

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079457.D
 Acq On : 06 Oct 2023 19:08
 Operator : JC\MD
 Sample : 04765-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:08:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

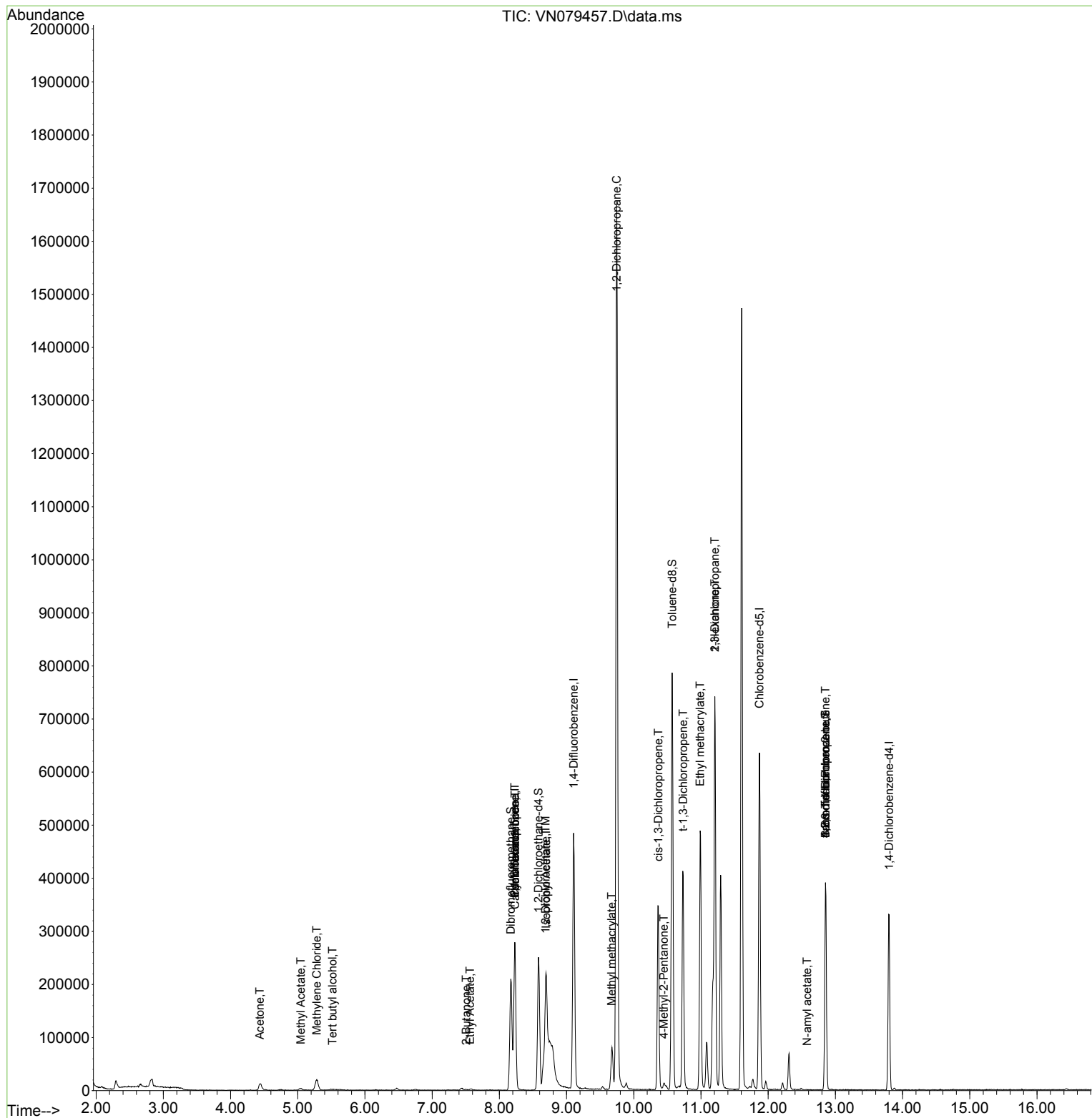
Internal Standards						
1) Pentafluorobenzene	8.230	168	188346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	396886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	350976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	85582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	200027	65.499	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 131.000%#	
35) Dibromofluoromethane	8.171	113	148824	52.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.360%	
50) Toluene-d8	10.571	98	519719	50.361	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.853	95	129562	39.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 78.240%#	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	302	0.657	ug/l #	72
16) Acetone	4.436	43	24959	20.606	ug/l	89
18) Methyl Acetate	5.047	43	7194	1.213	ug/l #	65
20) Methylene Chloride	5.283	84	15679	5.374	ug/l	94
25) 2-Butanone	7.506	43	3241	1.803	ug/l	97
31) Cyclohexane	8.230	56	5134	1.185	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	17581	4.107	ug/l #	46
37) Ethyl Acetate	7.565	43	4686	1.100	ug/l #	74
38) Carbon Tetrachloride	8.235	117	21480	5.012	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1462	0.316	ug/l #	73
43) Isopropyl Acetate	8.694	43	467772	62.684	ug/l #	62
45) 1,2-Dichloropropane	9.747	63	1815	0.542	ug/l #	45
48) Methyl methacrylate	9.671	41	5299	1.657	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	13108	3.112	ug/l #	69
53) t-1,3-Dichloropropene	10.735	75	1061	0.236	ug/l #	26
54) cis-1,3-Dichloropropene	10.365	75	58192	11.821	ug/l #	72
56) Ethyl methacrylate	10.988	69	2699	0.654	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6647	1.281	ug/l #	42
59) 2-Hexanone	11.206	43	94575	31.112	ug/l #	48
71) Bromoform	12.853	173	1156	0.552	ug/l #	1
74) N-amyl acetate	12.582	43	1262	0.387	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.859	83	62	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	73040	29.600	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73040	85.886	ug/l #	15

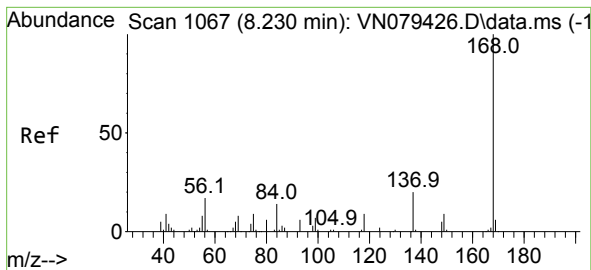
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 23:08:06 2023
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Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

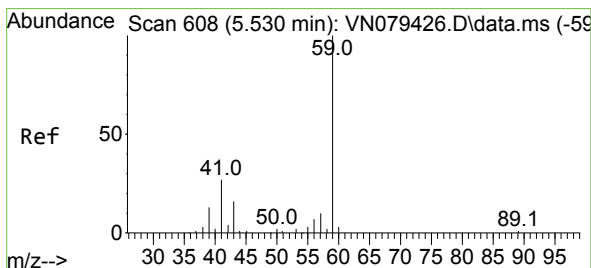
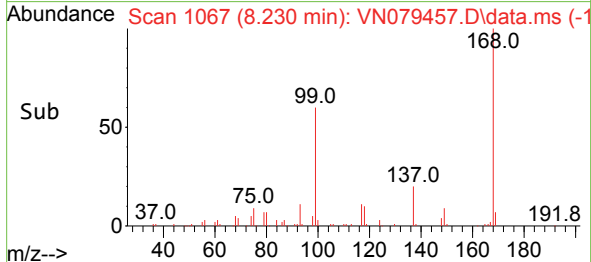
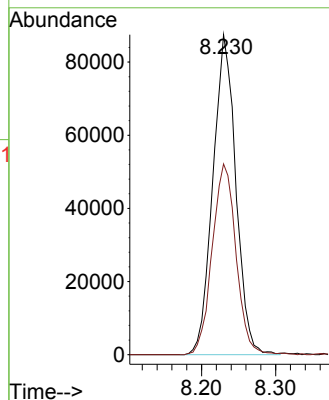
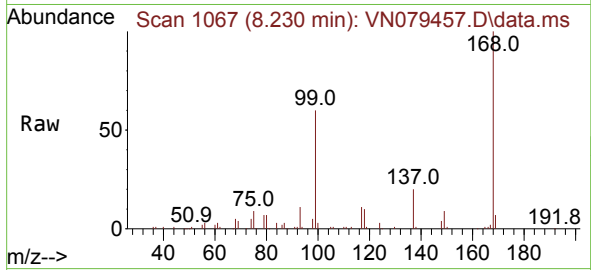
ClientSampleId :

Tgt Ion:168 Resp: 188346

Ion Ratio Lower Upper

168 100

99 59.6 53.0 79.6



#11

Tert butyl alcohol

Concen: 0.657 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.012 min

Lab File: VN079457.D

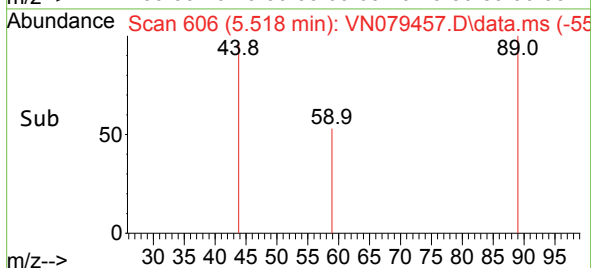
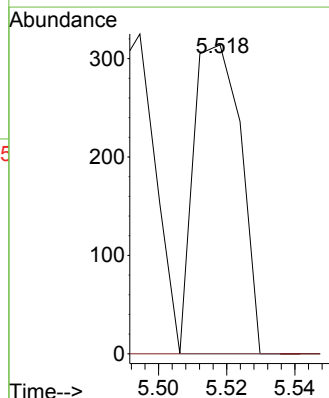
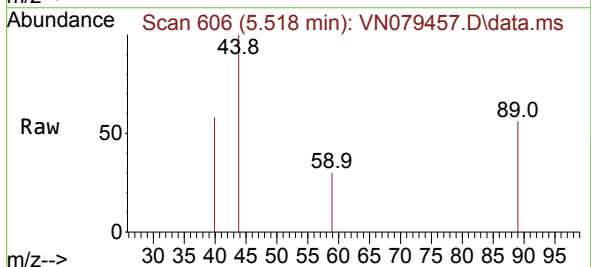
Acq: 06 Oct 2023 19:08

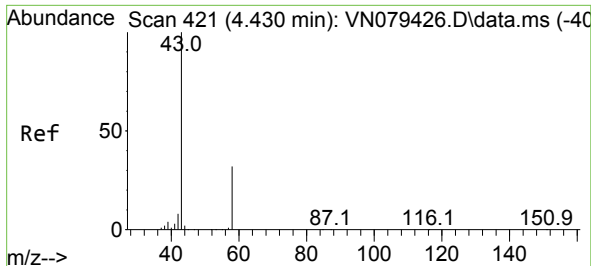
Tgt Ion: 59 Resp: 302

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

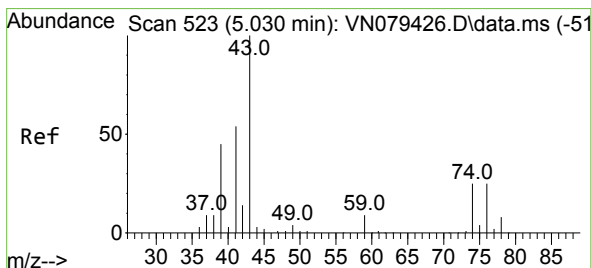
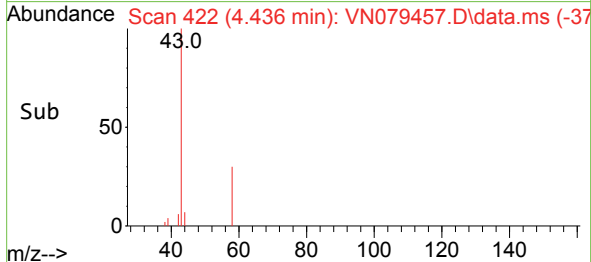
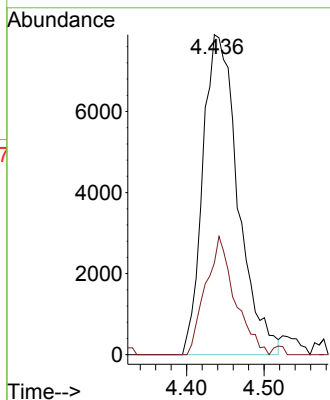
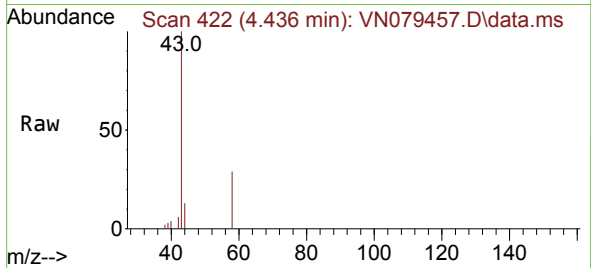




#16
Acetone
Concen: 20.606 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

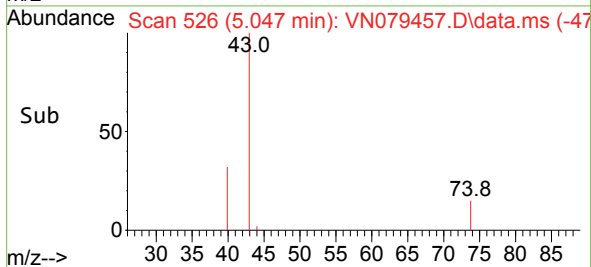
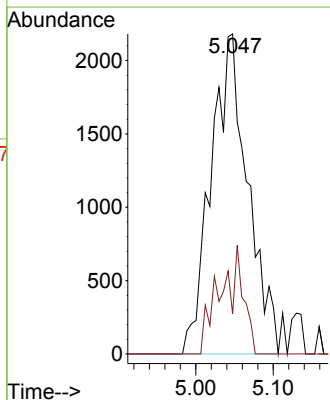
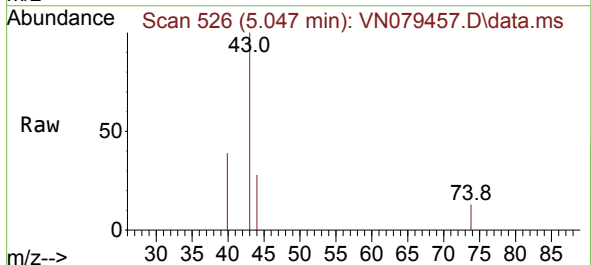
Instrument :
MSVOA_N
ClientSampleId :

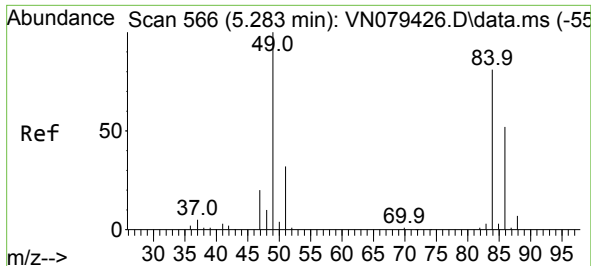
Tgt Ion: 43 Resp: 24959
Ion Ratio Lower Upper
43 100
58 28.7 28.0 42.0



#18
Methyl Acetate
Concen: 1.213 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

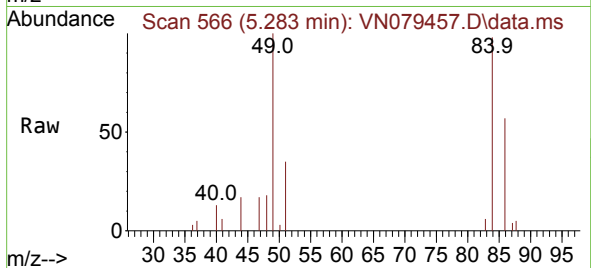
Tgt Ion: 43 Resp: 7194
Ion Ratio Lower Upper
43 100
74 13.1 26.2 39.4#



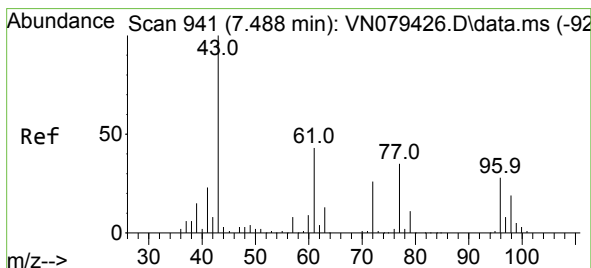
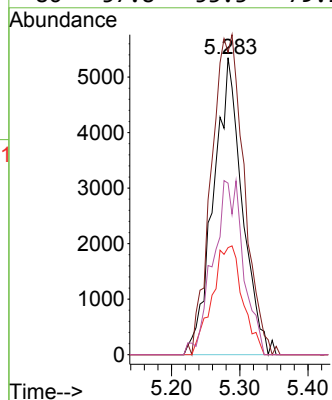


#20
Methylene Chloride
Concen: 5.374 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

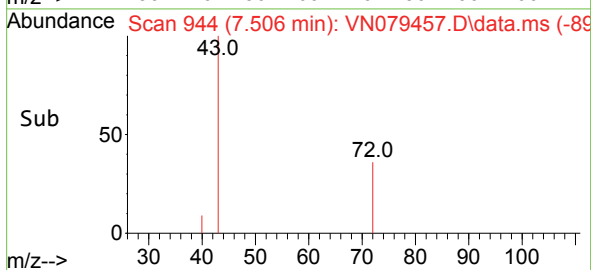
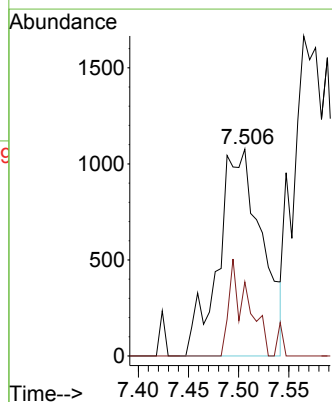
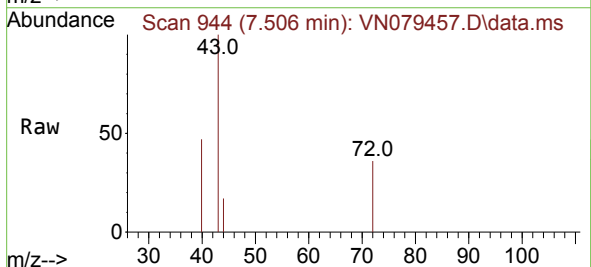


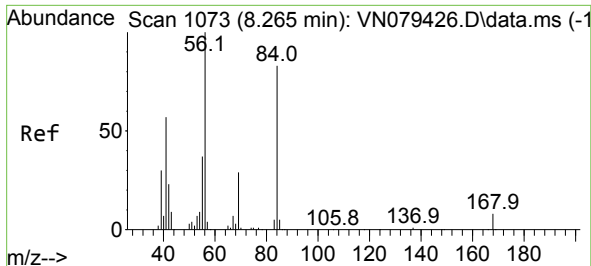
Tgt Ion:	84	Resp:	15679
Ion	Ratio	Lower	Upper
84	100		
49	101.8	79.7	119.5
51	36.0	25.2	37.8
86	57.8	53.3	79.9



#25
2-Butanone
Concen: 1.803 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

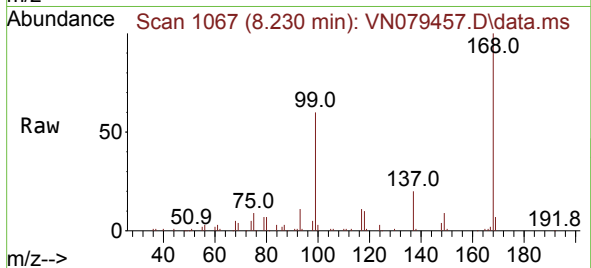
Tgt Ion:	43	Resp:	3241
Ion	Ratio	Lower	Upper
43	100		
72	35.8	30.2	45.2



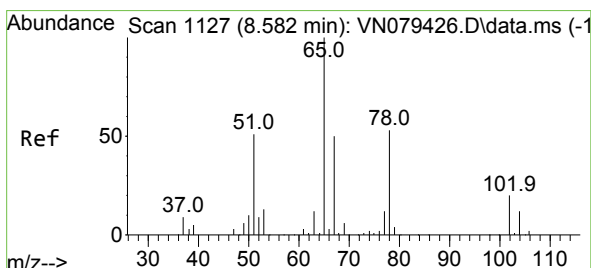
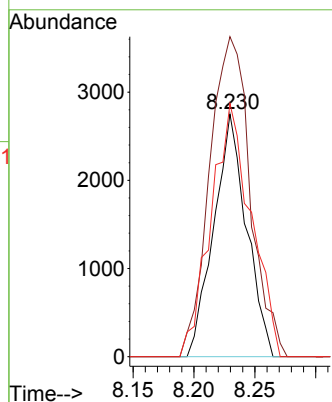
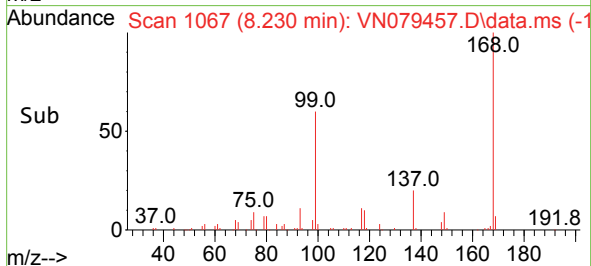


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

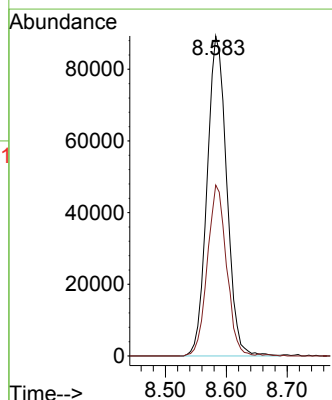
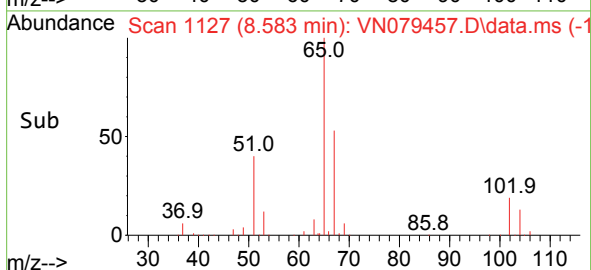
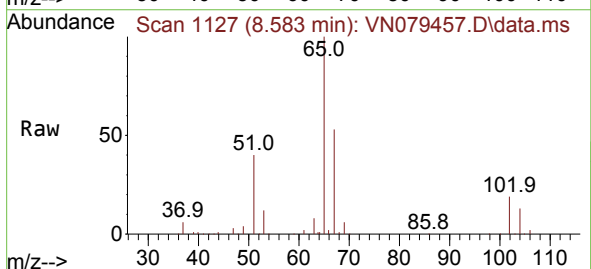


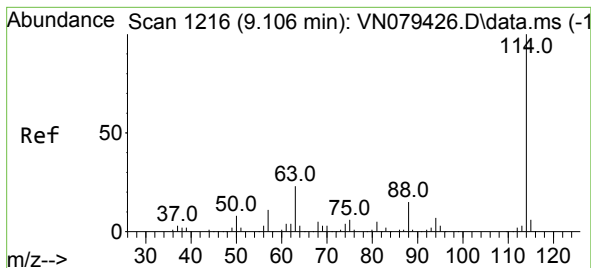
Tgt Ion: 56 Resp: 5134
Ion Ratio Lower Upper
56 100
69 131.9 26.8 40.2#
84 104.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 65.499 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 65 Resp: 200027
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

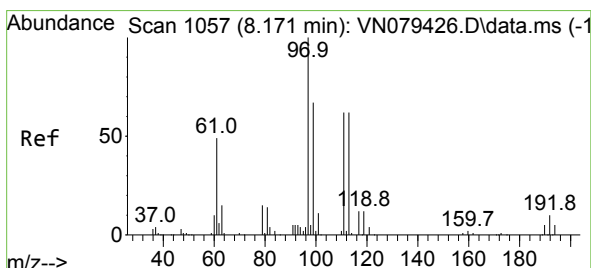
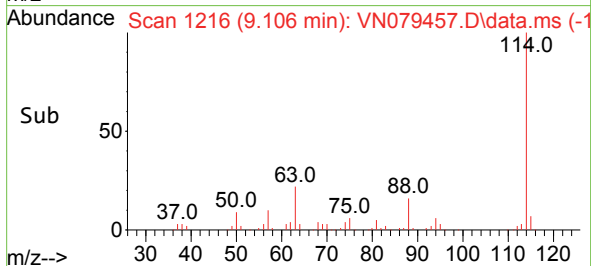
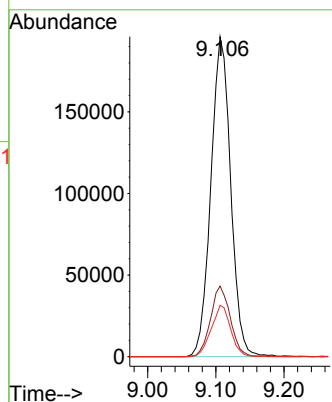
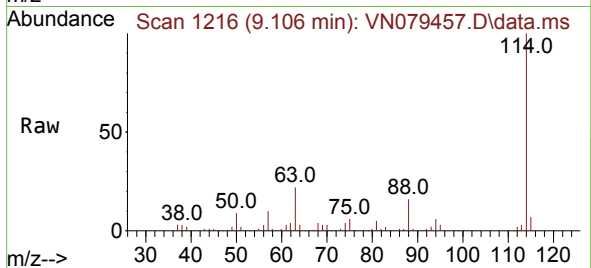
Tgt Ion:114 Resp: 396886

Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.179 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

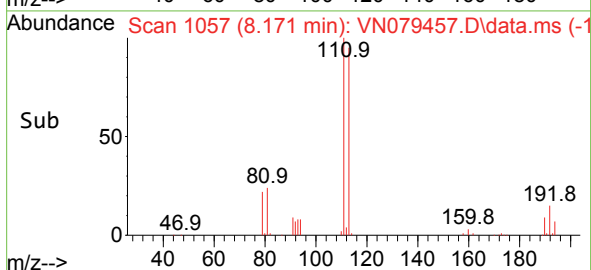
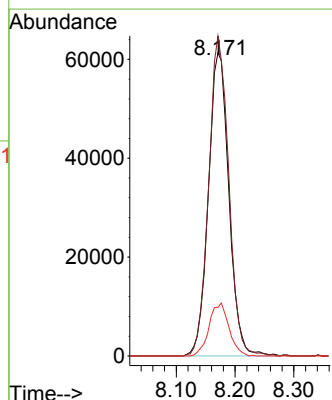
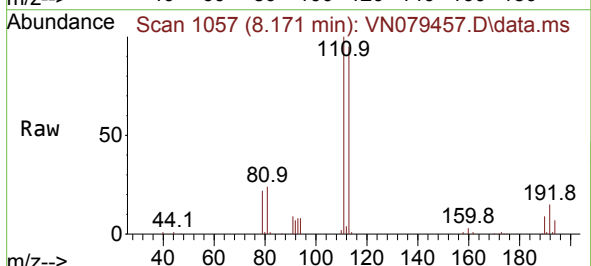
Tgt Ion:113 Resp: 148824

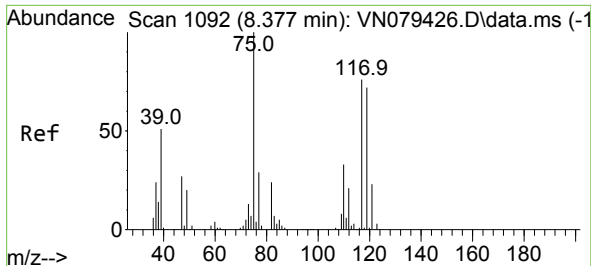
Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

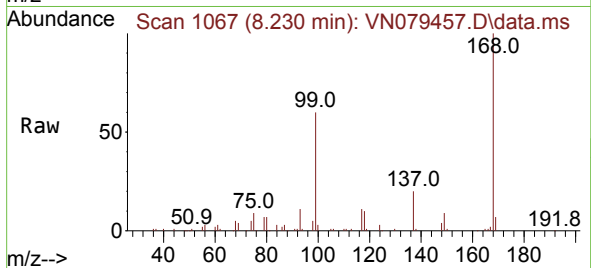
192 16.9 12.7 19.1



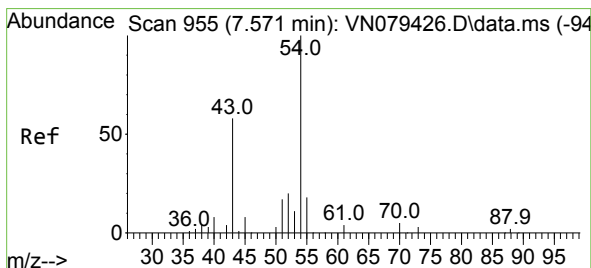
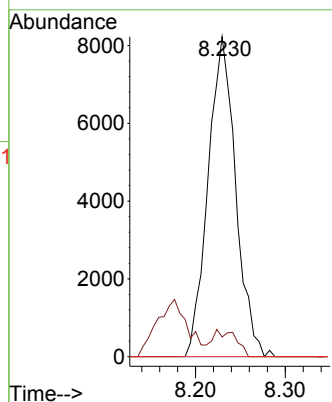
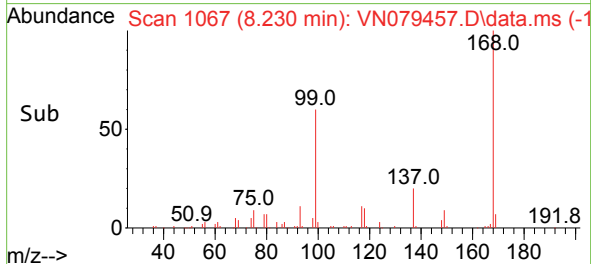


#36
1,1-Dichloropropene
Concen: 4.107 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

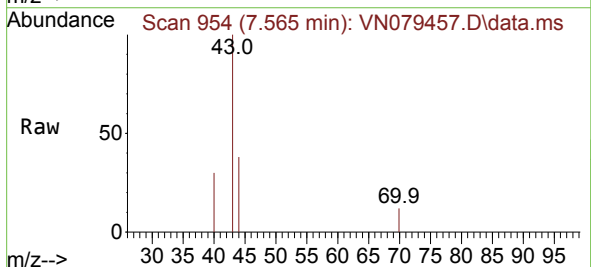
Instrument :
MSVOA_N
ClientSampleId :



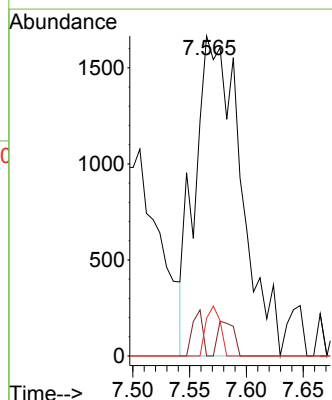
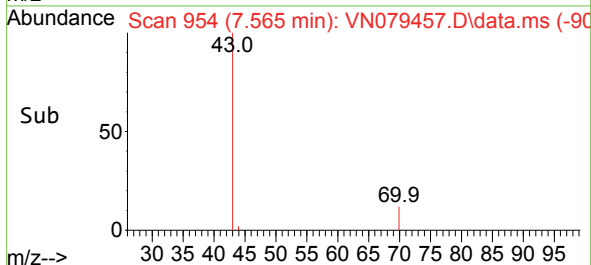
Tgt Ion: 75 Resp: 17581
Ion Ratio Lower Upper
75 100
110 7.0 19.1 57.3#
77 0.0 25.0 37.4#

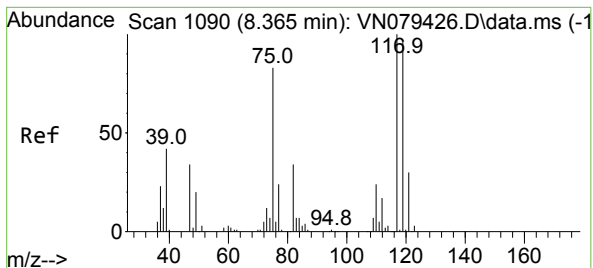


#37
Ethyl Acetate
Concen: 1.100 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.006 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08



Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
61 3.8 13.2 19.8#
70 4.8 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 8.235 min Scan# 1107

Delta R.T. -0.129 min

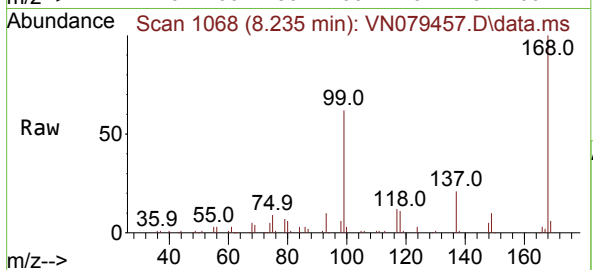
Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :



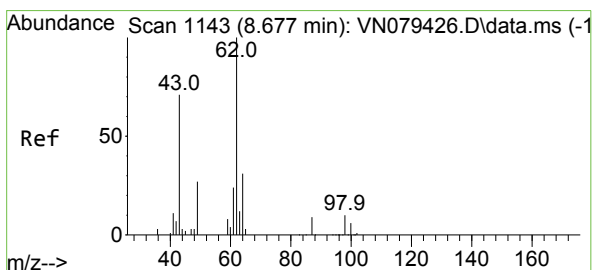
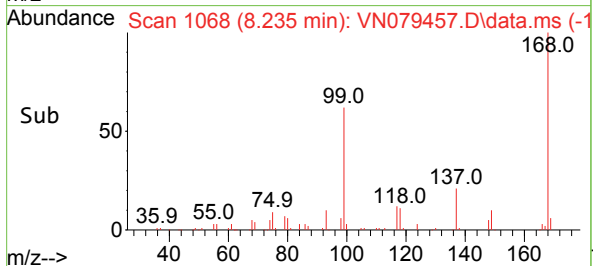
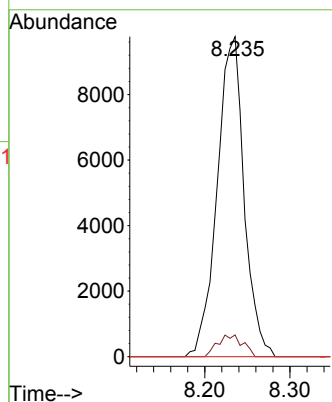
Tgt Ion:117 Resp: 21480

Ion Ratio Lower Upper

117 100

119 6.8 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.316 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079457.D

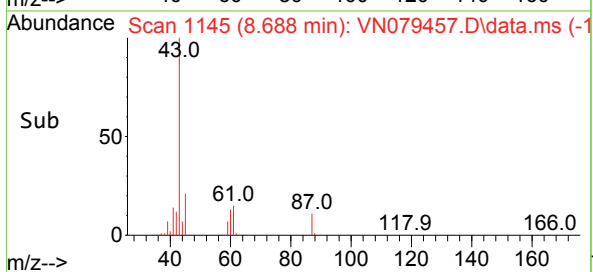
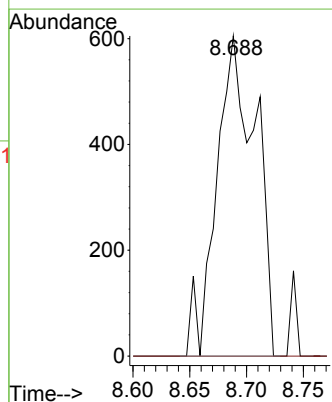
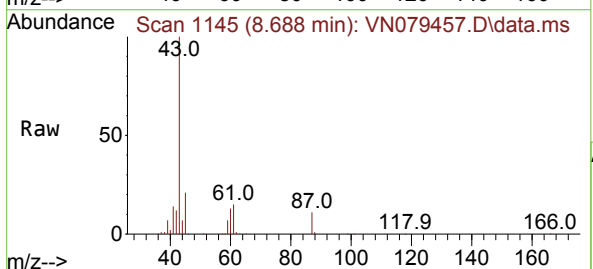
Acq: 06 Oct 2023 19:08

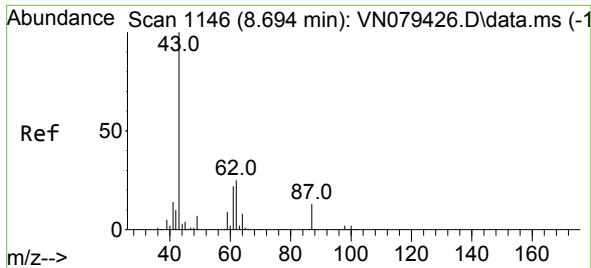
Tgt Ion: 62 Resp: 1462

Ion Ratio Lower Upper

62 100

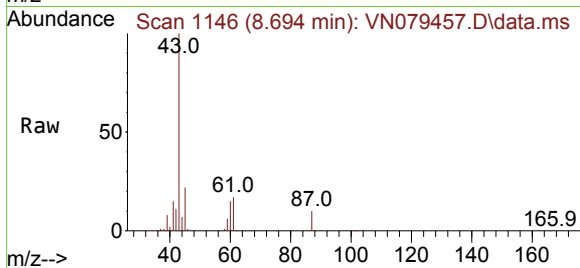
98 0.0 0.0 19.8



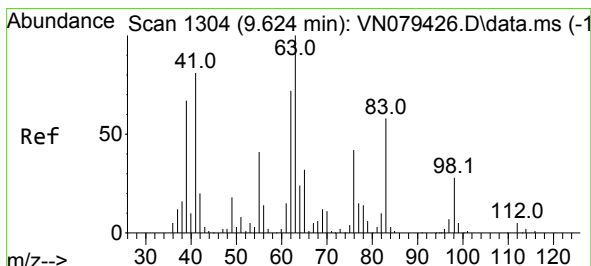
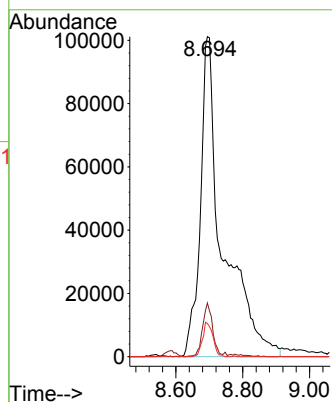
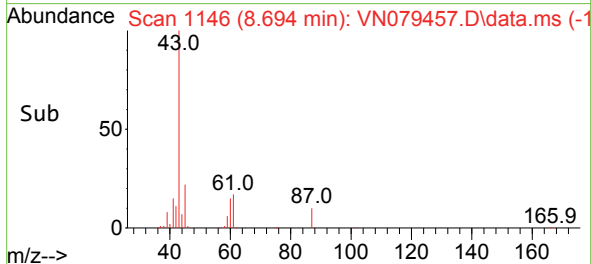


#43
Isopropyl Acetate
Concen: 62.684 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

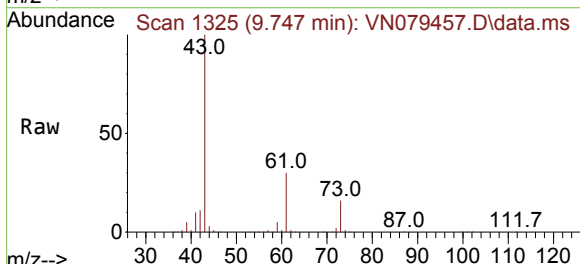
Instrument :
MSVOA_N
ClientSampleId :



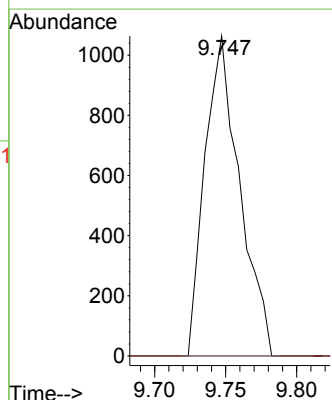
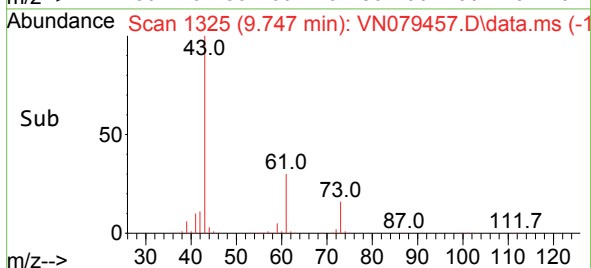
Tgt Ion: 43 Resp: 467772
Ion Ratio Lower Upper
43 100
61 7.6 24.7 37.1#
87 5.0 14.6 21.8#

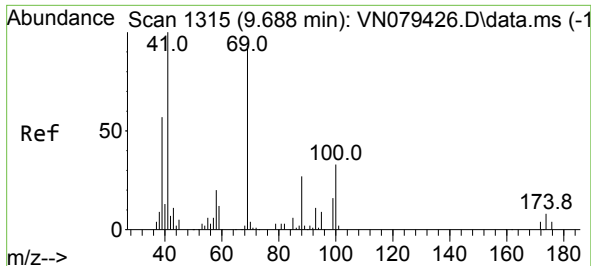


#45
1,2-Dichloropropane
Concen: 0.542 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08



Tgt Ion: 63 Resp: 1815
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

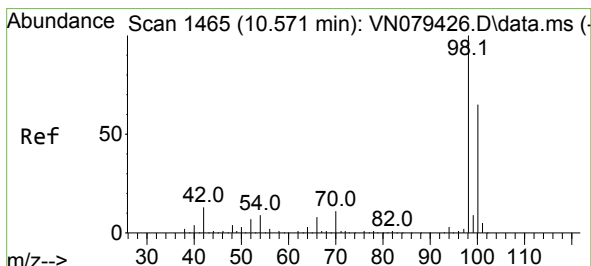
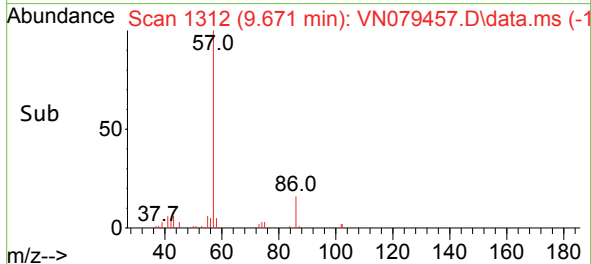
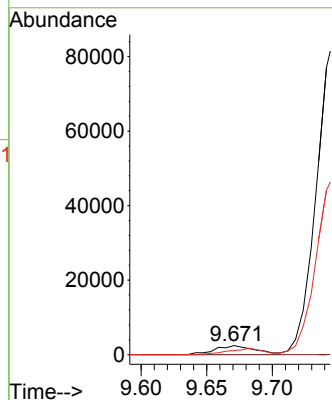
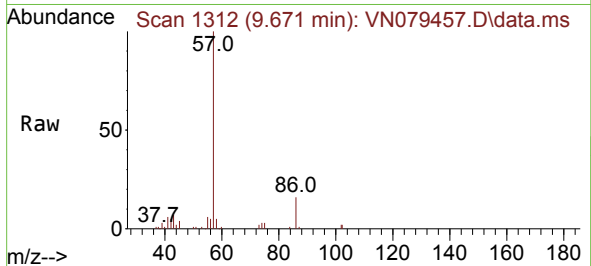




#48
Methyl methacrylate
Concen: 1.657 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

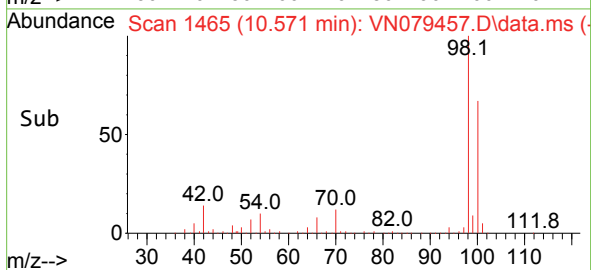
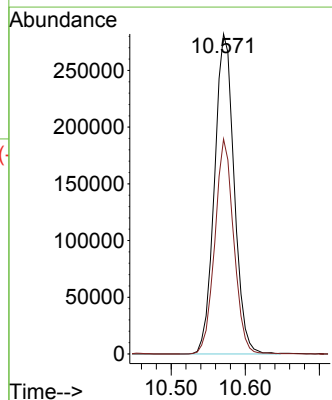
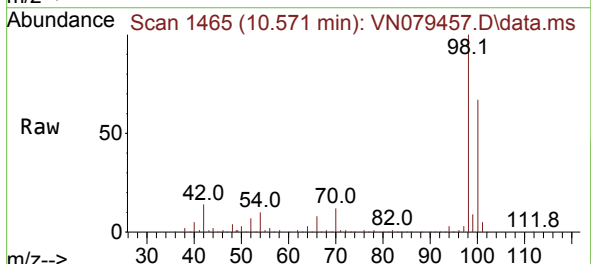
Instrument :
MSVOA_N
ClientSampleId :

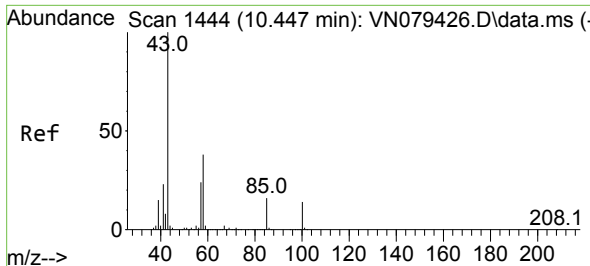
Tgt Ion: 41 Resp: 5299
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 58.2 54.6 81.8



#50
Toluene-d8
Concen: 50.361 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

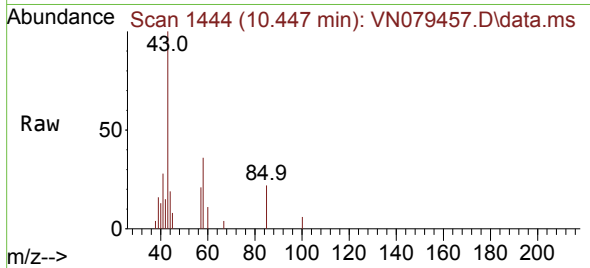
Tgt Ion: 98 Resp: 519719
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



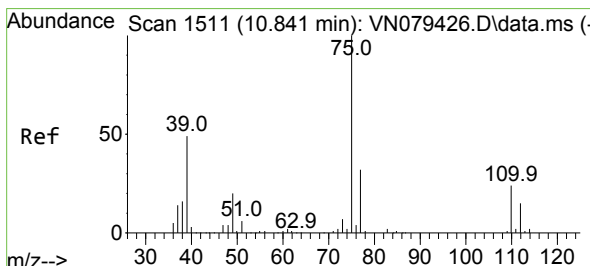
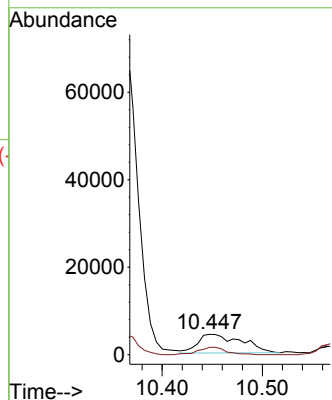
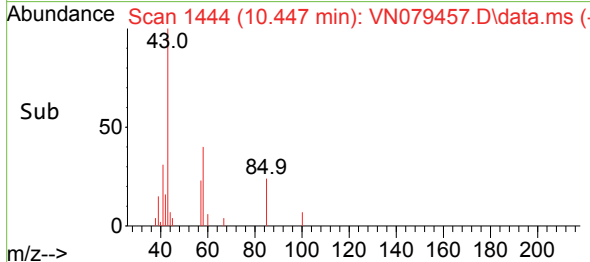


#51
4-Methyl-2-Pentanone
Concen: 3.112 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Instrument :
MSVOA_N
ClientSampleId :

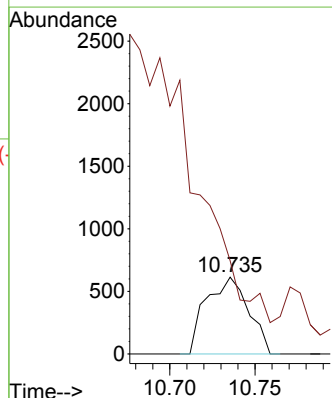
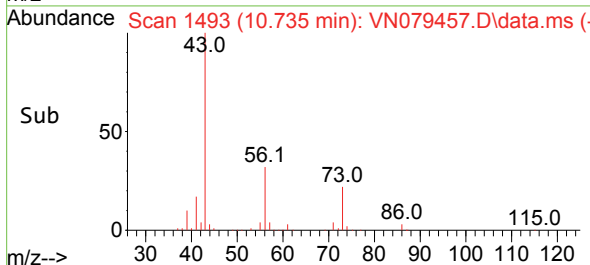
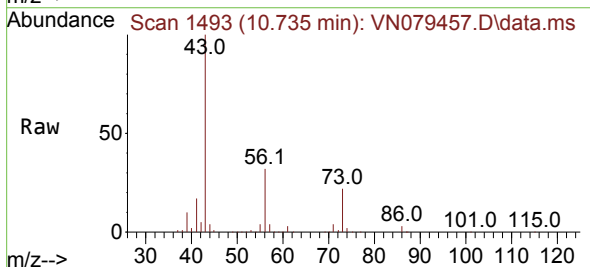


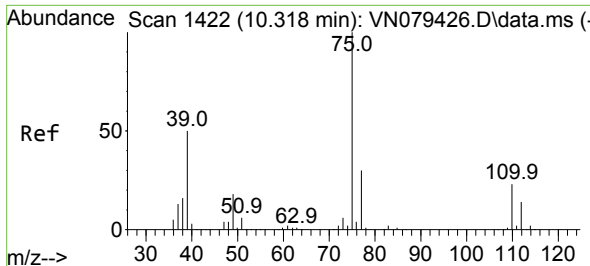
Tgt Ion: 43 Resp: 13108
Ion Ratio Lower Upper
43 100
58 25.0 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.236 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 75 Resp: 1061
Ion Ratio Lower Upper
75 100
77 72.8 25.4 38.0#

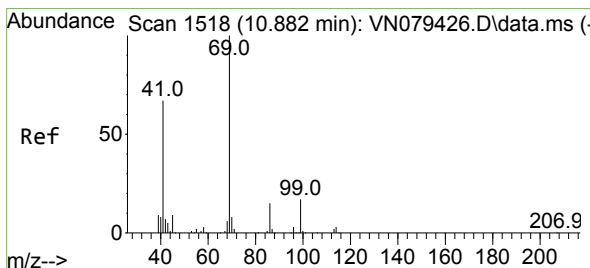
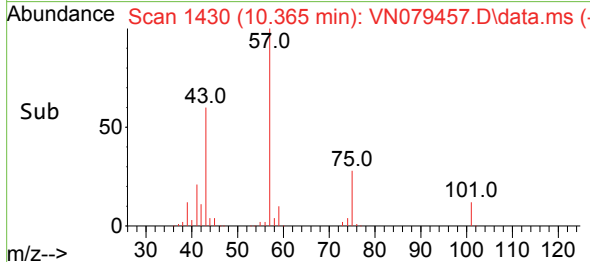
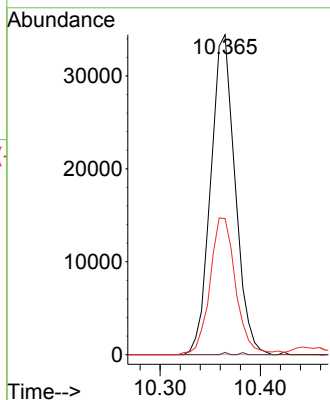
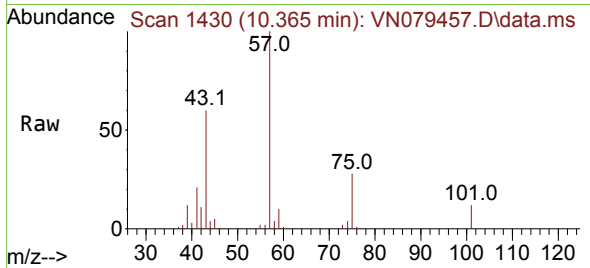




#54
 cis-1,3-Dichloropropene
 Concen: 11.821 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079457.D
 Acq: 06 Oct 2023 19:08

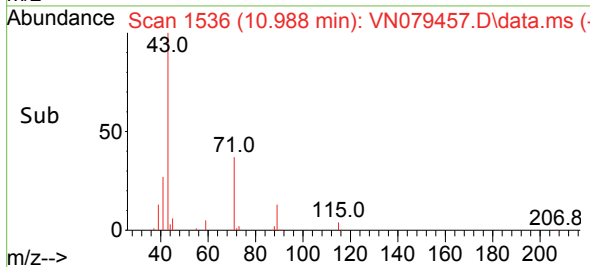
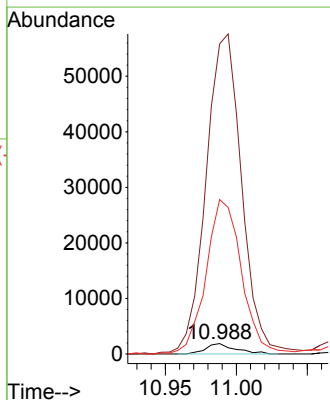
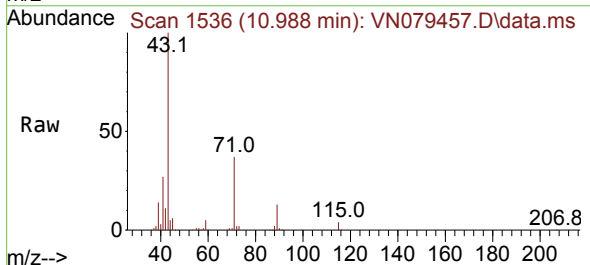
Instrument :
 MSVOA_N
 ClientSampleId :

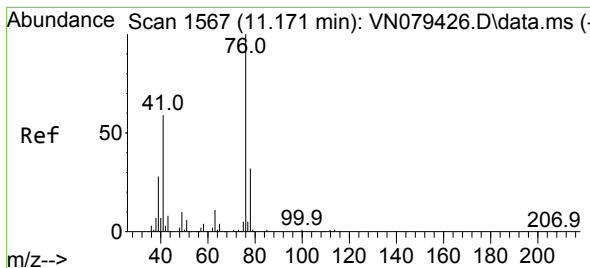
Tgt Ion: 75 Resp: 58192
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 42.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.654 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079457.D
 Acq: 06 Oct 2023 19:08

Tgt Ion: 69 Resp: 2699
 Ion Ratio Lower Upper
 69 100
 41 3731.2 39.6 59.4#
 39 1791.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.281 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

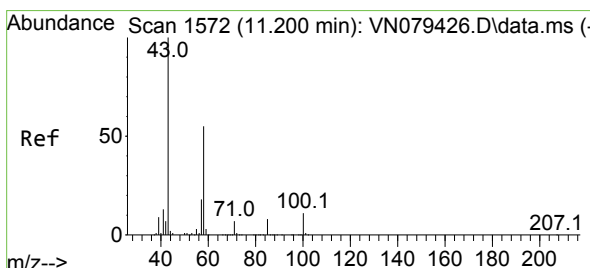
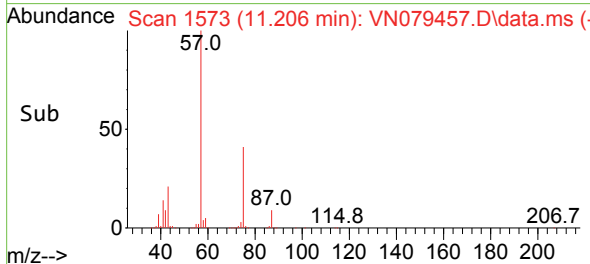
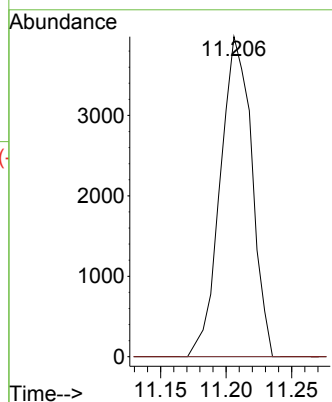
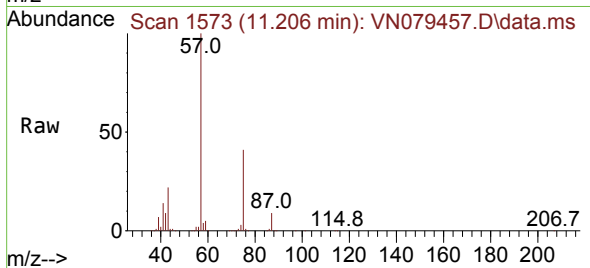
ClientSampleId :

Tgt Ion: 76 Resp: 6647

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 31.112 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079457.D

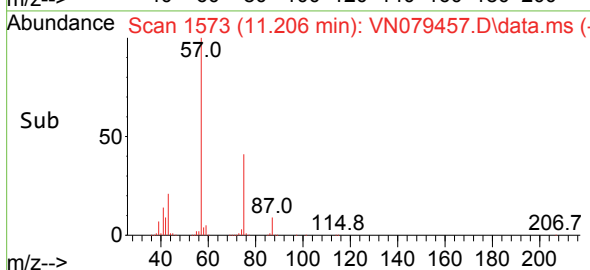
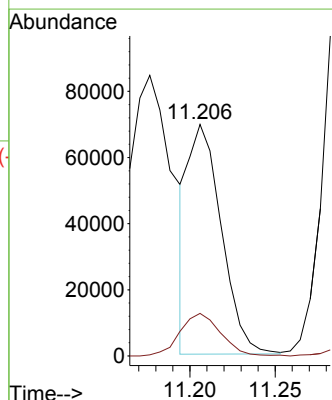
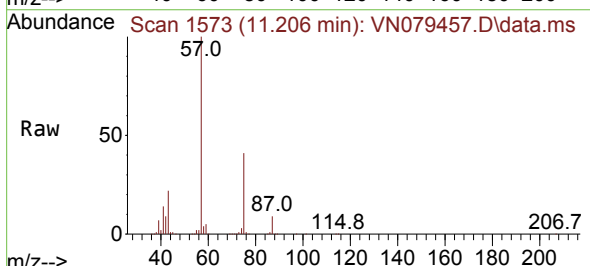
Acq: 06 Oct 2023 19:08

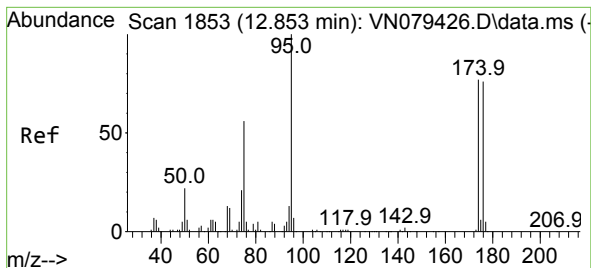
Tgt Ion: 43 Resp: 94575

Ion Ratio Lower Upper

43 100

58 22.6 31.7 95.1#

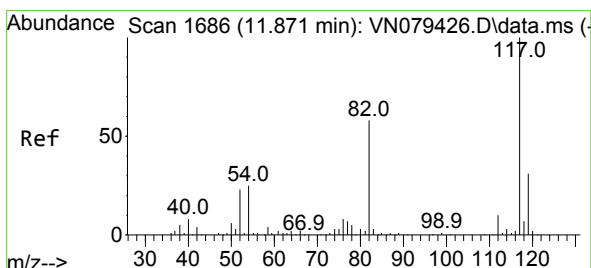
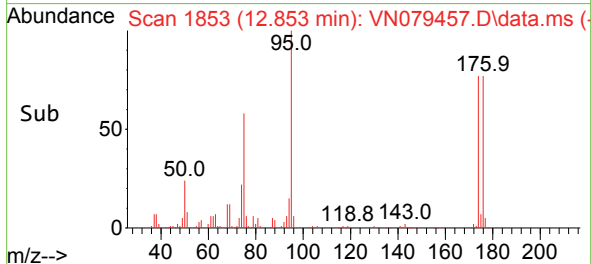
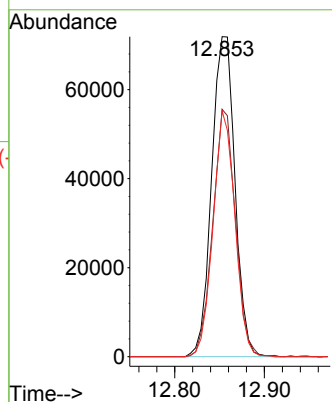
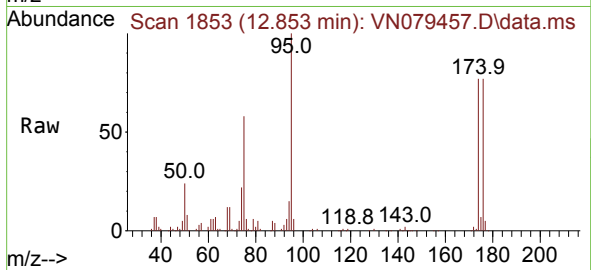




#62
4-Bromofluorobenzene
Concen: 39.120 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

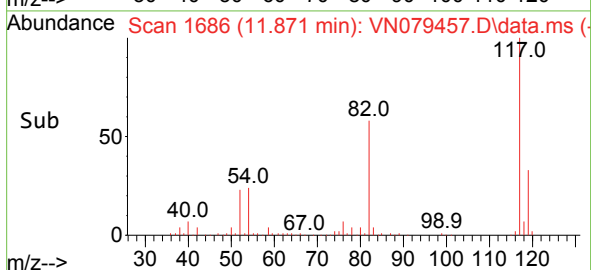
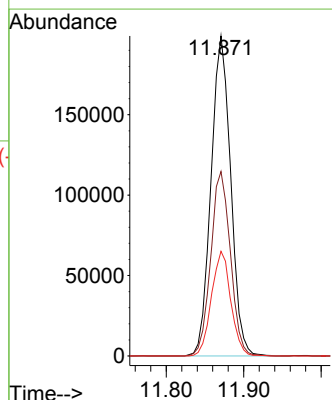
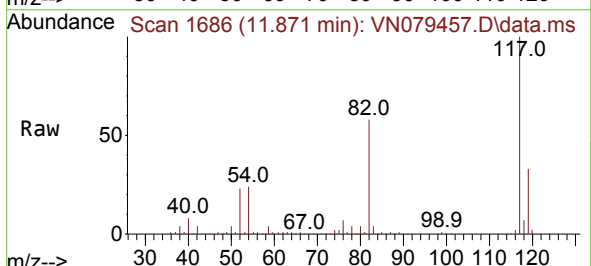
Instrument :
MSVOA_N
ClientSampleId :

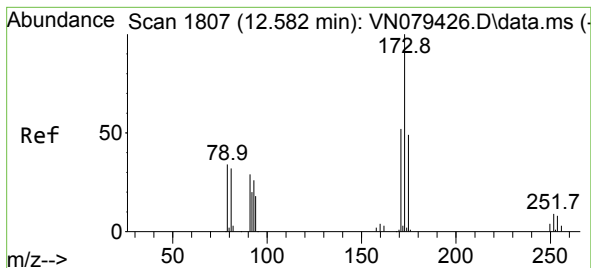
Tgt Ion: 95 Resp: 129562
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 72.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079457.D
Acq: 06 Oct 2023 19:08

Tgt Ion: 117 Resp: 350976
Ion Ratio Lower Upper
117 100
82 57.6 44.0 66.0
119 32.7 25.6 38.4





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.853 min Scan# 1156

Delta R.T. 0.271 min

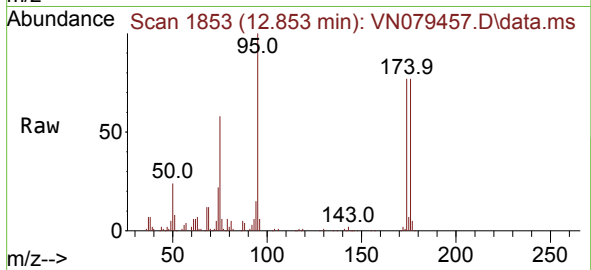
Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :



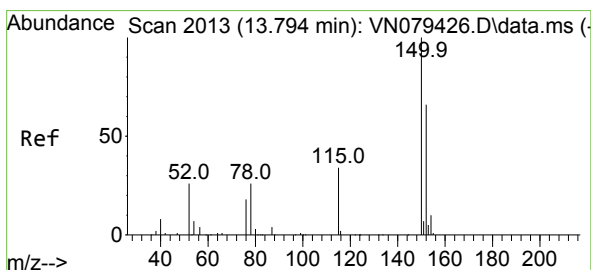
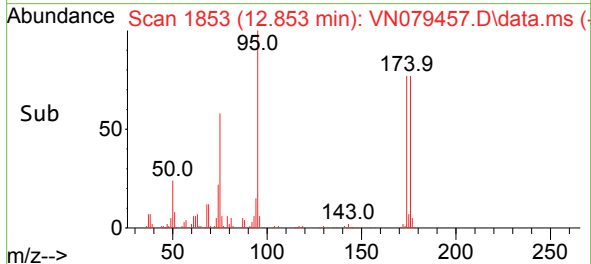
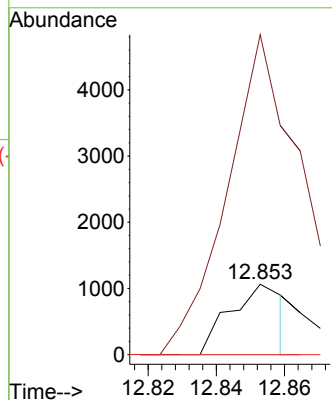
Tgt Ion:173 Resp: 1156

Ion Ratio Lower Upper

173 100

175 459.9 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

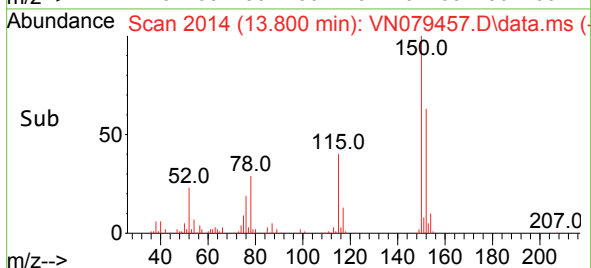
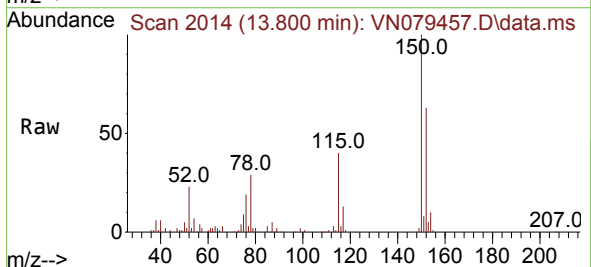
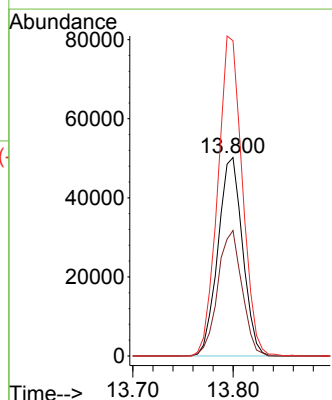
Tgt Ion:152 Resp: 85582

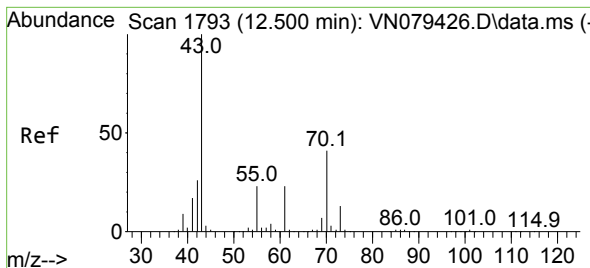
Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 160.5 0.0 355.8





#74

N-amy1 acetate

Concen: 0.387 ug/l

RT: 12.582 min Scan# 11

Delta R.T. 0.082 min

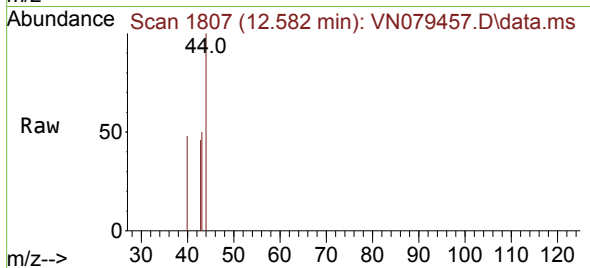
Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1262

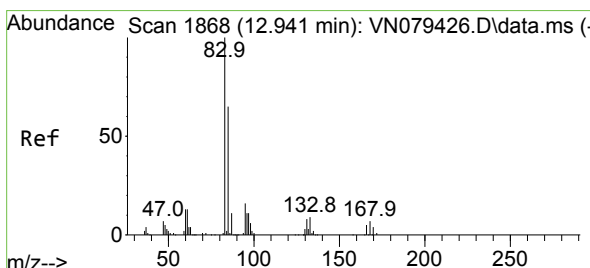
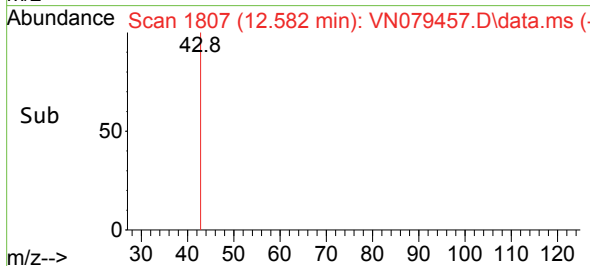
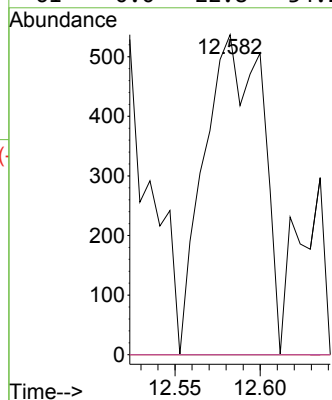
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.859 min Scan# 1854

Delta R.T. -0.082 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

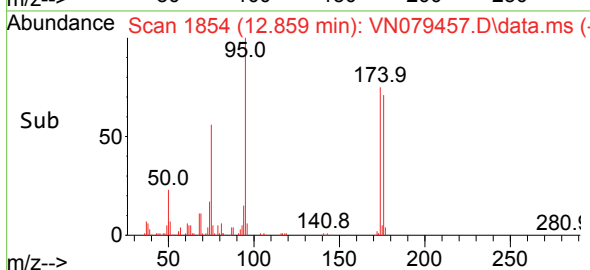
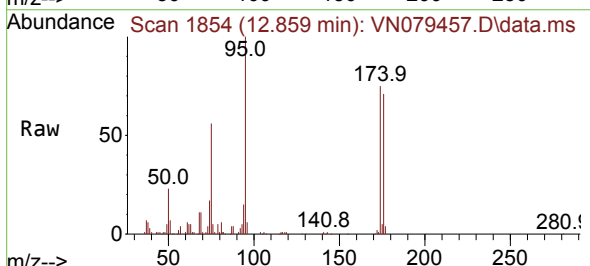
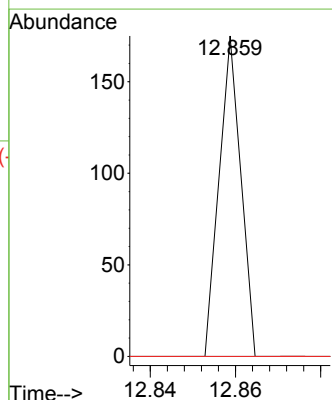
Tgt Ion: 83 Resp: 62

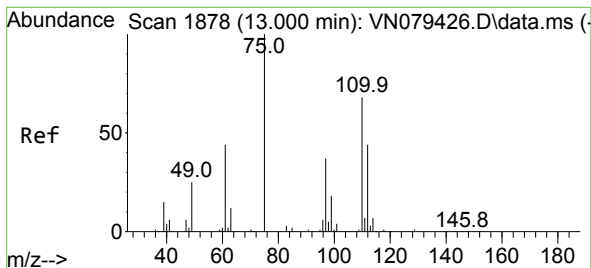
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.600 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Instrument :

MSVOA_N

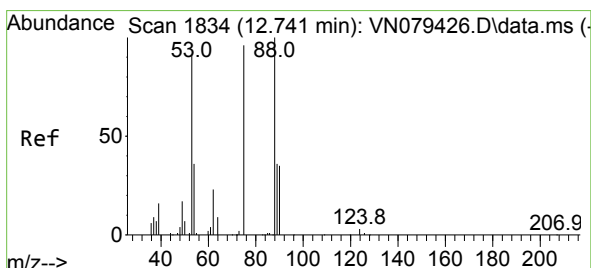
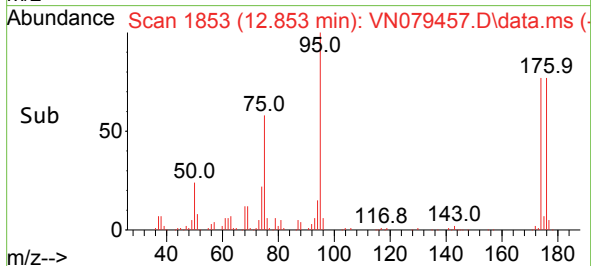
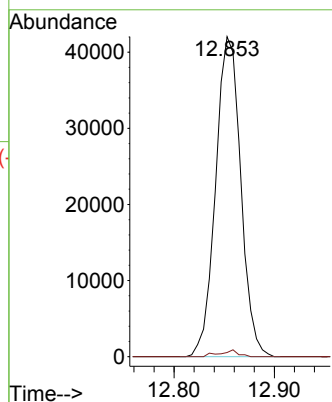
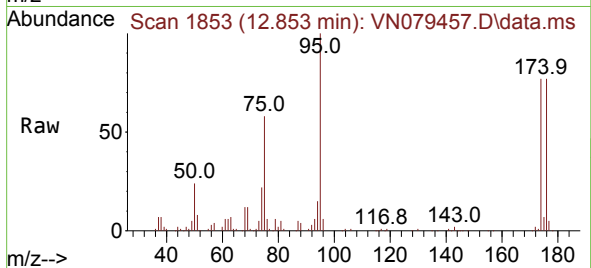
ClientSampleId :

Tgt Ion: 75 Resp: 73040

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.886 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079457.D

Acq: 06 Oct 2023 19:08

Tgt Ion: 75 Resp: 73040

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

