

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079879.D
 Acq On : 04 Nov 2023 05:56
 Operator : JC\MD
 Sample : 05223-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 06:44:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

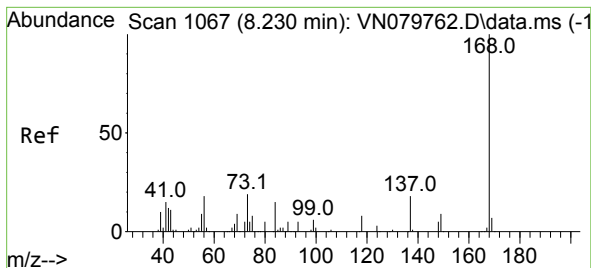
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	237796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	476174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	493421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	185940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208834	57.643	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.280%
35) Dibromofluoromethane	8.165	113	173826	51.578	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.160%
50) Toluene-d8	10.571	98	592012	47.717	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.853	95	193331	46.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	1680	Below Cal	#	84
5) Bromomethane	2.965	94	1010	0.443	ug/l #	72
6) Chloroethane	3.042	64	1120	0.378	ug/l #	81
16) Acetone	4.436	43	1347	1.058	ug/l #	80
31) Cyclohexane	8.224	56	6048	1.263	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	21866	4.544	ug/l #	46
38) Carbon Tetrachloride	8.224	117	27290	5.627	ug/l #	17
51) 4-Methyl-2-Pentanone	10.577	43	2940	0.675	ug/l #	1
60) Dibromochloromethane	11.106	129	17951	4.880	ug/l #	11
64) Tetrachloroethene	11.112	164	16911	5.292	ug/l #	82
71) Bromoform	12.847	173	1454	0.531	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107104	24.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107104	66.754	ug/l #	15

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

Quant Time: Nov 04 06:44:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

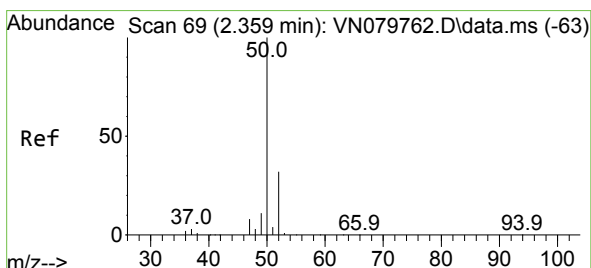
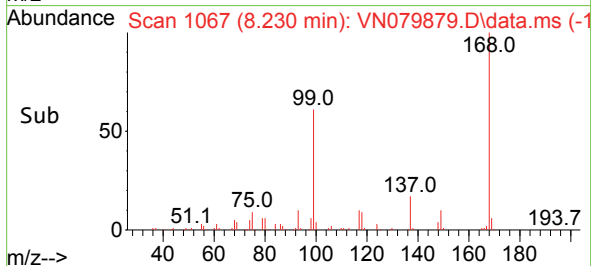
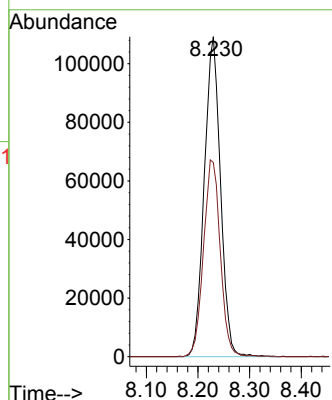
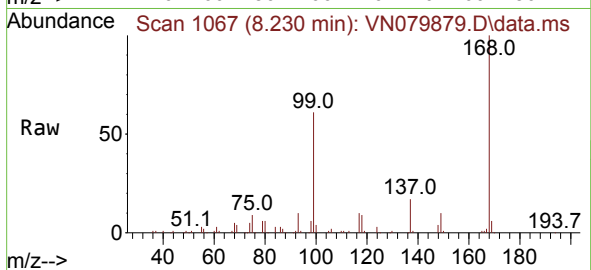
ClientSampleId :

Tgt Ion:168 Resp: 237796

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.354 min Scan# 68

Delta R.T. -0.005 min

Lab File: VN079879.D

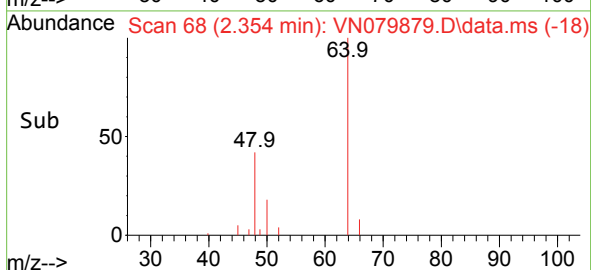
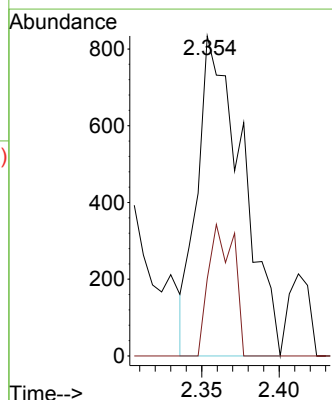
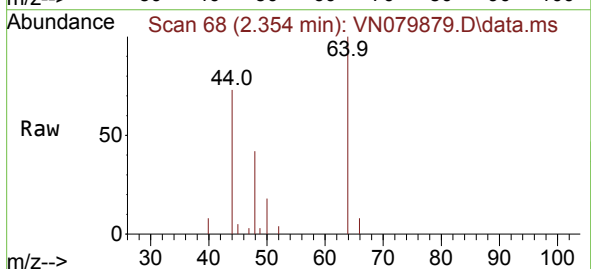
Acq: 04 Nov 2023 05:56

Tgt Ion: 50 Resp: 1680

Ion Ratio Lower Upper

50 100

52 24.1 26.5 39.7#

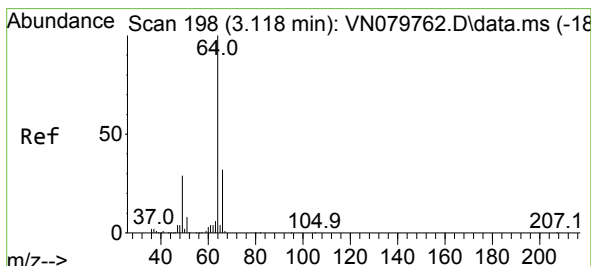
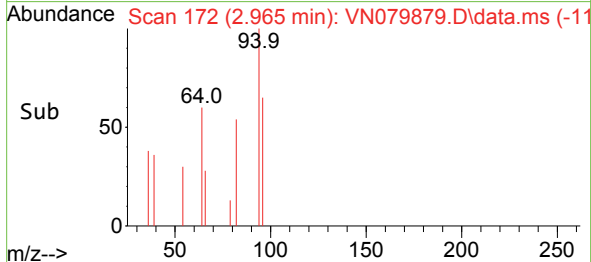
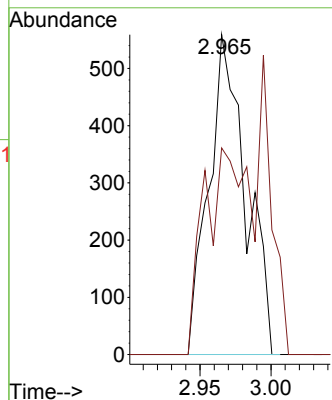
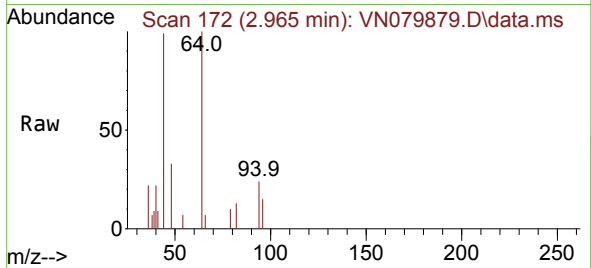




#5
Bromomethane
Concen: 0.443 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

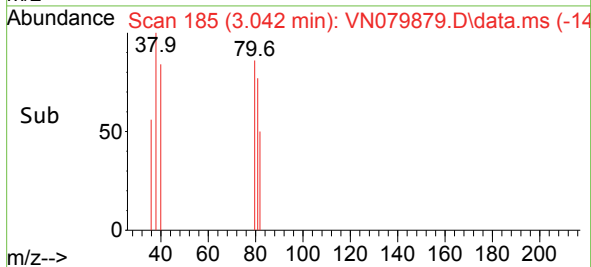
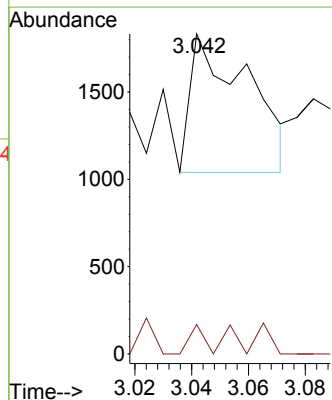
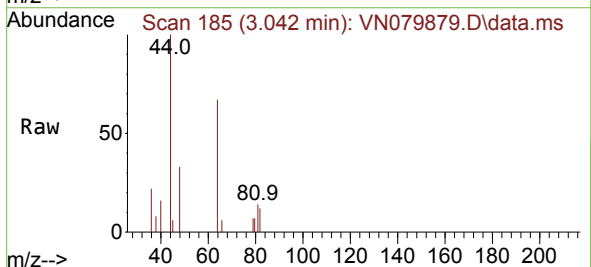
Instrument :
MSVOA_N
ClientSampleId :

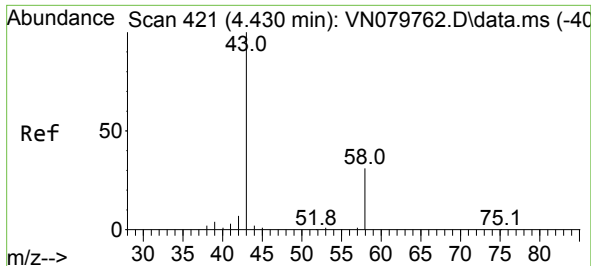
Tgt Ion: 94 Resp: 1010
Ion Ratio Lower Upper
94 100
96 64.6 73.1 109.7#



#6
Chloroethane
Concen: 0.378 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

Tgt Ion: 64 Resp: 1120
Ion Ratio Lower Upper
64 100
66 21.3 25.4 38.2#

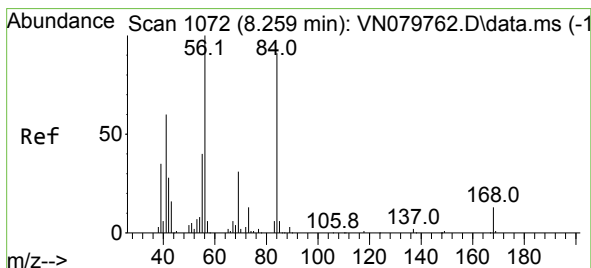
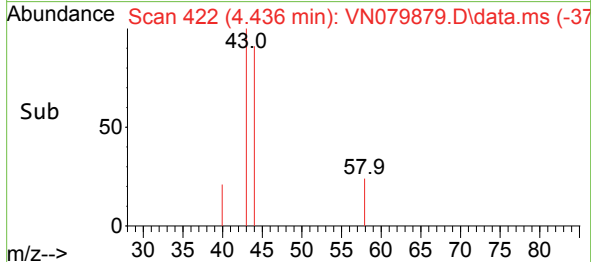
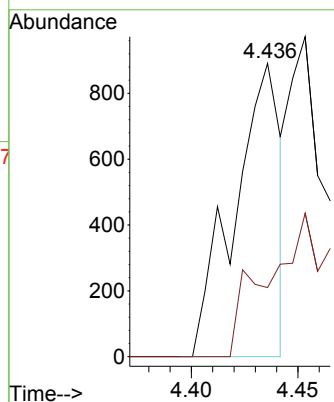
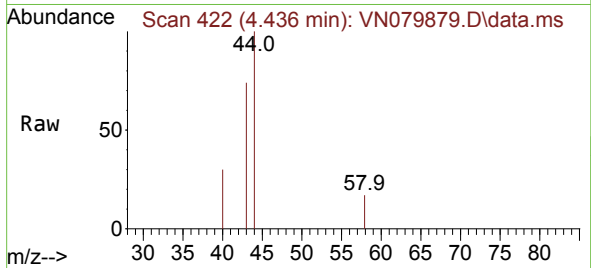




#16
Acetone
Concen: 1.058 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

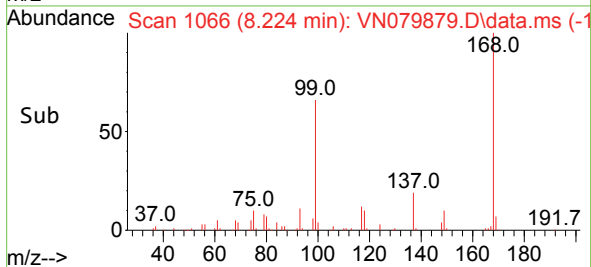
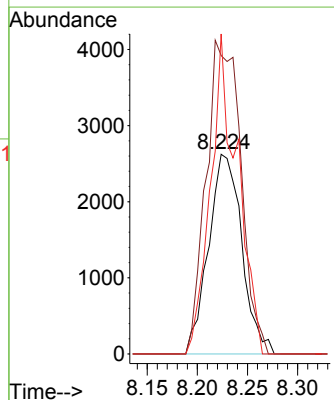
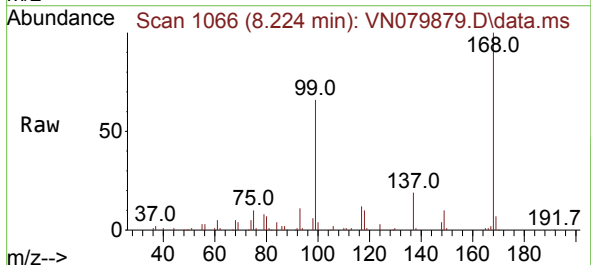
Instrument :
MSVOA_N
ClientSampleId :

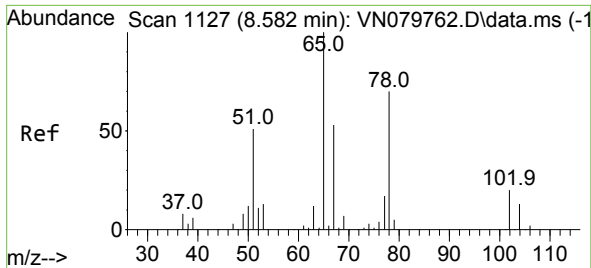
Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 23.6 28.0 42.0#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

Tgt Ion: 56 Resp: 6048
Ion Ratio Lower Upper
56 100
69 149.4 26.8 40.2#
84 160.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.643 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

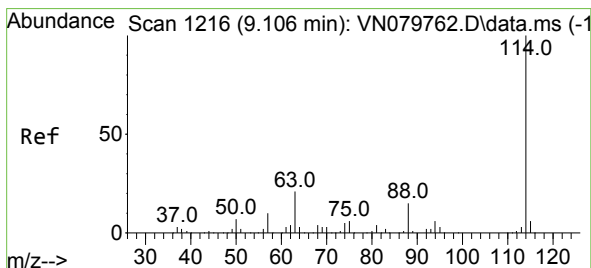
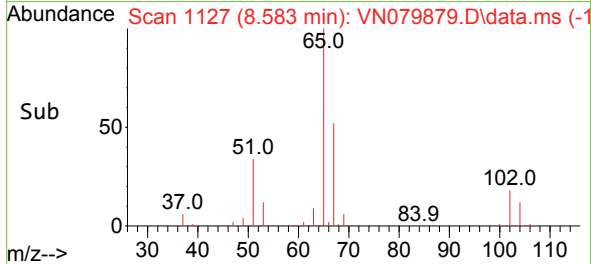
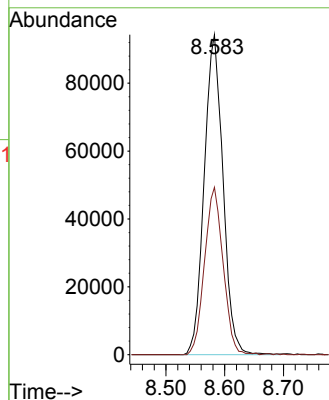
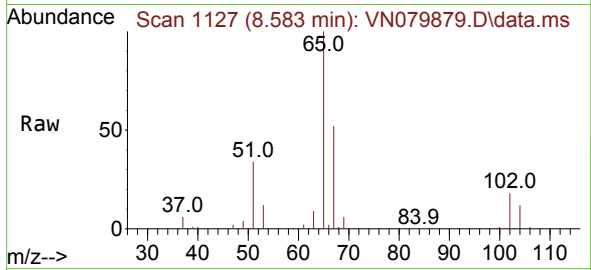
ClientSampleId :

Tgt Ion: 65 Resp: 208834

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

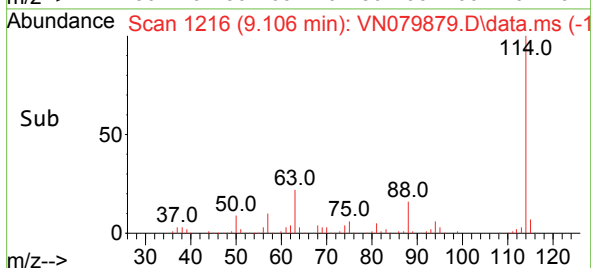
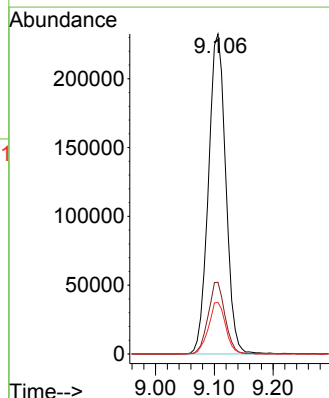
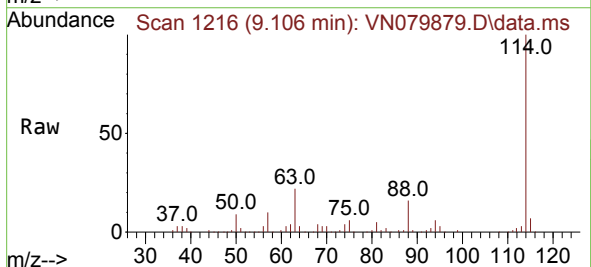
Tgt Ion: 114 Resp: 476174

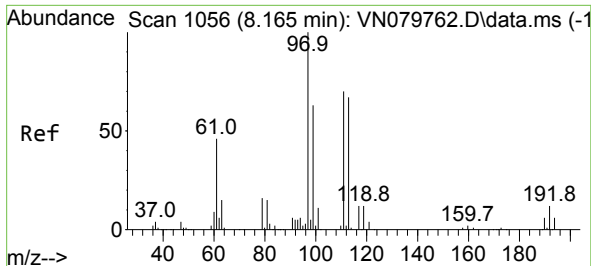
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.578 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

ClientSampleId :

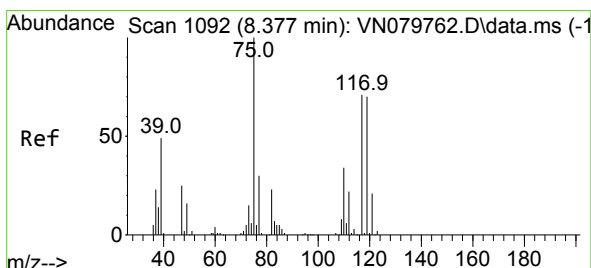
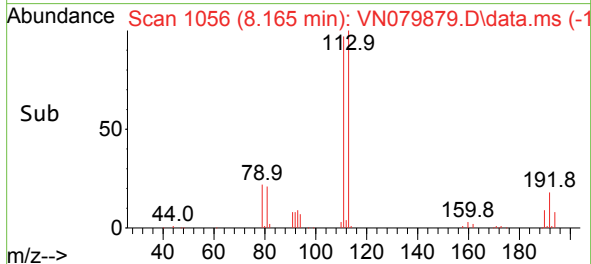
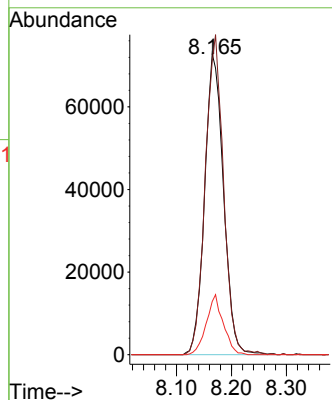
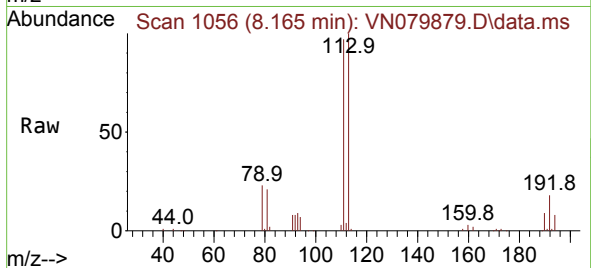
Tgt Ion:113 Resp: 173826

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.544 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

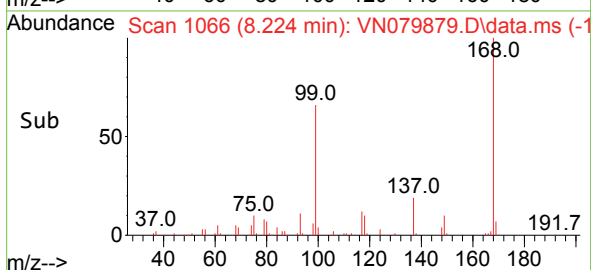
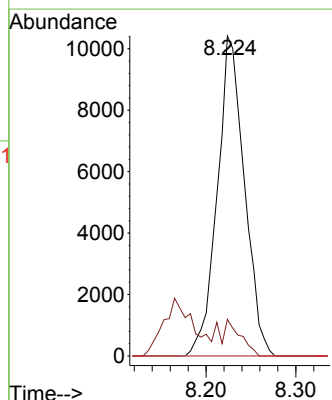
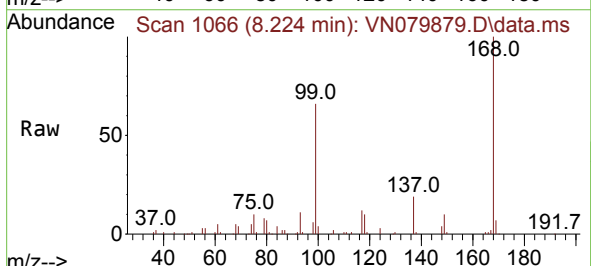
Tgt Ion: 75 Resp: 21866

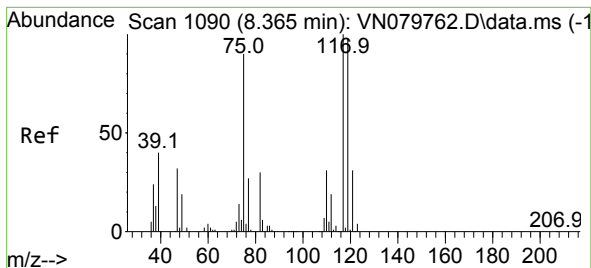
Ion Ratio Lower Upper

75 100

110 6.4 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

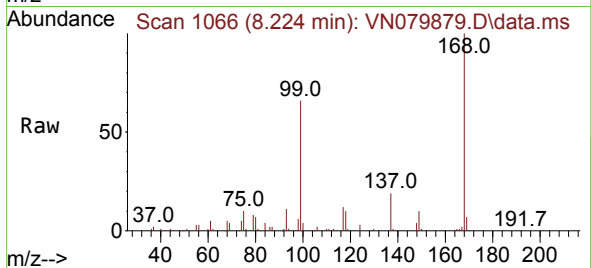
Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

ClientSampleId :



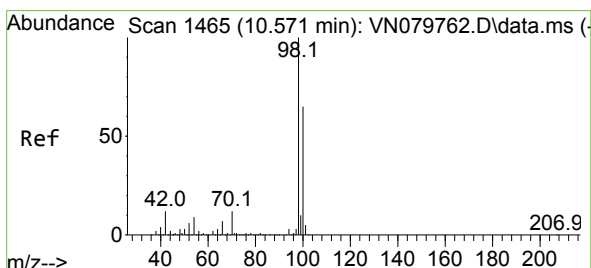
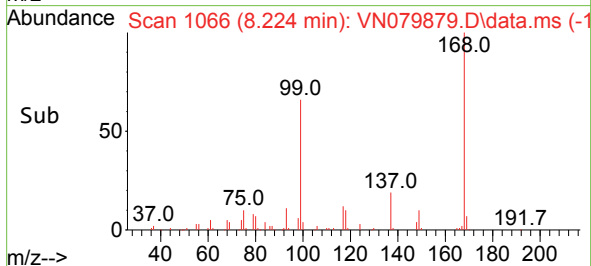
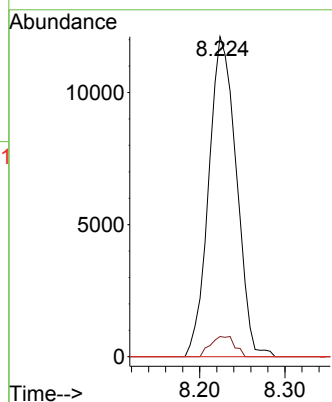
Tgt Ion:117 Resp: 27290

Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.717 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079879.D

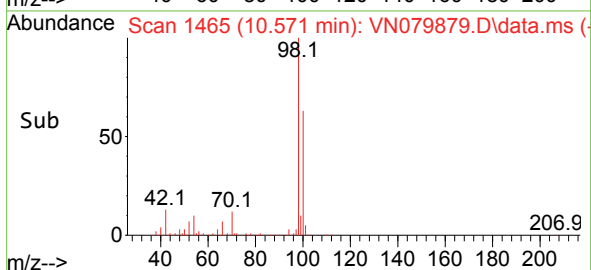
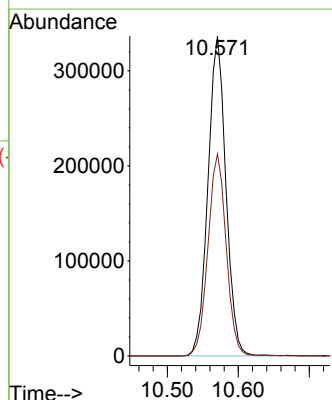
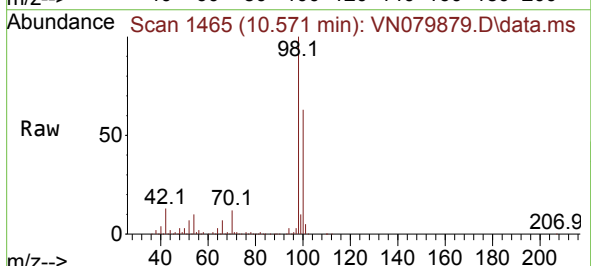
Acq: 04 Nov 2023 05:56

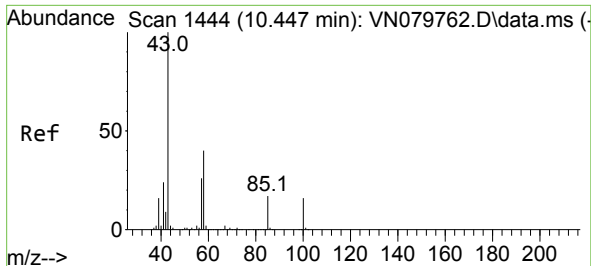
Tgt Ion: 98 Resp: 592012

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.675 ug/l

RT: 10.577 min Scan# 1444

Delta R.T. 0.130 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

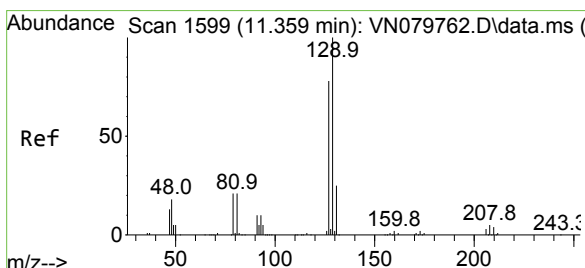
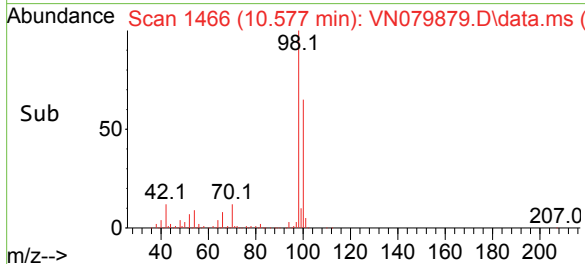
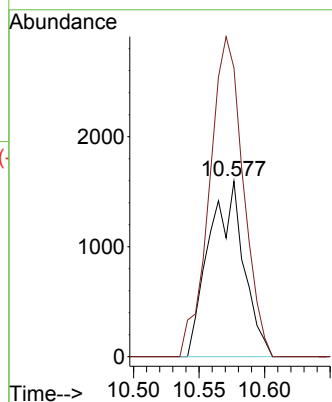
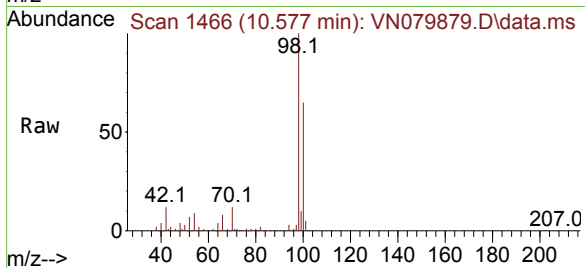
ClientSampleId :

Tgt Ion: 43 Resp: 2940

Ion Ratio Lower Upper

43 100

58 177.6 36.6 54.8#



#60

Dibromochloromethane

Concen: 4.880 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.259 min

Lab File: VN079879.D

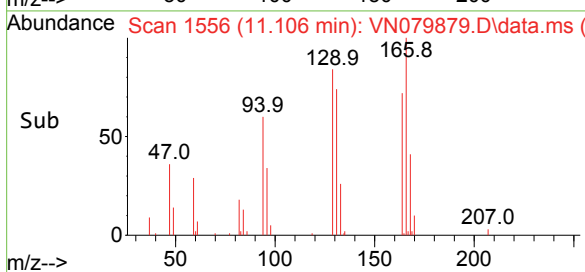
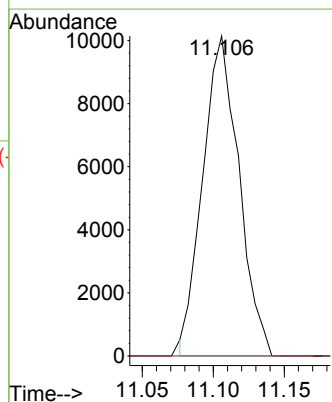
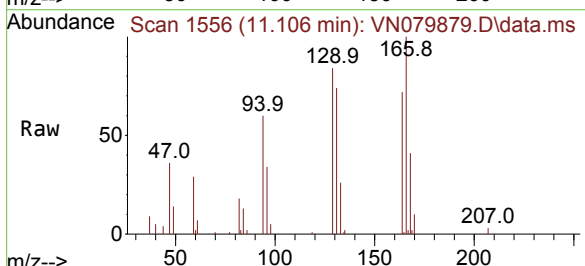
Acq: 04 Nov 2023 05:56

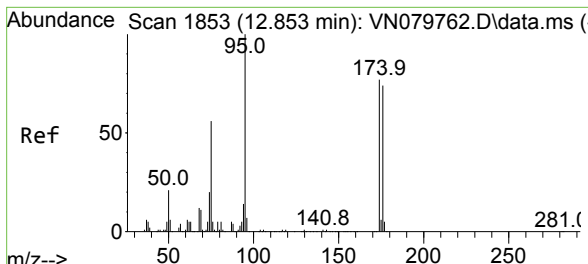
Tgt Ion: 129 Resp: 17951

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

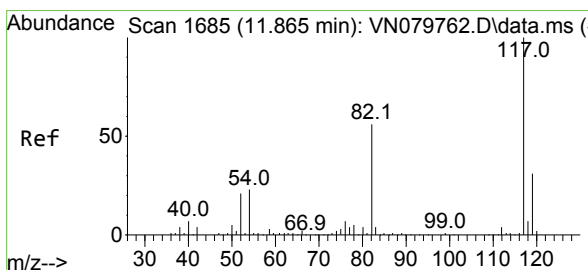
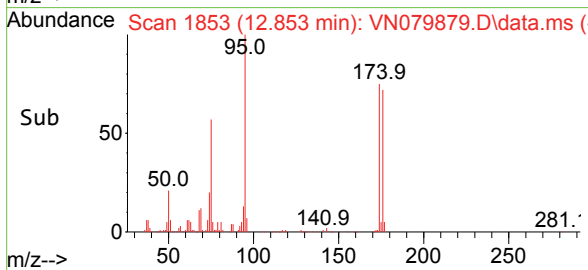
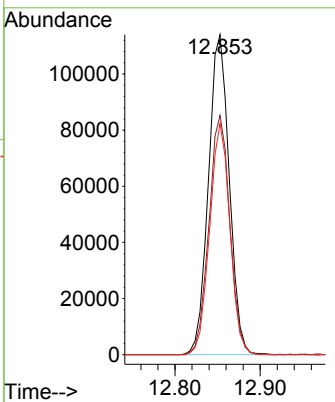
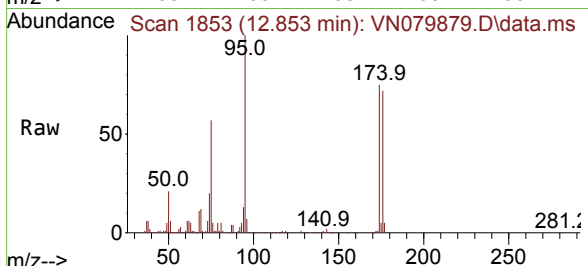




#62
 4-Bromofluorobenzene
 Concen: 46.985 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079879.D
 Acq: 04 Nov 2023 05:56

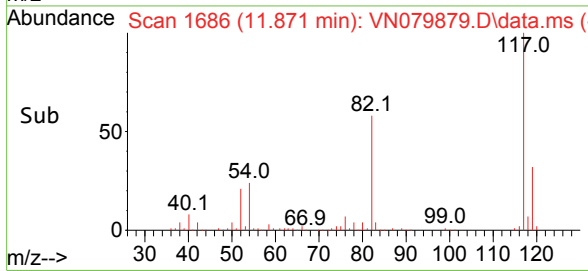
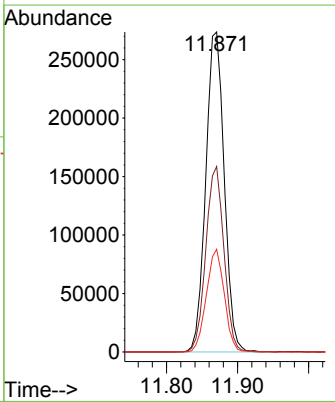
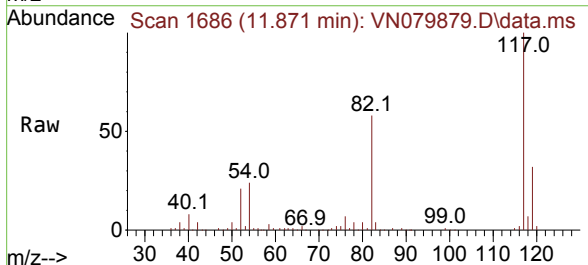
Instrument :
 MSVOA_N
 ClientSampleId :

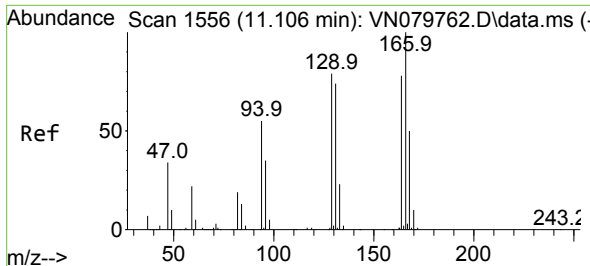
Tgt Ion:	95	Resp:	193331
Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	143.8
176	70.0	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079879.D
 Acq: 04 Nov 2023 05:56

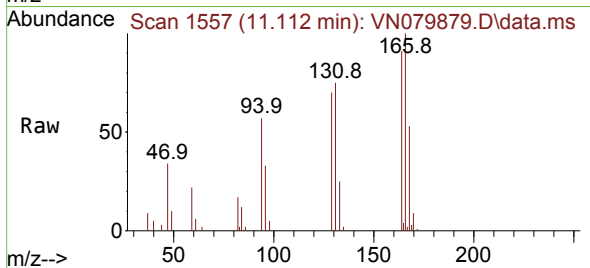
Tgt Ion:	117	Resp:	493421
Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.0	66.0
119	32.1	25.6	38.4



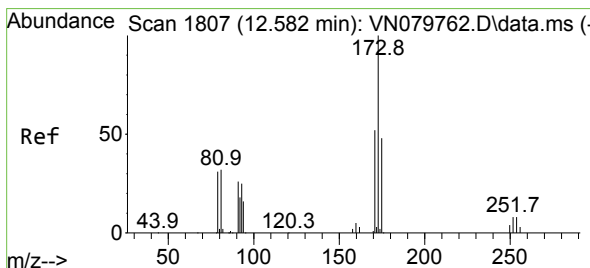
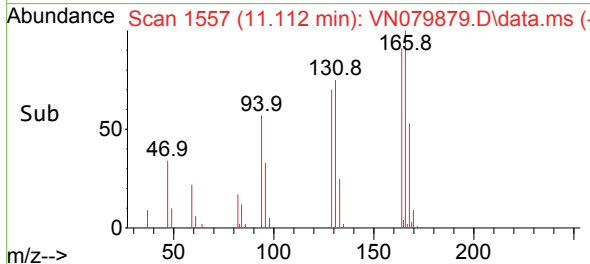
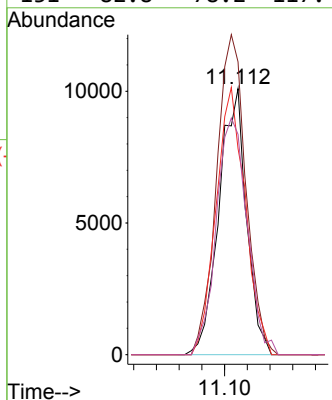


#64
Tetrachloroethene
Concen: 5.292 ug/l
RT: 11.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

Instrument :
MSVOA_N
ClientSampleId :

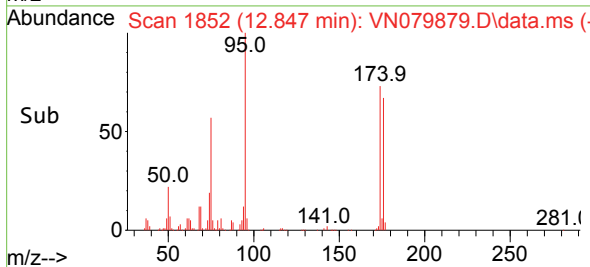
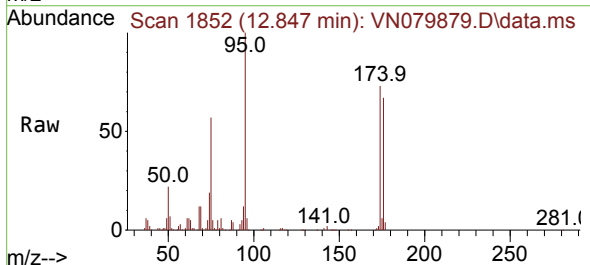
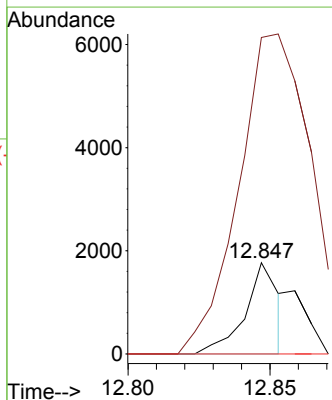


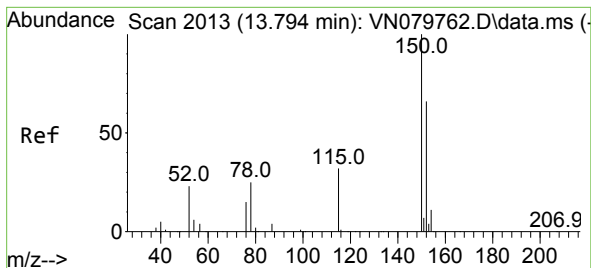
Tgt Ion:164 Resp: 16911
Ion Ratio Lower Upper
164 100
166 110.0 101.4 152.0
129 77.4 82.4 123.6#
131 82.8 78.2 117.4



#71
Bromoform
Concen: 0.531 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079879.D
Acq: 04 Nov 2023 05:56

Tgt Ion:173 Resp: 1454
Ion Ratio Lower Upper
173 100
175 606.5 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN079879.D

Acq: 04 Nov 2023 05:56

Instrument :

MSVOA_N

ClientSampleId :

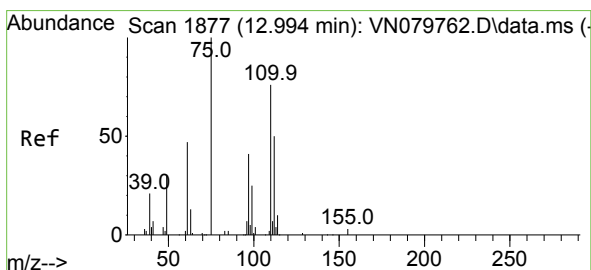
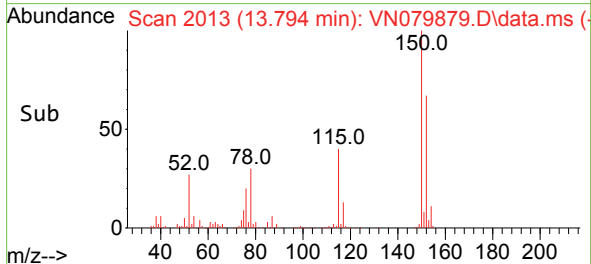
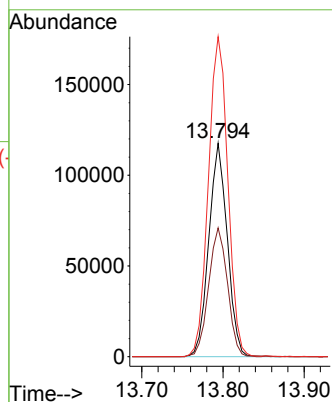
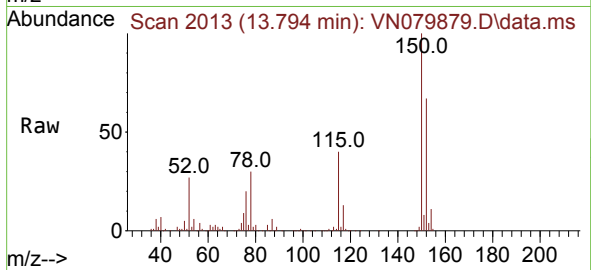
Tgt Ion:152 Resp: 185940

Ion Ratio Lower Upper

152 100

115 61.6 32.3 96.8

150 157.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.535 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079879.D

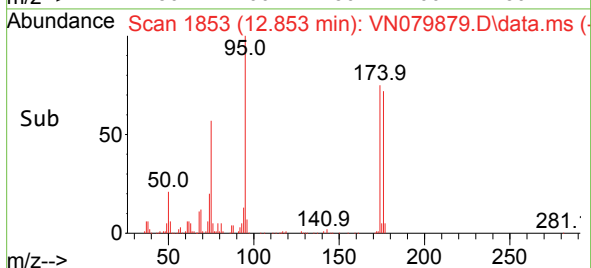
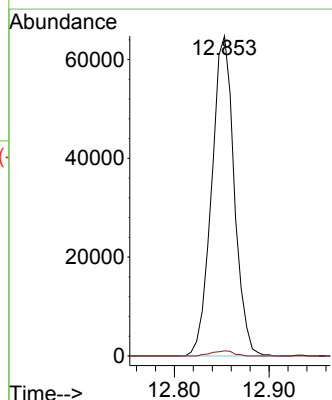
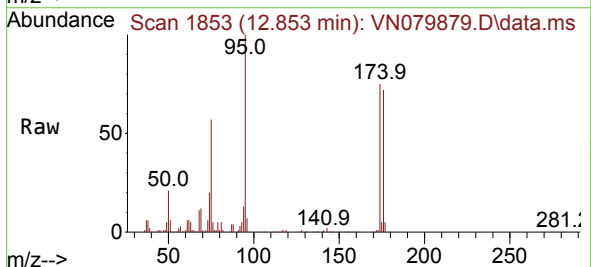
Acq: 04 Nov 2023 05:56

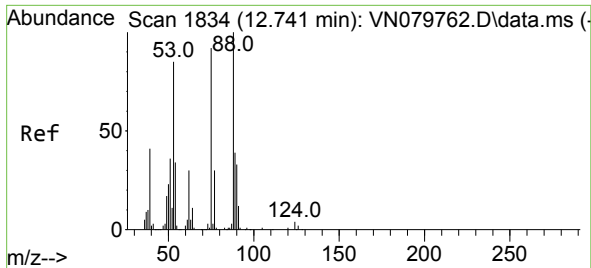
Tgt Ion: 75 Resp: 107104

Ion Ratio Lower Upper

75 100

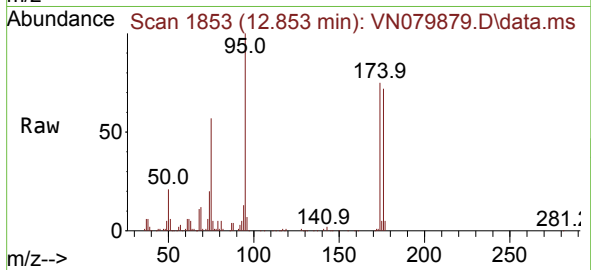
77 1.6 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.754 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079879.D
 Acq: 04 Nov 2023 05:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 107104
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.4 101.2#
 89 0.0 38.8 58.2#

