

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079878.D
 Acq On : 04 Nov 2023 05:32
 Operator : JC\MD
 Sample : 05223-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 06:14:27 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)

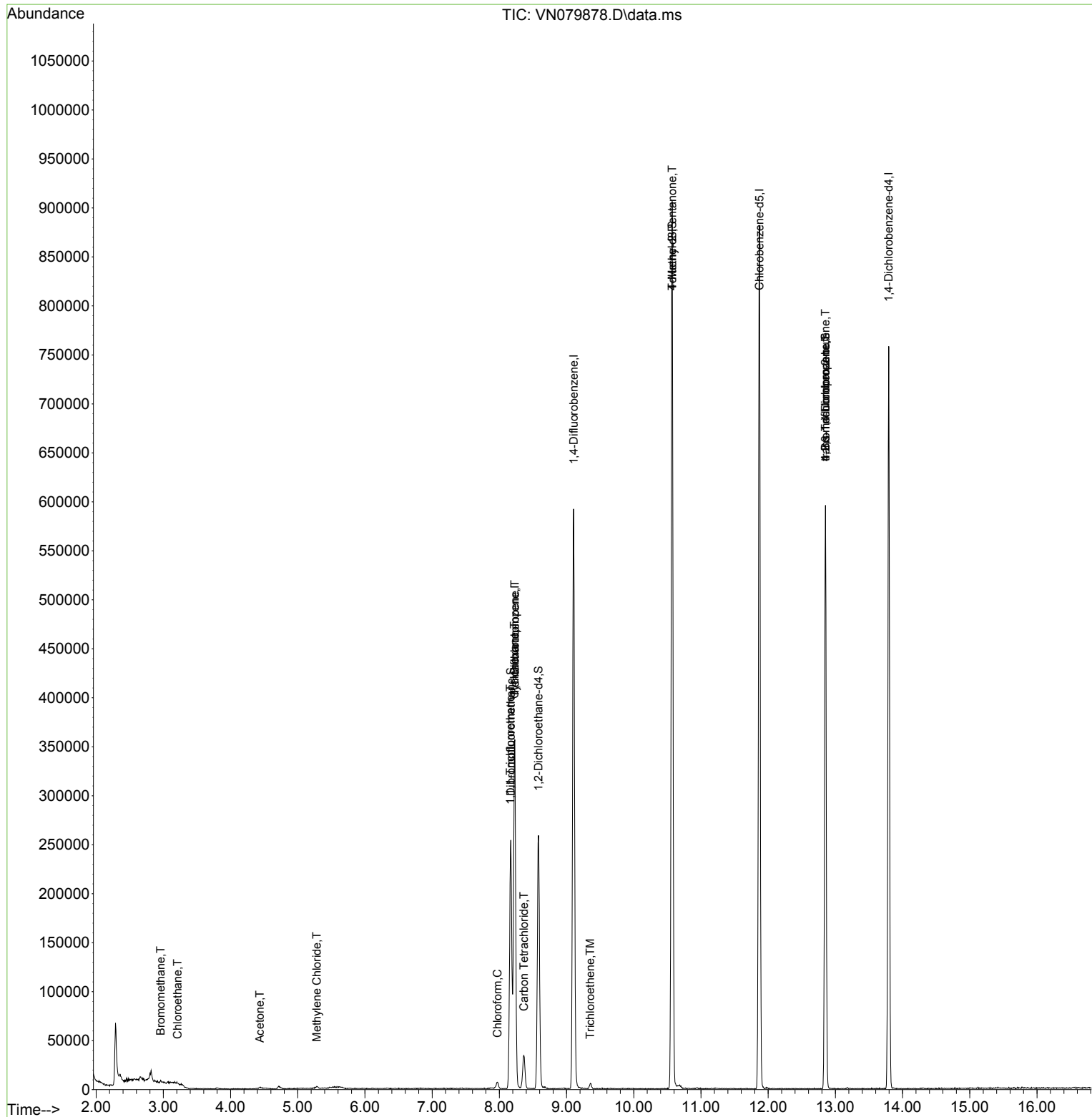
Internal Standards						
1) Pentafluorobenzene	8.230	168	249370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	489794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	213187	56.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.220%
35) Dibromofluoromethane	8.171	113	177316	51.002	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.000%
50) Toluene-d8	10.571	98	598793	46.785	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.580%
62) 4-Bromofluorobenzene	12.853	95	198793	46.833	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	2465	Below Cal	#	86
5) Bromomethane	2.959	94	863	0.361	ug/l	86
6) Chloroethane	3.212	64	1789	0.576	ug/l #	43
16) Acetone	4.436	43	1670	1.251	ug/l #	72
20) Methylene Chloride	5.283	84	1045	0.310	ug/l #	69
30) Chloroform	7.971	83	7377	1.173	ug/l	95
31) Cyclohexane	8.224	56	6468	1.288	ug/l #	34
32) 1,1,1-Trichloroethane	8.165	97	2923	0.570	ug/l #	48
36) 1,1-Dichloropropene	8.230	75	22145	4.461	ug/l #	48
38) Carbon Tetrachloride	8.365	117	26168	5.231	ug/l	93
44) Trichloroethene	9.353	130	2315	0.627	ug/l	94
51) 4-Methyl-2-Pentanone	10.571	43	2578	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	111131	24.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111131	67.072	ug/l #	15

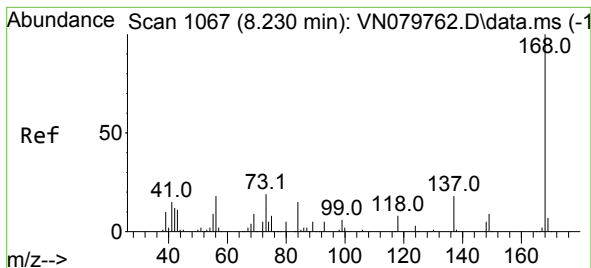
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

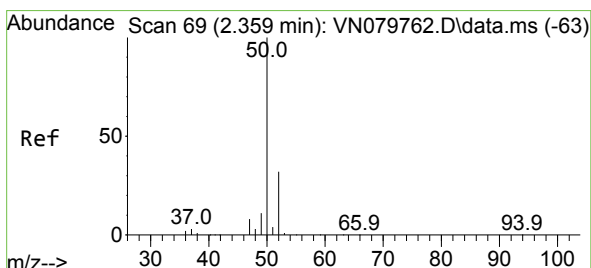
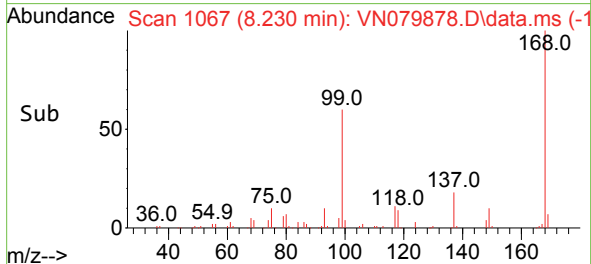
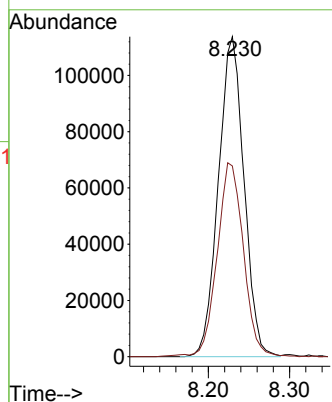
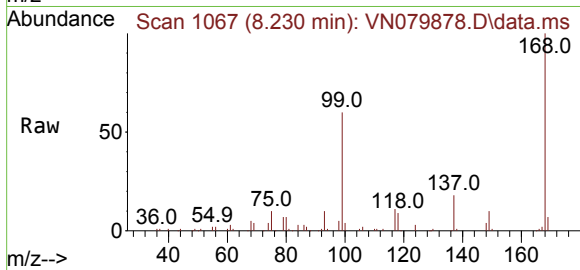
ClientSampleId :

Tgt Ion:168 Resp: 249370

Ion Ratio Lower Upper

168 100

99 59.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN079878.D

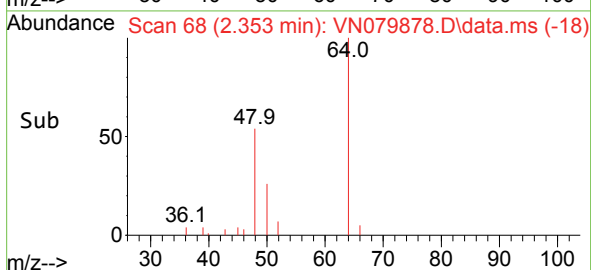
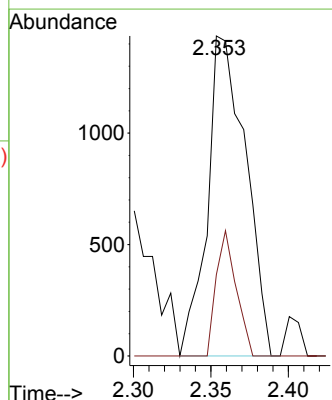
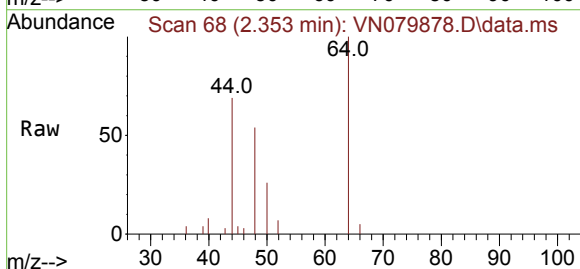
Acq: 04 Nov 2023 05:32

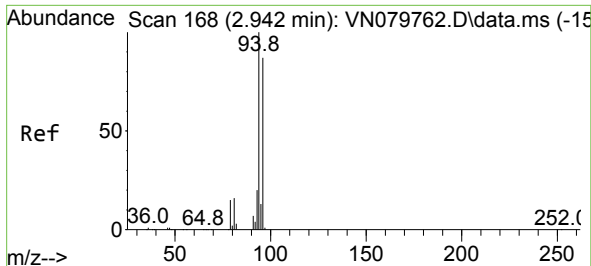
Tgt Ion: 50 Resp: 2465

Ion Ratio Lower Upper

50 100

52 25.4 26.5 39.7#

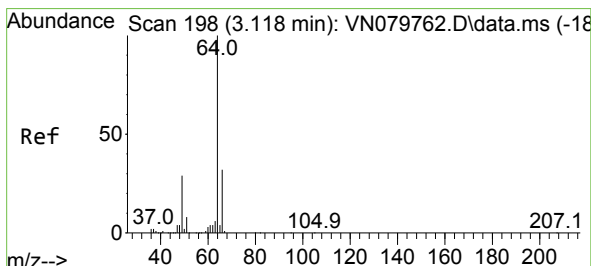
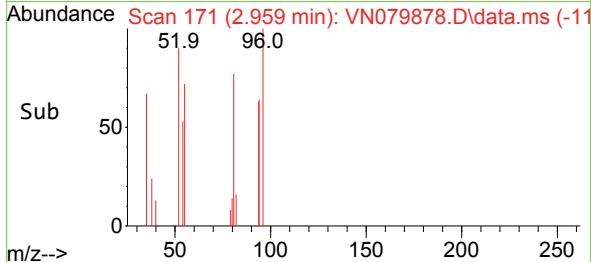
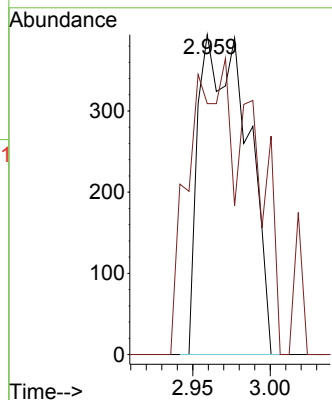
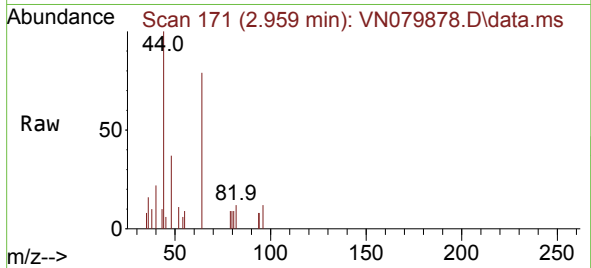




#5
Bromomethane
Concen: 0.361 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

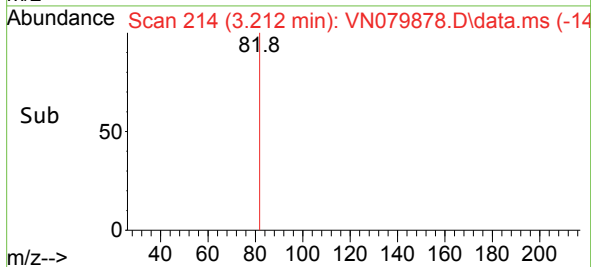
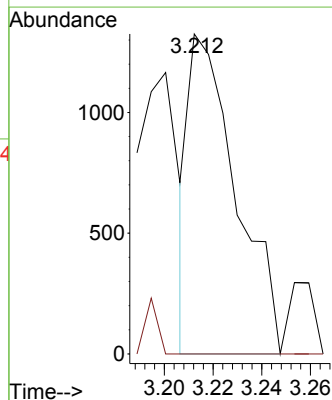
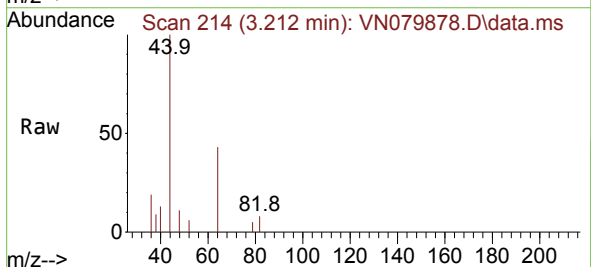
Instrument :
MSVOA_N
ClientSampleId :

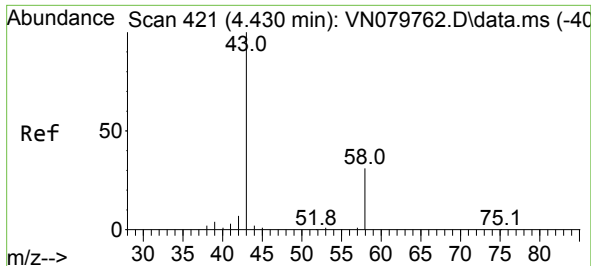
Tgt Ion: 94 Resp: 863
Ion Ratio Lower Upper
94 100
96 78.4 73.1 109.7



#6
Chloroethane
Concen: 0.576 ug/l
RT: 3.212 min Scan# 214
Delta R.T. 0.094 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

Tgt Ion: 64 Resp: 1789
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

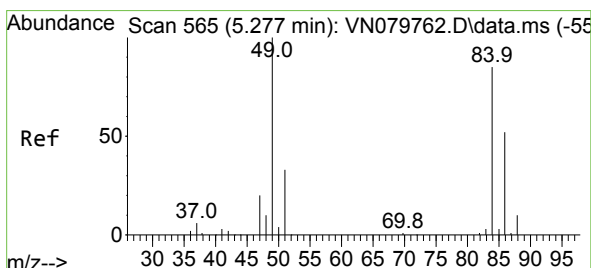
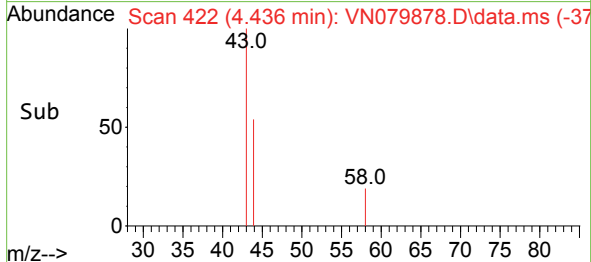
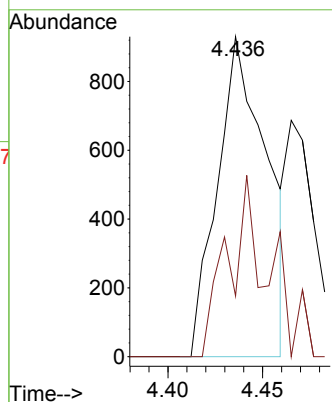
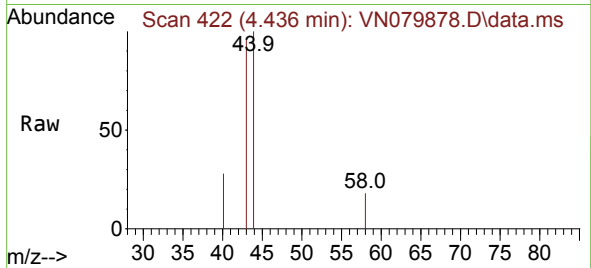




#16
Acetone
Concen: 1.251 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

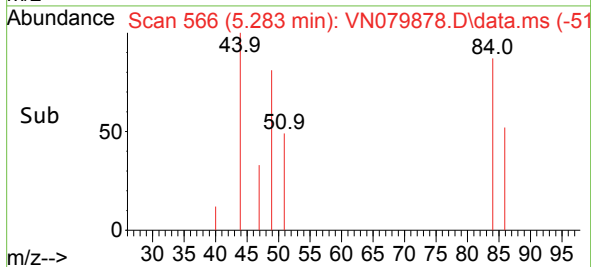
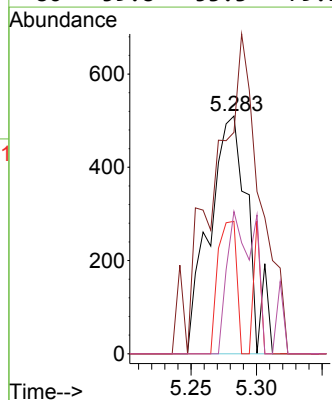
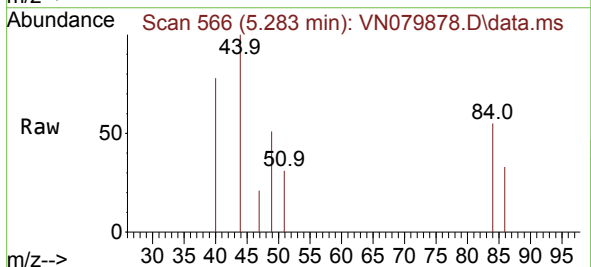
Instrument :
MSVOA_N
ClientSampleId :

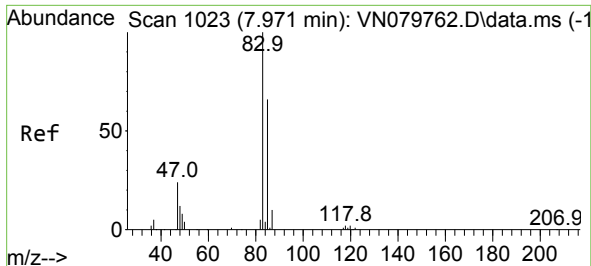
Tgt Ion: 43 Resp: 1670
Ion Ratio Lower Upper
43 100
58 18.9 28.0 42.0#



#20
Methylene Chloride
Concen: 0.310 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

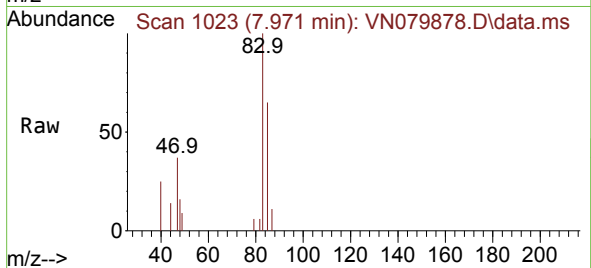
Tgt Ion: 84 Resp: 1045
Ion Ratio Lower Upper
84 100
49 57.1 79.7 119.5#
51 55.7 25.2 37.8#
86 59.8 53.3 79.9



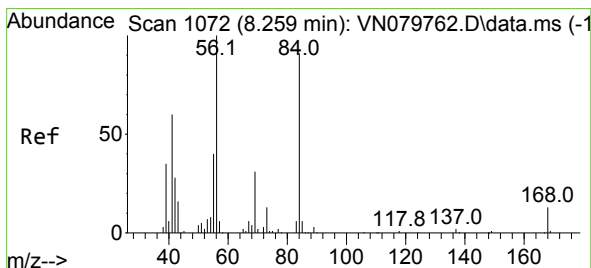
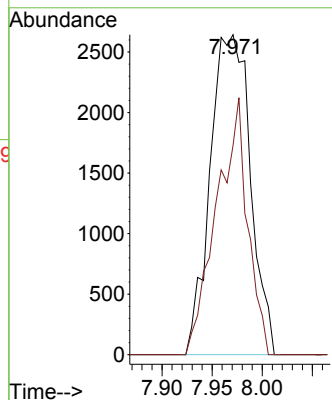
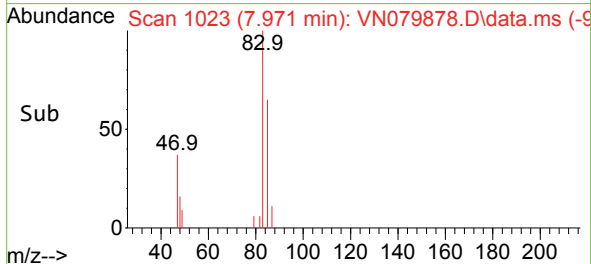


#30
Chloroform
Concen: 1.173 ug/l
RT: 7.971 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

Instrument :
MSVOA_N
ClientSampleId :

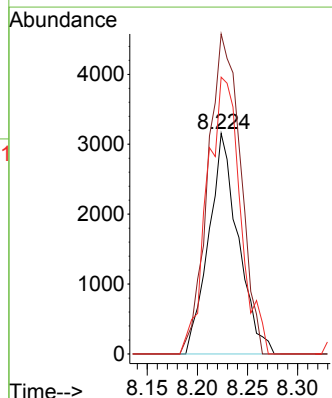
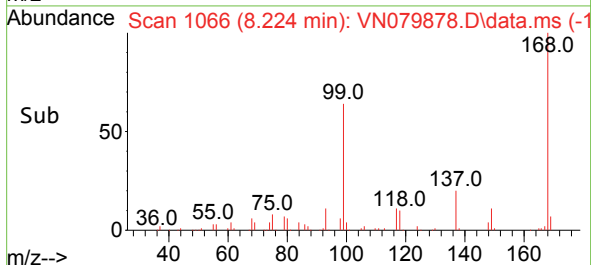
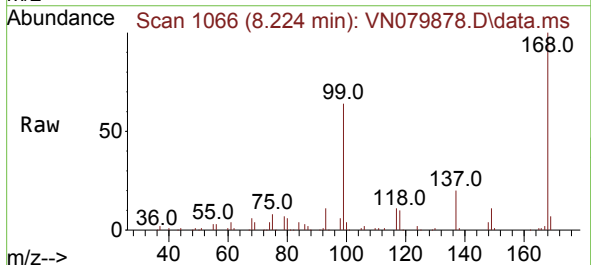


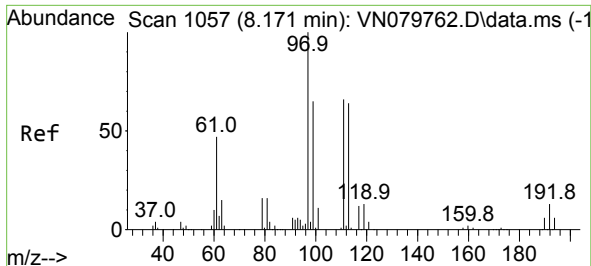
Tgt Ion: 83 Resp: 7377
Ion Ratio Lower Upper
83 100
85 65.3 55.4 83.0



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

Tgt Ion: 56 Resp: 6468
Ion Ratio Lower Upper
56 100
69 145.1 26.8 40.2#
84 125.5 81.8 122.6#





#32

1,1,1-Trichloroethane

Concen: 0.570 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

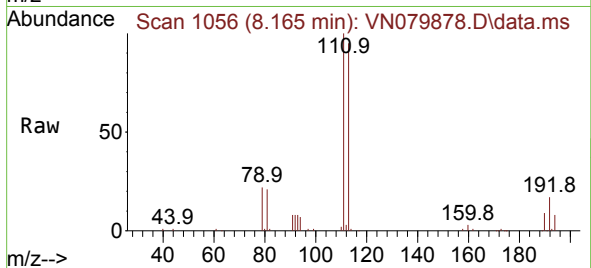
Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

ClientSampleId :



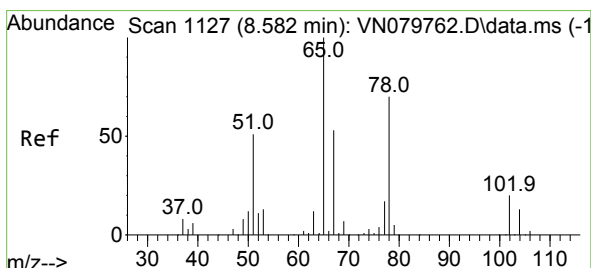
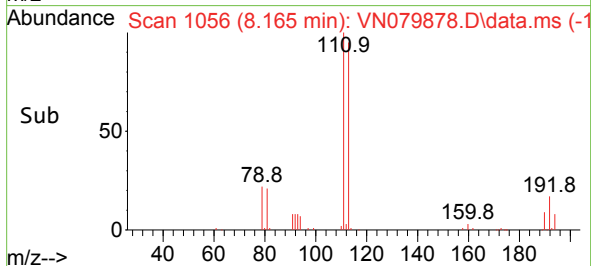
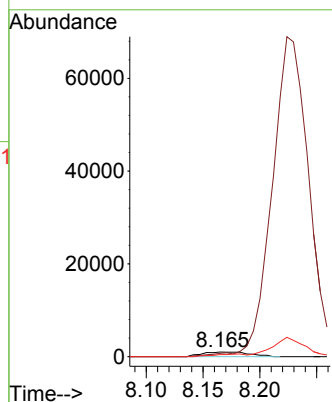
Tgt Ion: 97 Resp: 2923

Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 37.6 34.7 52.1



#33

1,2-Dichloroethane-d4

Concen: 56.113 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079878.D

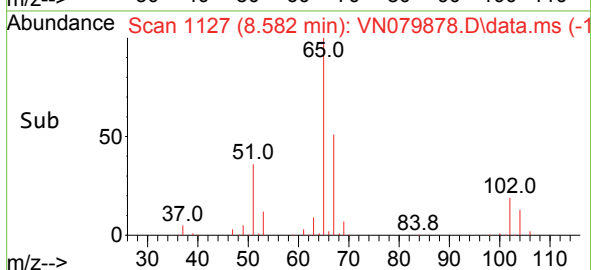
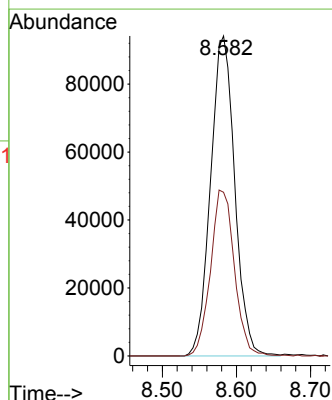
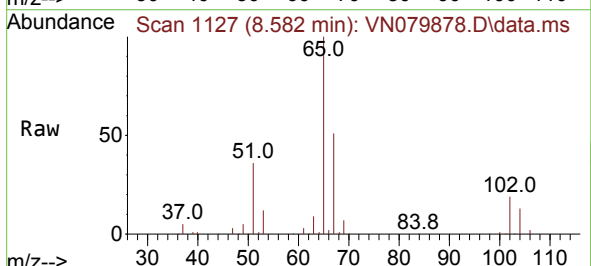
Acq: 04 Nov 2023 05:32

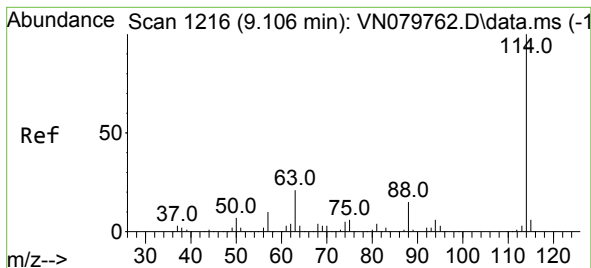
Tgt Ion: 65 Resp: 213187

Ion Ratio Lower Upper

65 100

67 51.3 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: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

ClientSampleId :

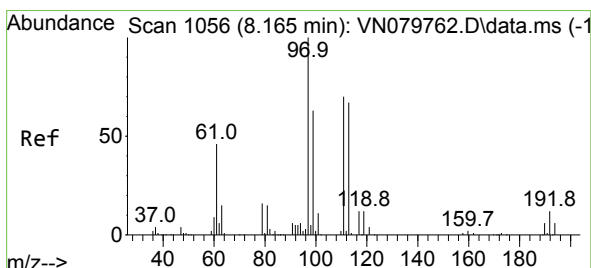
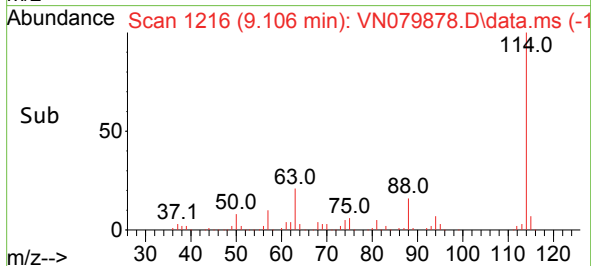
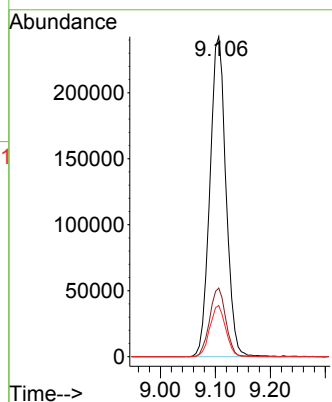
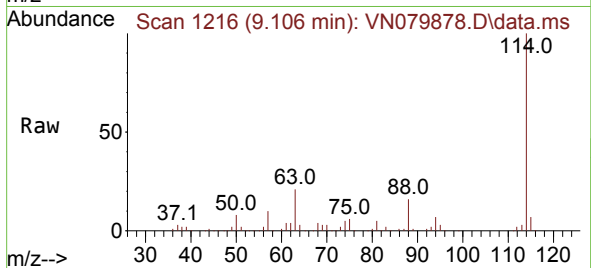
Tgt Ion:114 Resp: 491218

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.002 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

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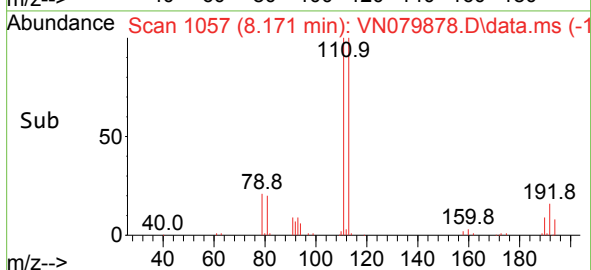
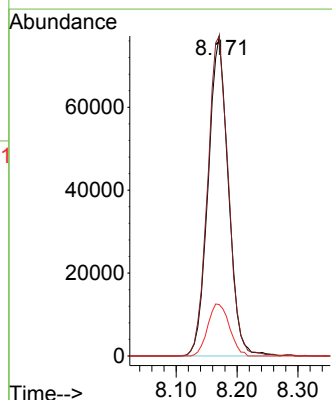
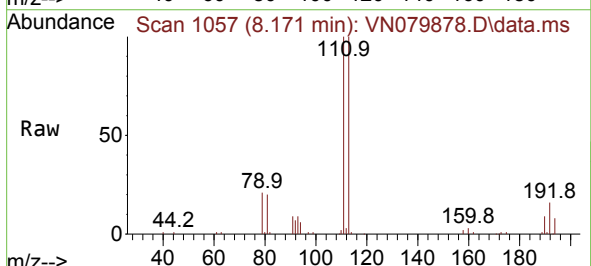
Tgt Ion:113 Resp: 177316

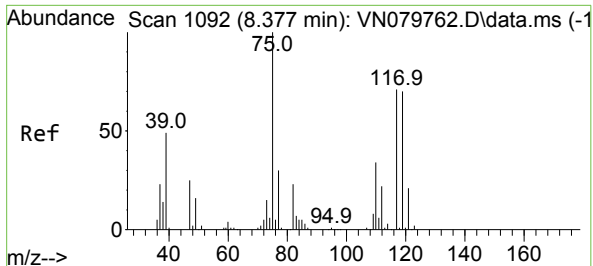
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 17.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.461 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

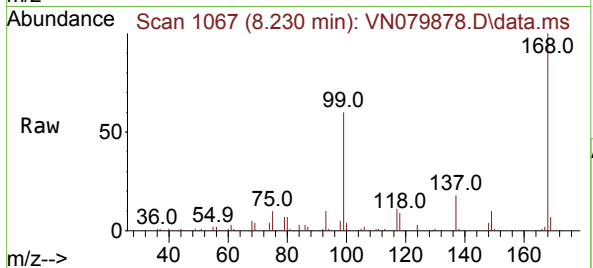
Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

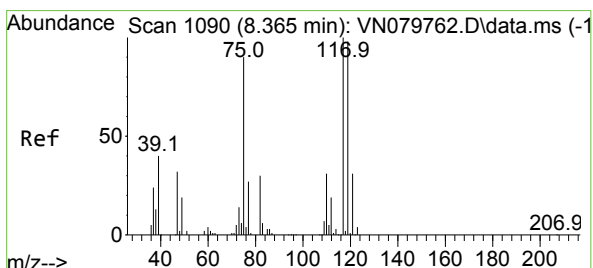
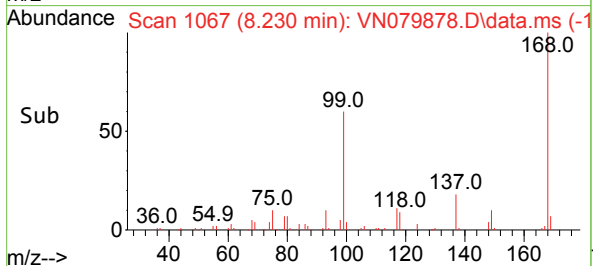
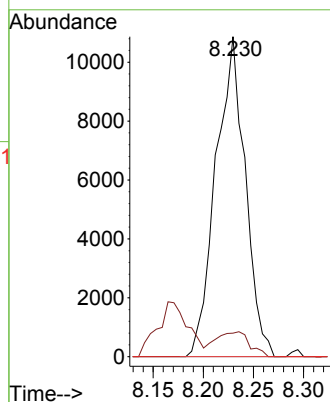
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 22145
Ion Ratio	Lower Upper
75	100
110	9.1 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.231 ug/l

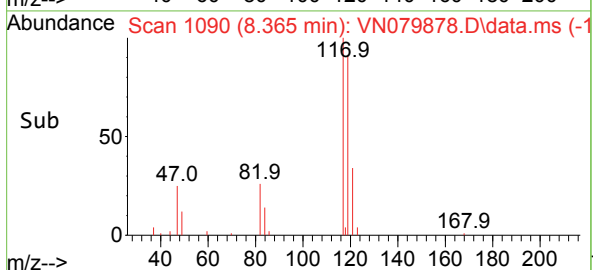
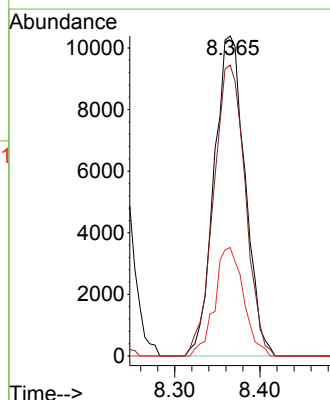
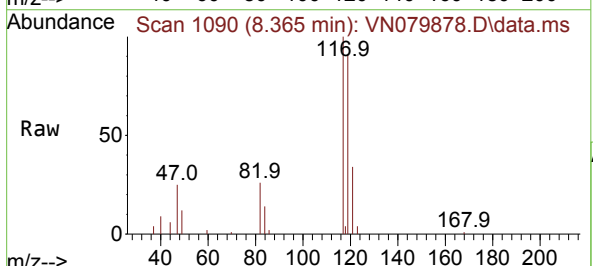
RT: 8.365 min Scan# 1090

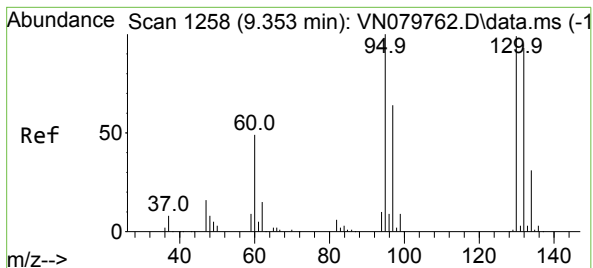
Delta R.T. 0.006 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Tgt Ion: 117	Resp: 26168
Ion Ratio	Lower Upper
117	100
119	90.9 77.3 115.9
121	33.9 23.3 34.9





#44

Trichloroethene

Concen: 0.627 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

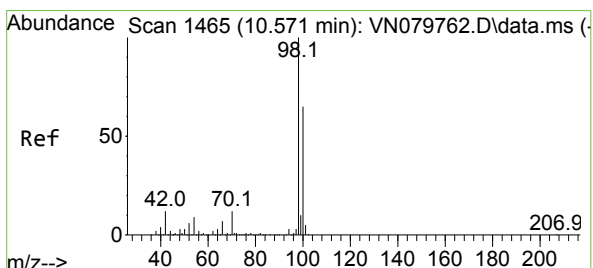
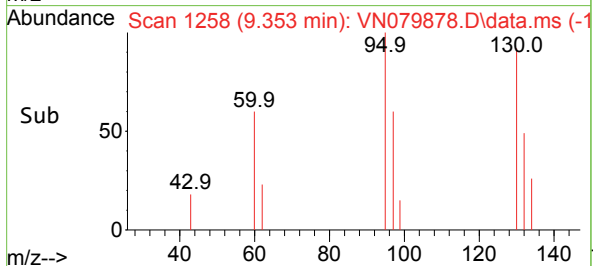
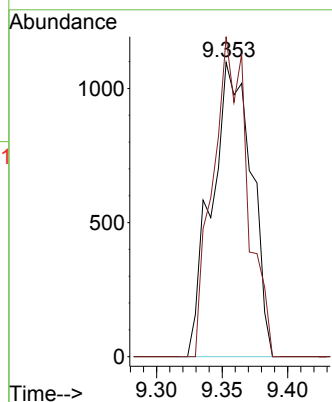
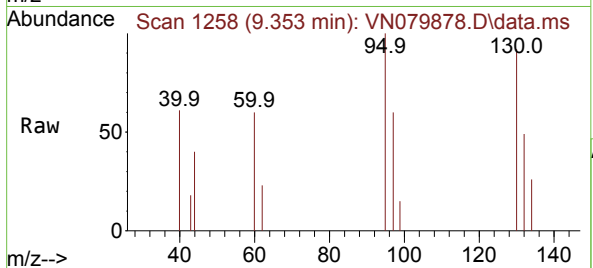
ClientSampleId :

Tgt Ion:130 Resp: 2315

Ion Ratio Lower Upper

130 100

95 108.8 0.0 204.6



#50

Toluene-d8

Concen: 46.785 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079878.D

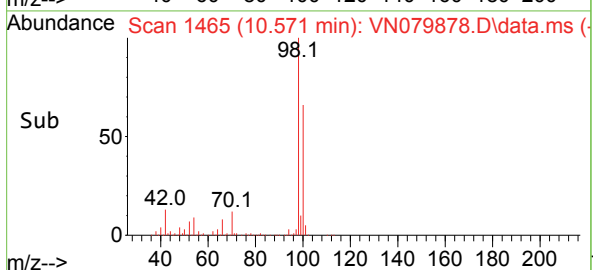
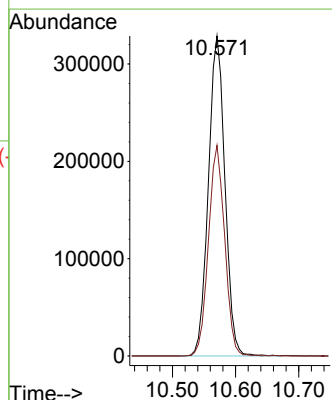
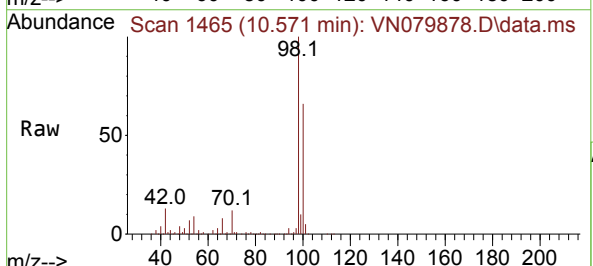
Acq: 04 Nov 2023 05:32

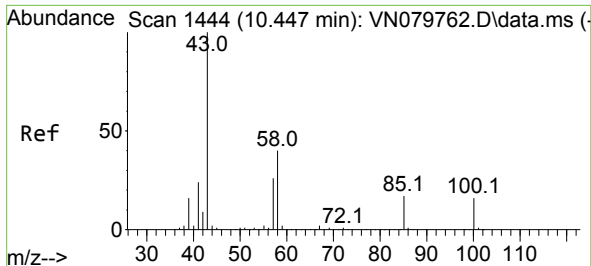
Tgt Ion: 98 Resp: 598793

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.124 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

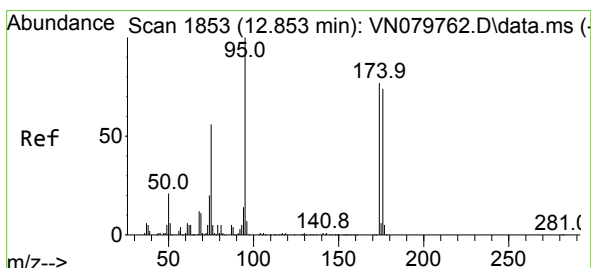
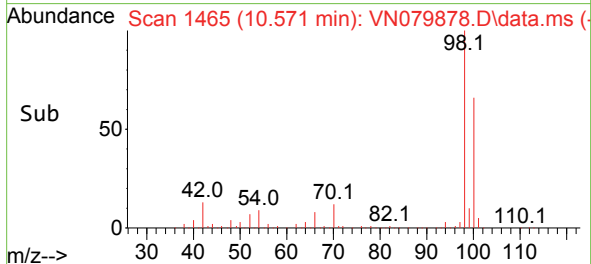
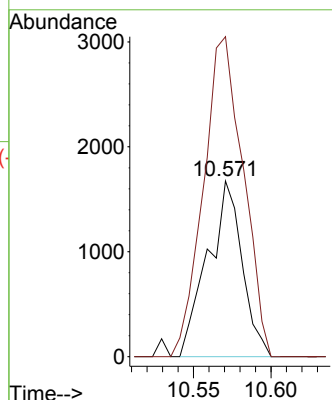
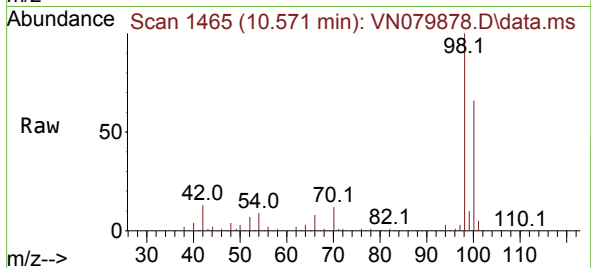
ClientSampleId :

Tgt Ion: 43 Resp: 2578

Ion Ratio Lower Upper

43 100

58 211.0 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 46.833 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

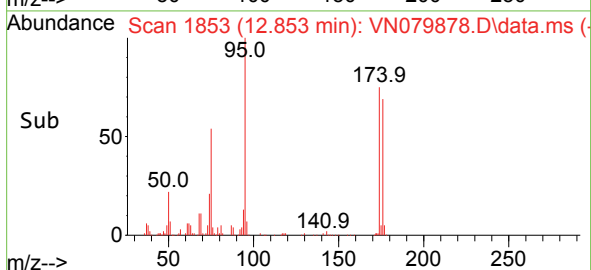
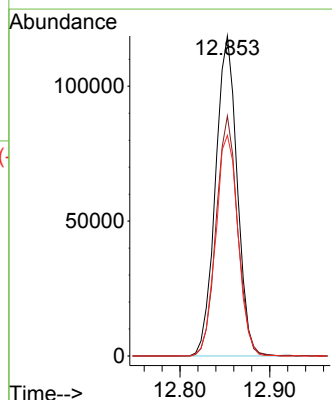
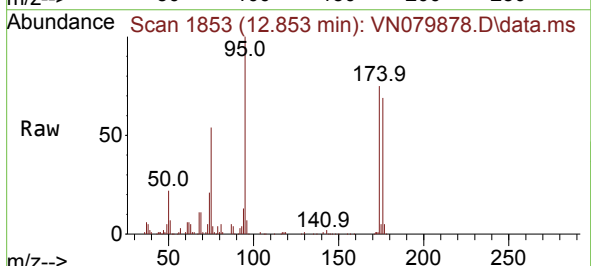
Tgt Ion: 95 Resp: 198793

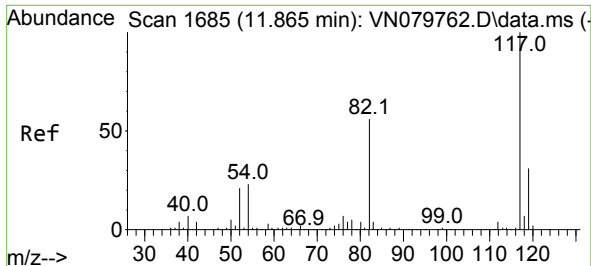
Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

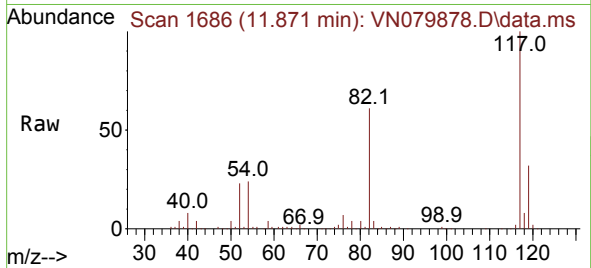
176 71.0 0.0 135.8



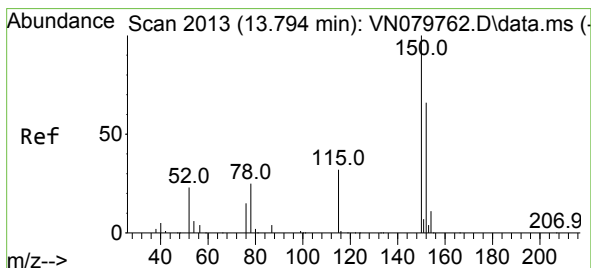
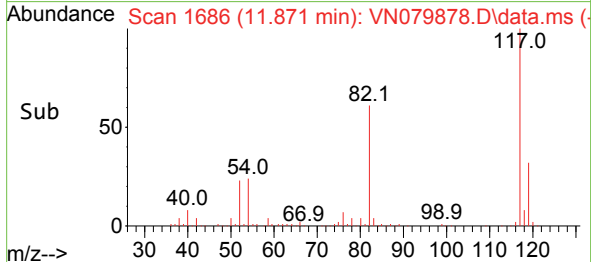
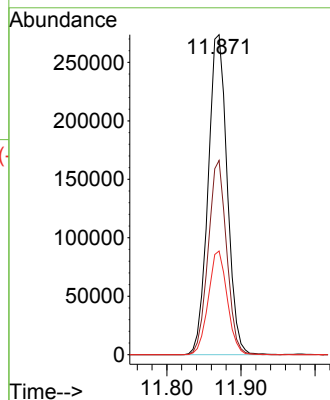


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

Instrument :
MSVOA_N
ClientSampleId :

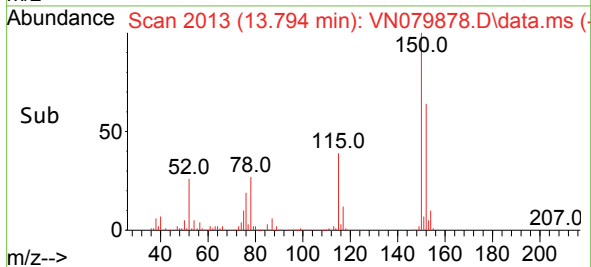
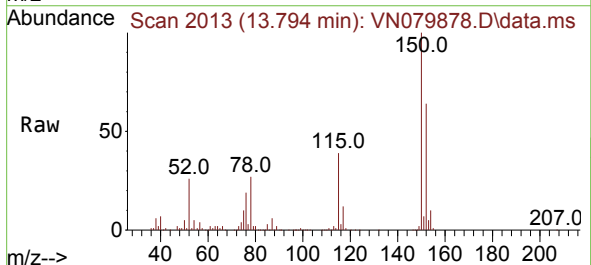
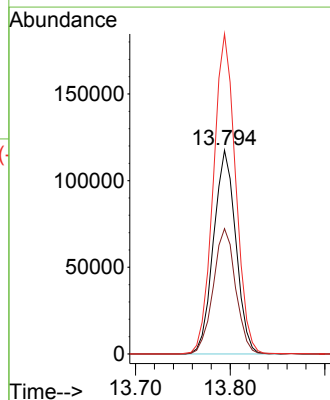


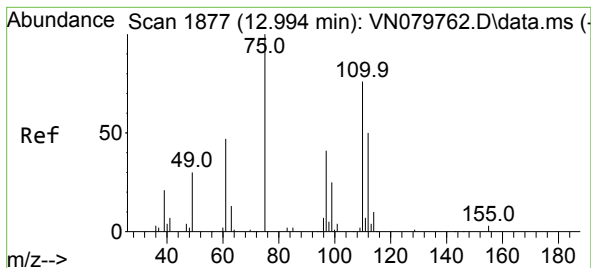
Tgt Ion:117 Resp: 489794
Ion Ratio Lower Upper
117 100
82 60.7 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079878.D
Acq: 04 Nov 2023 05:32

Tgt Ion:152 Resp: 192019
Ion Ratio Lower Upper
152 100
115 61.8 32.3 96.8
150 157.2 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 24.652 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Instrument :

MSVOA_N

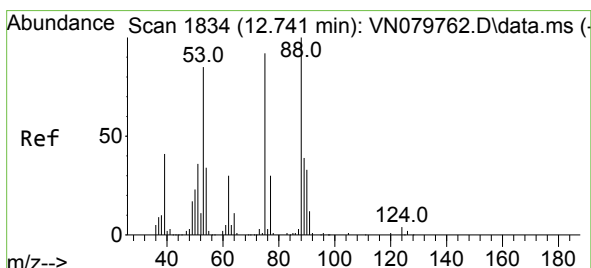
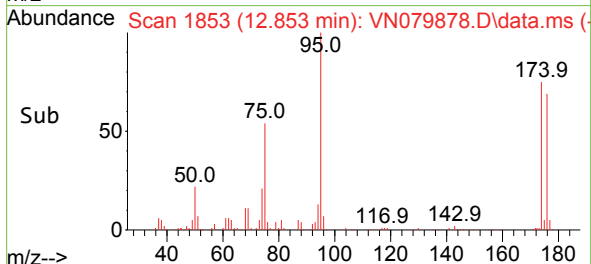
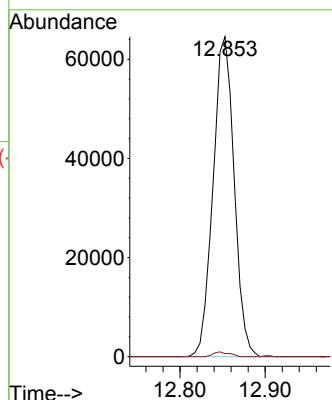
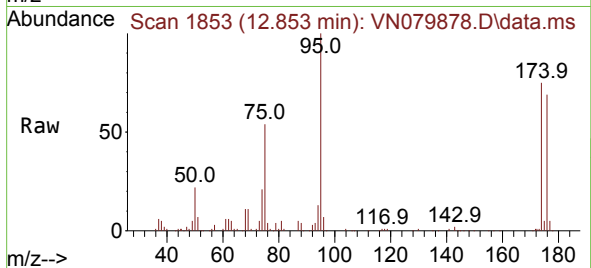
ClientSampleId :

Tgt Ion: 75 Resp: 111131

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.072 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079878.D

Acq: 04 Nov 2023 05:32

Tgt Ion: 75 Resp: 111131

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.1 38.8 58.2#

