

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079234.D
 Acq On : 12 Sep 2023 12:46
 Operator : JC\MD
 Sample : VN0912WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 01:31:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

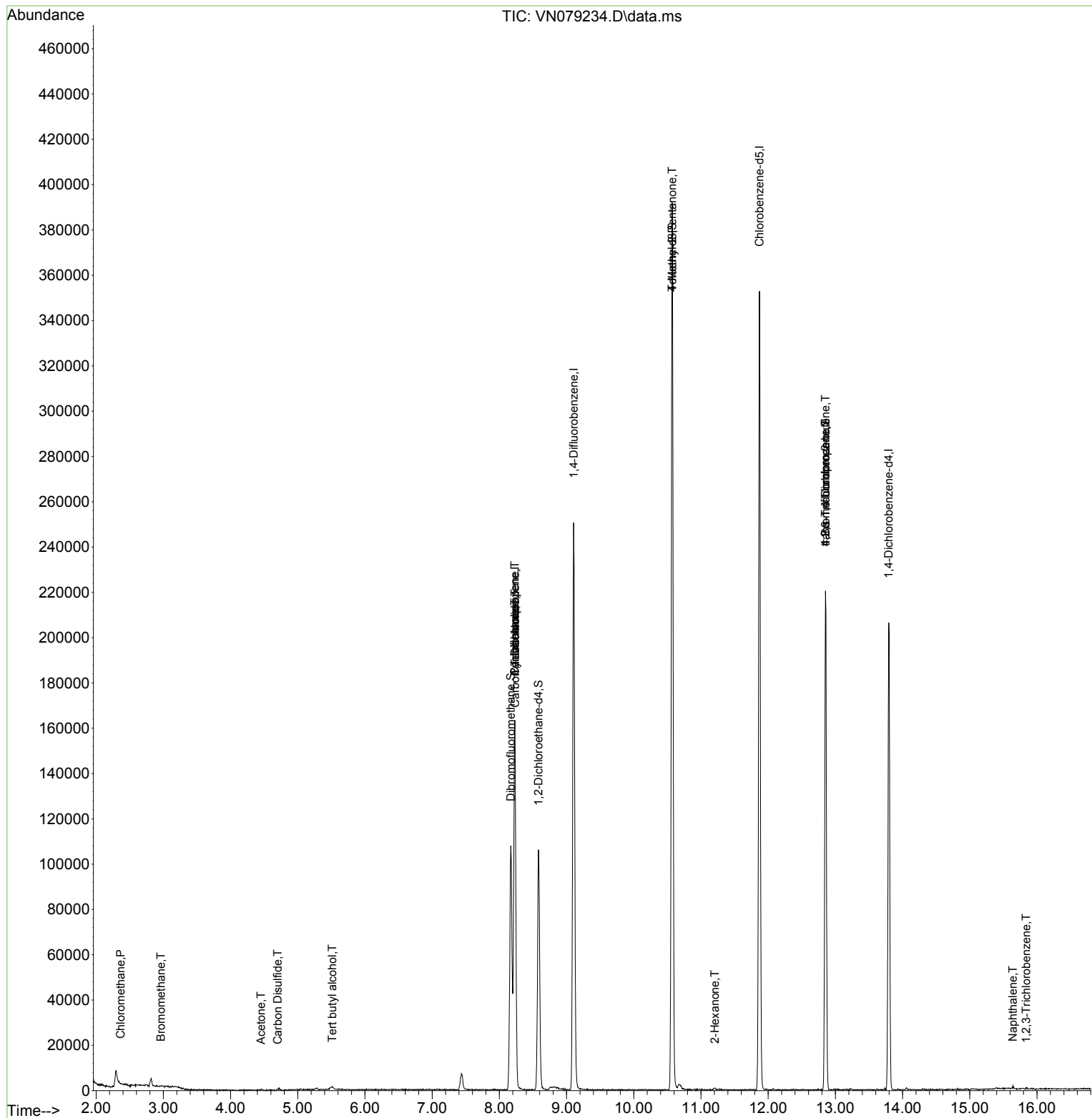
Internal Standards						
1) Pentafluorobenzene	8.229	168	124353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	223010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	213581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	59313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	85113	50.703	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.400%	
35) Dibromofluoromethane	8.171	113	79417	53.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.080%	
50) Toluene-d8	10.571	98	278805	51.186	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.853	95	81925	47.152	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	356	0.220	ug/l #	42
5) Bromomethane	2.965	94	240	0.237	ug/l	95
6) Chloroethane	3.071	64	482	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	1193	3.849	ug/l #	72
16) Acetone	4.453	43	360	0.505	ug/l #	40
17) Carbon Disulfide	4.700	76	1096	0.264	ug/l #	75
31) Cyclohexane	8.229	56	2261	0.922	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	9295	4.065	ug/l #	48
38) Carbon Tetrachloride	8.235	117	12699	5.367	ug/l #	14
51) 4-Methyl-2-Pentanone	10.571	43	1076	0.498	ug/l #	1
59) 2-Hexanone	11.206	43	526	0.336	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	39861	24.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39861	68.553	ug/l #	15
95) Naphthalene	15.641	128	1288	0.545	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.841	180	361	0.385	ug/l #	73

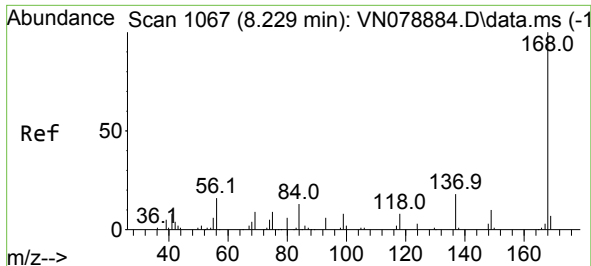
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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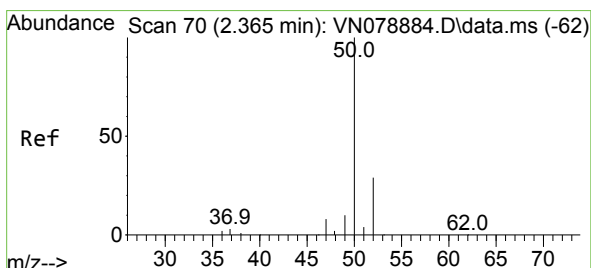
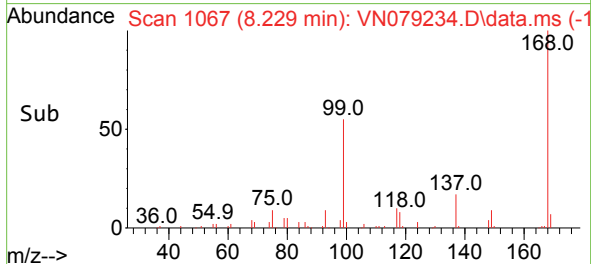
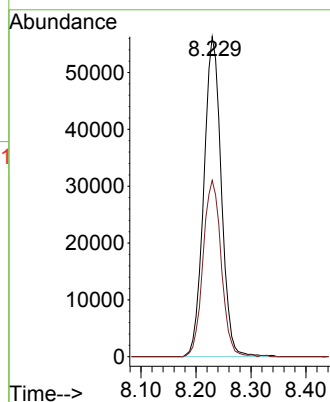
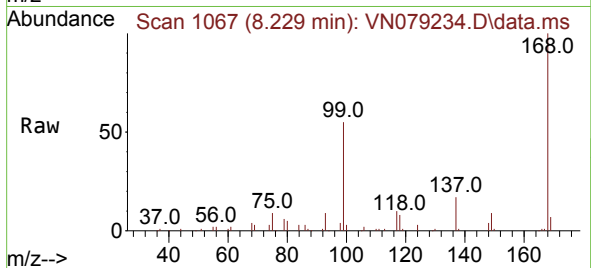




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

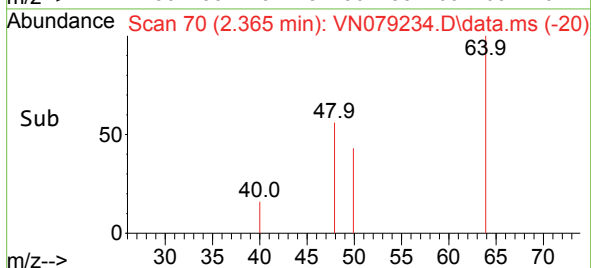
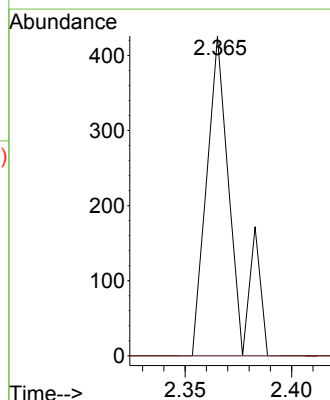
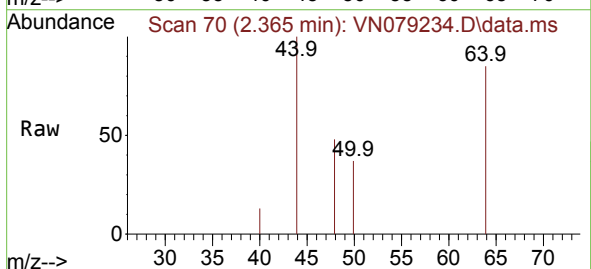
Instrument :
MSVOA_N
ClientSampleId :

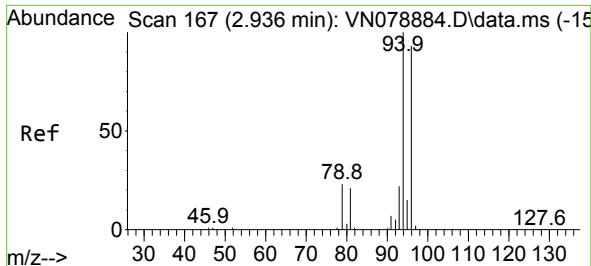
Tgt Ion:168 Resp: 124353
Ion Ratio Lower Upper
168 100
99 55.1 53.0 79.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.237 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.017 min

Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

Instrument :

MSVOA_N

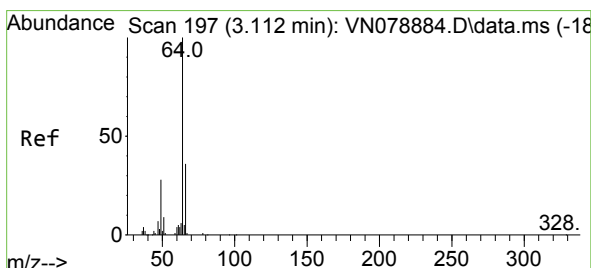
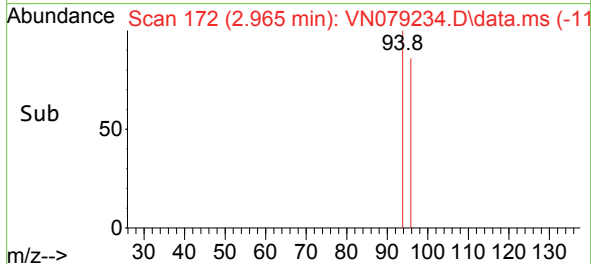
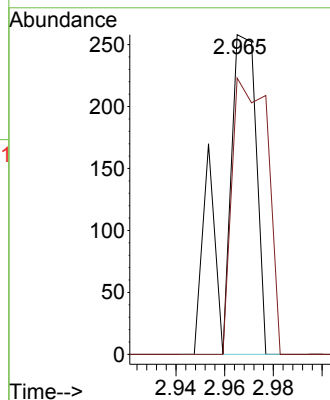
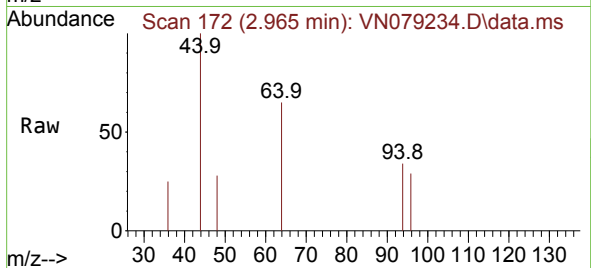
ClientSampleId :

Tgt Ion: 94 Resp: 240

Ion Ratio Lower Upper

94 100

96 86.4 73.1 109.7



#6

Chloroethane

Concen: Below Cal

RT: 3.071 min Scan# 190

Delta R.T. -0.047 min

Lab File: VN079234.D

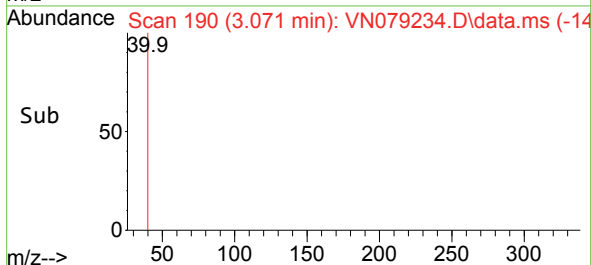
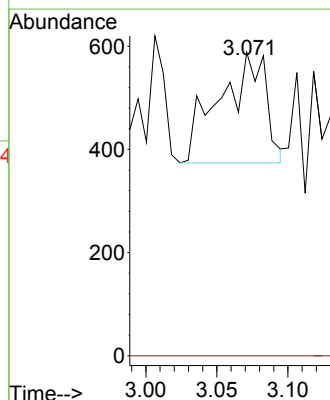
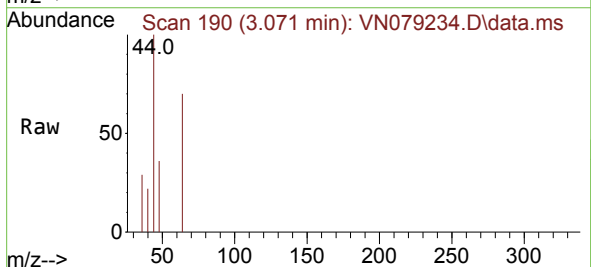
Acq: 12 Sep 2023 12:46

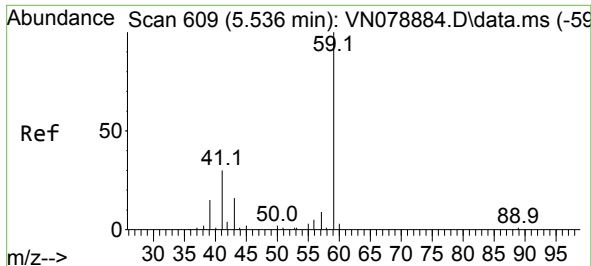
Tgt Ion: 64 Resp: 482

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

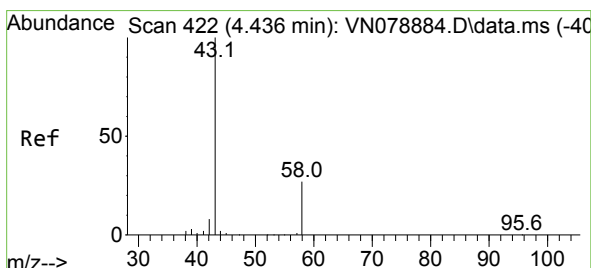
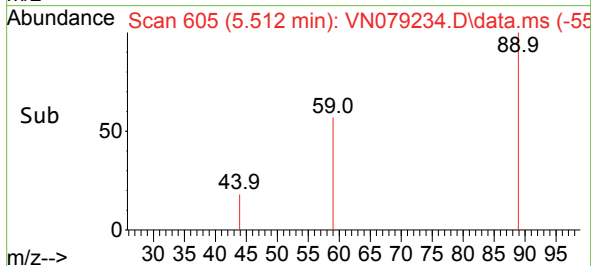
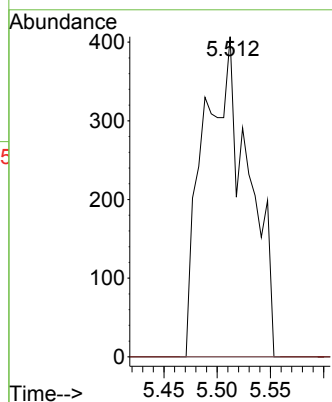
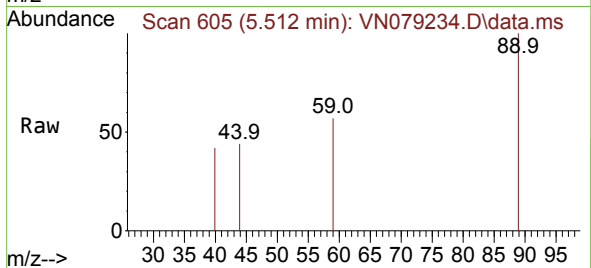




#11
Tert butyl alcohol
Concen: 3.849 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.030 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

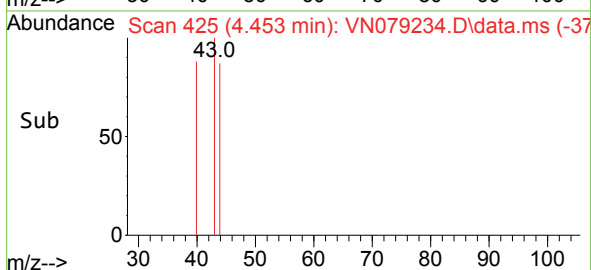
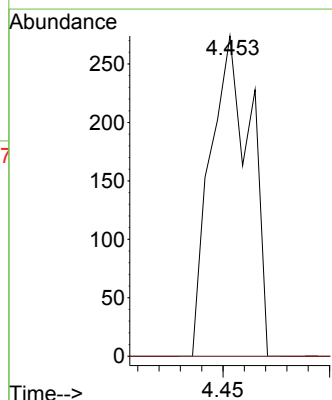
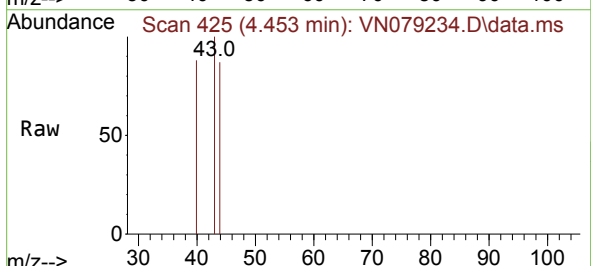
Instrument :
MSVOA_N
ClientSampleId :

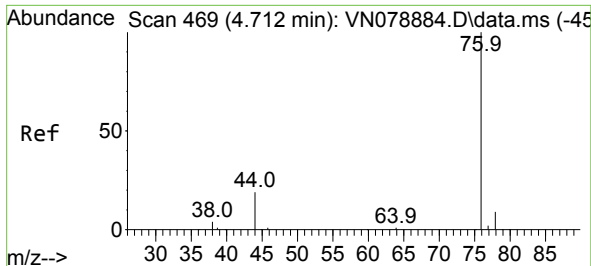
Tgt Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.505 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

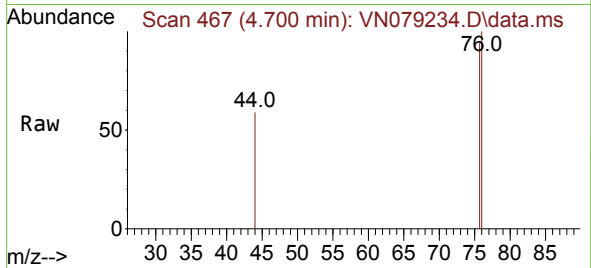
Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



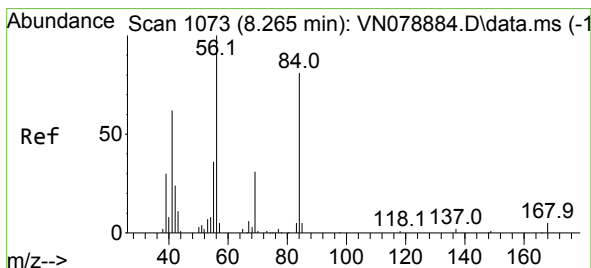
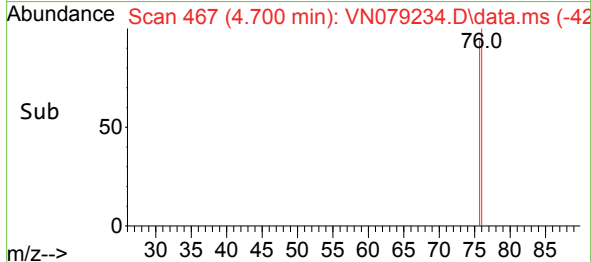
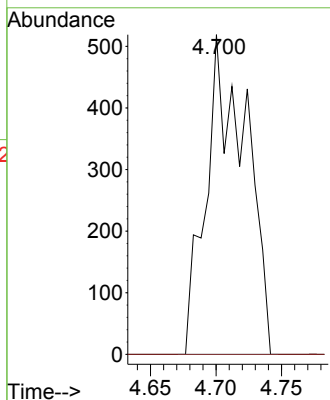


#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.024 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

Instrument :
MSVOA_N
ClientSampleId :

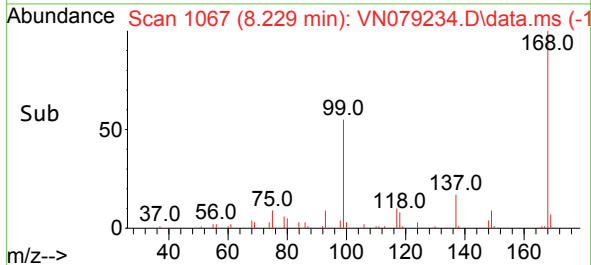
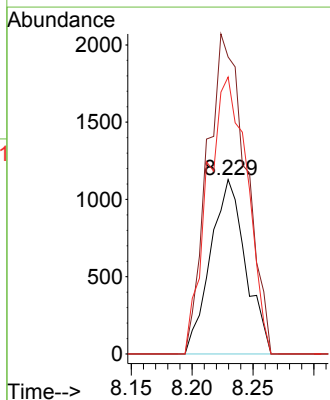
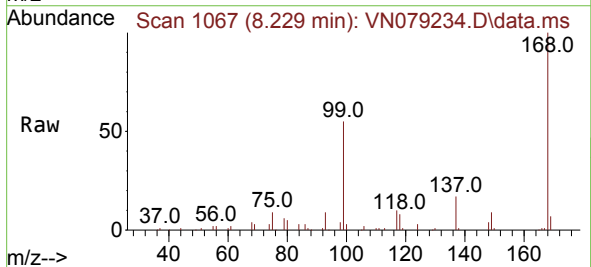


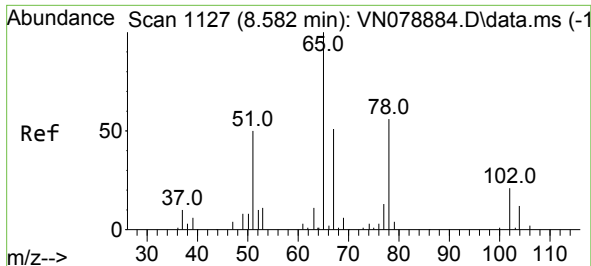
Tgt Ion: 76 Resp: 1096
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 0.922 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

Tgt Ion: 56 Resp: 2261
Ion Ratio Lower Upper
56 100
69 170.2 26.8 40.2#
84 158.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 50.703 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

Instrument :

MSVOA_N

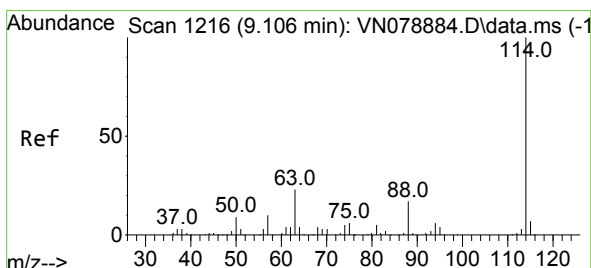
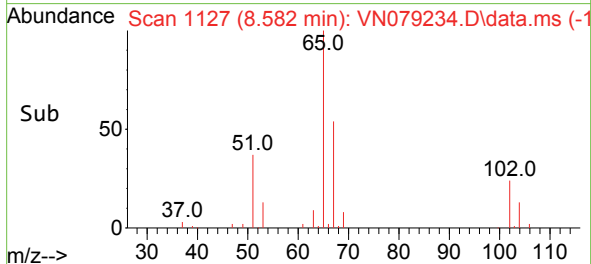
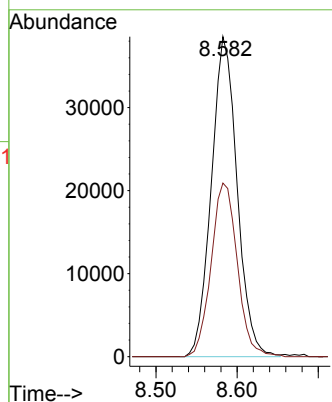
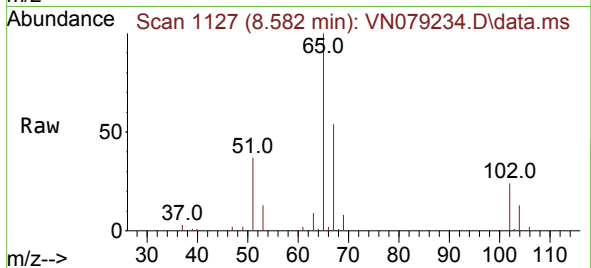
ClientSampleId :

Tgt Ion: 65 Resp: 85113

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

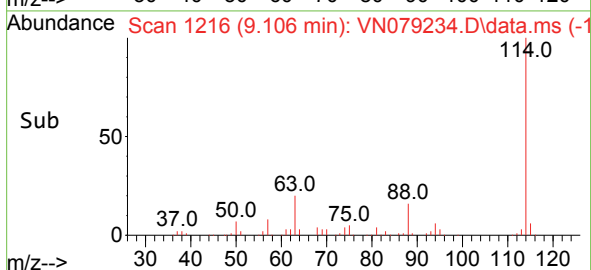
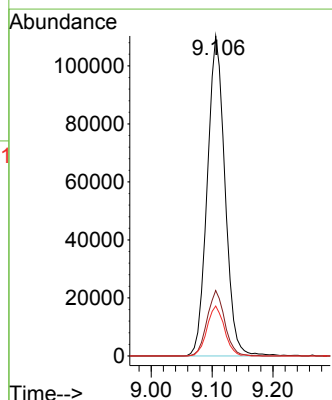
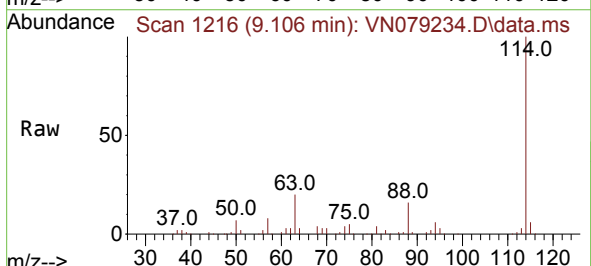
Tgt Ion: 114 Resp: 223010

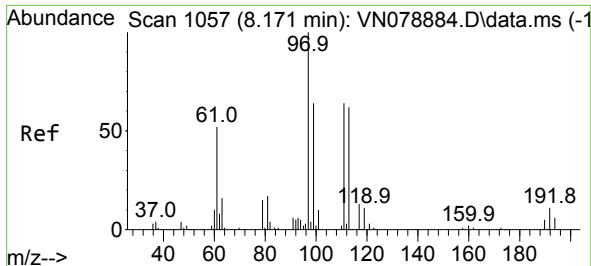
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.536 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

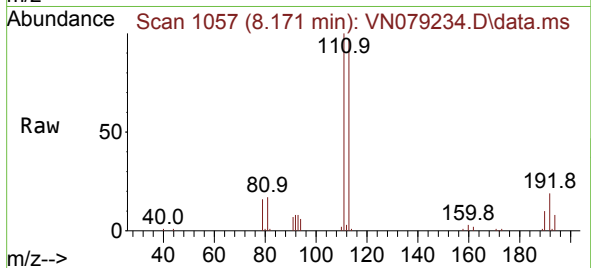
Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :



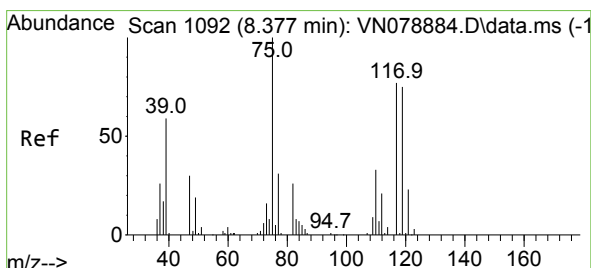
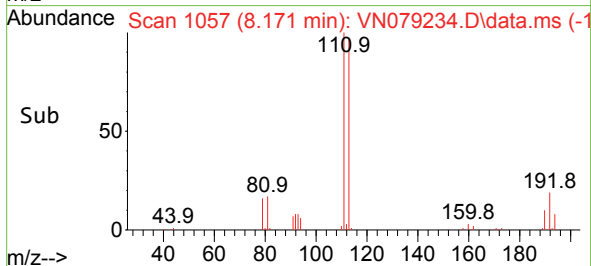
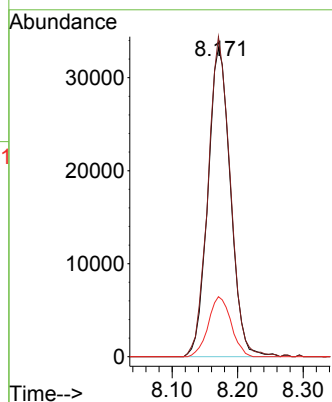
Tgt Ion:113 Resp: 79417

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

192 19.6 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.065 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

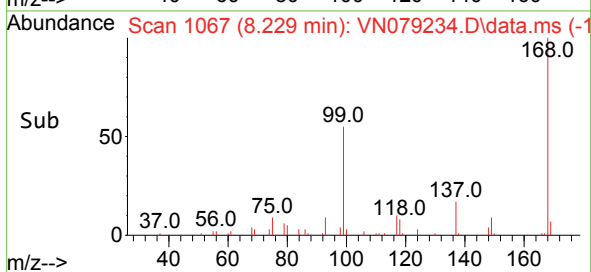
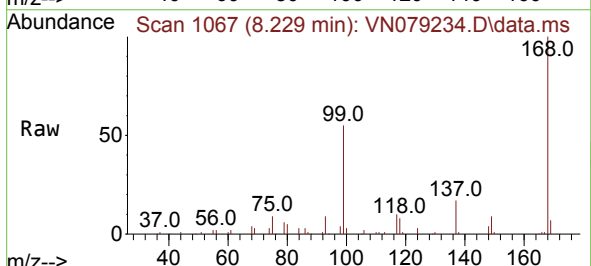
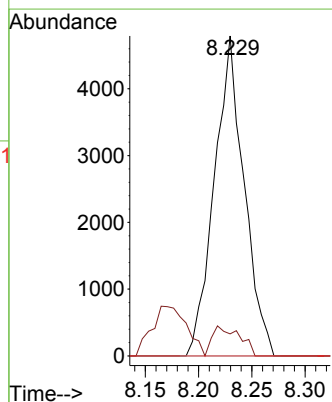
Tgt Ion: 75 Resp: 9295

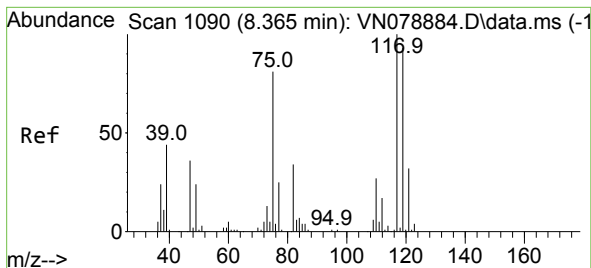
Ion Ratio Lower Upper

75 100

110 8.6 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.367 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

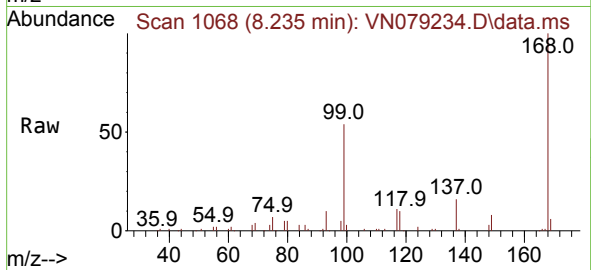
Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :



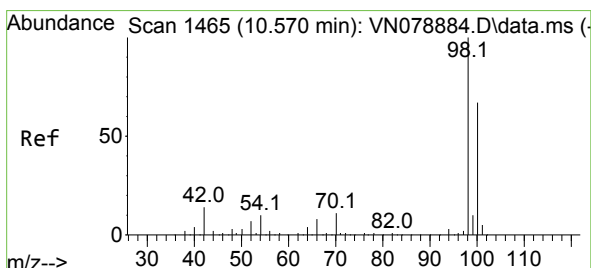
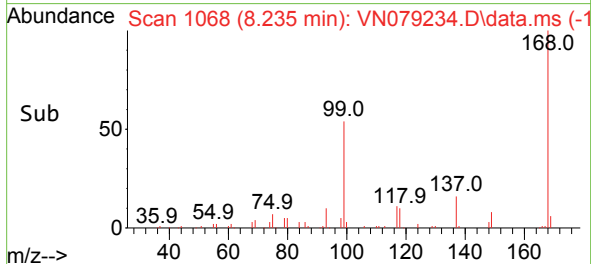
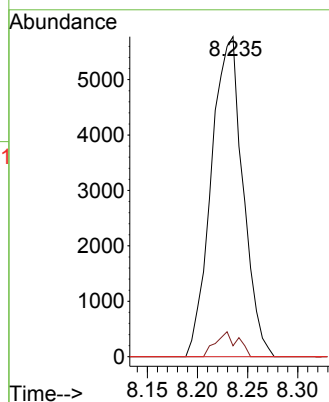
Tgt Ion:117 Resp: 12699

Ion Ratio Lower Upper

117 100

119 3.4 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.186 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079234.D

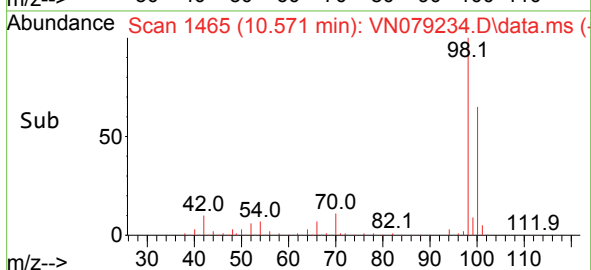
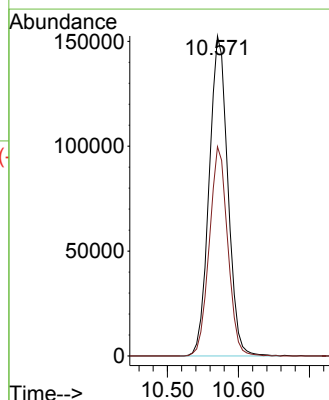
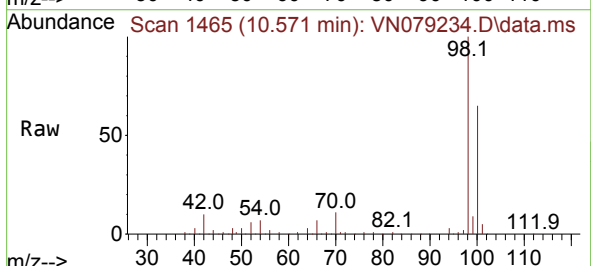
Acq: 12 Sep 2023 12:46

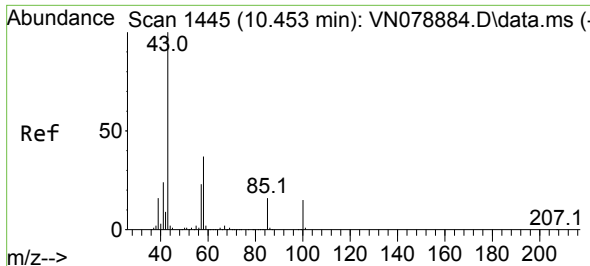
Tgt Ion: 98 Resp: 278805

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

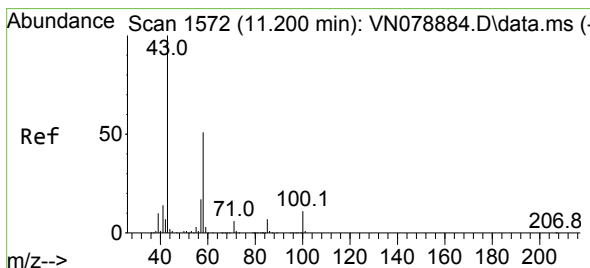
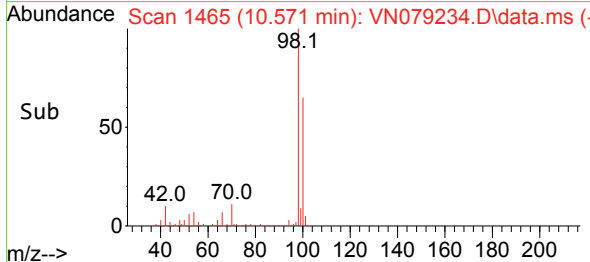
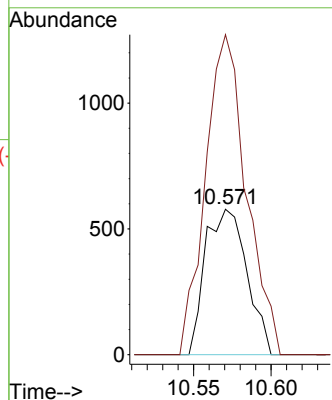
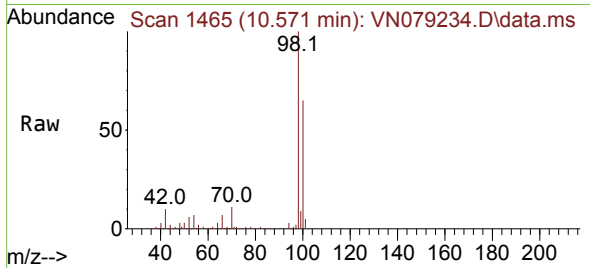




#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 10.571 min Scan# 1445
Delta R.T. 0.118 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

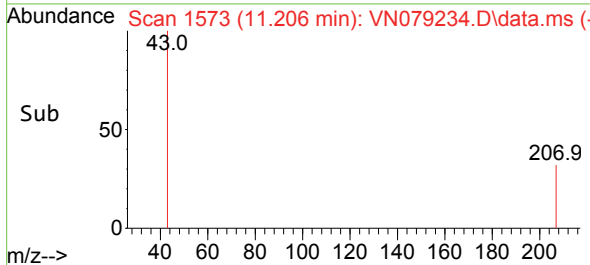
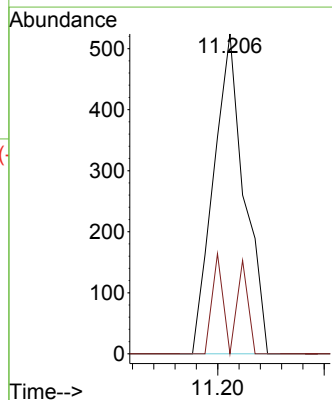
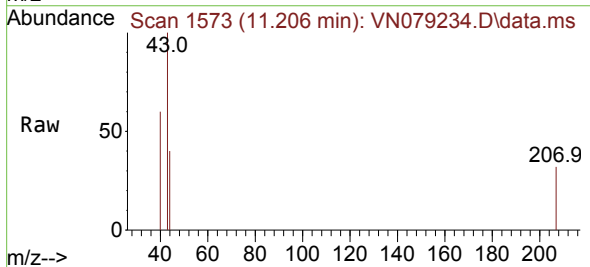
Instrument :
MSVOA_N
ClientSampleId :

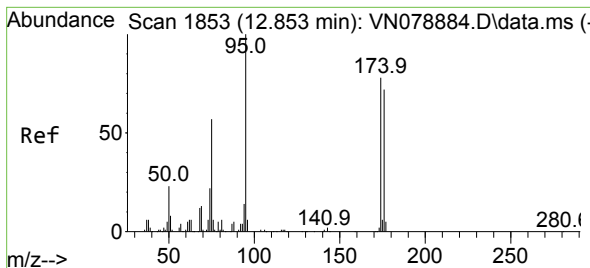
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
58 217.3 36.6 54.8#



#59
2-Hexanone
Concen: 0.336 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
58 21.3 31.7 95.1#

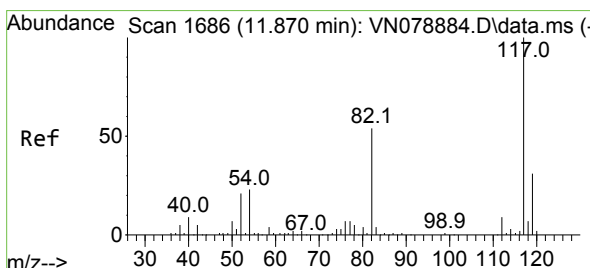
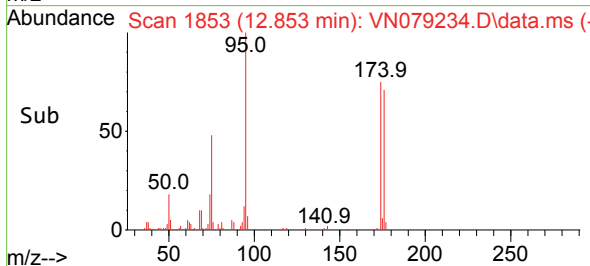
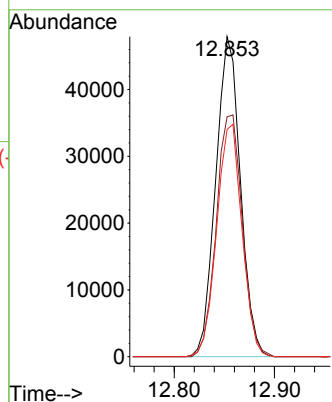
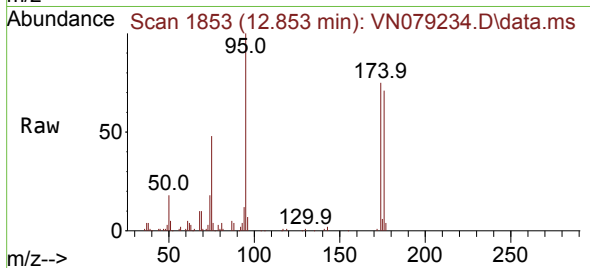




#62
4-Bromofluorobenzene
Concen: 47.152 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

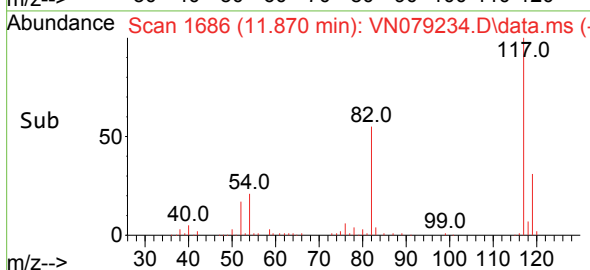
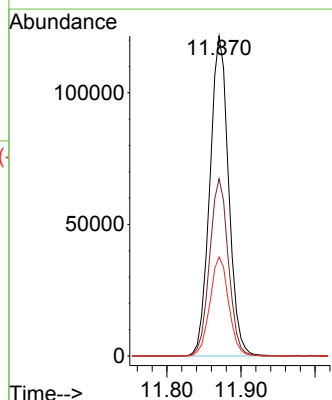
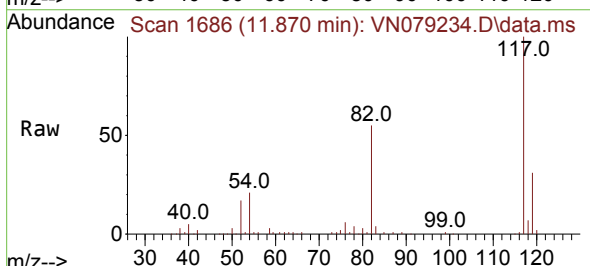
Instrument :
MSVOA_N
ClientSampleId :

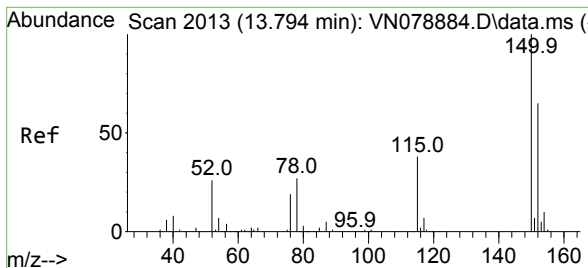
Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.7	0.0	143.8
176	74.4	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079234.D
Acq: 12 Sep 2023 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.0	66.0
119	30.9	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min MSVOA_N

Lab File: VN079234.D

Acq: 12 Sep 2023 12:46

Instrument :

MSVOA_N

ClientSampleId :

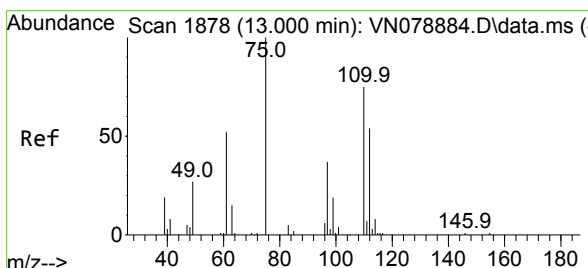
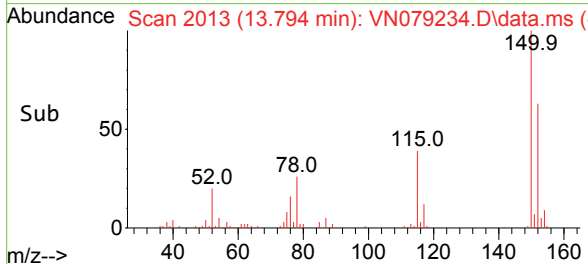
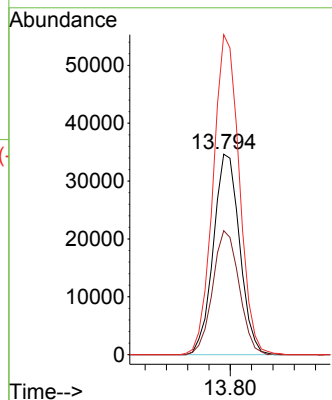
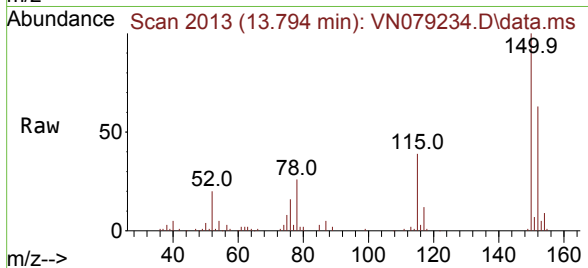
Tgt Ion:152 Resp: 59313

Ion Ratio Lower Upper

152 100

115 62.4 32.3 96.8

150 159.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 24.936 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079234.D

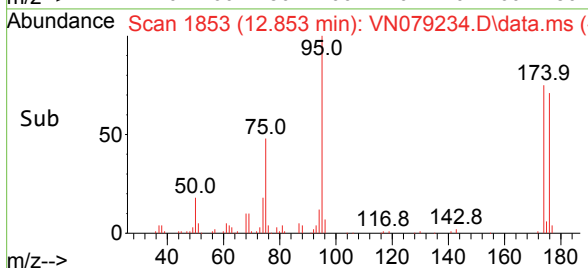
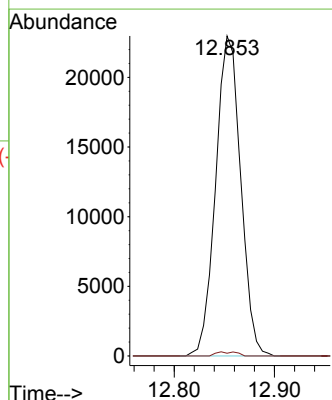
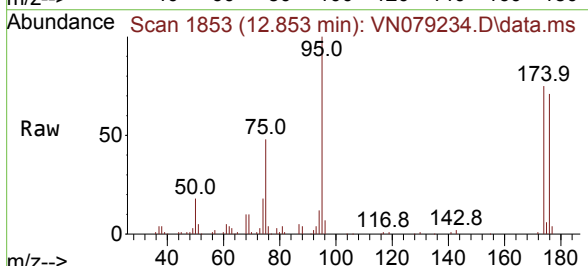
Acq: 12 Sep 2023 12:46

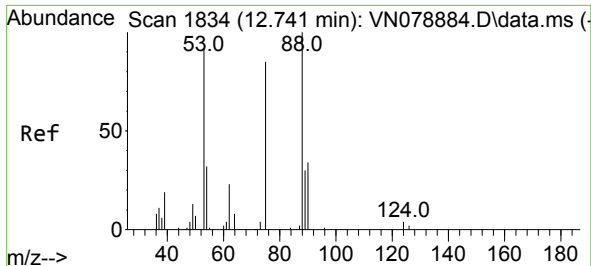
Tgt Ion: 75 Resp: 39861

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#

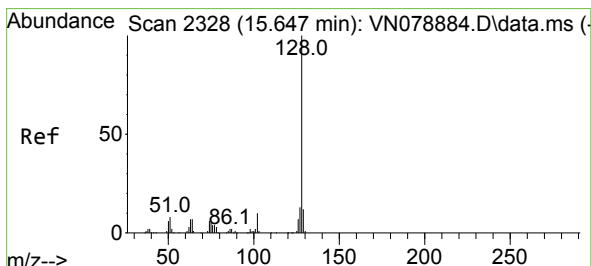
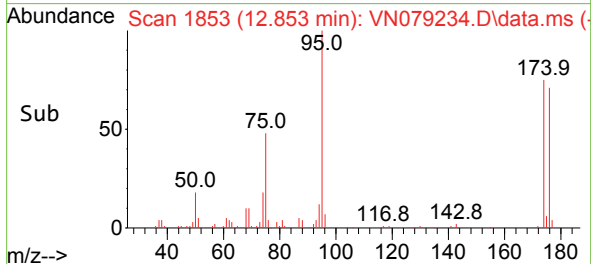
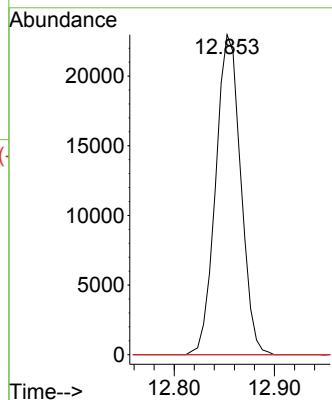
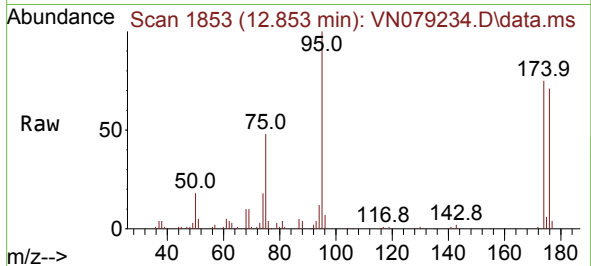




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.553 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079234.D
 Acq: 12 Sep 2023 12:46

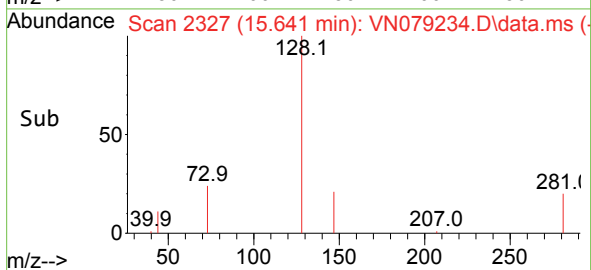
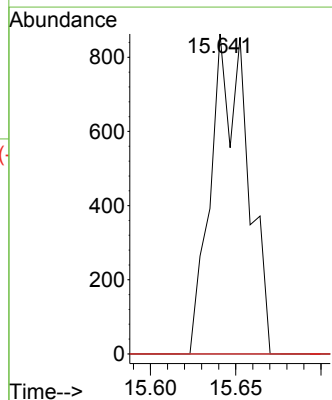
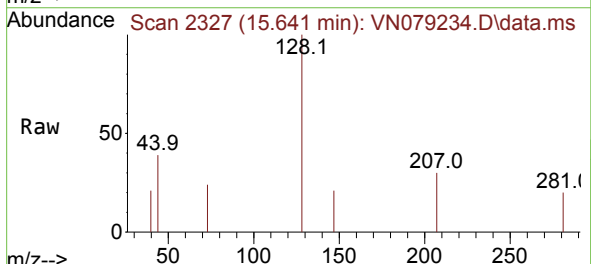
Instrument :
 MSVOA_N
 ClientSampleId :

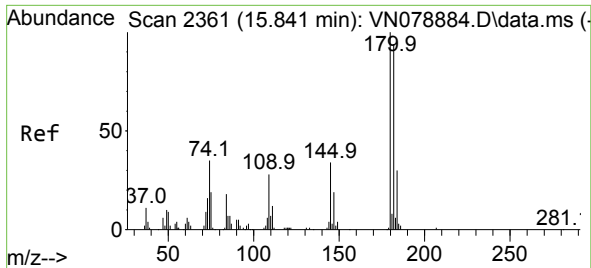
Tgt Ion: 75 Resp: 39861
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#95
 Naphthalene
 Concen: 0.545 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. -0.006 min
 Lab File: VN079234.D
 Acq: 12 Sep 2023 12:46

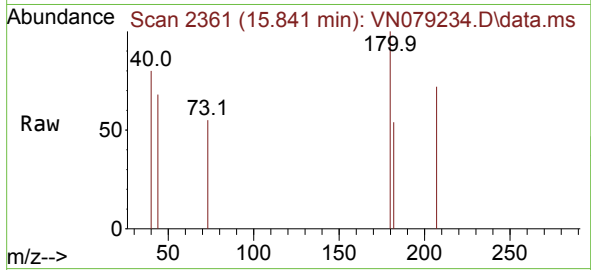
Tgt Ion:128 Resp: 1288
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.385 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN079234.D
 Acq: 12 Sep 2023 12:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	78.7	46.2	138.6
145	0.0	17.5	52.6#

