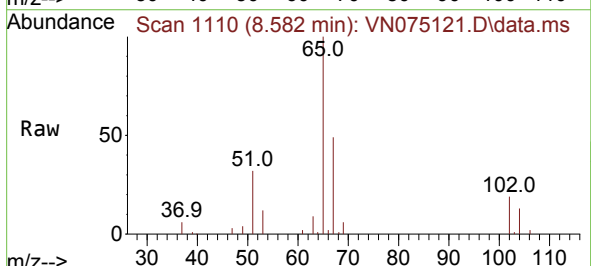
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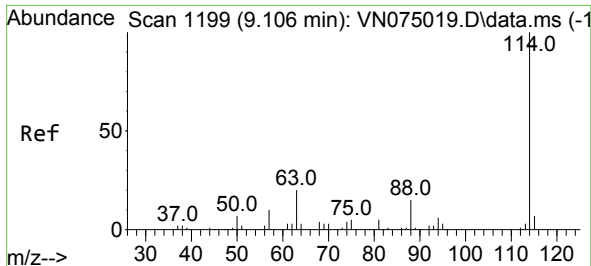
Tgt Ion: 65 Resp: 79242

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

TP-I

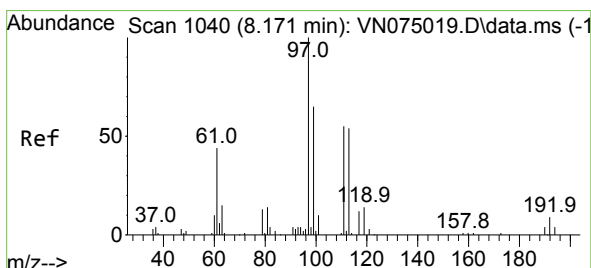
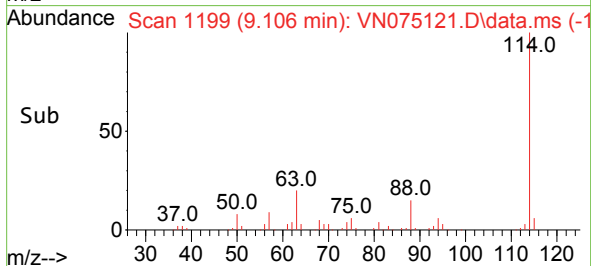
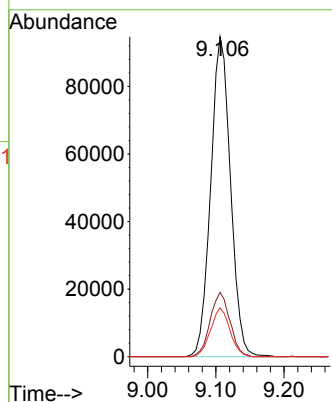
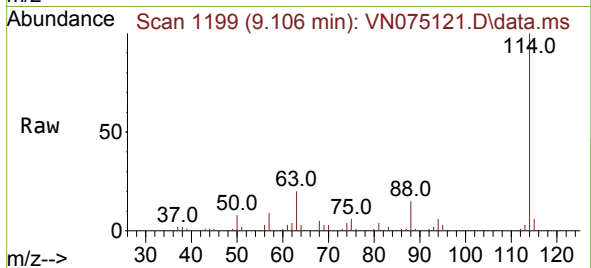
Tgt Ion:114 Resp: 191303

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 53.458 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

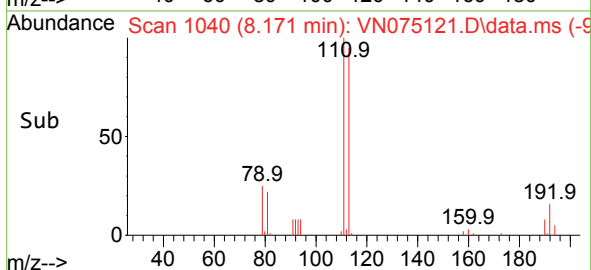
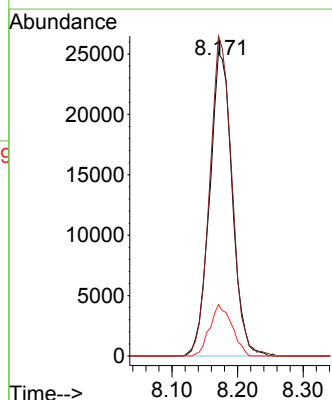
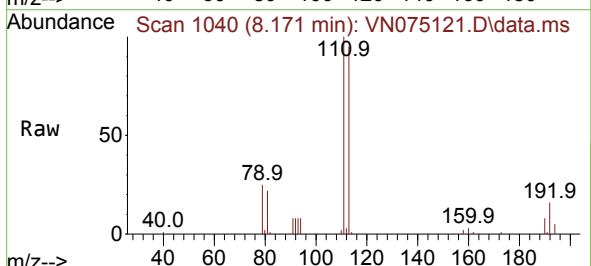
Tgt Ion:113 Resp: 60036

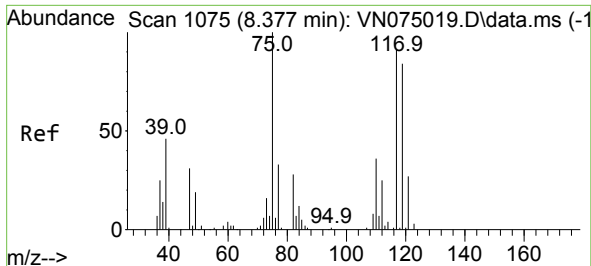
Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 16.6 13.2 19.8

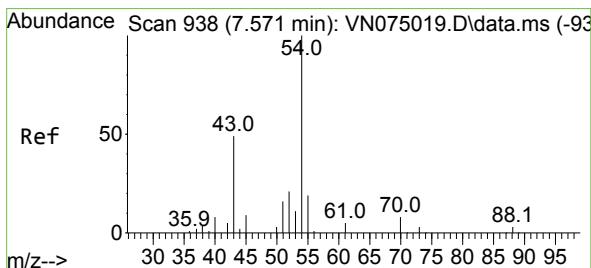
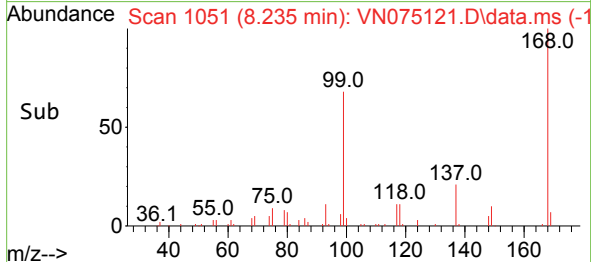
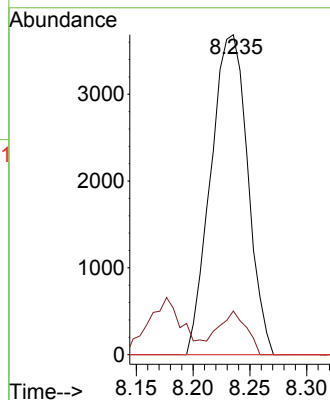
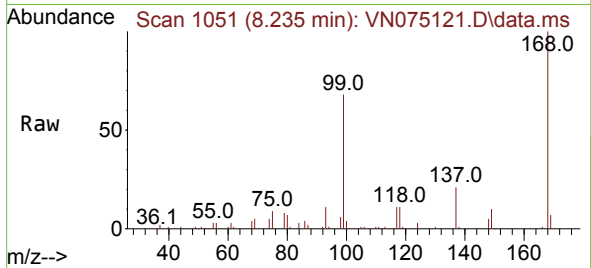




#36
1,1-Dichloropropene
Concen: 4.792 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.142 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

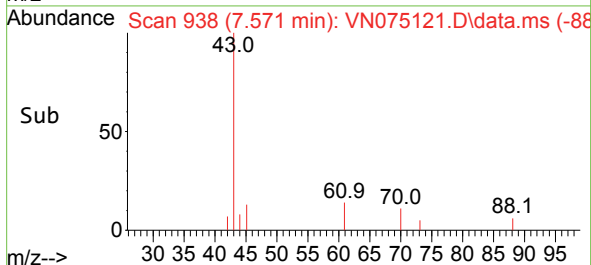
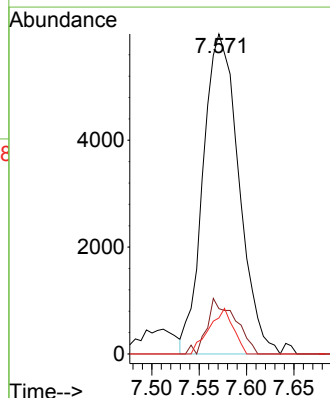
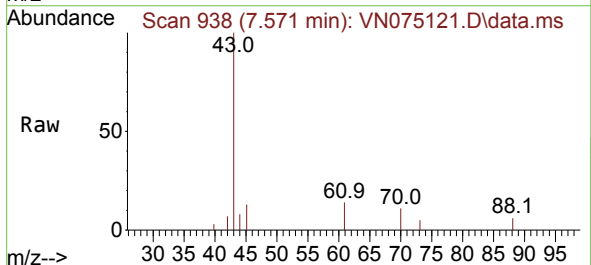
Instrument :
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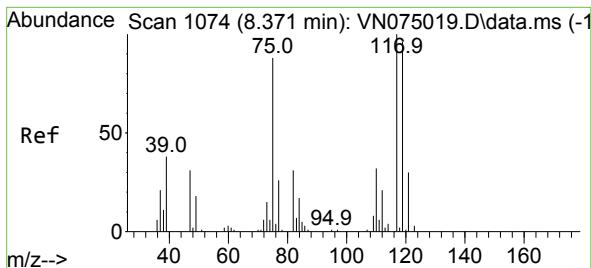
Tgt Ion: 75 Resp: 8332
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 8.247 ug/l
RT: 7.571 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 43 Resp: 15726
Ion Ratio Lower Upper
43 100
61 13.7 12.2 18.4
70 9.6 9.4 14.2





#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.141 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

TP-I

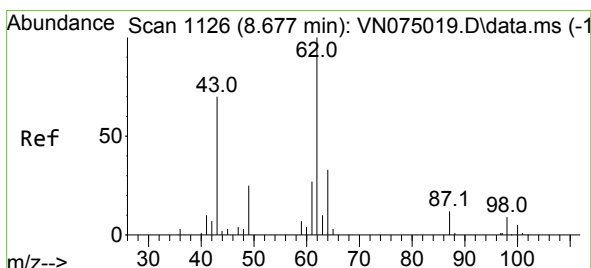
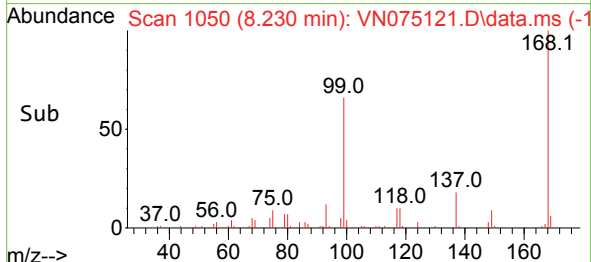
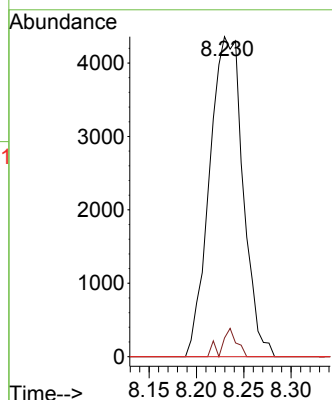
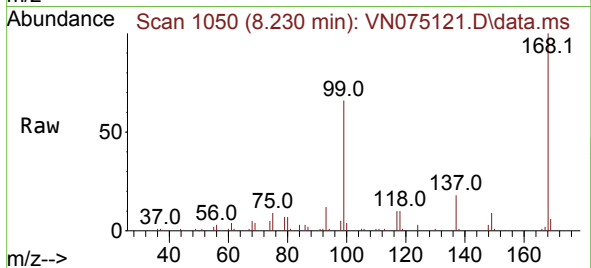
Tgt Ion:117 Resp: 10727

Ion Ratio Lower Upper

117 100

119 5.8 76.7 115.1#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN075121.D

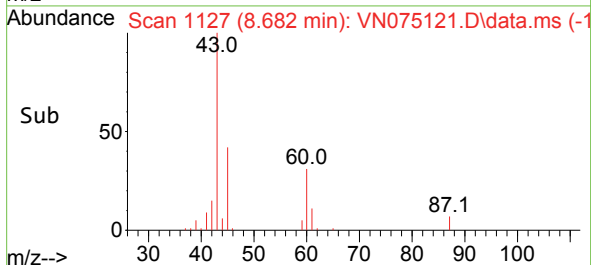
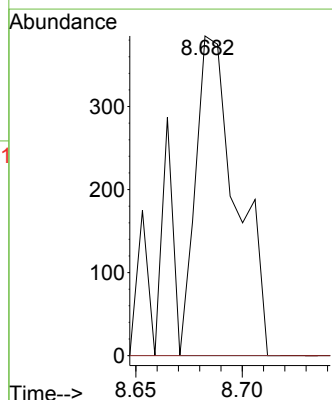
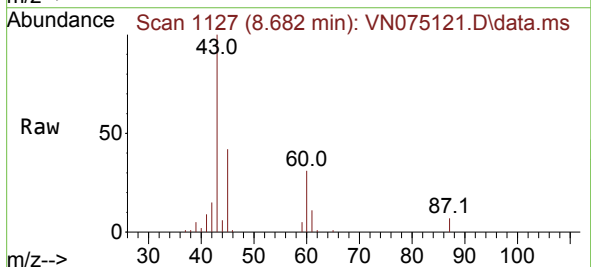
Acq: 02 Nov 2022 16:52

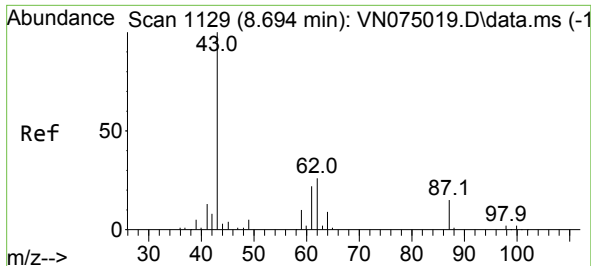
Tgt Ion: 62 Resp: 516

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2

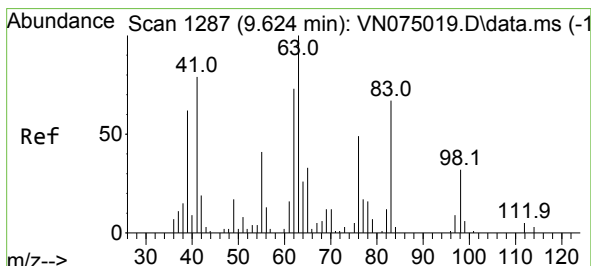
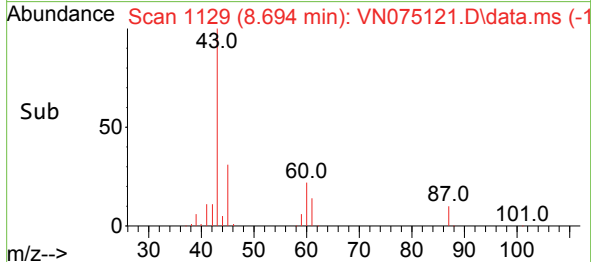
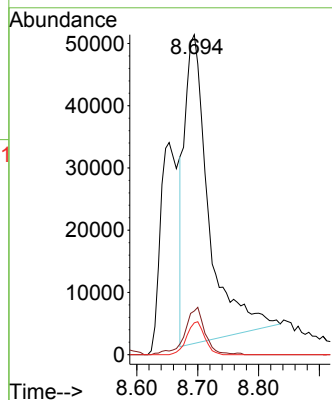
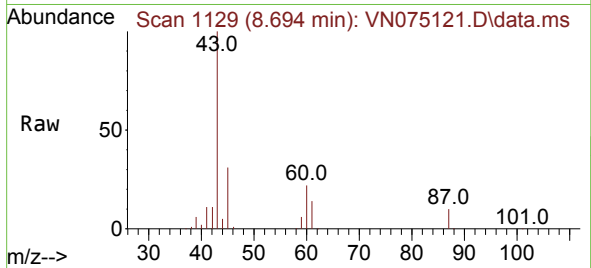




#43
Isopropyl Acetate
Concen: 46.273 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

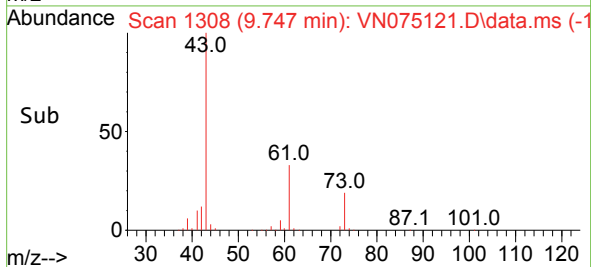
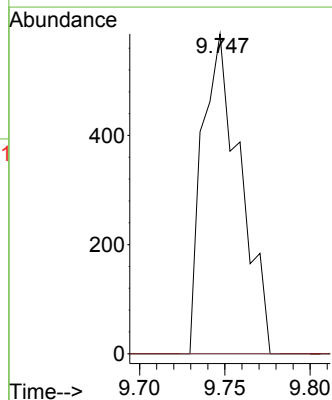
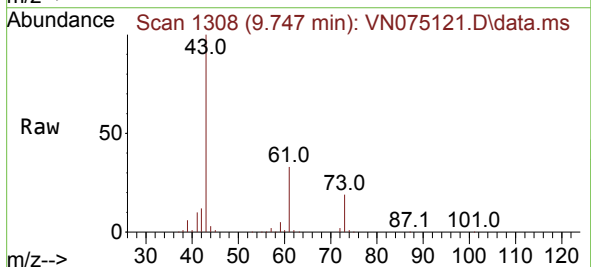
Instrument :
MSVOA_N
ClientSampleId :
TP-I

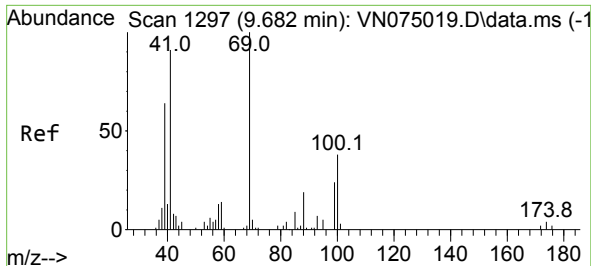
Tgt Ion: 43 Resp: 136860
Ion Ratio Lower Upper
43 100
61 12.7 22.4 33.6#
87 7.9 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.714 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 63 Resp: 904
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 48.077 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

TP-I

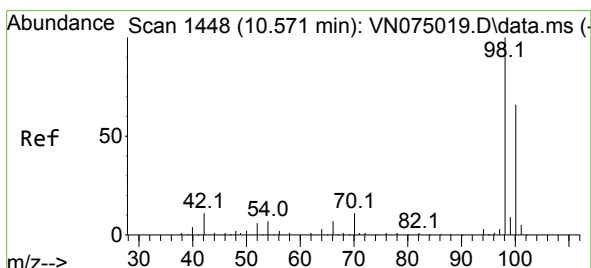
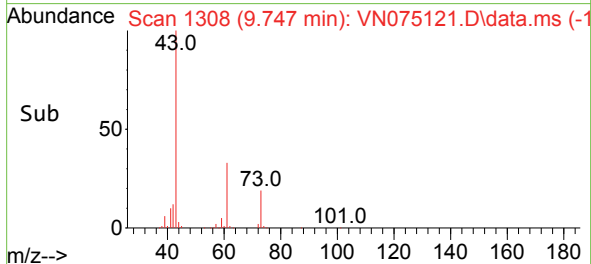
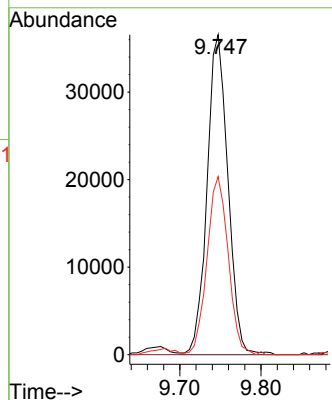
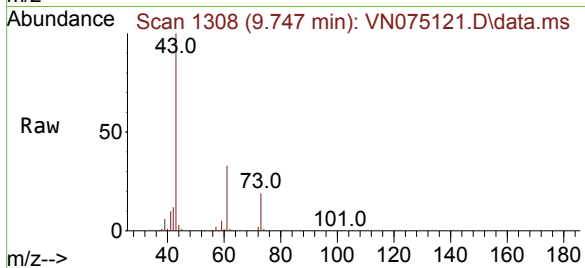
Tgt Ion: 41 Resp: 65227

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.4 56.2 84.2



#50

Toluene-d8

Concen: 54.323 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075121.D

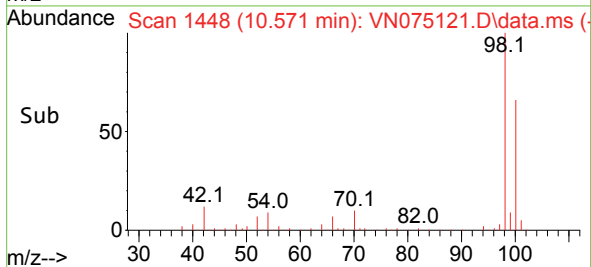
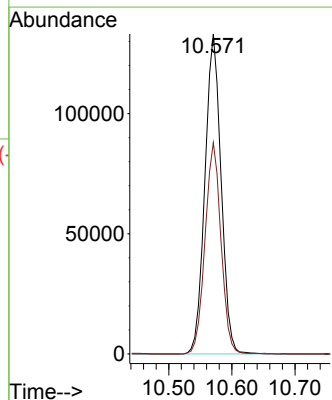
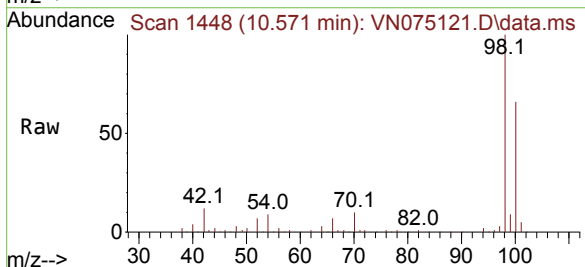
Acq: 02 Nov 2022 16:52

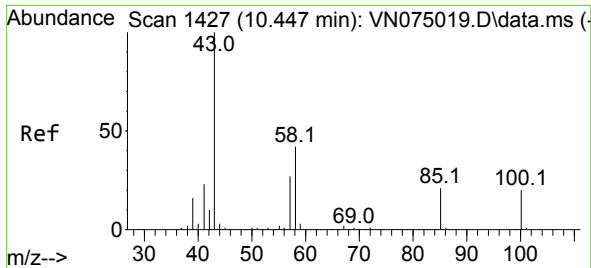
Tgt Ion: 98 Resp: 236690

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6

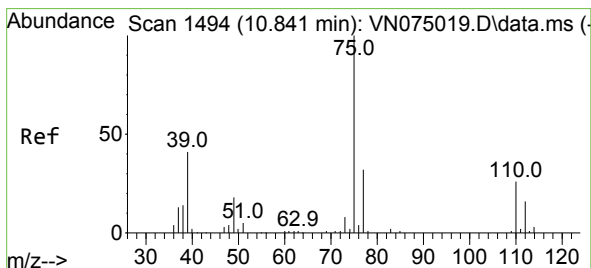
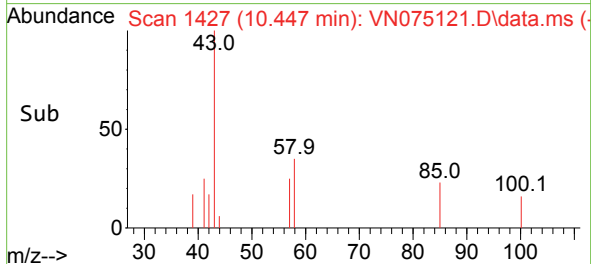
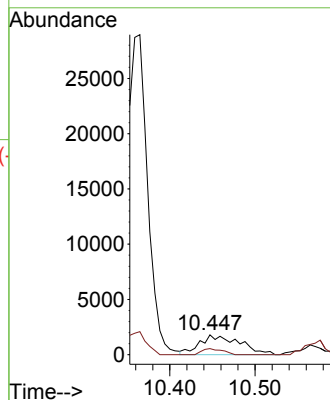
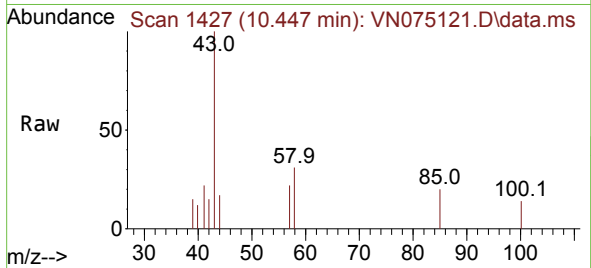




#51
4-Methyl-2-Pentanone
Concen: 3.054 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

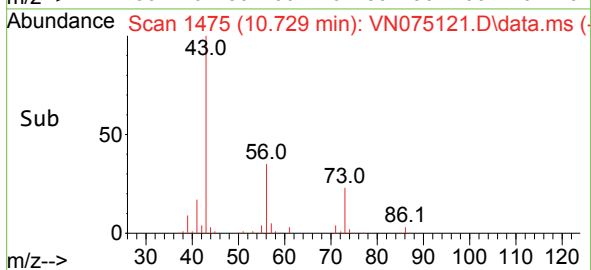
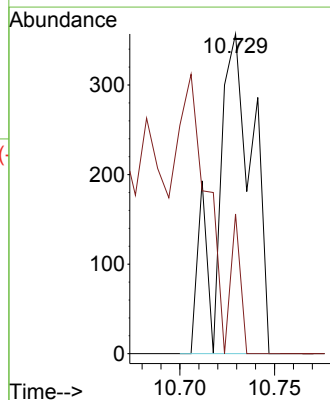
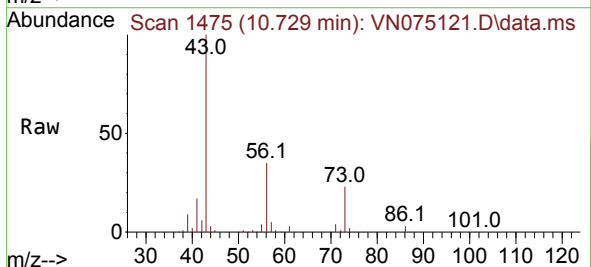
Instrument :
MSVOA_N
ClientSampleId :
TP-I

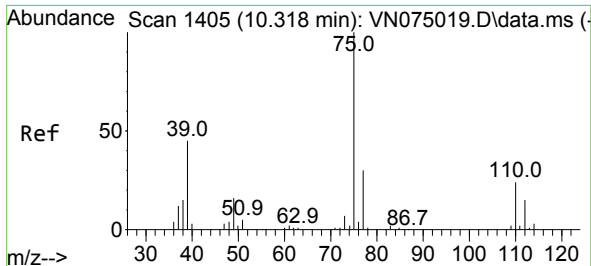
Tgt Ion: 43 Resp: 5829
Ion Ratio Lower Upper
43 100
58 15.9 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.230 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 75 Resp: 465
Ion Ratio Lower Upper
75 100
77 43.7 25.4 38.2#

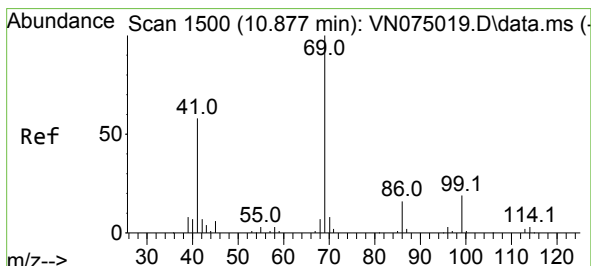
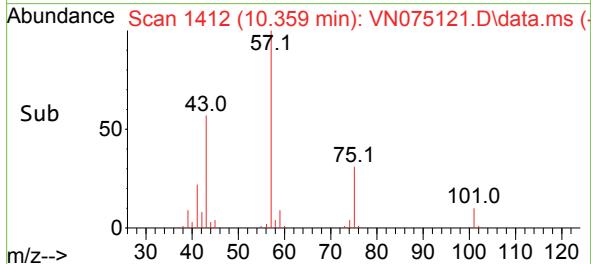
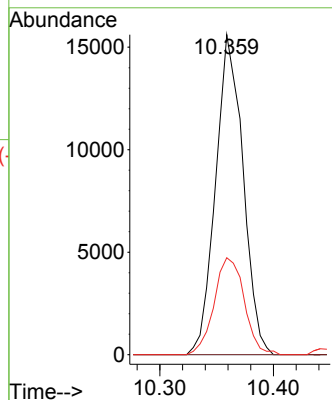
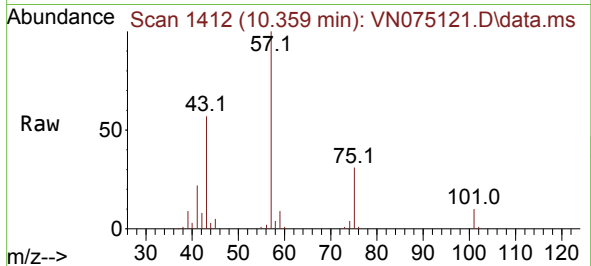




#54
 cis-1,3-Dichloropropene
 Concen: 12.227 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075121.D
 Acq: 02 Nov 2022 16:52

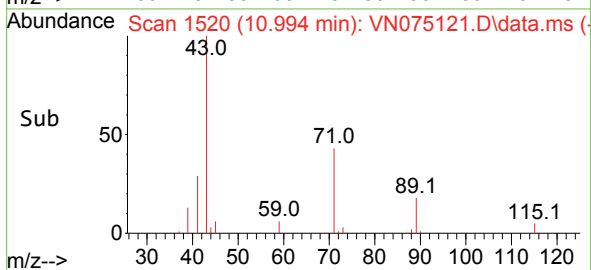
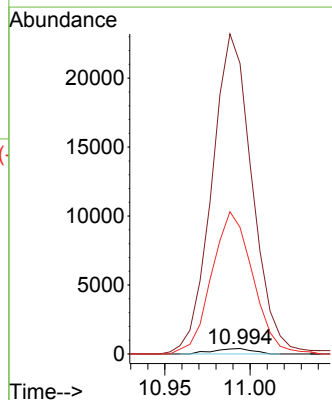
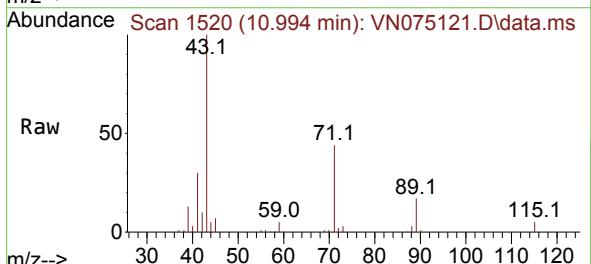
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-I

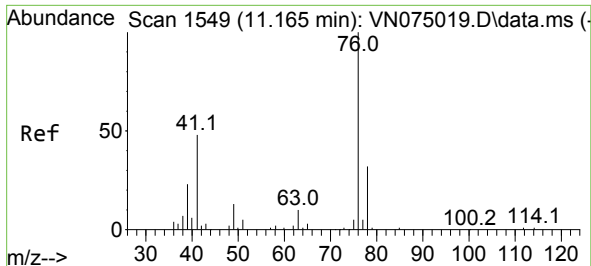
Tgt Ion: 75 Resp: 26163
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 30.3 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.291 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN075121.D
 Acq: 02 Nov 2022 16:52

Tgt Ion: 69 Resp: 626
 Ion Ratio Lower Upper
 69 100
 41 6152.2 45.6 68.4#
 39 2776.2 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.400 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

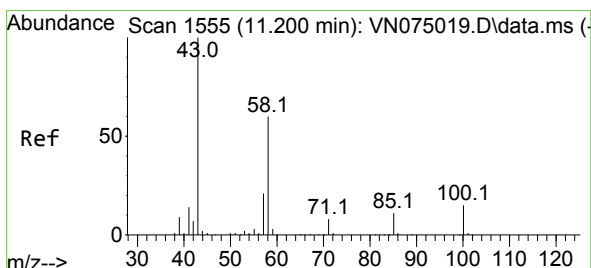
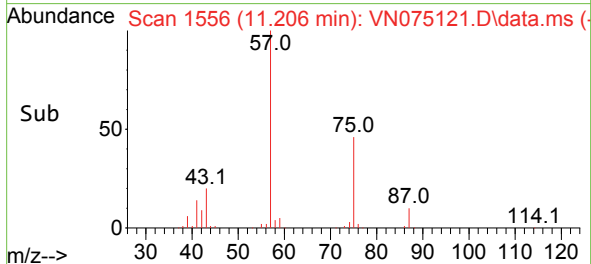
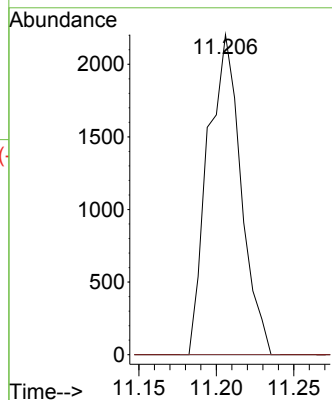
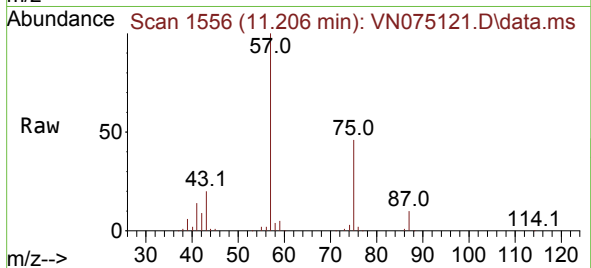
TP-I

Tgt Ion: 76 Resp: 3290

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.913 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.024 min

Lab File: VN075121.D

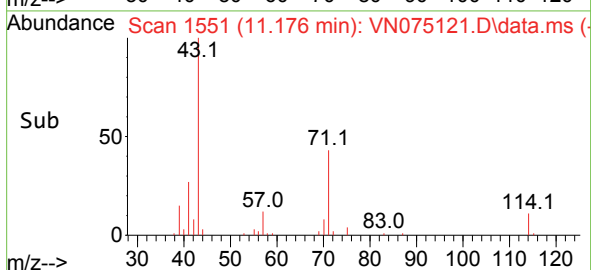
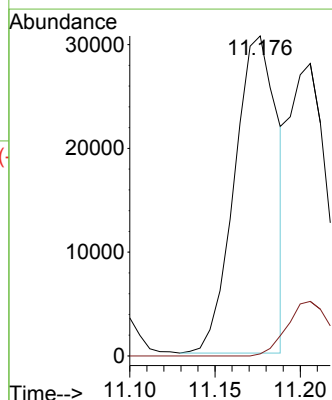
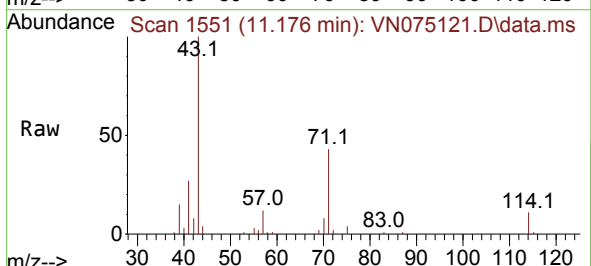
Acq: 02 Nov 2022 16:52

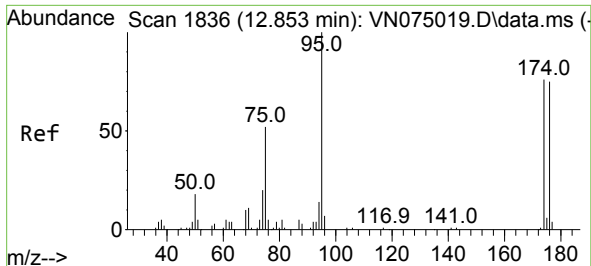
Tgt Ion: 43 Resp: 53470

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

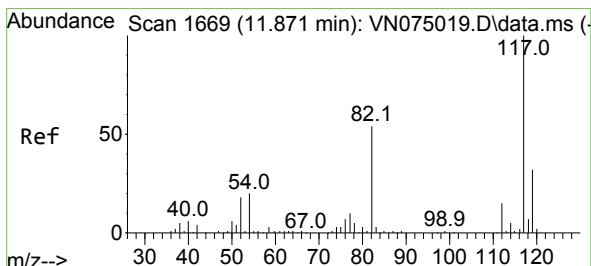
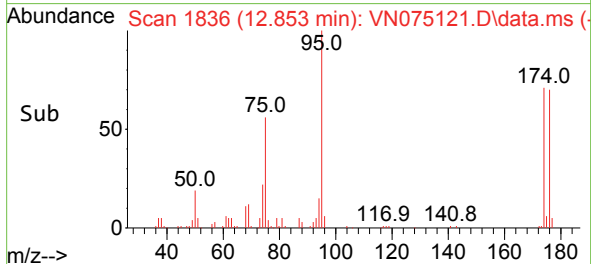
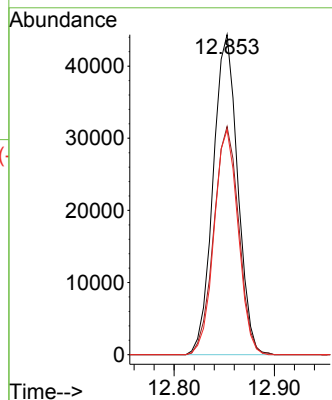
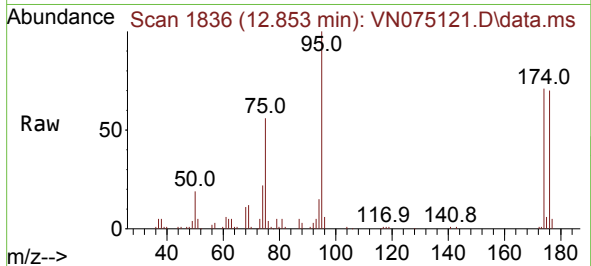




#62
4-Bromofluorobenzene
Concen: 49.175 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

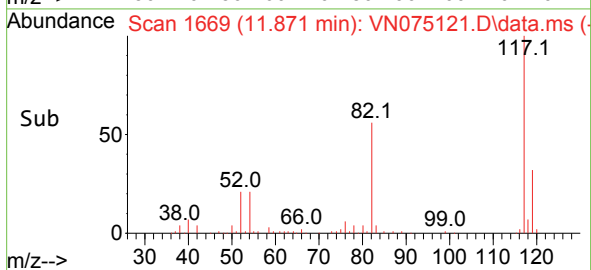
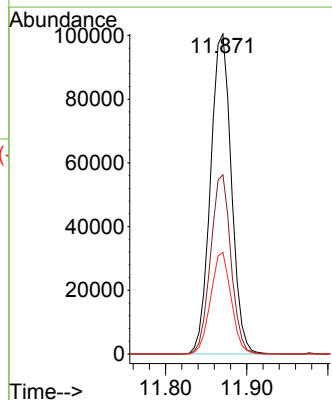
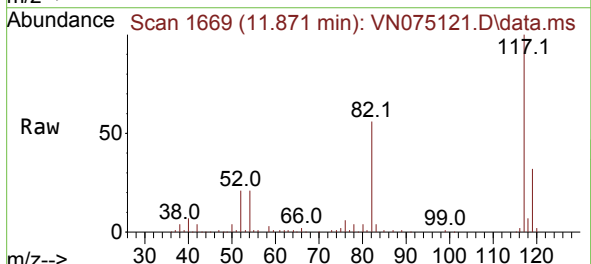
Instrument :
MSVOA_N
ClientSampleId :
TP-I

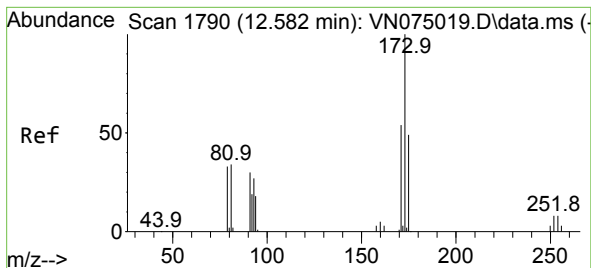
Tgt Ion: 95 Resp: 75266
Ion Ratio Lower Upper
95 100
174 72.7 0.0 147.4
176 68.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 117 Resp: 179574
Ion Ratio Lower Upper
117 100
82 56.0 43.1 64.7
119 31.7 25.5 38.3





#71

Bromoform

Concen: 0.545 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

TP-I

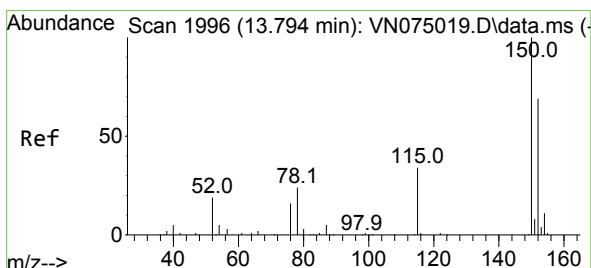
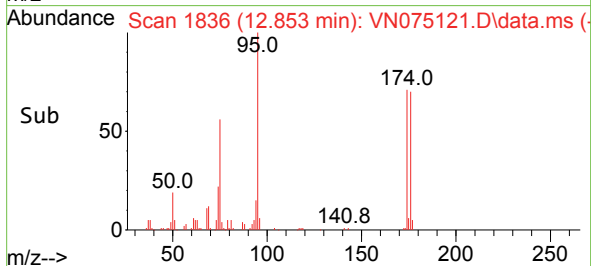
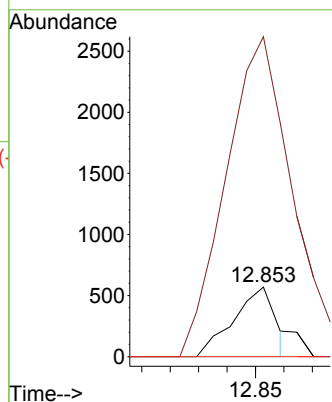
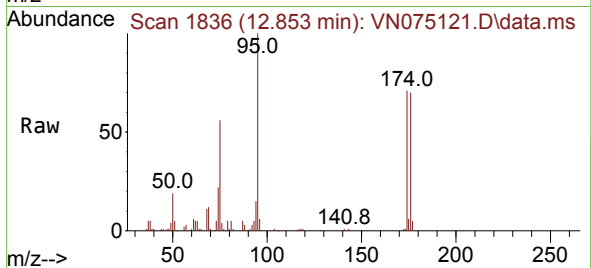
Tgt Ion:173 Resp: 580

Ion Ratio Lower Upper

173 100

175 598.8 24.6 74.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN075121.D

Acq: 02 Nov 2022 16:52

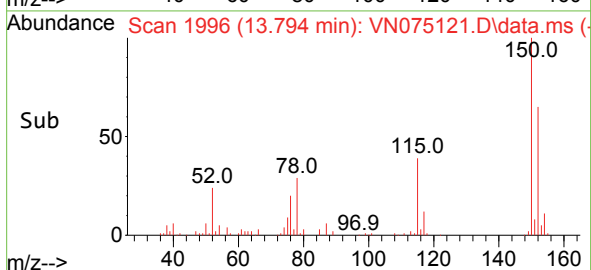
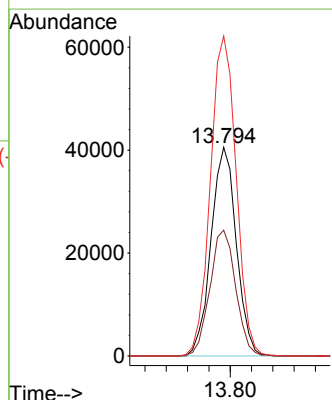
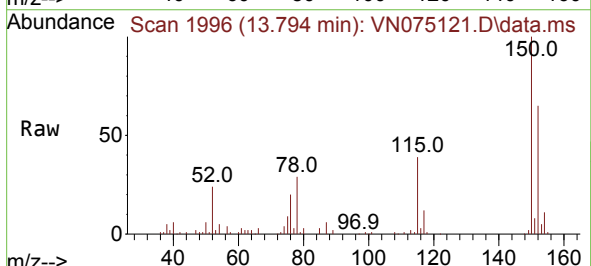
Tgt Ion:152 Resp: 66775

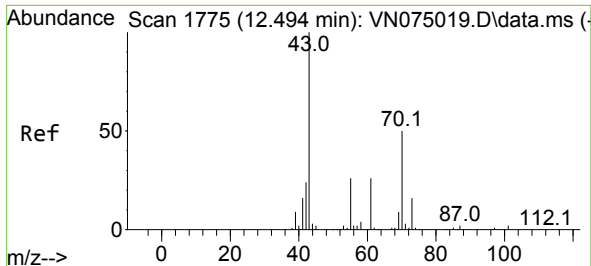
Ion Ratio Lower Upper

152 100

115 61.5 30.2 90.6

150 156.2 0.0 348.4

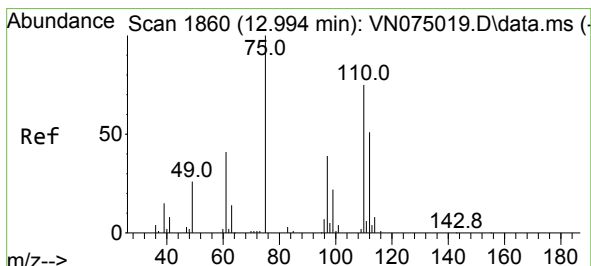
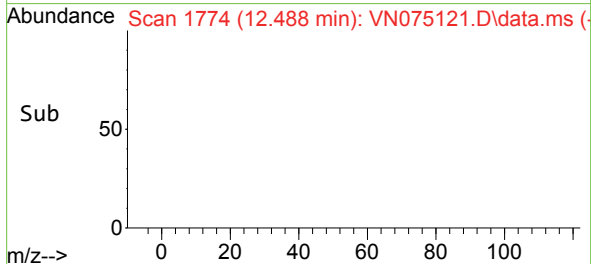
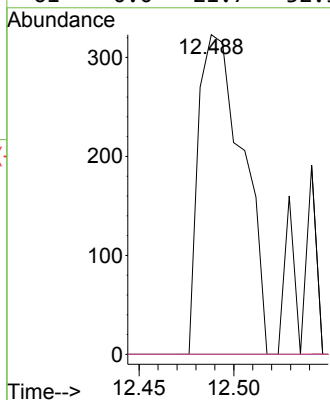
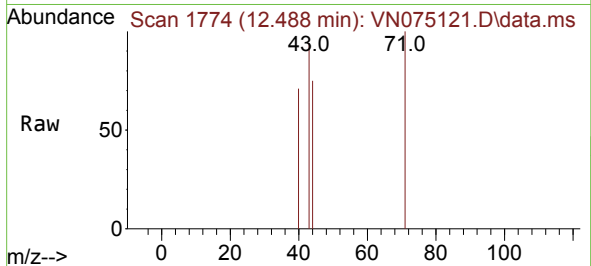




#74
N-amy1 acetate
Concen: 0.265 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

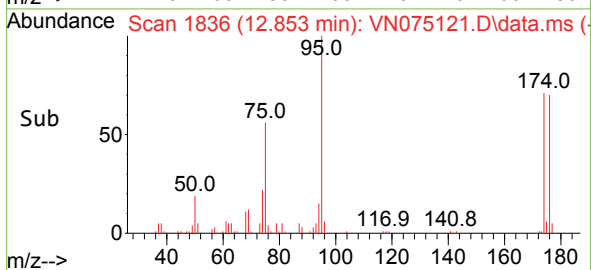
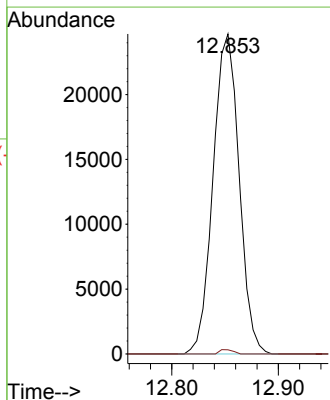
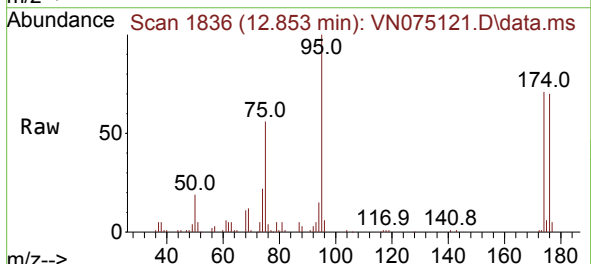
Instrument :
MSVOA_N
ClientSampleId :
TP-I

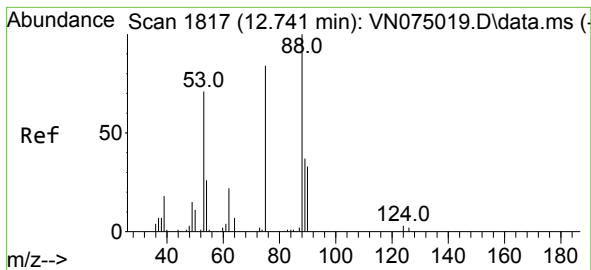
Tgt Ion: 43	Resp:	525
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 29.503 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075121.D
Acq: 02 Nov 2022 16:52

Tgt Ion: 75	Resp:	41829
Ion	Ratio	Lower Upper
75	100	
77	0.7	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.733 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075121.D
 Acq: 02 Nov 2022 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-I

Tgt Ion: 75 Resp: 41829
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

