

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079884.D
 Acq On : 04 Nov 2023 07:54
 Operator : JC\MD
 Sample : 05223-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:29:06 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)

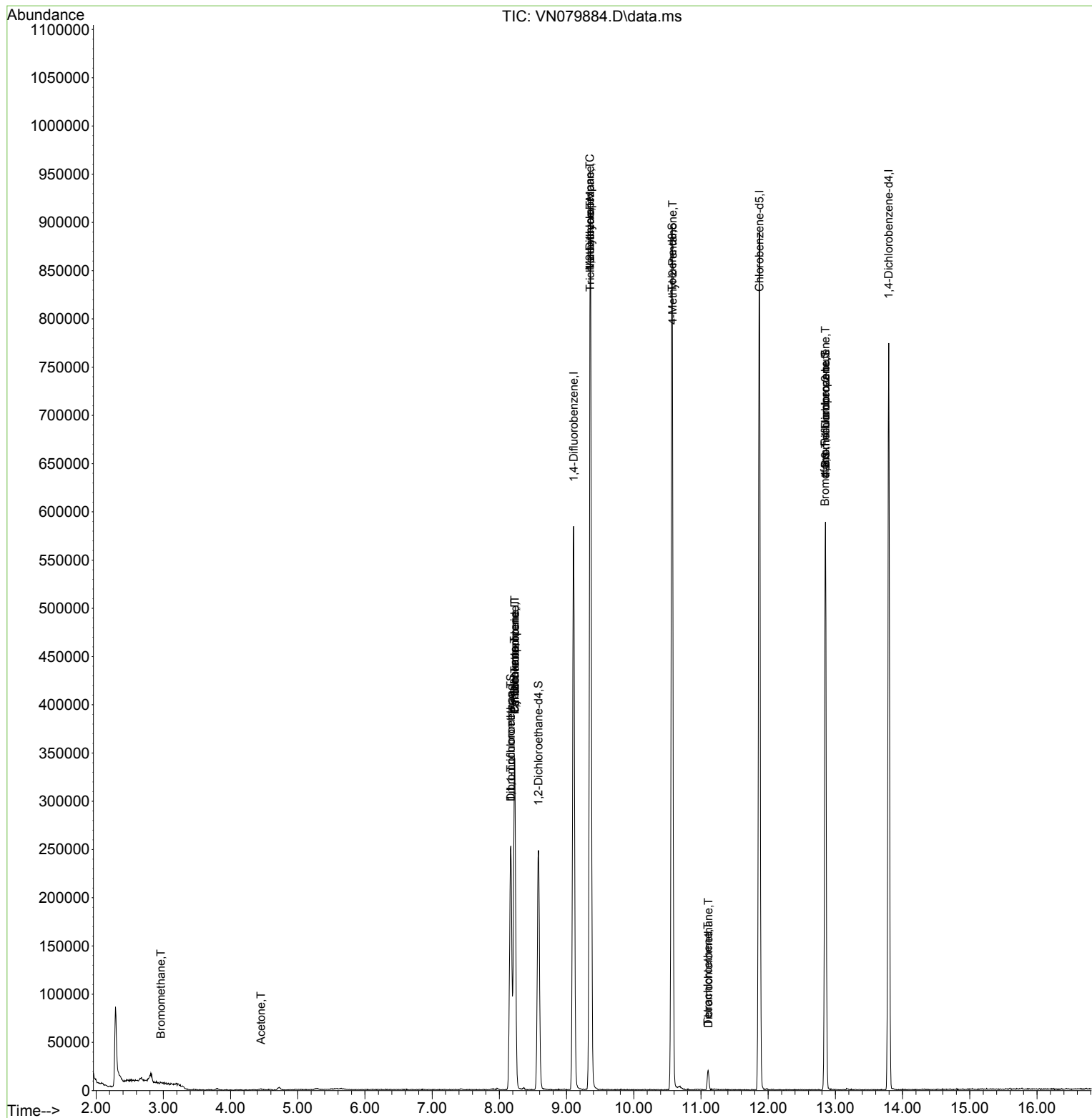
Internal Standards						
1) Pentafluorobenzene	8.229	168	237886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	478098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	498474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	194927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	204894	56.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.060%
35) Dibromofluoromethane	8.171	113	173759	51.350	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.700%
50) Toluene-d8	10.570	98	599157	48.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.853	95	197748	47.865	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1387	Below Cal		93
5) Bromomethane	2.965	94	589	0.258	ug/l #	13
16) Acetone	4.453	43	2152	1.690	ug/l #	40
31) Cyclohexane	8.224	56	6778	1.415	ug/l #	46
32) 1,1,1-Trichloroethane	8.171	97	12312	2.518	ug/l #	86
36) 1,1-Dichloropropene	8.229	75	22171	4.589	ug/l #	48
38) Carbon Tetrachloride	8.229	117	25759	5.290	ug/l #	18
39) Methylcyclohexane	9.347	83	4654	1.024	ug/l #	1
44) Trichloroethene	9.353	130	321282	89.472	ug/l	99
45) 1,2-Dichloropropane	9.347	63	1134	0.307	ug/l #	1
51) 4-Methyl-2-Pentanone	10.576	43	3074	0.703	ug/l #	1
60) Dibromochloromethane	11.112	129	4461	1.208	ug/l #	11
64) Tetrachloroethene	11.106	164	4667	1.446	ug/l #	79
71) Bromoform	12.847	173	1035	0.374	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110419	24.128	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110419	65.648	ug/l #	15

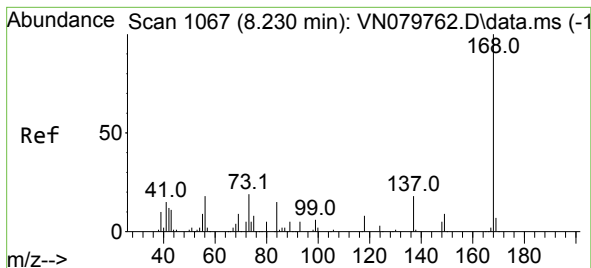
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
Data File : VN079884.D
Acq On : 04 Nov 2023 07:54
Operator : JC\MD
Sample : 05223-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 06 00:29:06 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: 8.229 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

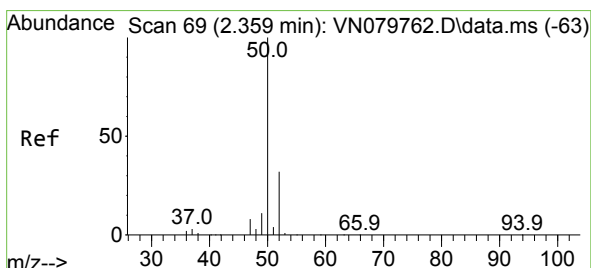
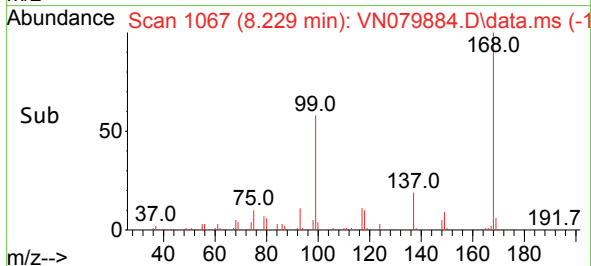
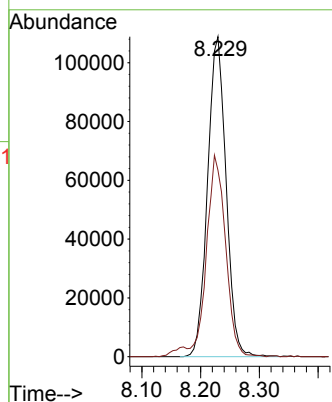
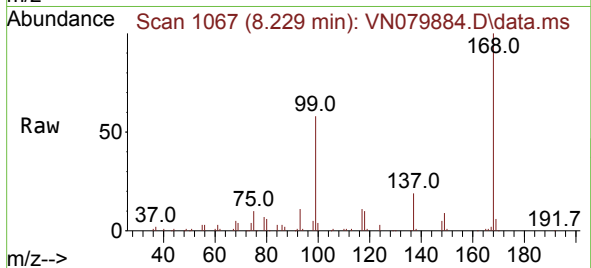
ClientSampleId :

Tgt Ion:168 Resp: 237886

Ion Ratio Lower Upper

168 100

99 58.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079884.D

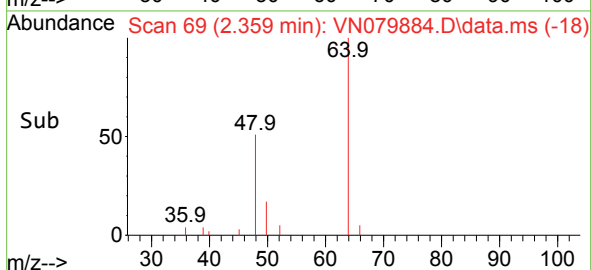
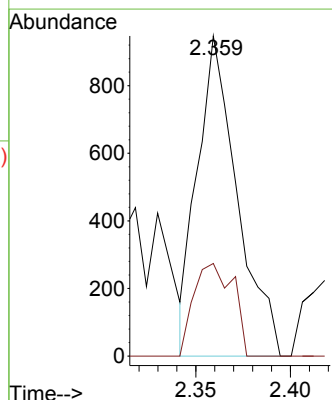
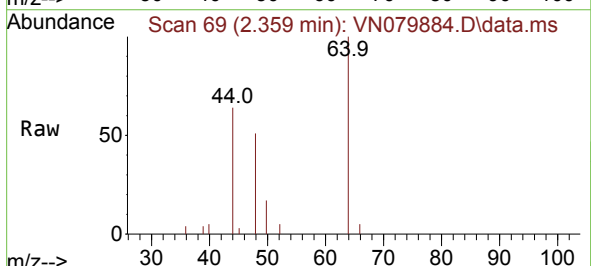
Acq: 04 Nov 2023 07:54

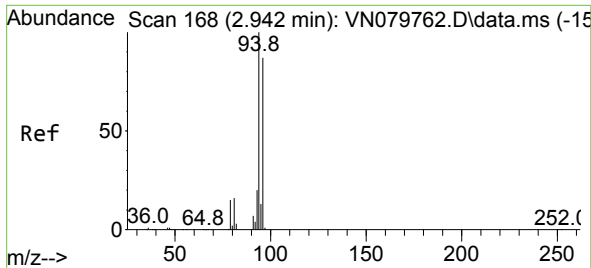
Tgt Ion: 50 Resp: 1387

Ion Ratio Lower Upper

50 100

52 28.9 26.5 39.7

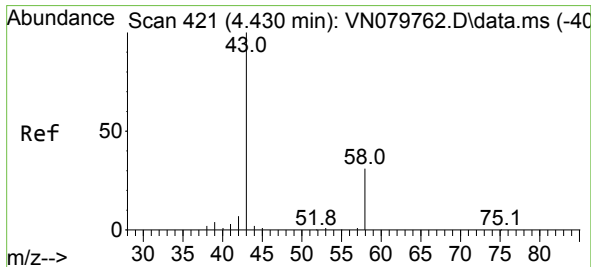
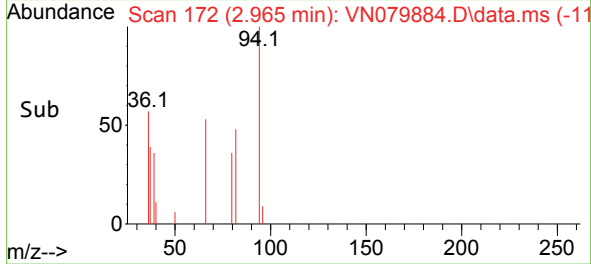
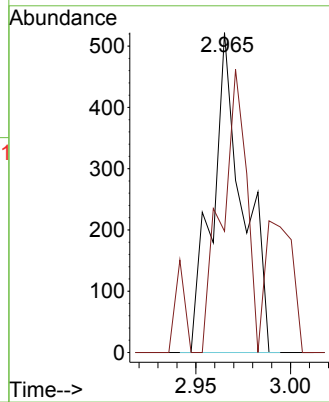
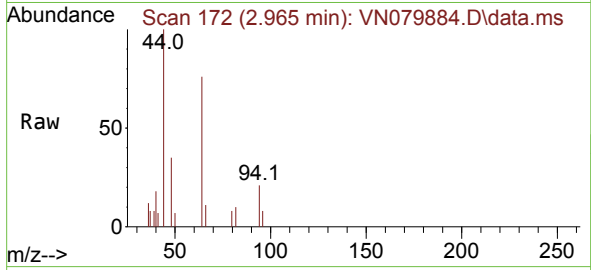




#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

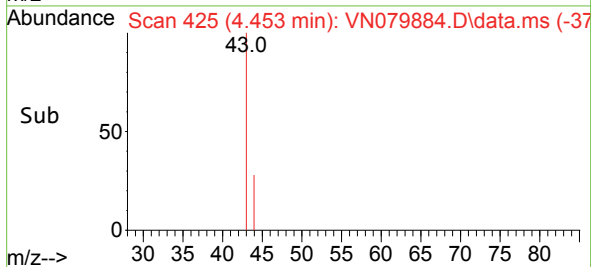
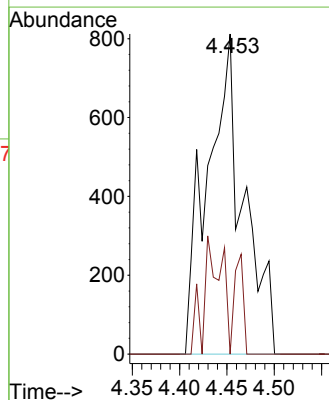
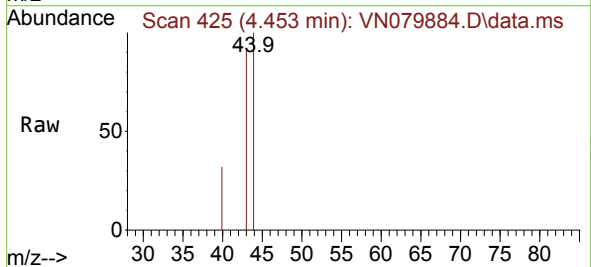
Instrument :
MSVOA_N
ClientSampleId :

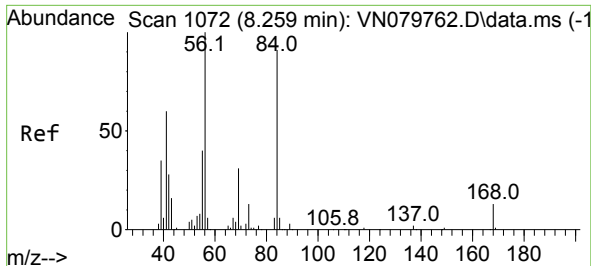
Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 9.0 73.1 109.7#



#16
Acetone
Concen: 1.690 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.024 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Tgt Ion: 43 Resp: 2152
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#31

Cyclohexane

Concen: 1.415 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

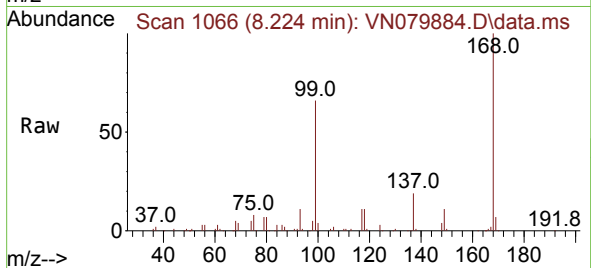
Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

ClientSampleId :



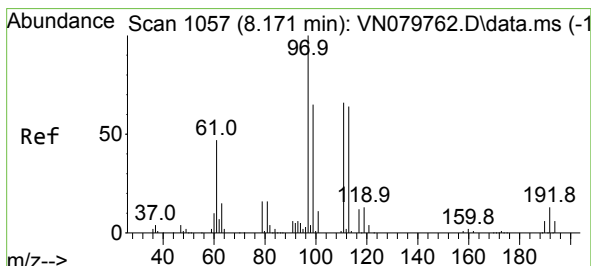
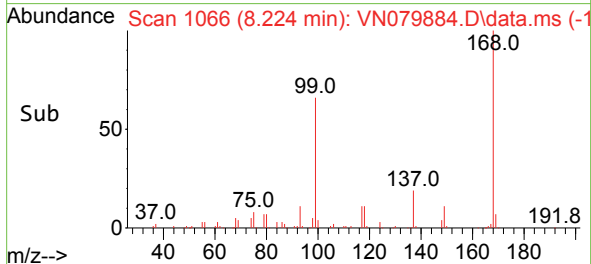
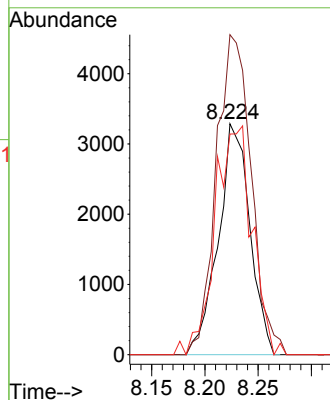
Tgt Ion: 56 Resp: 6778

Ion Ratio Lower Upper

56 100

69 138.6 26.8 40.2#

84 90.7 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 2.518 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

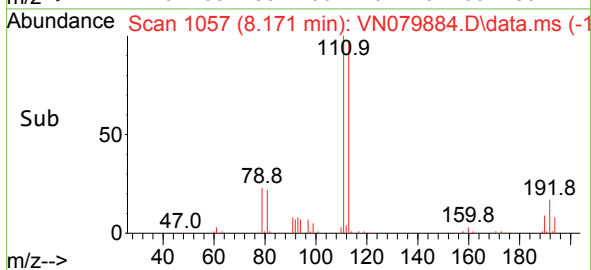
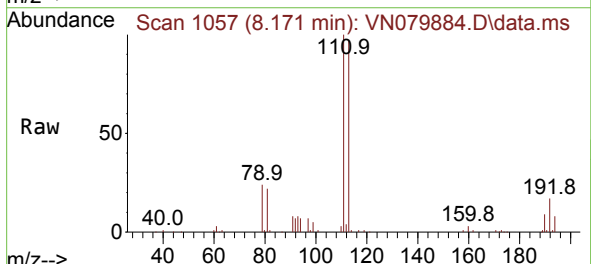
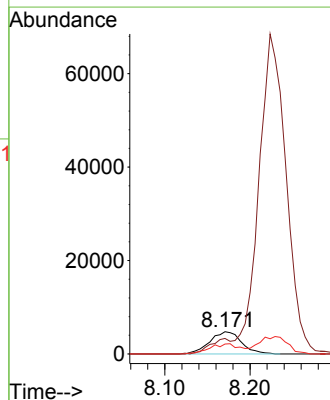
Tgt Ion: 97 Resp: 12312

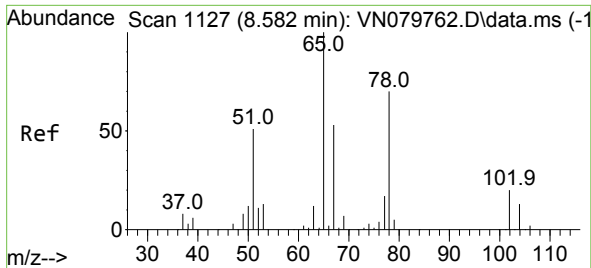
Ion Ratio Lower Upper

97 100

99 45.2 50.3 75.5#

61 42.9 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 56.534 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

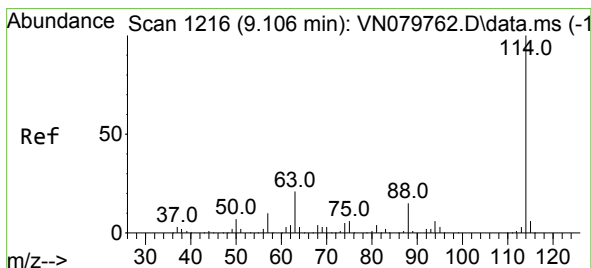
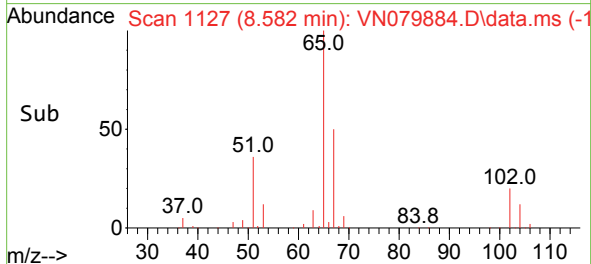
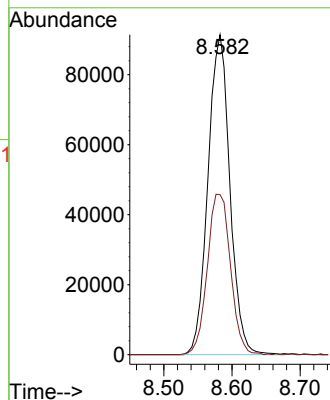
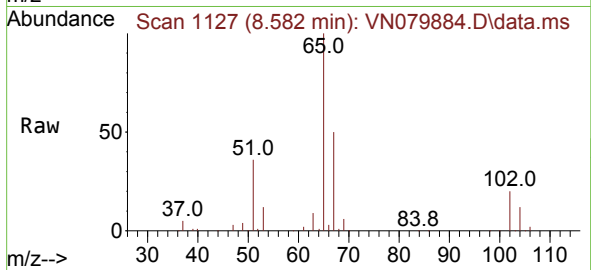
ClientSampleId :

Tgt Ion: 65 Resp: 204894

Ion Ratio Lower Upper

65 100

67 53.0 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: VN079884.D

Acq: 04 Nov 2023 07:54

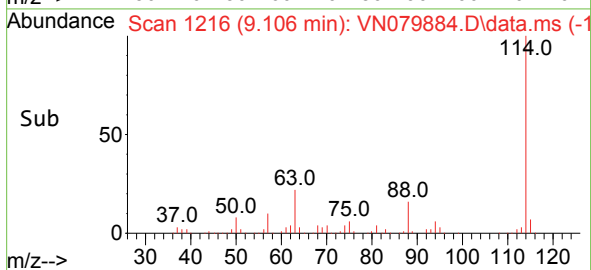
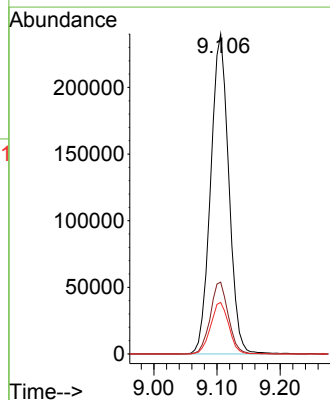
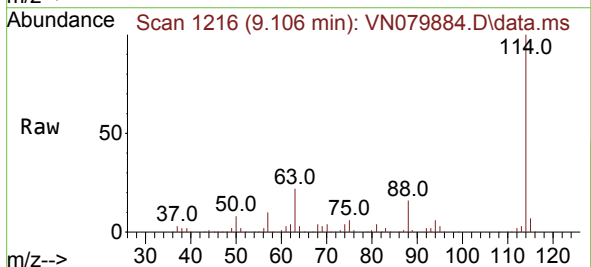
Tgt Ion: 114 Resp: 478098

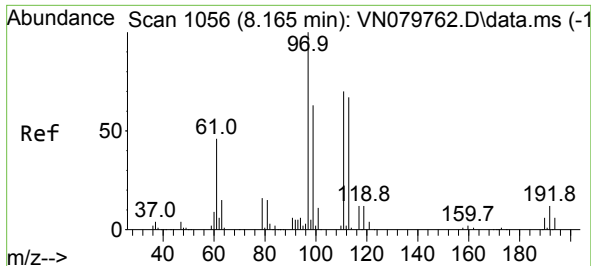
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.350 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

ClientSampleId :

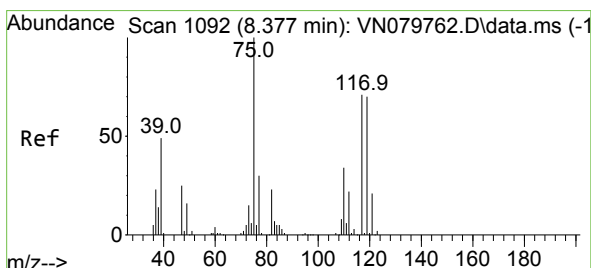
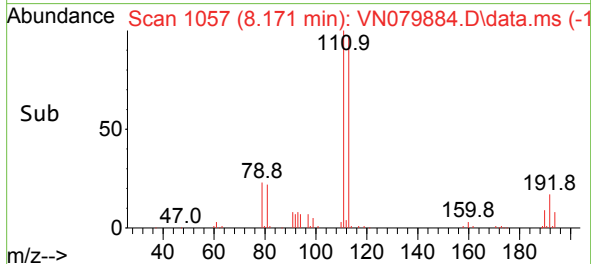
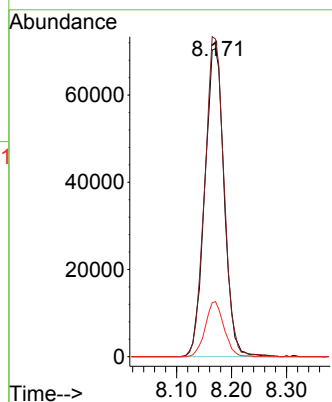
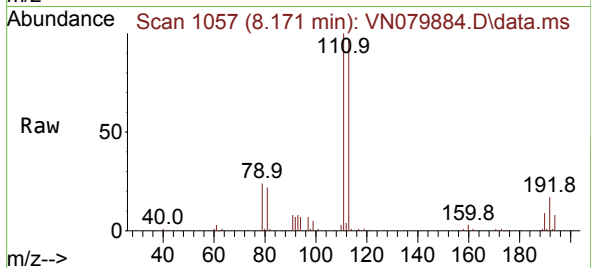
Tgt Ion:113 Resp: 173759

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.589 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

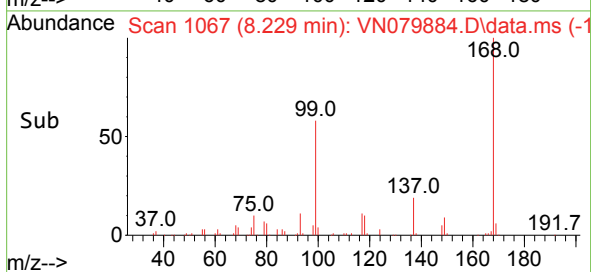
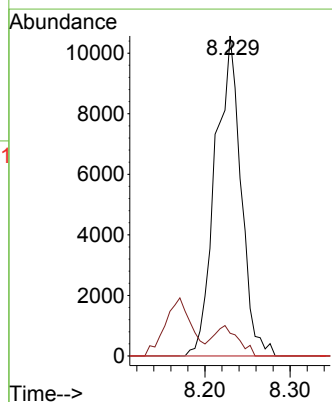
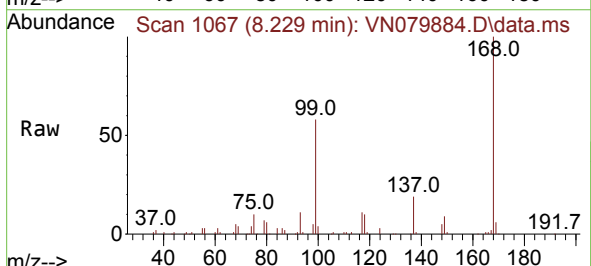
Tgt Ion: 75 Resp: 22171

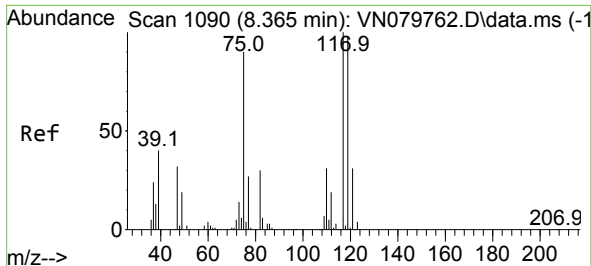
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

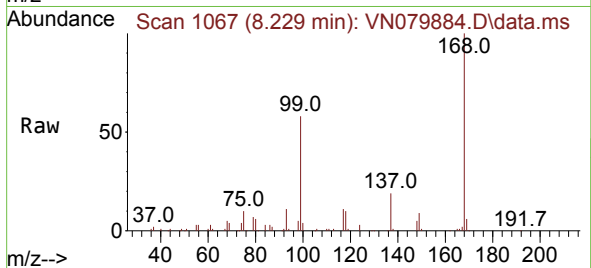
77 0.0 25.0 37.4#



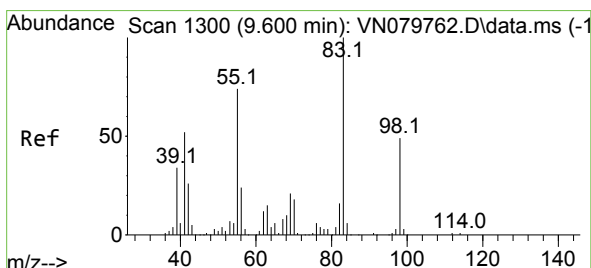
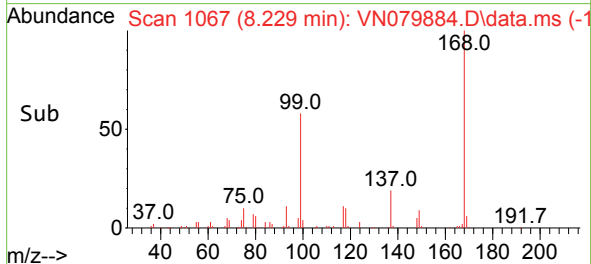
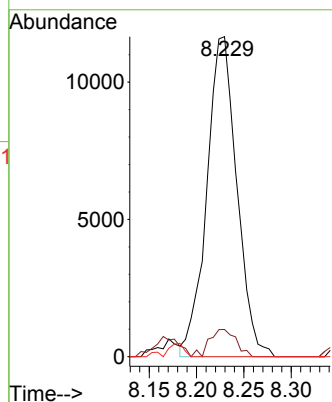


#38
Carbon Tetrachloride
Concen: 5.290 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.129 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Instrument :
MSVOA_N
ClientSampleId :

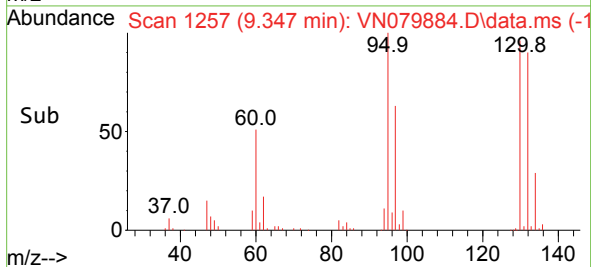
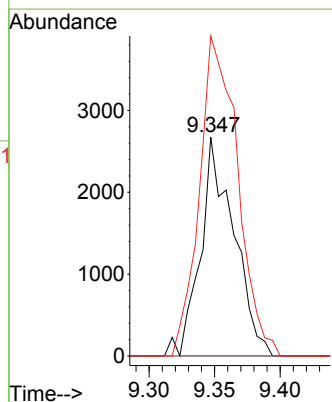
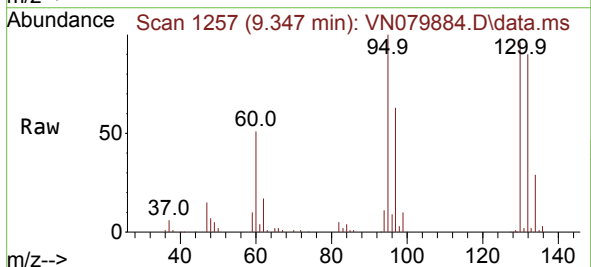


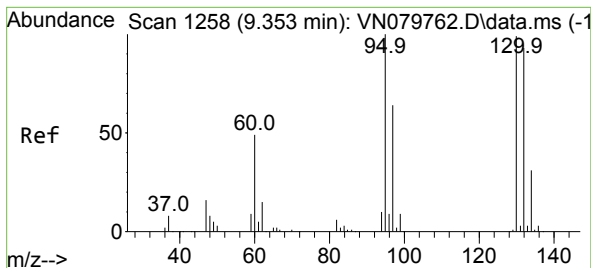
Tgt Ion:117 Resp: 25759
Ion Ratio Lower Upper
117 100
119 8.5 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 1.024 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.259 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Tgt Ion: 83 Resp: 4654
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 146.2 40.6 61.0#





#44

Trichloroethene

Concen: 89.472 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

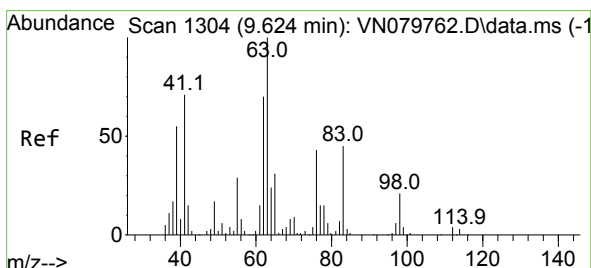
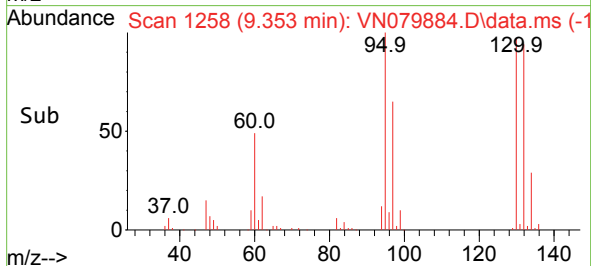
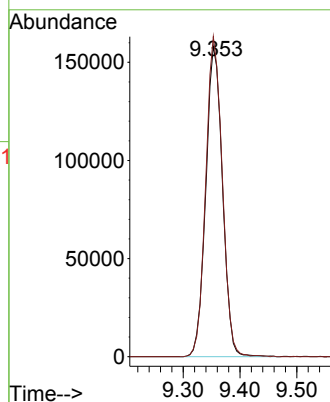
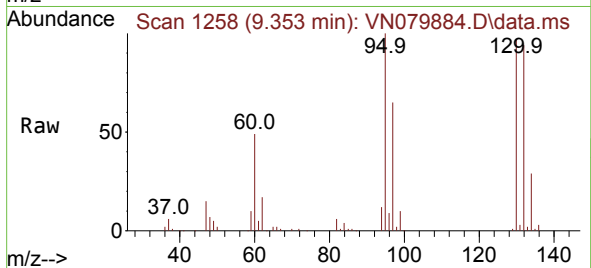
ClientSampleId :

Tgt Ion:130 Resp: 321282

Ion Ratio Lower Upper

130 100

95 103.1 0.0 204.6



#45

1,2-Dichloropropane

Concen: 0.307 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.276 min

Lab File: VN079884.D

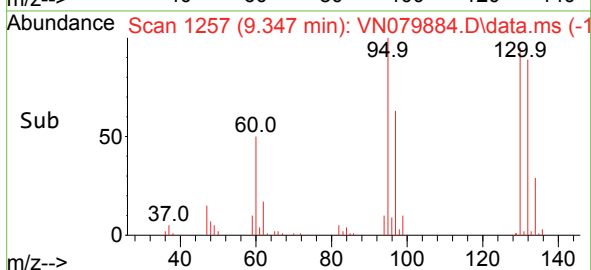
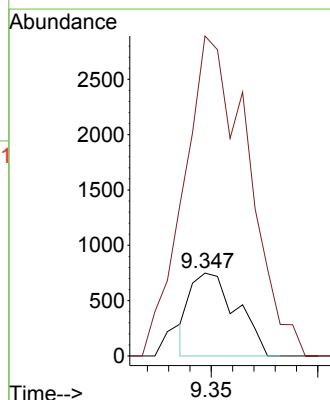
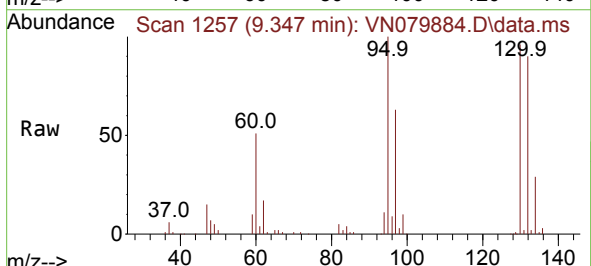
Acq: 04 Nov 2023 07:54

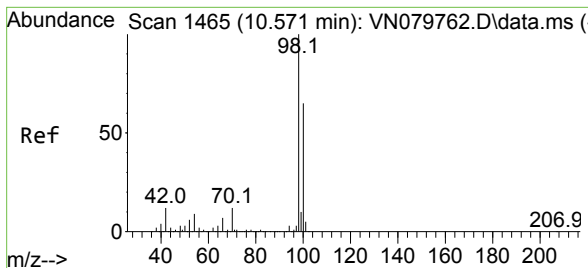
Tgt Ion: 63 Resp: 1134

Ion Ratio Lower Upper

63 100

65 348.2 23.9 35.9#

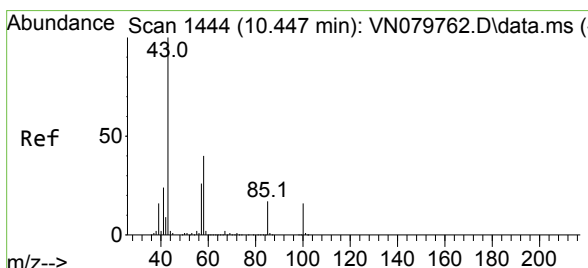
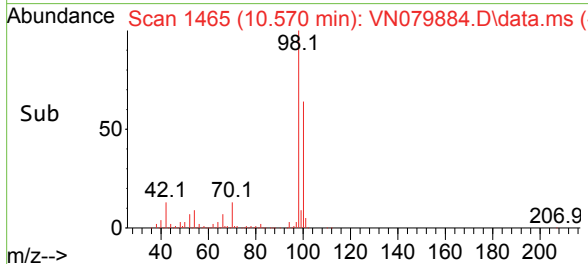
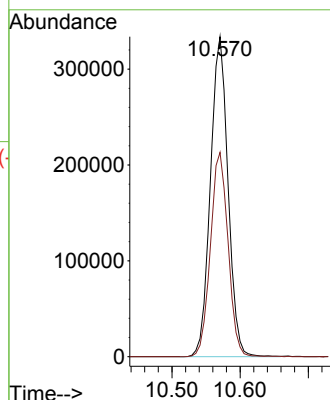
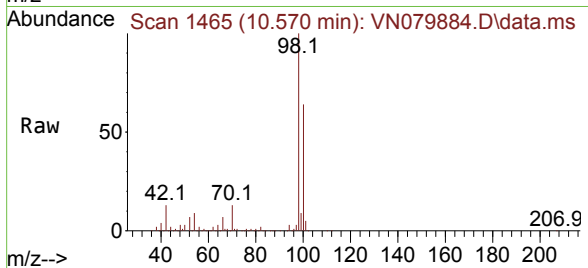




#50
Toluene-d8
Concen: 48.098 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

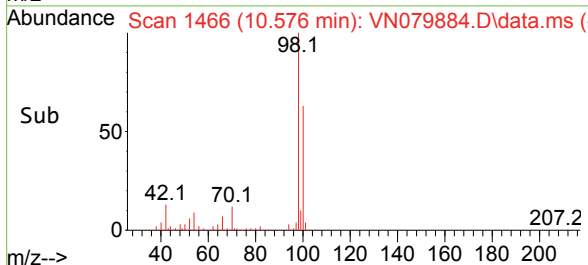
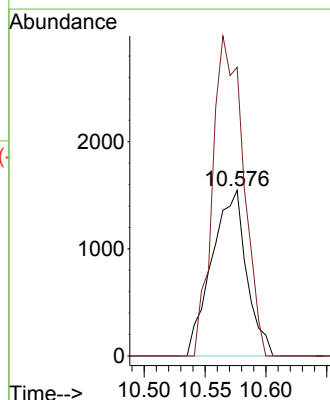
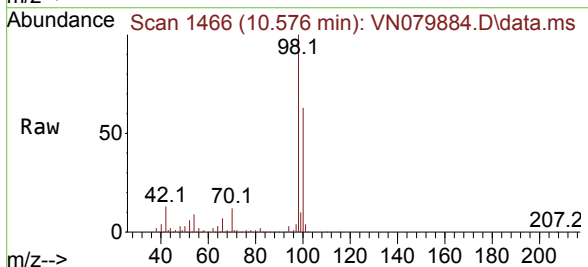
Instrument :
MSVOA_N
ClientSampleId :

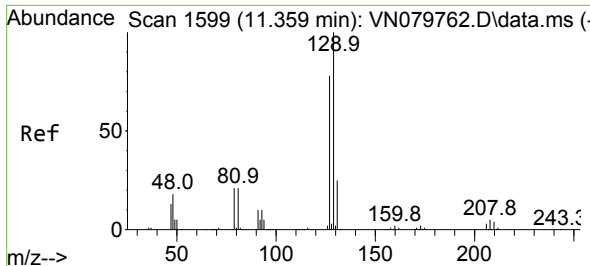
Tgt Ion: 98 Resp: 599157
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.703 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
58 170.9 36.6 54.8#

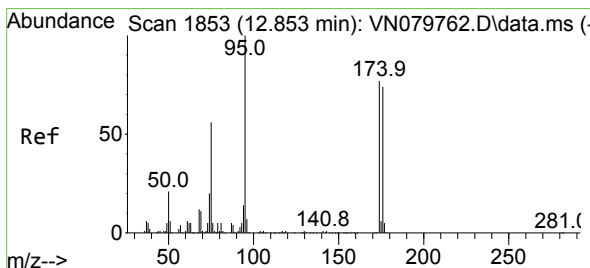
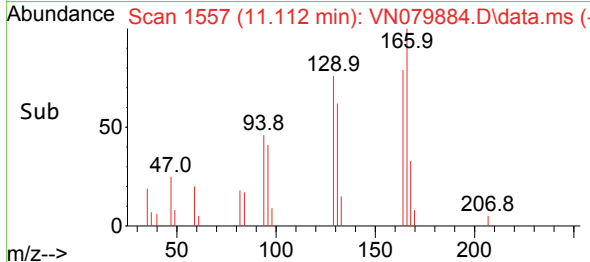
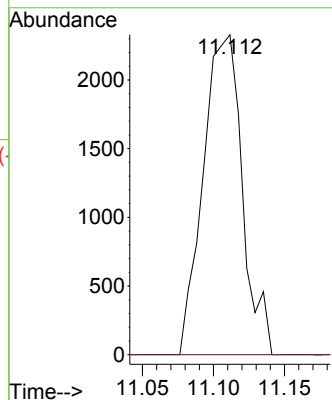
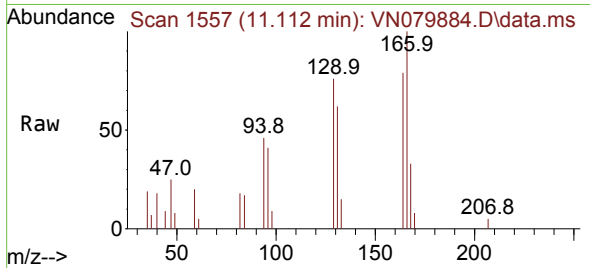




#60
 Dibromochloromethane
 Concen: 1.208 ug/l
 RT: 11.112 min Scan# 11
 Delta R.T. -0.253 min
 Lab File: VN079884.D
 Acq: 04 Nov 2023 07:54

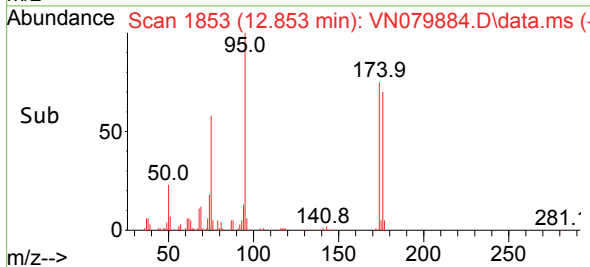
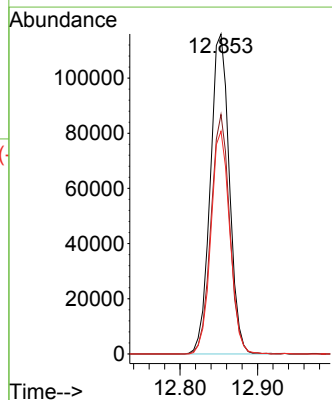
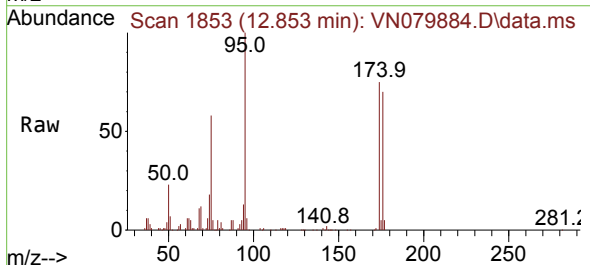
Instrument :
 MSVOA_N
 ClientSampleId :

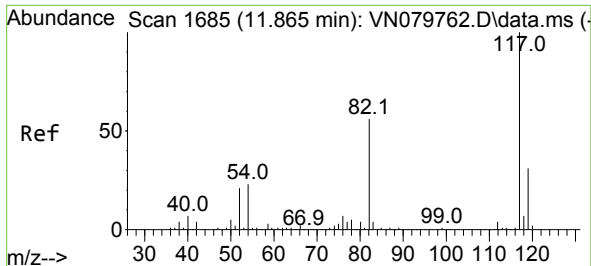
Tgt Ion:129 Resp: 4461
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 47.865 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079884.D
 Acq: 04 Nov 2023 07:54

Tgt Ion: 95 Resp: 197748
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 143.8
 176 69.2 0.0 135.8

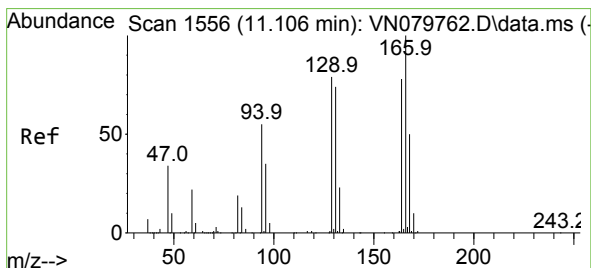
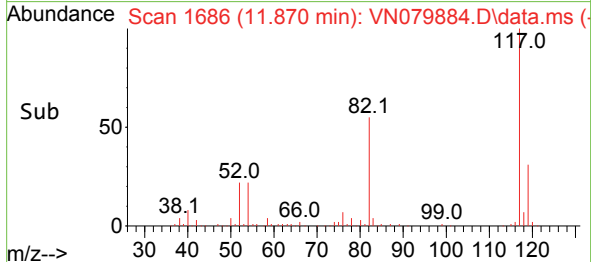
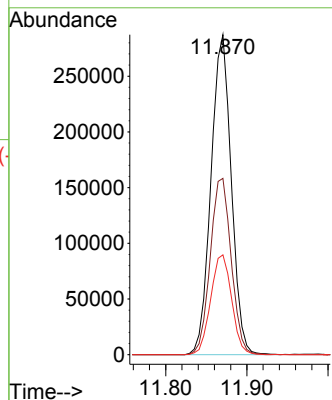
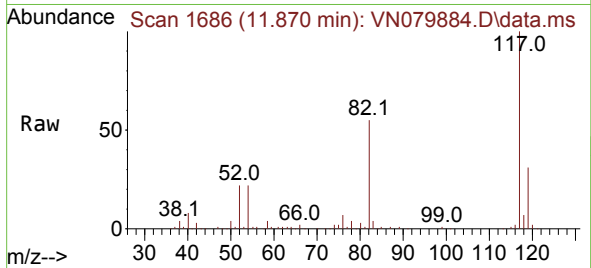




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

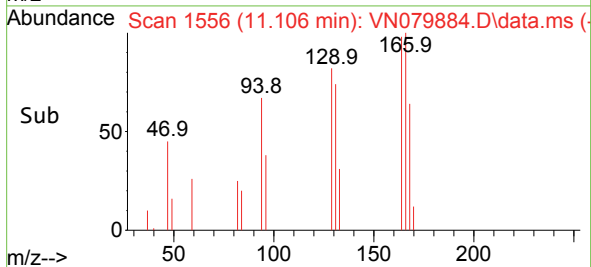
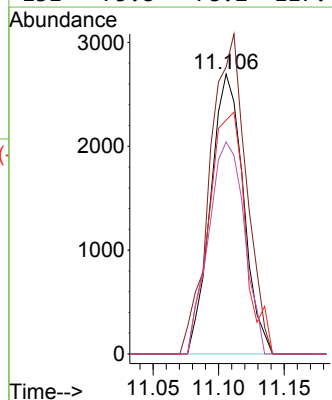
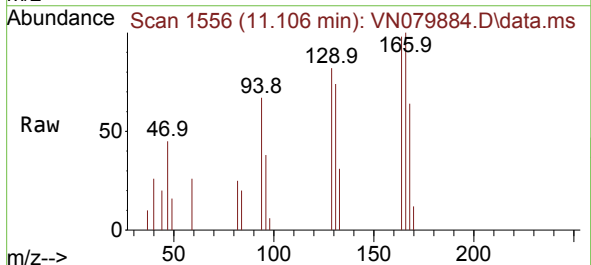
Instrument :
MSVOA_N
ClientSampleId :

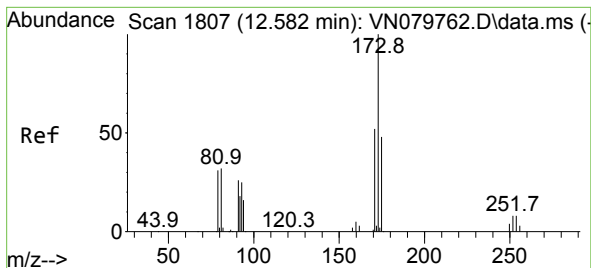
Tgt Ion:117 Resp: 498474
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.2 25.6 38.4



#64
Tetrachloroethene
Concen: 1.446 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Tgt Ion:164 Resp: 4667
Ion Ratio Lower Upper
164 100
166 102.5 101.4 152.0
129 83.6 82.4 123.6
131 75.8 78.2 117.4#





#71

Bromoform

Concen: 0.374 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

Instrument :

MSVOA_N

ClientSampleId :

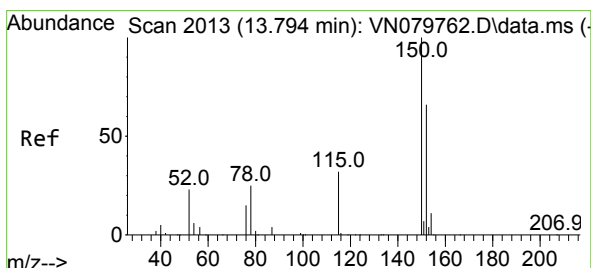
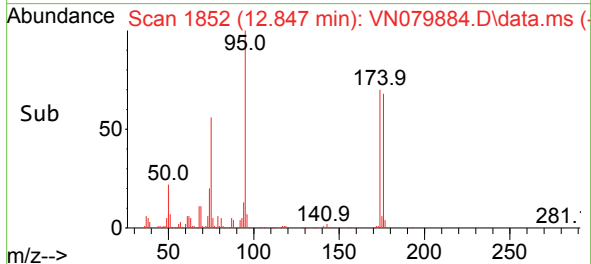
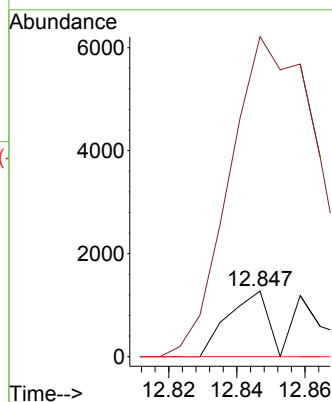
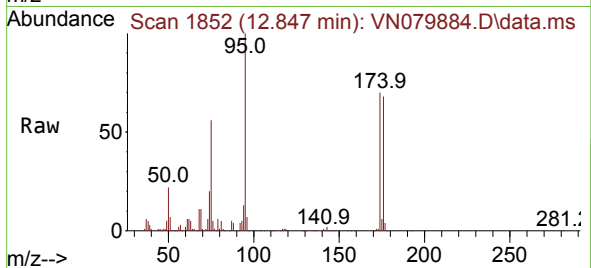
Tgt Ion:173 Resp: 1035

Ion Ratio Lower Upper

173 100

175 681.2 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# 2013

Delta R.T. -0.000 min

Lab File: VN079884.D

Acq: 04 Nov 2023 07:54

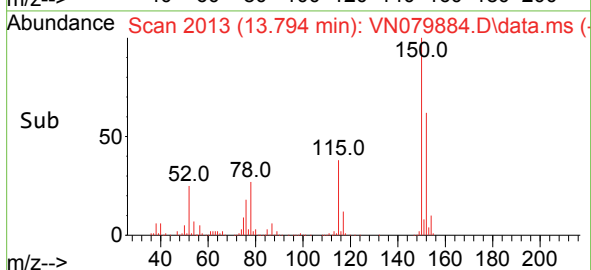
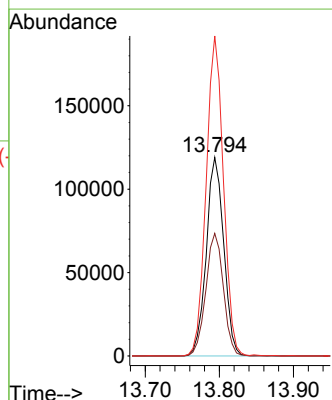
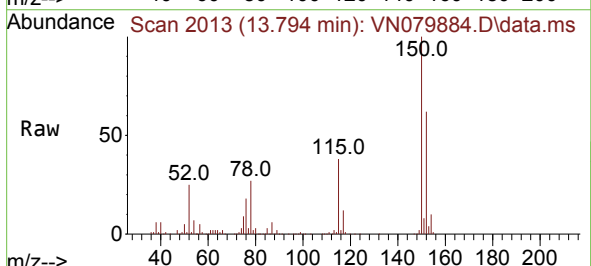
Tgt Ion:152 Resp: 194927

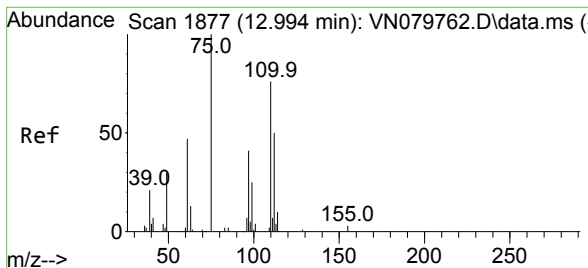
Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 159.1 0.0 355.8

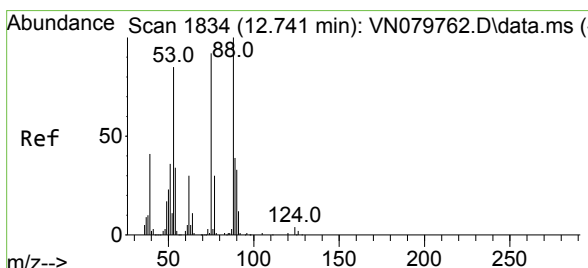
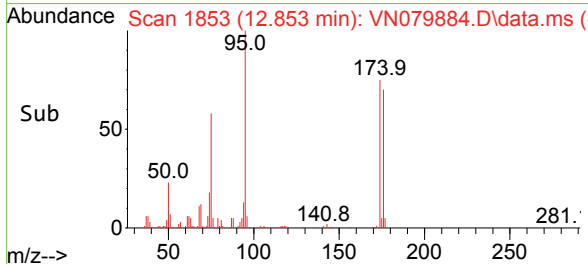
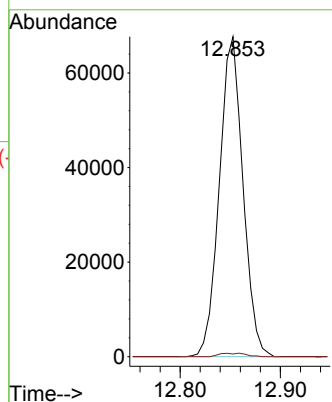
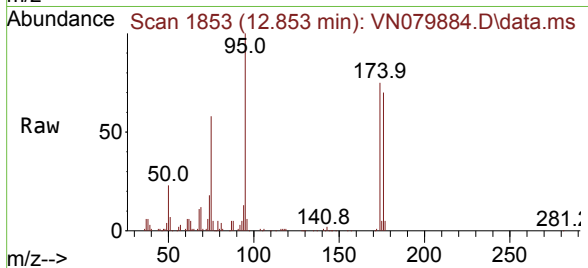




#76
1,2,3-Trichloropropane
Concen: 24.128 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 110419
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.648 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079884.D
Acq: 04 Nov 2023 07:54

Tgt Ion: 75 Resp: 110419
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

