

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078239.D
 Acq On : 15 Jun 2023 19:34
 Operator : JC\MD
 Sample : 03231-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 06:11:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	417105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	775733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	678304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	203978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300153	53.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.940%
35) Dibromofluoromethane	8.177	113	270360	55.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.240%
50) Toluene-d8	10.571	98	916189	48.453	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.900%
62) 4-Bromofluorobenzene	12.853	95	274308	46.665	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.320%

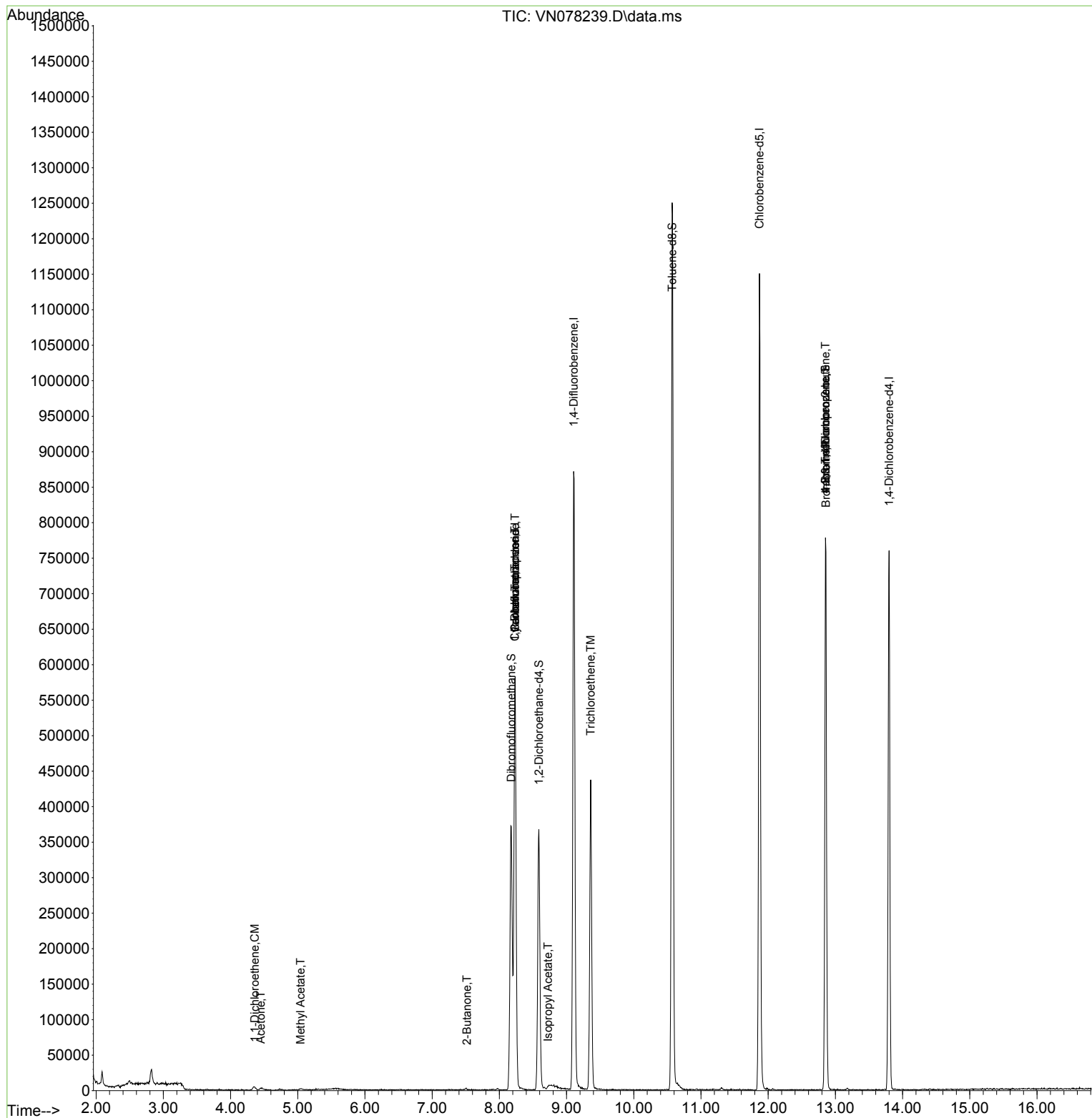
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.377	50	943	Below Cal	#	42
12) 1,1-Dichloroethene	4.359	96	3162	0.694	ug/l #	81
16) Acetone	4.447	43	1795	1.121	ug/l #	77
18) Methyl Acetate	5.042	43	2131	0.289	ug/l #	54
25) 2-Butanone	7.518	43	526	0.214	ug/l #	61
31) Cyclohexane	8.230	56	9805	1.374	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	36163	5.140	ug/l #	48
38) Carbon Tetrachloride	8.235	117	45374	6.108	ug/l #	16
43) Isopropyl Acetate	8.724	43	3337	0.317	ug/l #	49
44) Trichloroethene	9.359	130	149359	26.927	ug/l	100
71) Bromoform	12.859	173	2874	0.834	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	413	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	152059	31.534	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152059	96.881	ug/l #	15

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

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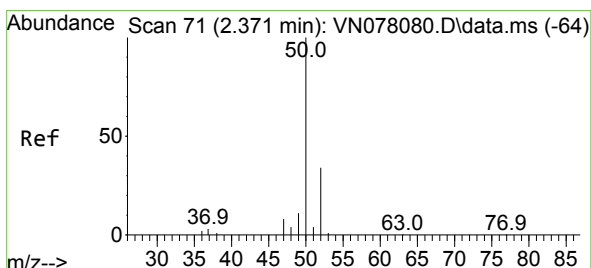
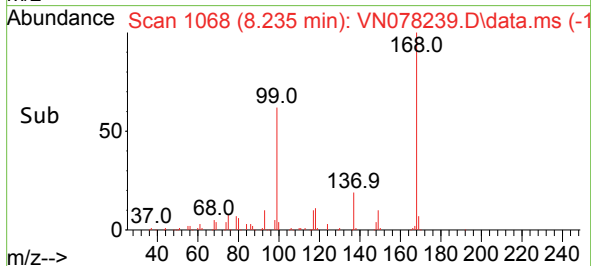
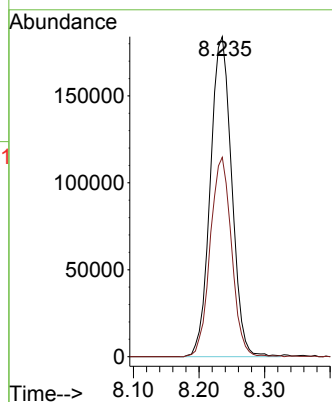
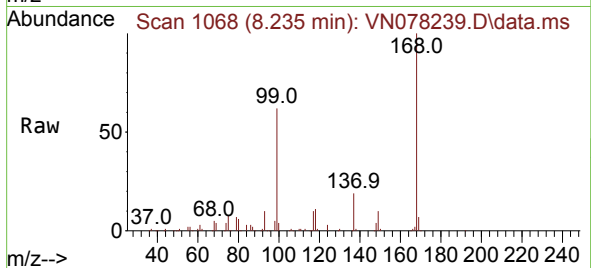




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

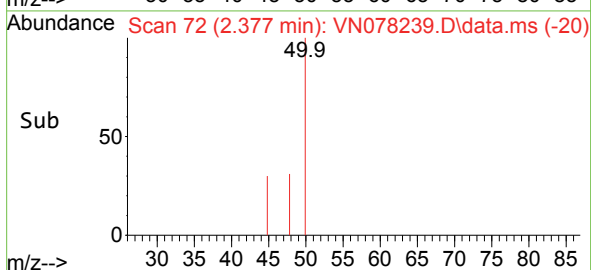
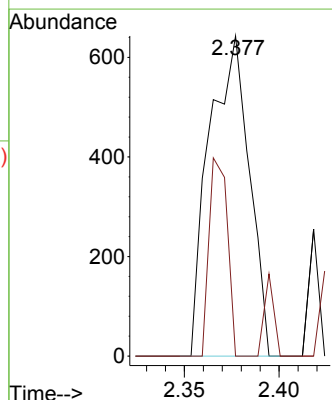
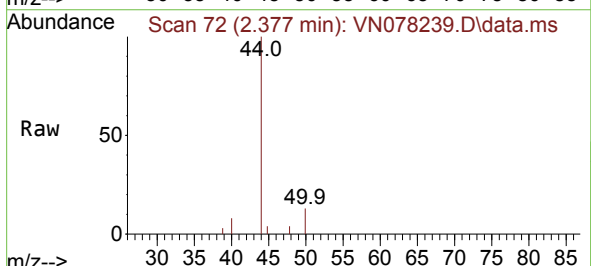
Instrument :
MSVOA_N
ClientSampleId :

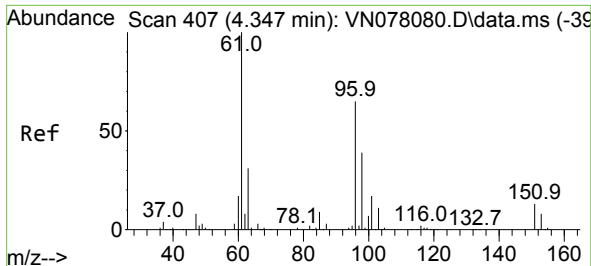
Tgt Ion:168 Resp: 417105
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

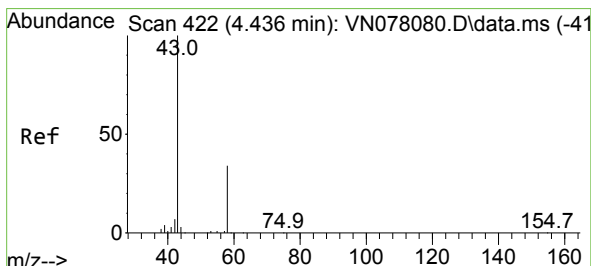
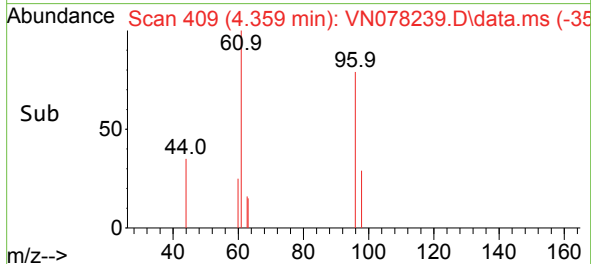
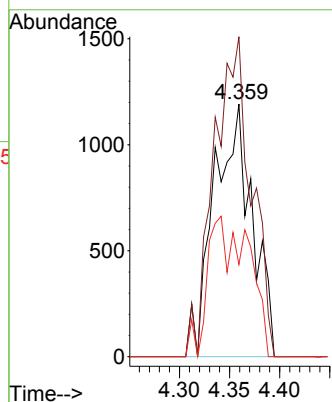
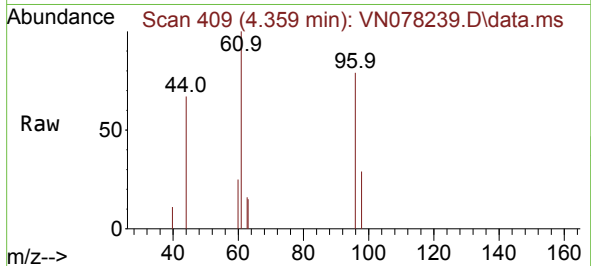




#12
1,1-Dichloroethene
Concen: 0.694 ug/l
RT: 4.359 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

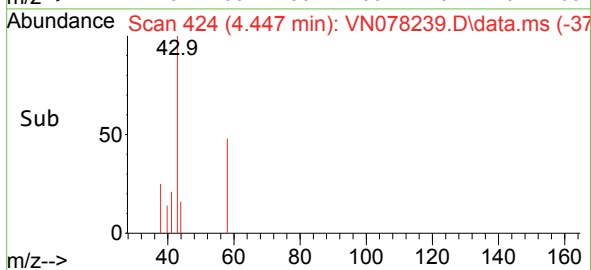
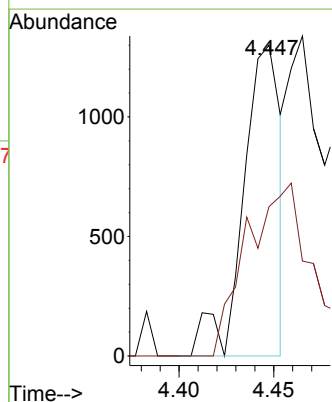
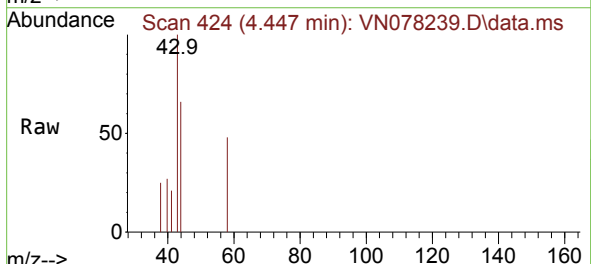
Instrument :
MSVOA_N
ClientSampleId :

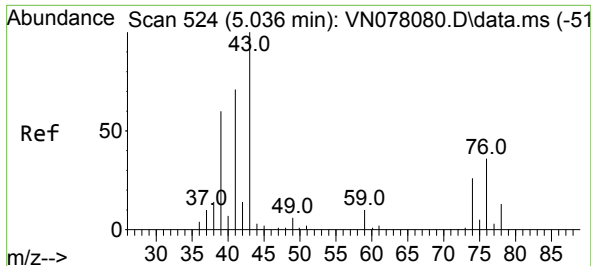
Tgt Ion: 96 Resp: 3162
Ion Ratio Lower Upper
96 100
61 126.7 112.7 169.1
98 36.5 51.2 76.8#



#16
Acetone
Concen: 1.121 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

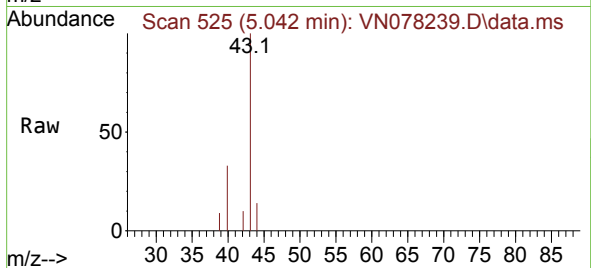
Tgt Ion: 43 Resp: 1795
Ion Ratio Lower Upper
43 100
58 48.1 28.0 42.0#



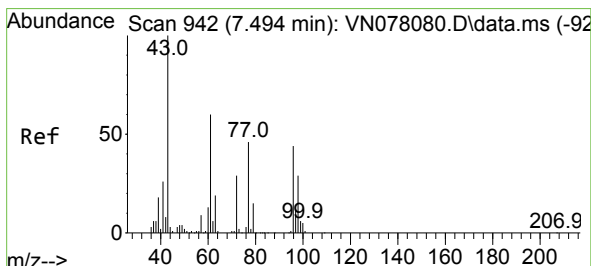
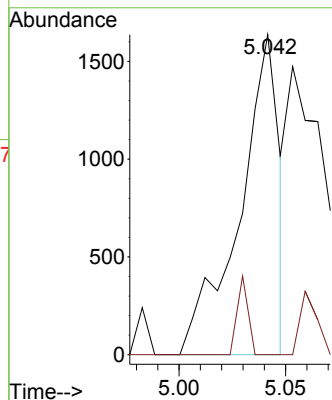
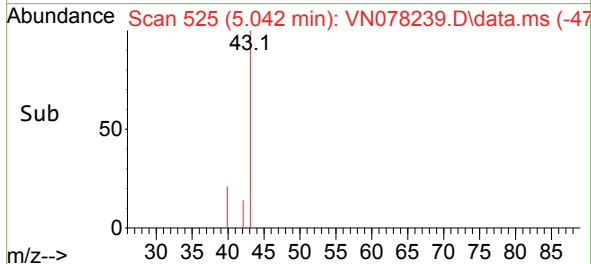


#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Instrument :
MSVOA_N
ClientSampleId :

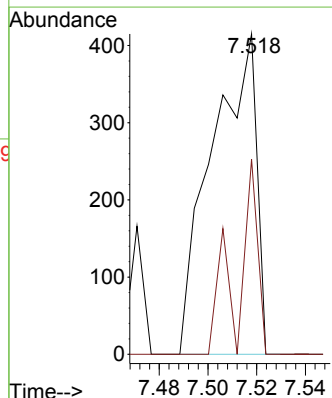
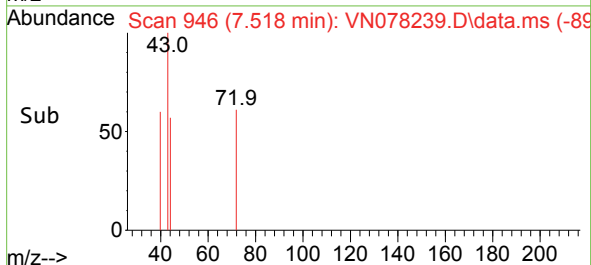
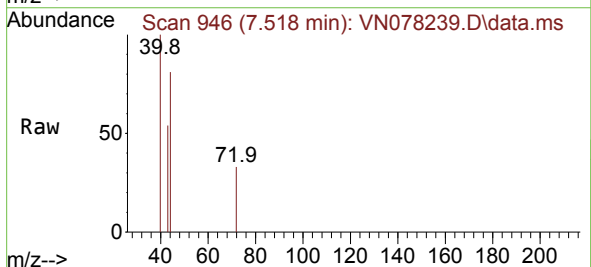


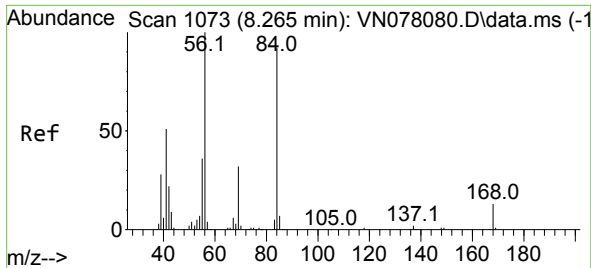
Tgt Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
74 6.7 26.2 39.4#



#25
2-Butanone
Concen: 0.214 ug/l
RT: 7.518 min Scan# 946
Delta R.T. 0.024 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

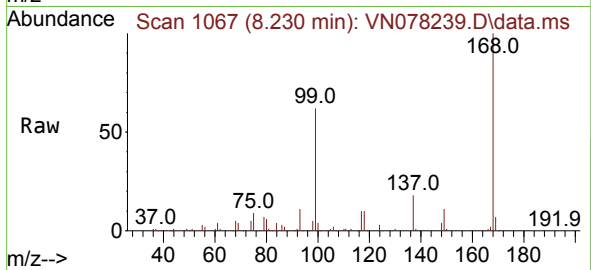
Tgt Ion: 43 Resp: 526
Ion Ratio Lower Upper
43 100
72 61.0 30.2 45.2#



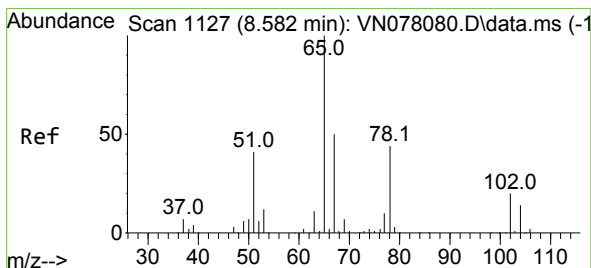
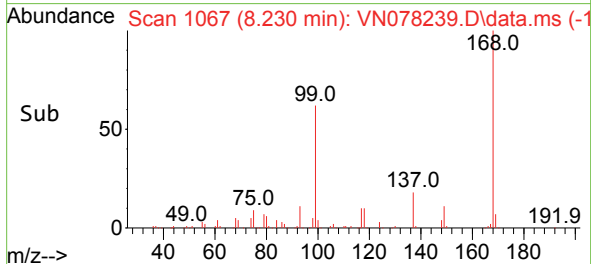
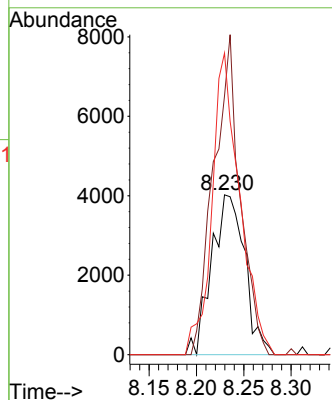


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Instrument :
MSVOA_N
ClientSampleId :

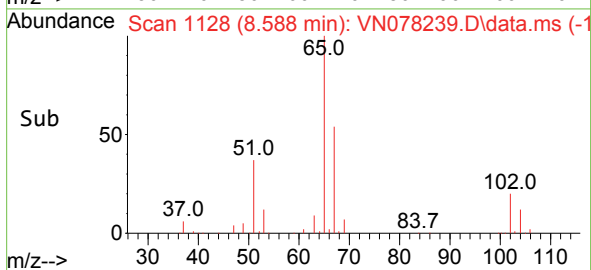
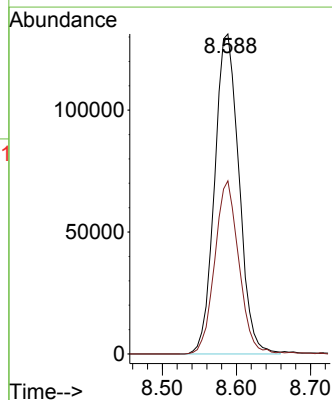
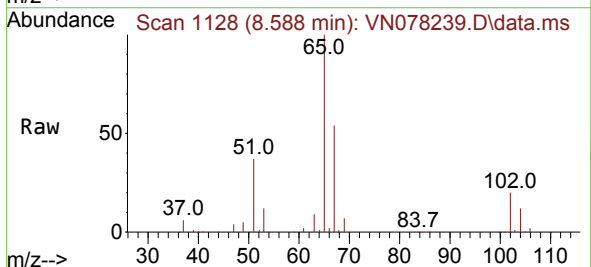


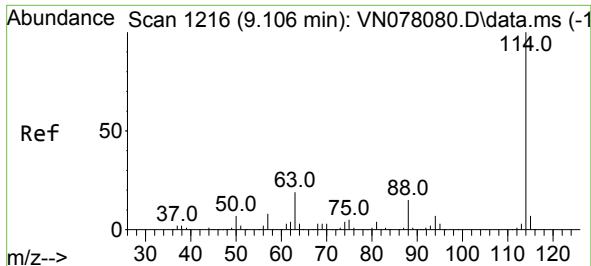
Tgt Ion: 56 Resp: 9805
Ion Ratio Lower Upper
56 100
69 161.9 26.8 40.2#
84 188.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.972 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Tgt Ion: 65 Resp: 300153
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

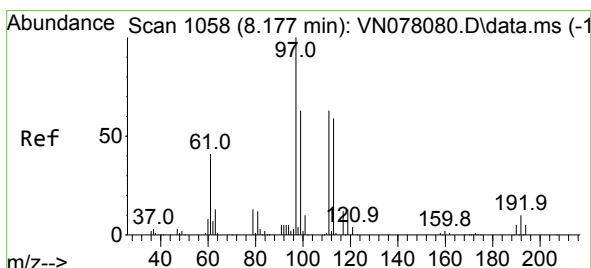
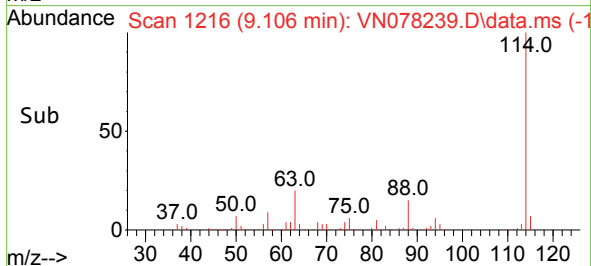
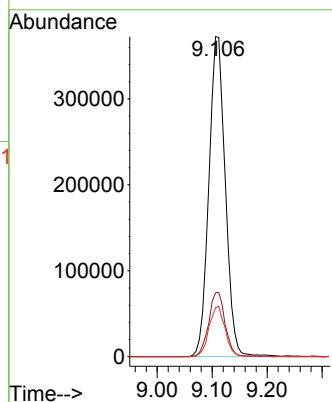
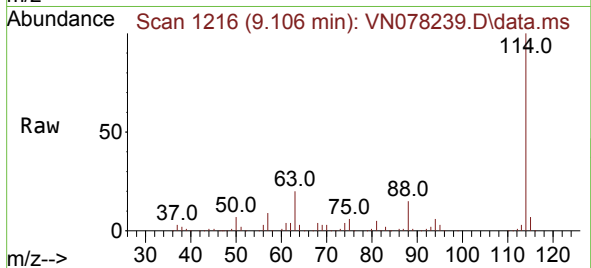
Tgt Ion:114 Resp: 775733

Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.121 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

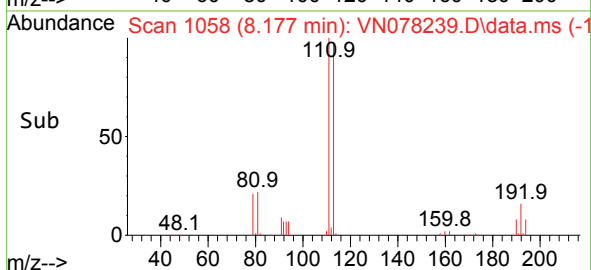
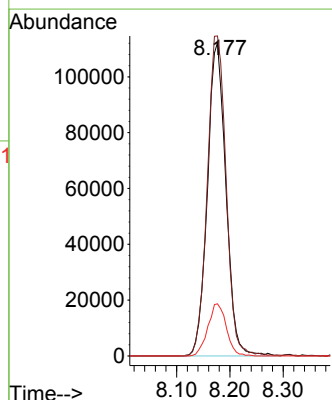
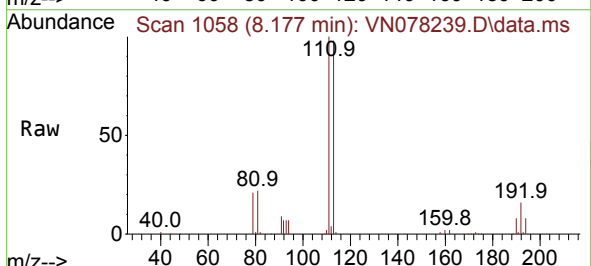
Tgt Ion:113 Resp: 270360

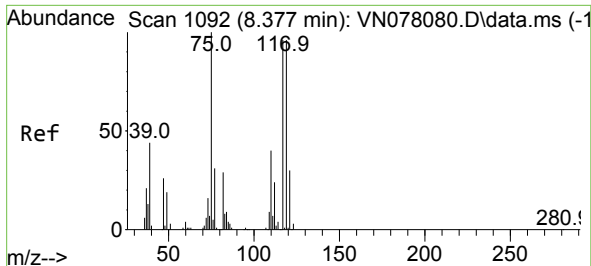
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 16.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.140 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

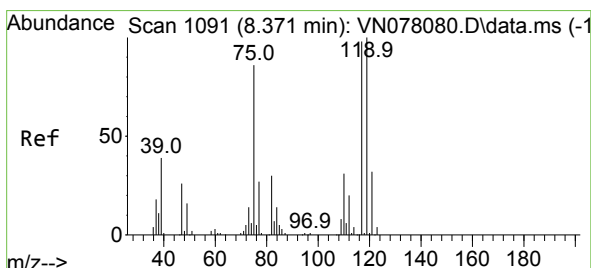
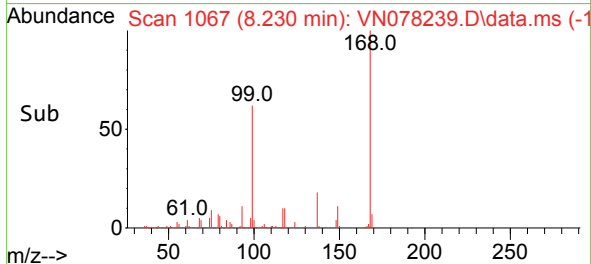
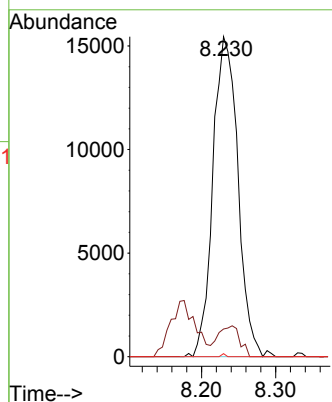
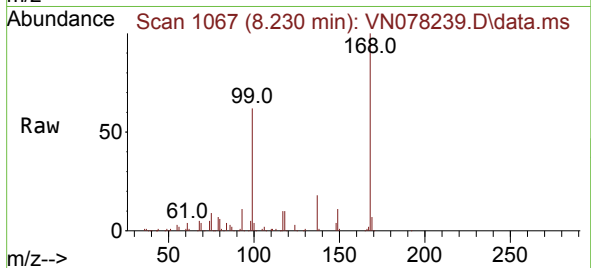
Tgt Ion: 75 Resp: 36163

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

77 0.1 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.108 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

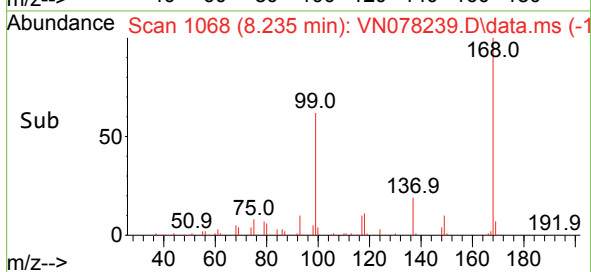
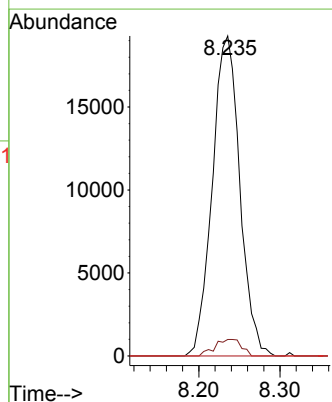
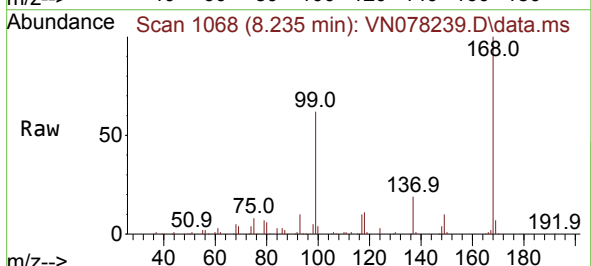
Tgt Ion: 117 Resp: 45374

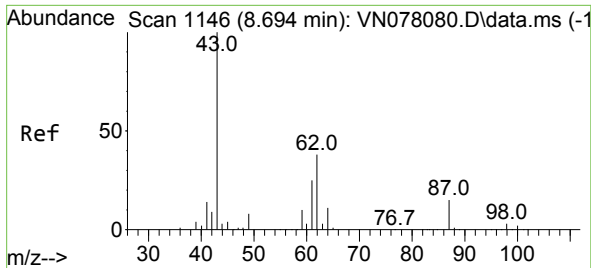
Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#

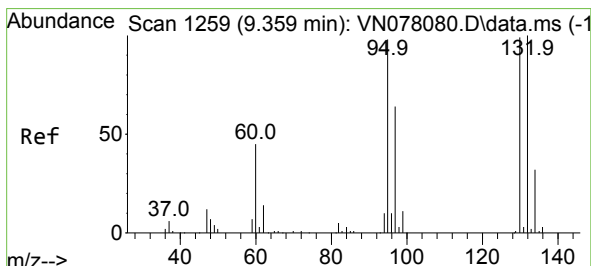
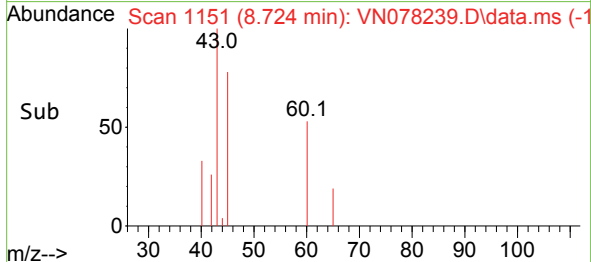
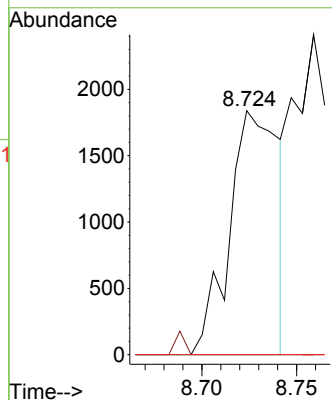
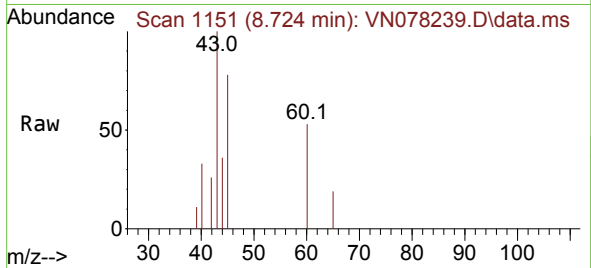




#43
Isopropyl Acetate
Concen: 0.317 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.029 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

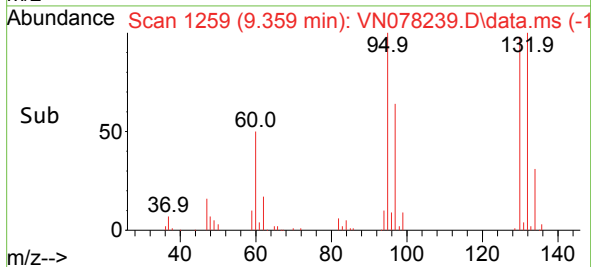
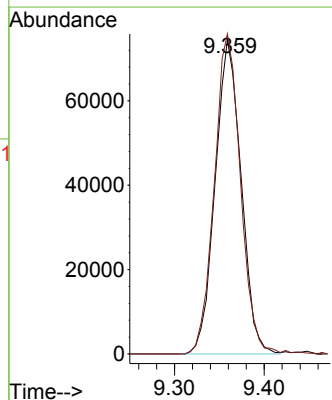
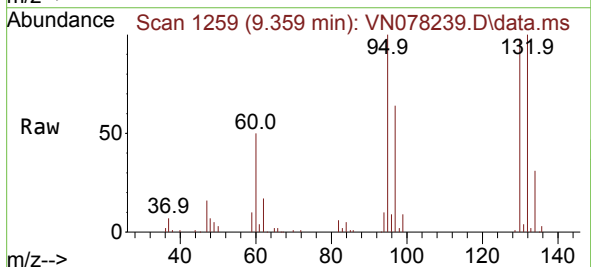
Instrument :
MSVOA_N
ClientSampleId :

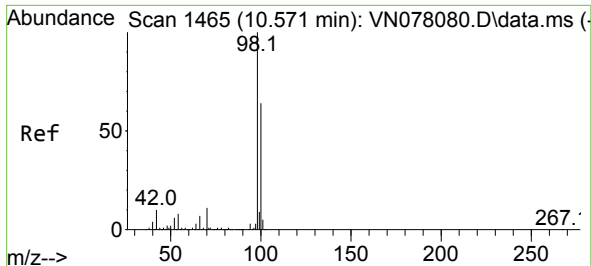
Tgt Ion: 43 Resp: 3337
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 26.927 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Tgt Ion:130 Resp: 149359
Ion Ratio Lower Upper
130 100
95 101.8 0.0 204.6

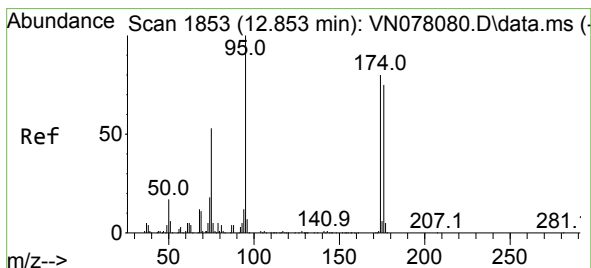
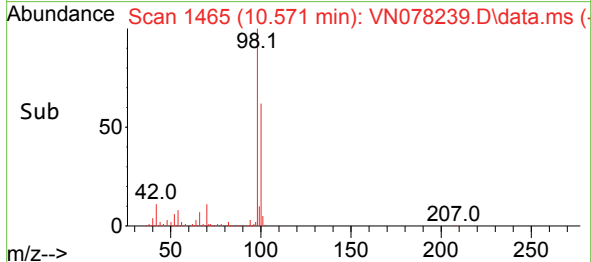
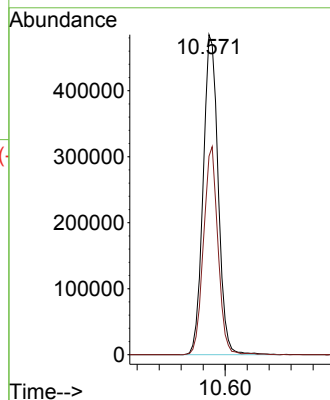
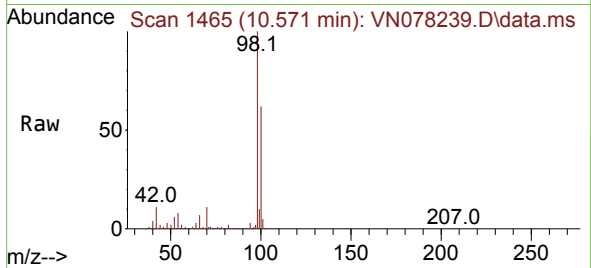




#50
Toluene-d8
Concen: 48.453 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

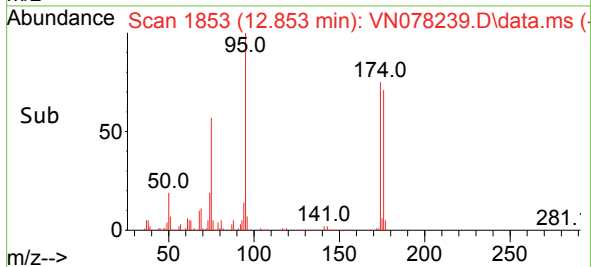
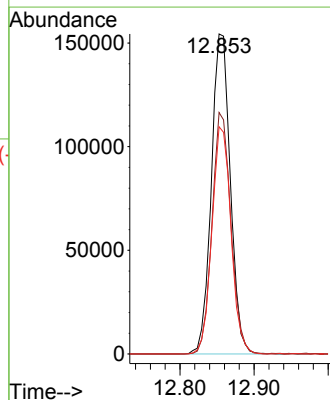
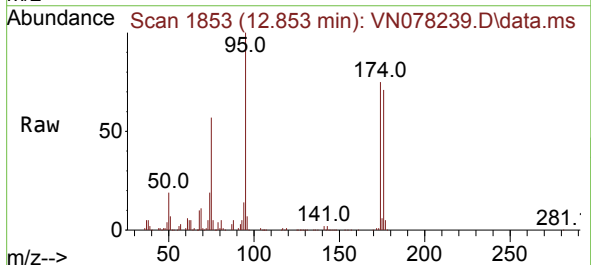
Instrument :
MSVOA_N
ClientSampleId :

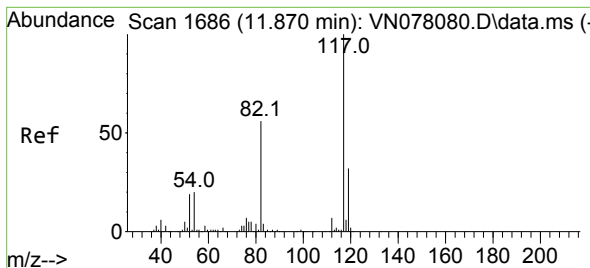
Tgt Ion: 98 Resp: 916189
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.665 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078239.D
Acq: 15 Jun 2023 19:34

Tgt Ion: 95 Resp: 274308
Ion Ratio Lower Upper
95 100
174 75.3 0.0 143.8
176 71.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

Instrument :

MSVOA_N

ClientSampleId :

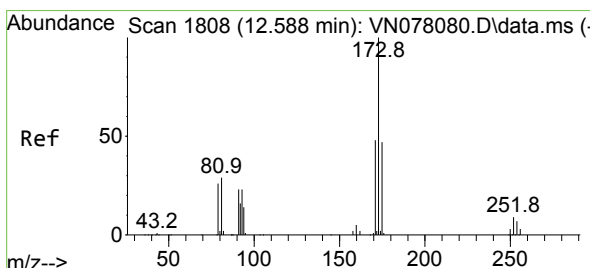
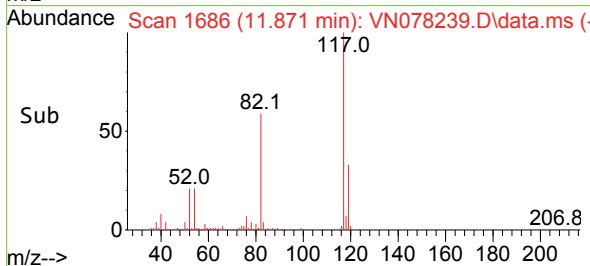
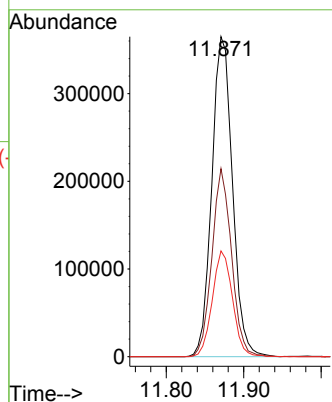
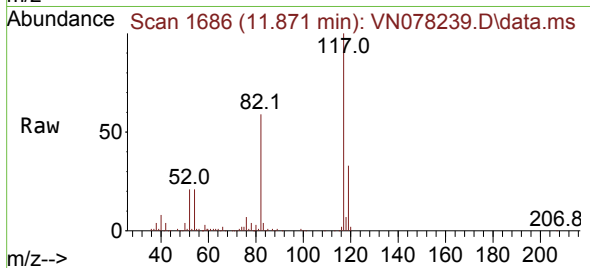
Tgt Ion:117 Resp: 678304

Ion Ratio Lower Upper

117 100

82 58.8 44.0 66.0

119 33.0 25.6 38.4



#71

Bromoform

Concen: 0.834 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.271 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

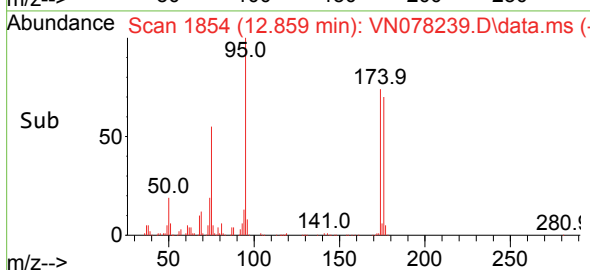
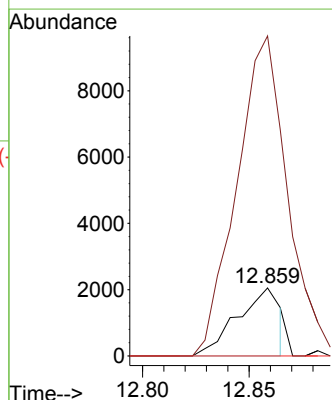
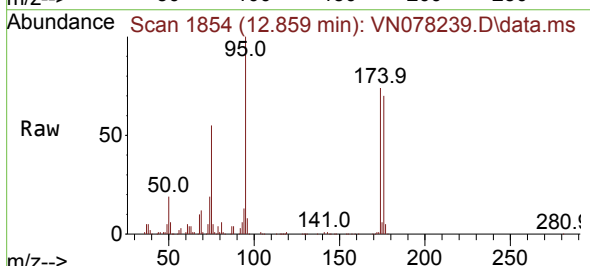
Tgt Ion:173 Resp: 2874

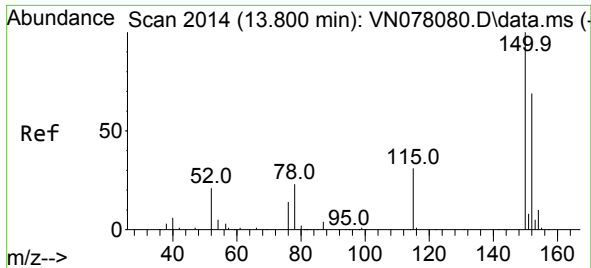
Ion Ratio Lower Upper

173 100

175 471.8 24.3 73.0#

254 0.0 0.0 0.0

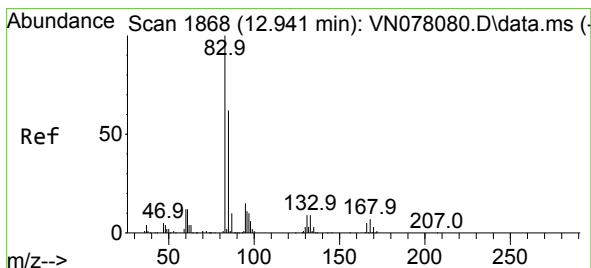
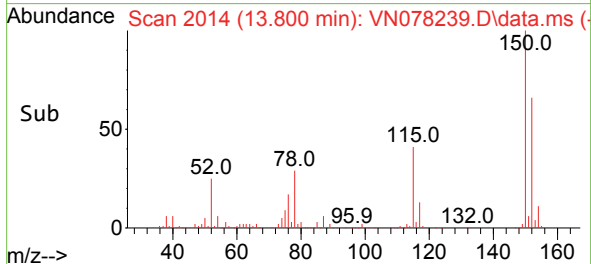
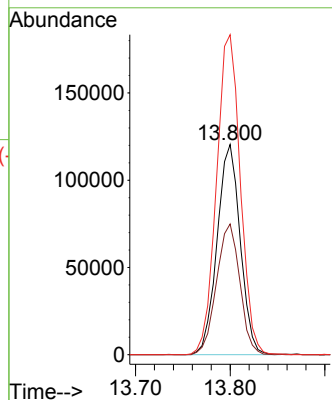
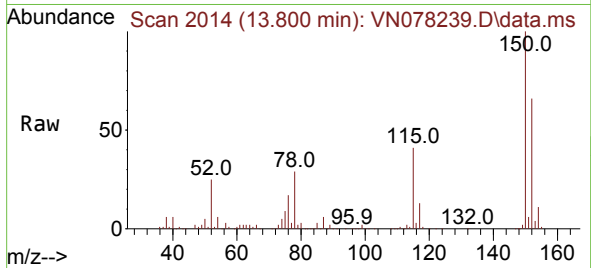




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: VN078239.D
 Acq: 15 Jun 2023 19:34

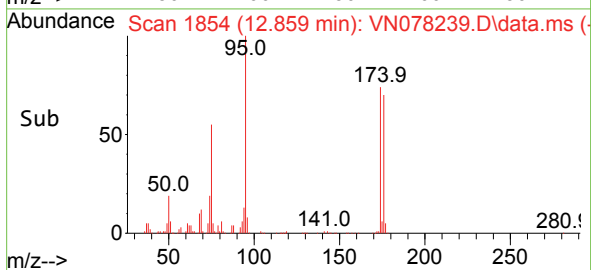
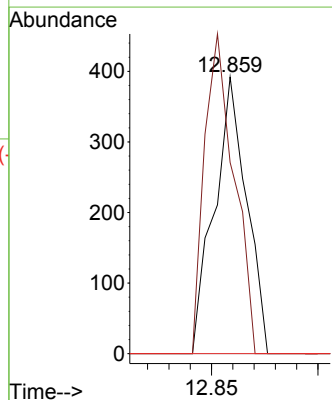
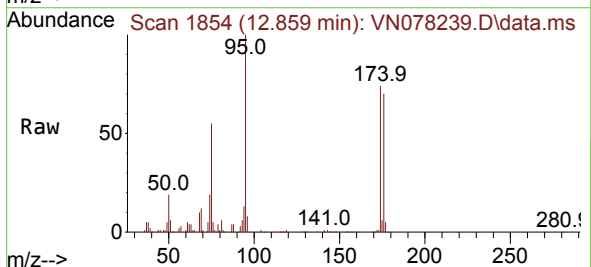
Instrument :
 MSVOA_N
 ClientSampleId :

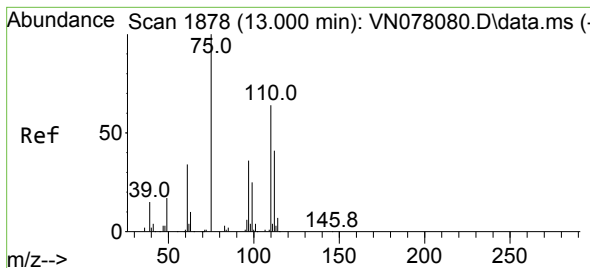
Tgt Ion:152 Resp: 203978
 Ion Ratio Lower Upper
 152 100
 115 62.8 32.3 96.8
 150 157.1 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.082 min
 Lab File: VN078239.D
 Acq: 15 Jun 2023 19:34

Tgt Ion: 83 Resp: 413
 Ion Ratio Lower Upper
 83 100
 131 105.6 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 31.534 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

Instrument :

MSVOA_N

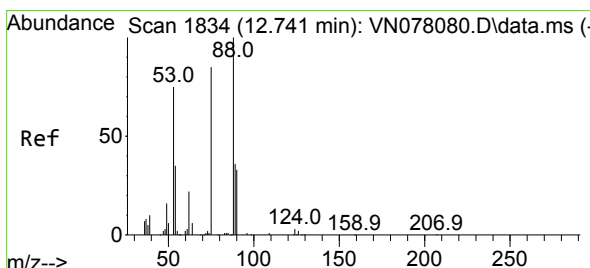
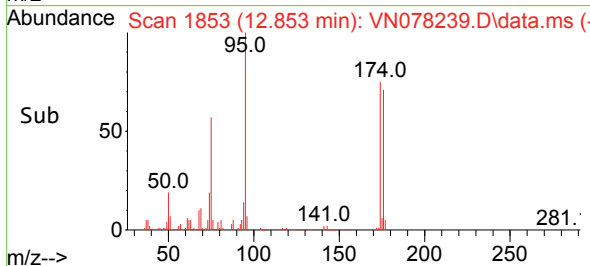
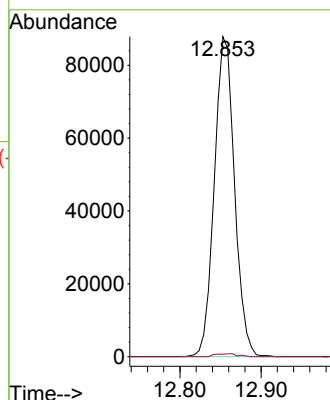
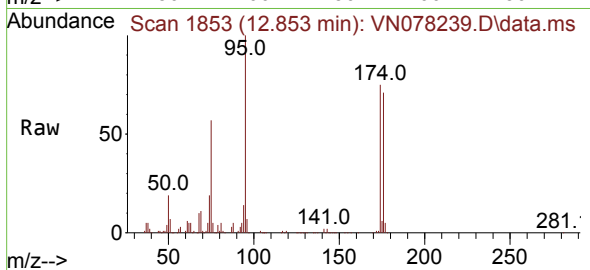
ClientSampleId :

Tgt Ion: 75 Resp: 152059

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.881 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078239.D

Acq: 15 Jun 2023 19:34

Tgt Ion: 75 Resp: 152059

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

