

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078145.D
 Acq On : 09 Jun 2023 14:58
 Operator : JC\MD
 Sample : 03123-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 23:08:43 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)

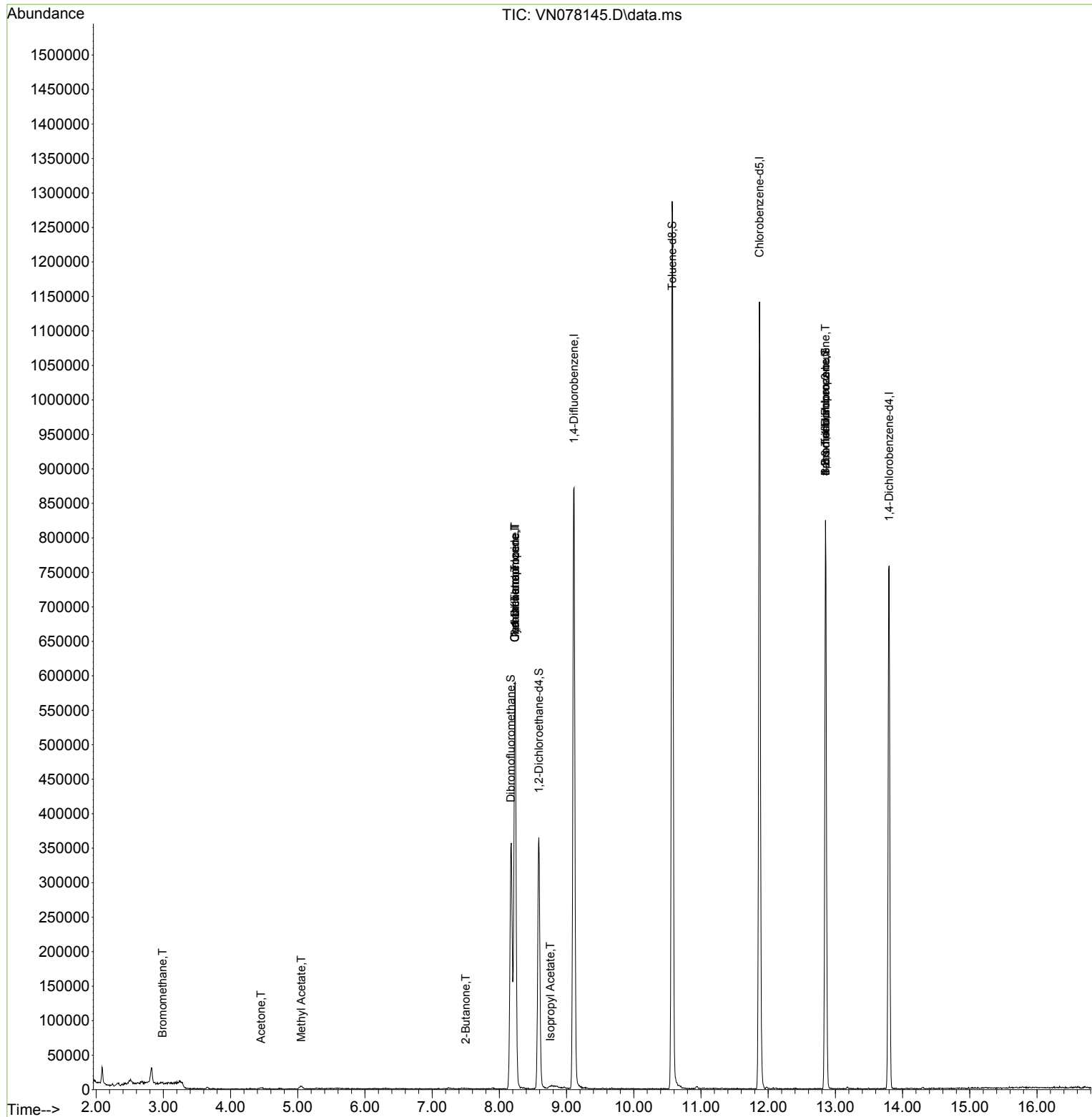
Internal Standards						
1) Pentafluorobenzene	8.236	168	427742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	792535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	693642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	209778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300814	52.746	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.500%	
35) Dibromofluoromethane	8.171	113	262190	52.322	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.640%	
50) Toluene-d8	10.571	98	952116	49.286	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.853	95	289456	48.198	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1068	Below Cal	#	42
5) Bromomethane	2.989	94	1443	0.302	ug/l #	4
16) Acetone	4.453	43	1764	1.075	ug/l	97
18) Methyl Acetate	5.053	43	7803	1.032	ug/l #	78
25) 2-Butanone	7.500	43	1672	0.662	ug/l #	37
31) Cyclohexane	8.230	56	10803	1.477	ug/l #	48
36) 1,1-Dichloropropene	8.236	75	37434	5.208	ug/l #	48
38) Carbon Tetrachloride	8.230	117	48298	6.364	ug/l #	15
43) Isopropyl Acetate	8.759	43	2830	0.264	ug/l #	49
71) Bromoform	12.853	173	2504	0.710	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.865	83	402	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	156666	31.591	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156666	97.057	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

Instrument :

MSVOA_N

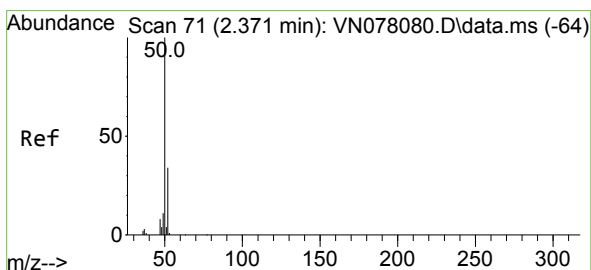
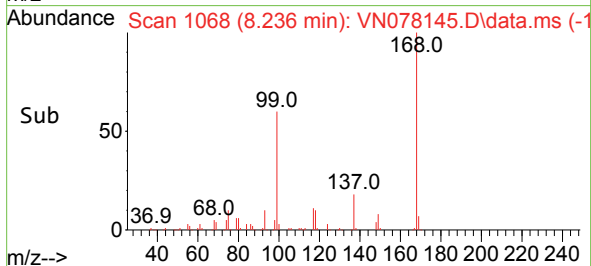
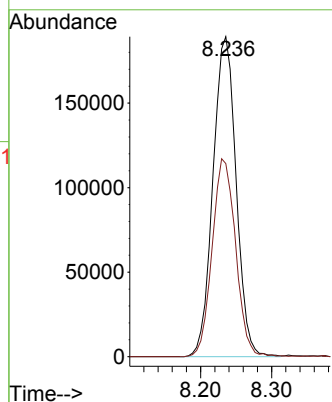
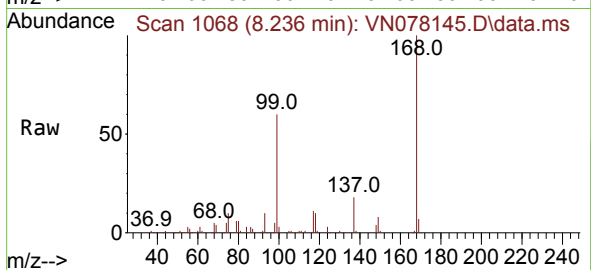
ClientSampleId :

Tgt Ion:168 Resp: 427742

Ion Ratio Lower Upper

168 100

99 60.4 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078145.D

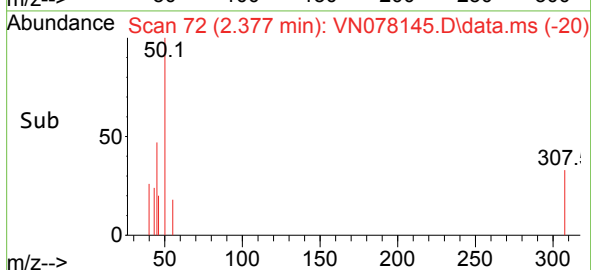
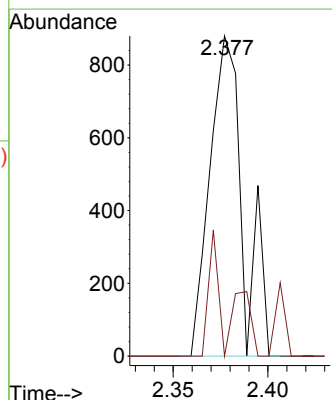
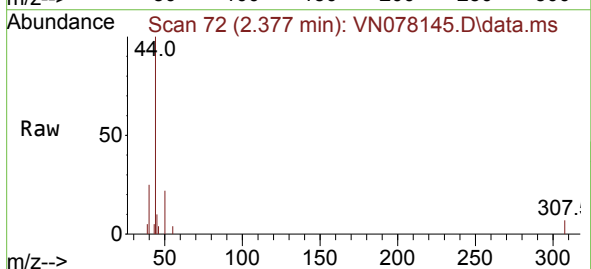
Acq: 09 Jun 2023 14:58

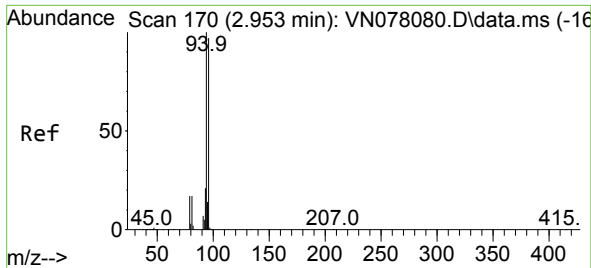
Tgt Ion: 50 Resp: 1068

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

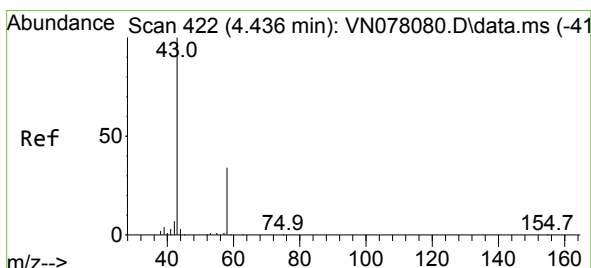
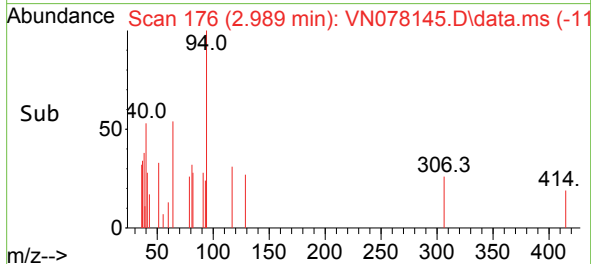
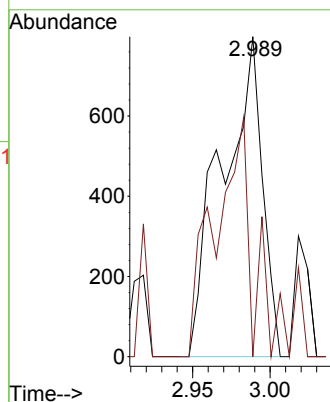
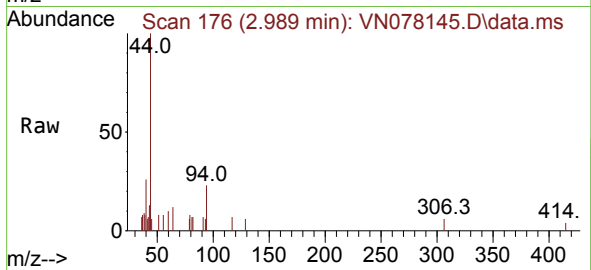




#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

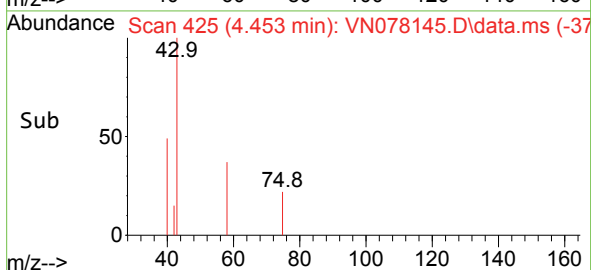
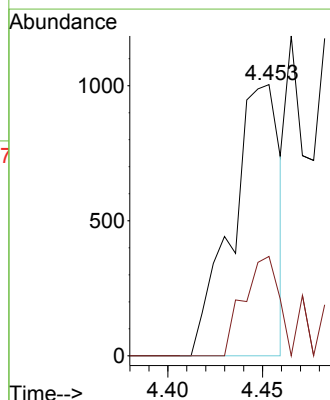
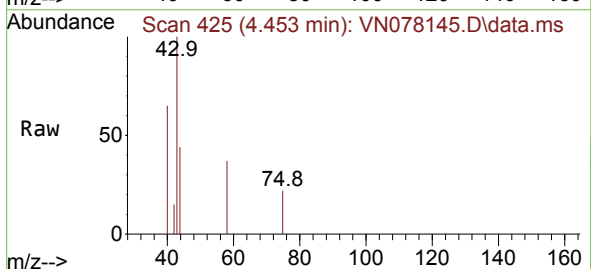
Instrument :
MSVOA_N
ClientSampleId :

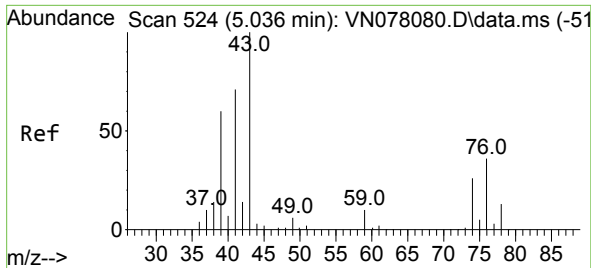
Tgt Ion: 94 Resp: 1443
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#16
Acetone
Concen: 1.075 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

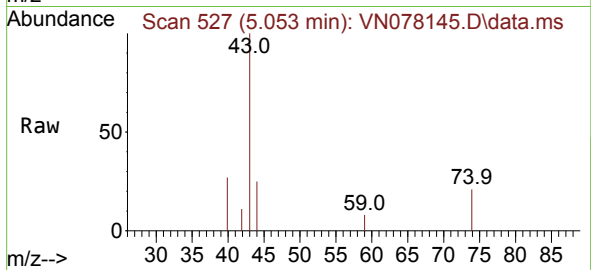
Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0



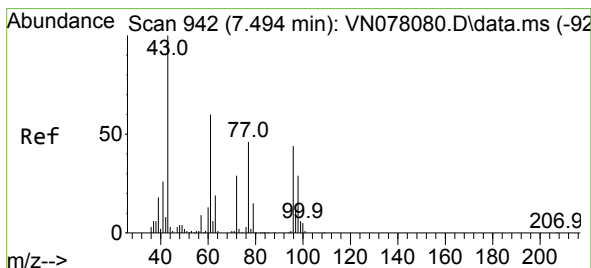
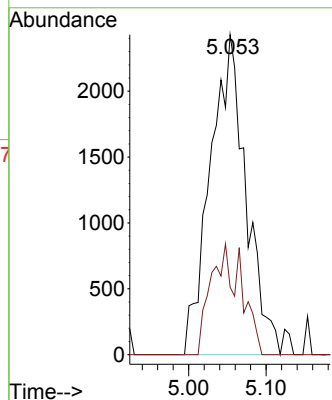
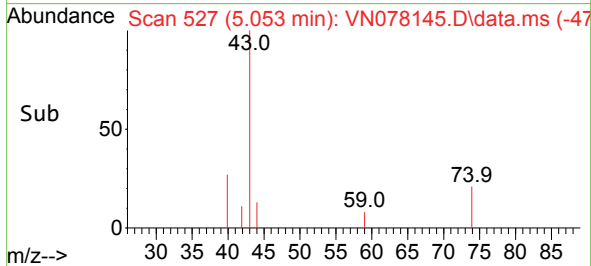


#18
Methyl Acetate
Concen: 1.032 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

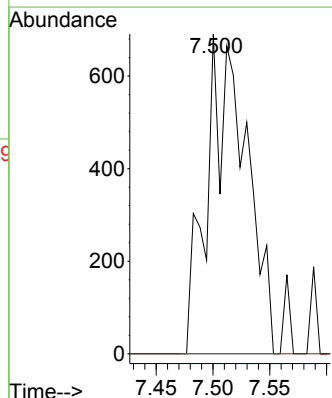
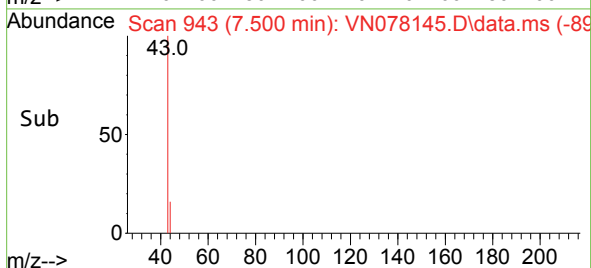
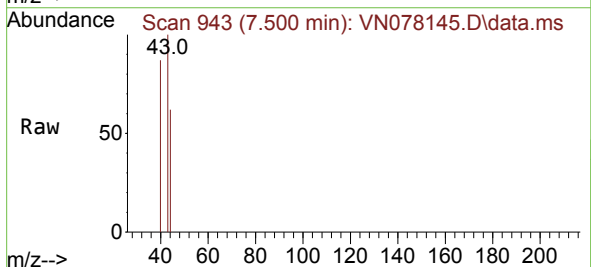


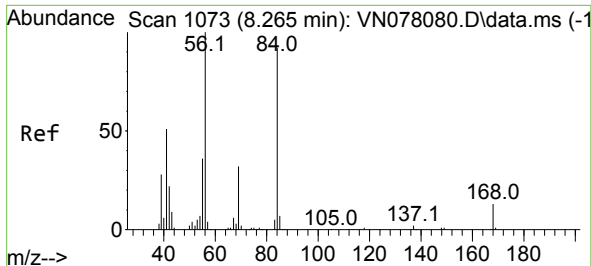
Tgt Ion: 43 Resp: 7803
Ion Ratio Lower Upper
43 100
74 20.2 26.2 39.4#



#25
2-Butanone
Concen: 0.662 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

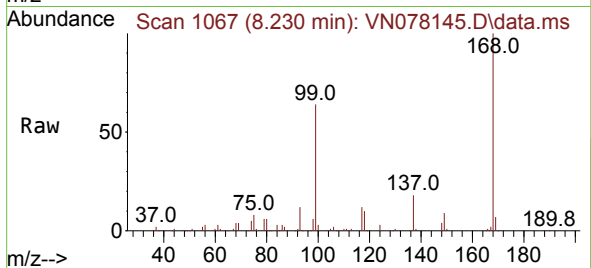
Tgt Ion: 43 Resp: 1672
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



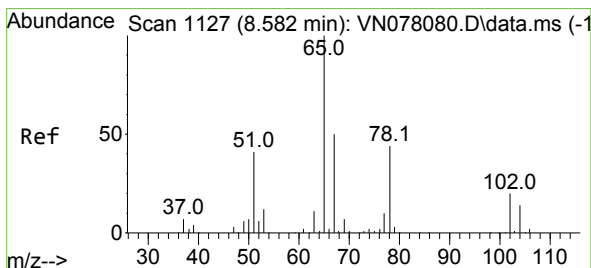
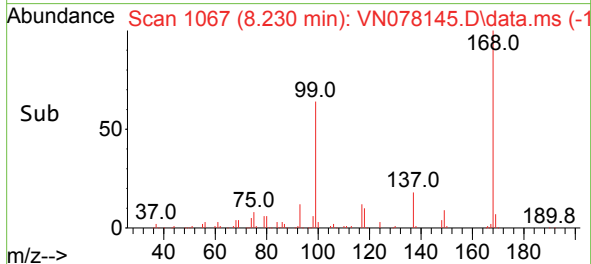
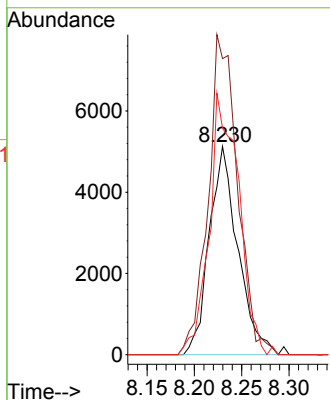


#31
Cyclohexane
Concen: 1.477 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

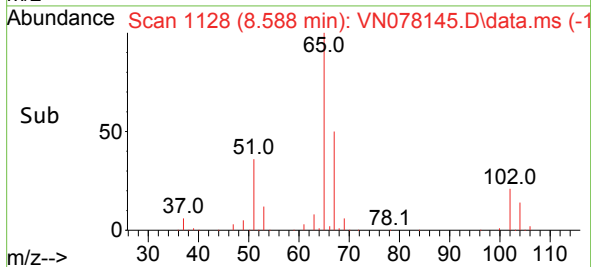
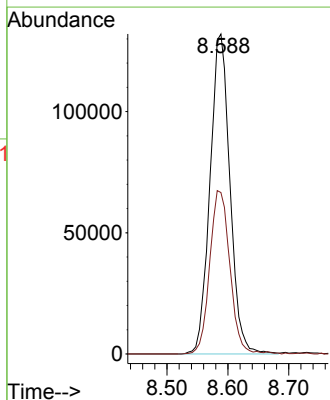
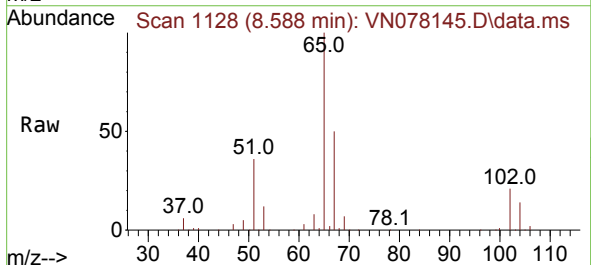


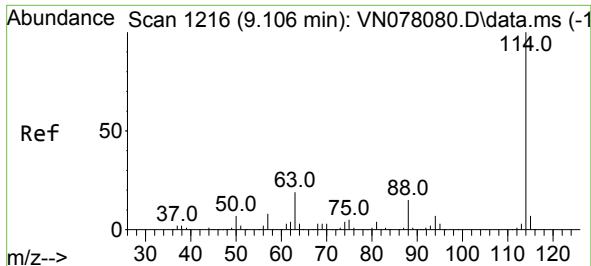
Tgt Ion: 56 Resp: 10803
Ion Ratio Lower Upper
56 100
69 142.2 26.8 40.2#
84 108.8 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.746 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Tgt Ion: 65 Resp: 300814
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

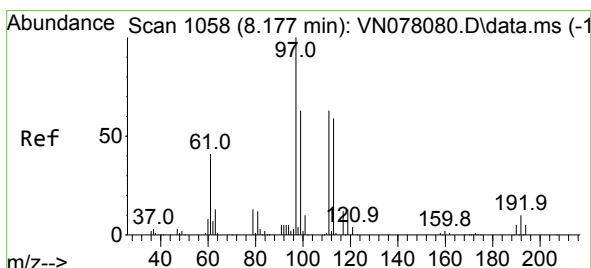
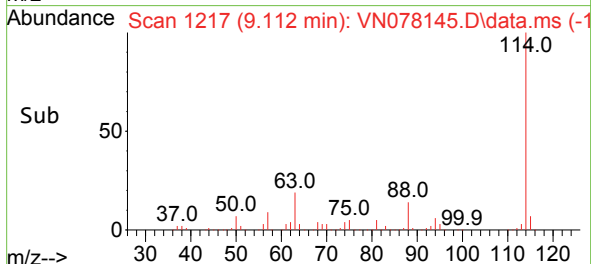
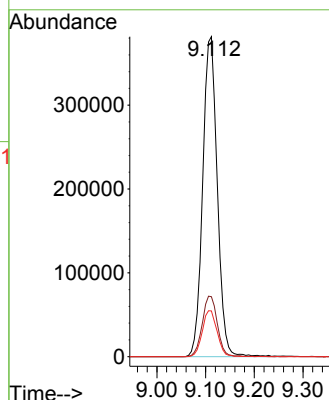
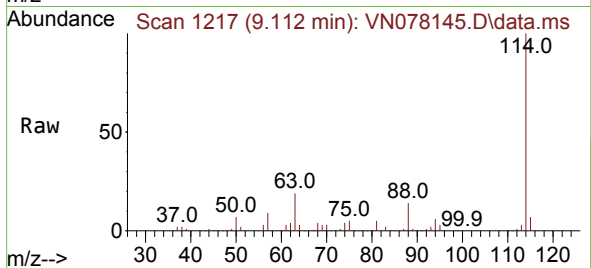
Tgt Ion:114 Resp: 792535

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.322 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

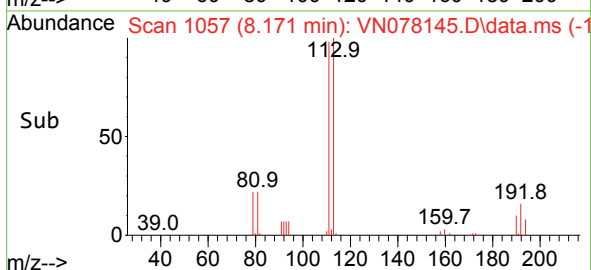
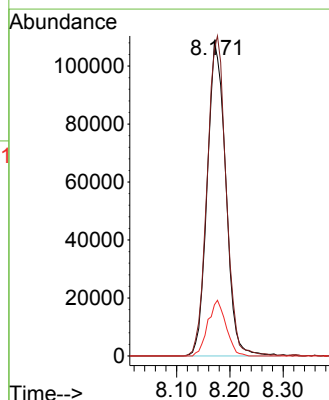
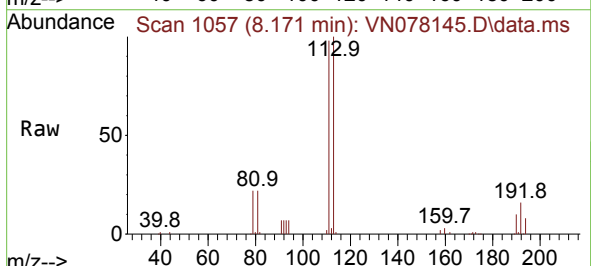
Tgt Ion:113 Resp: 262190

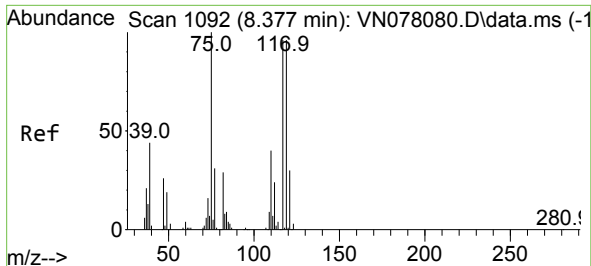
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.208 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

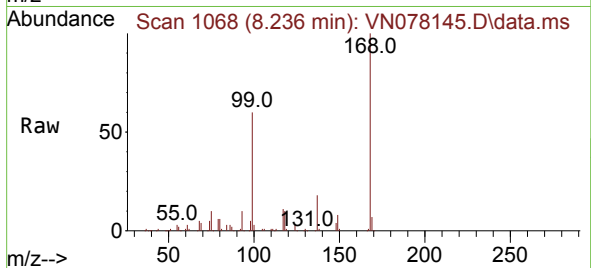
Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :



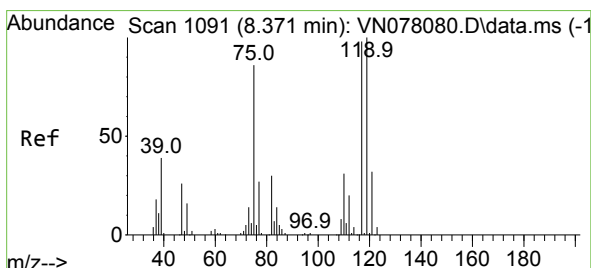
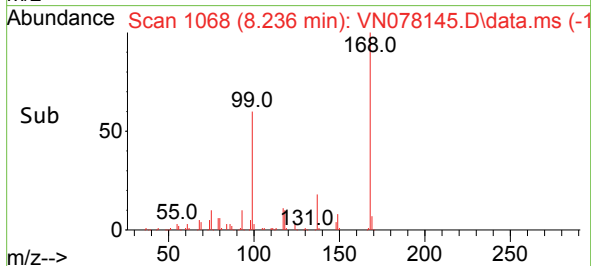
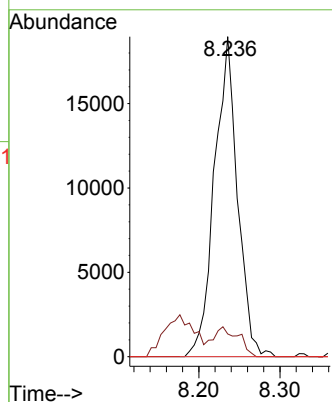
Tgt Ion: 75 Resp: 37434

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.364 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

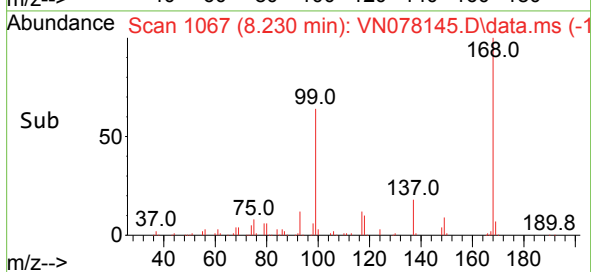
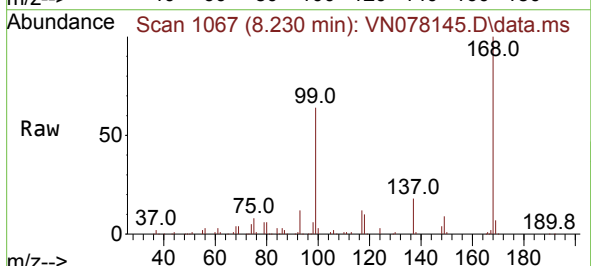
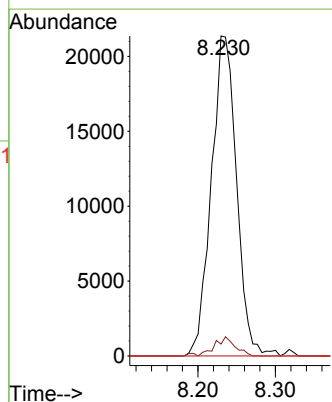
Tgt Ion: 117 Resp: 48298

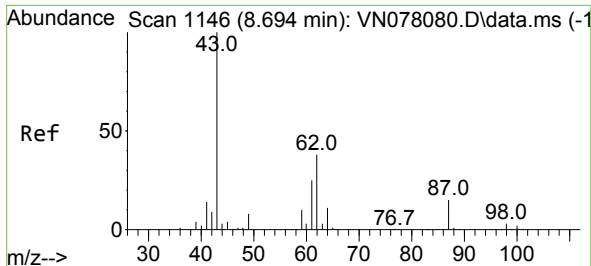
Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#

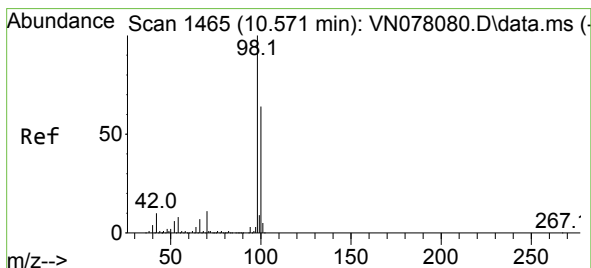
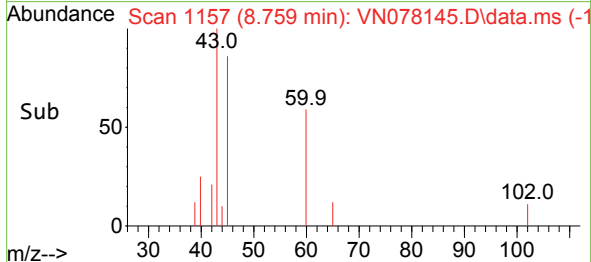
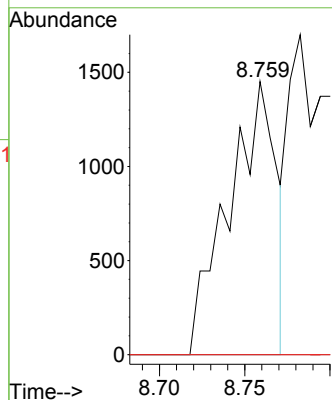
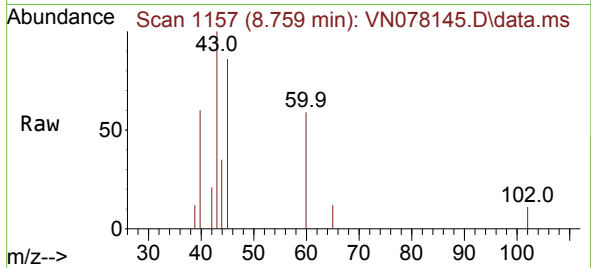




#43
Isopropyl Acetate
Concen: 0.264 ug/l
RT: 8.759 min Scan# 1157
Delta R.T. 0.065 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

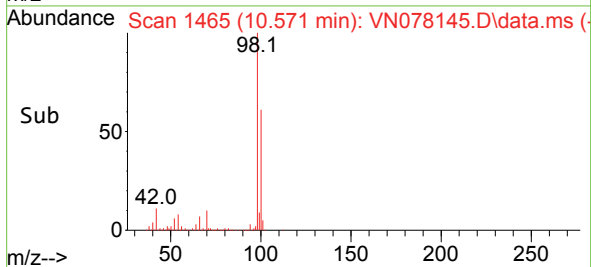
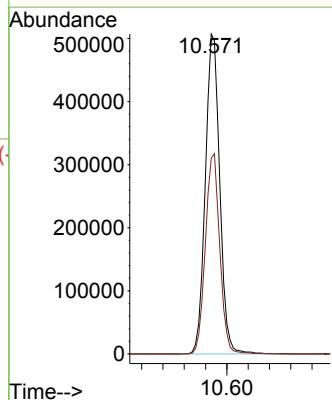
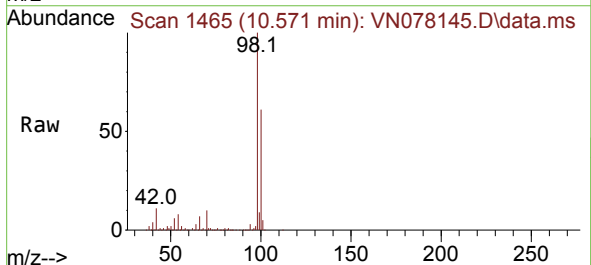
Instrument :
MSVOA_N
ClientSampleId :

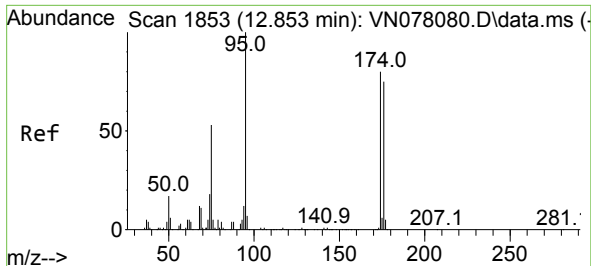
Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.286 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Tgt Ion: 98 Resp: 952116
Ion Ratio Lower Upper
98 100
100 62.4 52.0 78.0

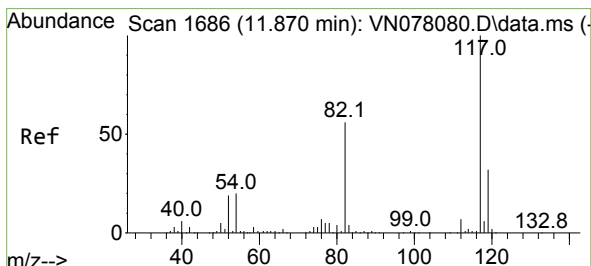
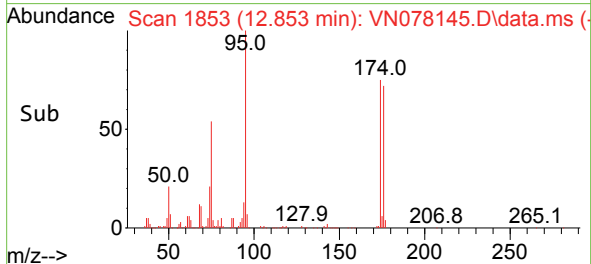
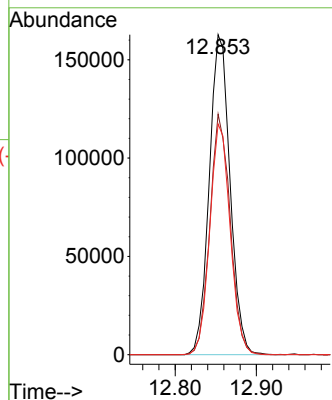
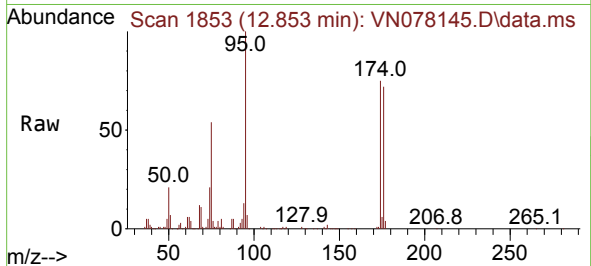




#62
4-Bromofluorobenzene
Concen: 48.198 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

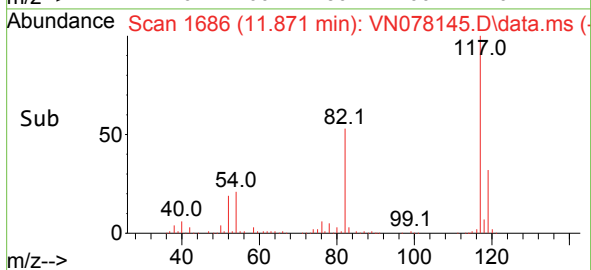
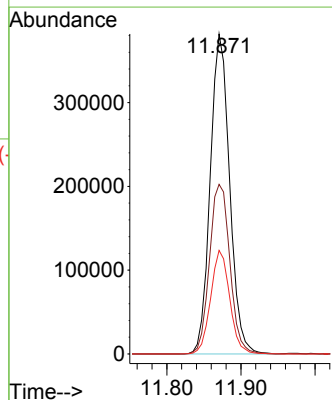
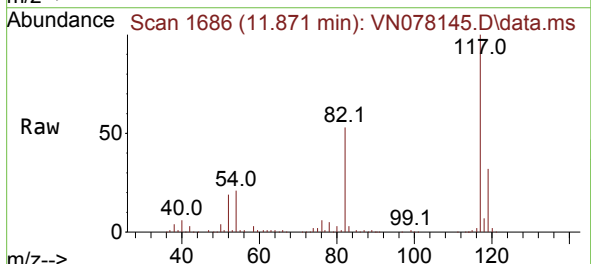
Instrument :
MSVOA_N
ClientSampleId :

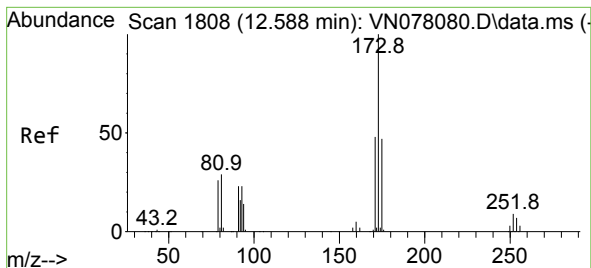
Tgt Ion: 95 Resp: 289456
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 70.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Tgt Ion: 117 Resp: 693642
Ion Ratio Lower Upper
117 100
82 53.0 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.710 ug/l

RT: 12.853 min Scan# 1808

Delta R.T. 0.265 min

Lab File: VN078145.D

Acq: 09 Jun 2023 14:58

Instrument :

MSVOA_N

ClientSampleId :

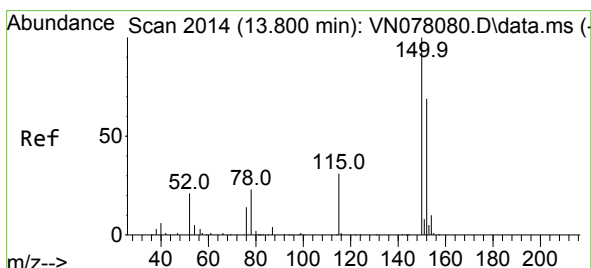
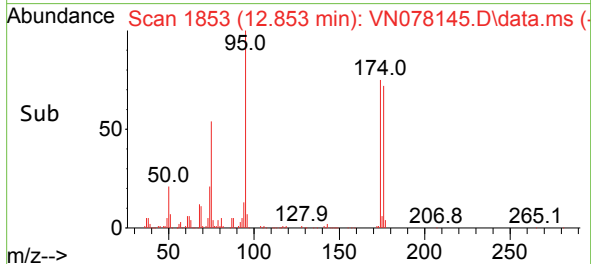
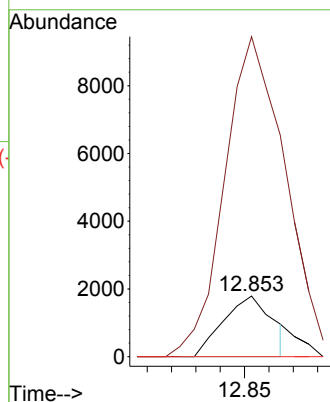
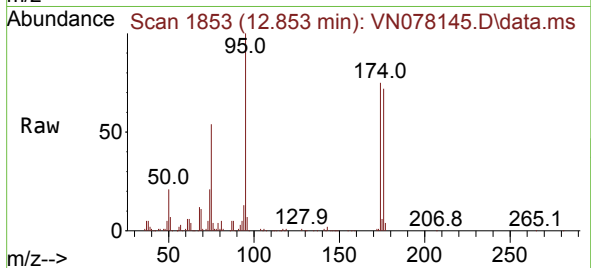
Tgt Ion:173 Resp: 2504

Ion Ratio Lower Upper

173 100

175 561.3 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: VN078145.D

Acq: 09 Jun 2023 14:58

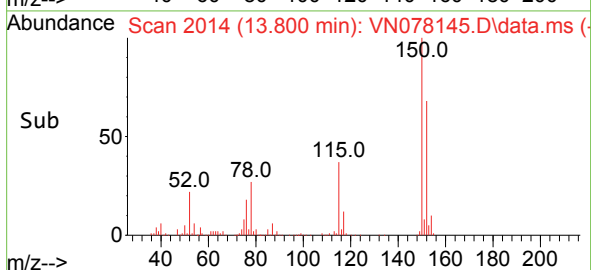
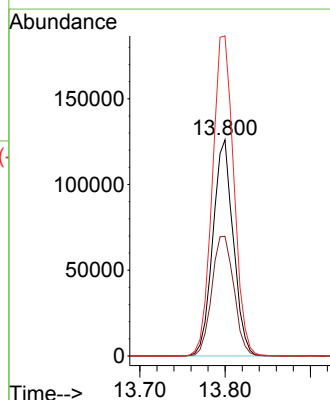
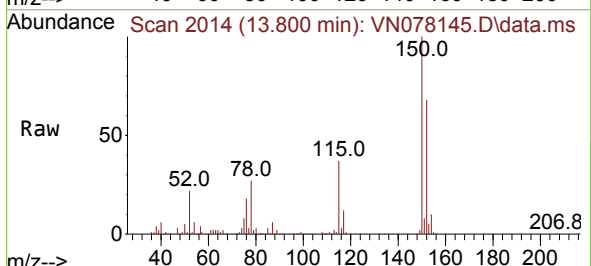
Tgt Ion:152 Resp: 209778

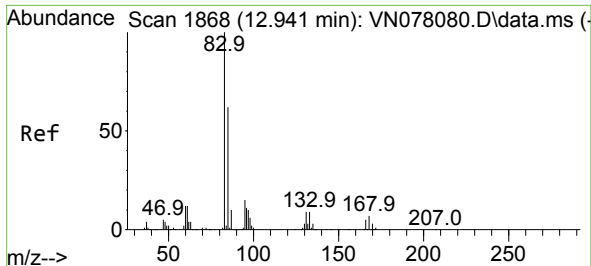
Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

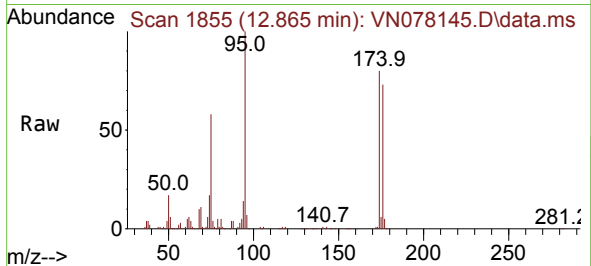
150 155.9 0.0 355.8



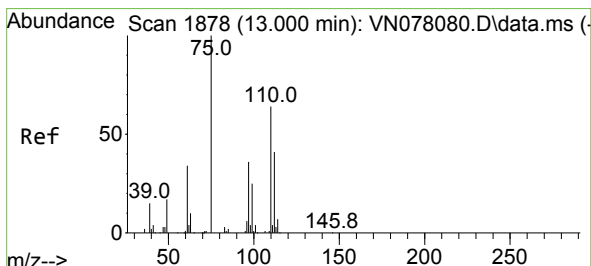
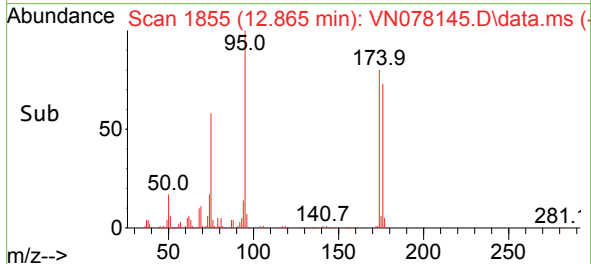
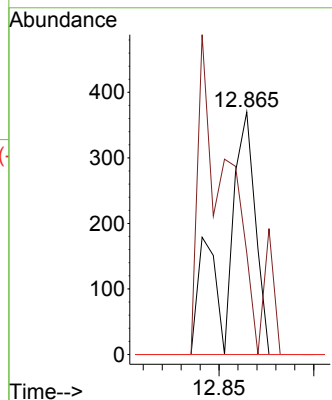


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.865 min Scan# 1855
Delta R.T. -0.076 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

Instrument :
MSVOA_N
ClientSampleId :

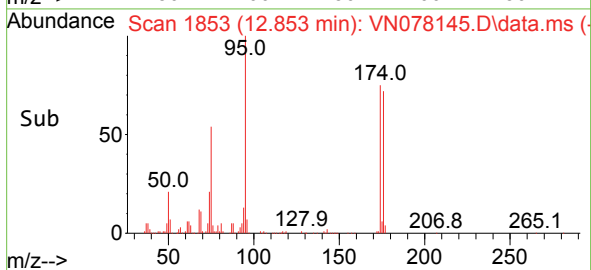
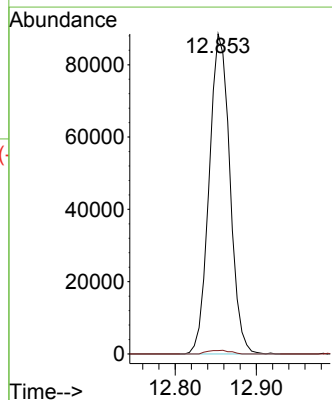
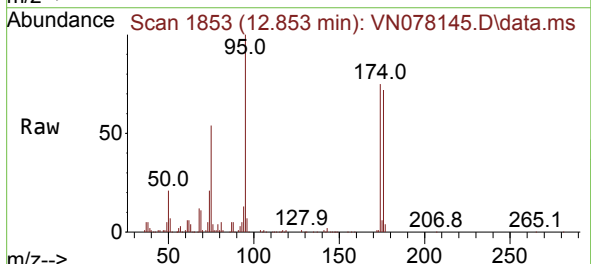


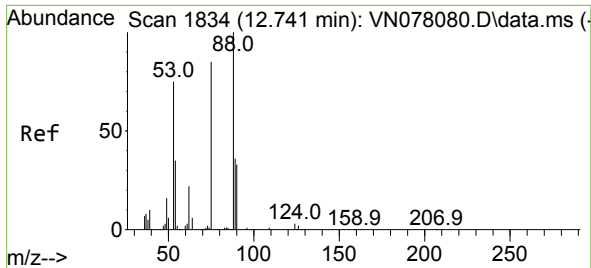
Tgt Ion: 83 Resp: 402
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.591 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078145.D
Acq: 09 Jun 2023 14:58

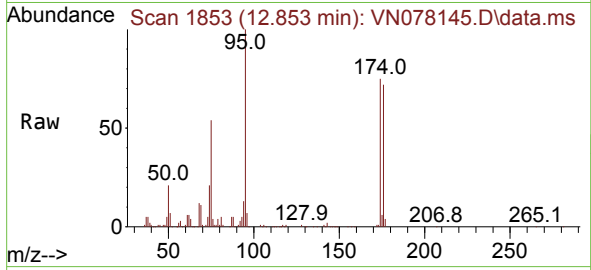
Tgt Ion: 75 Resp: 156666
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.057 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078145.D
 Acq: 09 Jun 2023 14:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 156666
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

