

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062123\
 Data File : VN078323.D
 Acq On : 21 Jun 2023 15:34
 Operator : JC\MD
 Sample : 03359-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

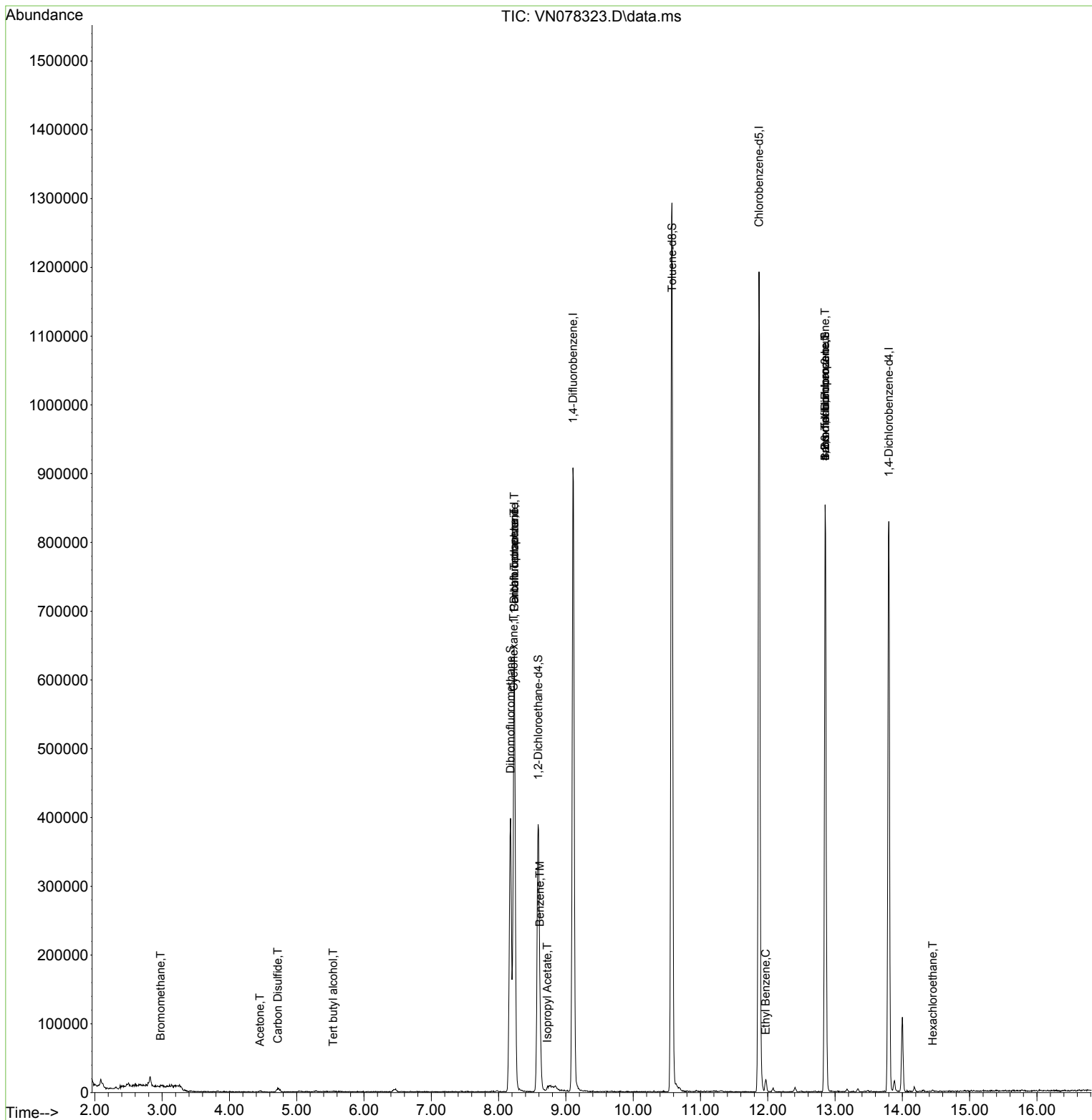
Quant Time: Jun 22 04:50:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	446802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	804106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	711373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	234742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	312516	52.460	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.920%		
35) Dibromofluoromethane	8.176	113	282396	55.543	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 111.080%		
50) Toluene-d8	10.576	98	946488	48.289	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.580%		
62) 4-Bromofluorobenzene	12.853	95	303184	49.757	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 99.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1737	Below Cal	#	55
5) Bromomethane	2.977	94	1662	0.333	ug/l #	48
11) Tert butyl alcohol	5.541	59	501	0.609	ug/l #	72
16) Acetone	4.453	43	1392	0.812	ug/l #	40
17) Carbon Disulfide	4.718	76	6335	0.504	ug/l #	92
31) Cyclohexane	8.223	56	11004	1.440	ug/l #	52
36) 1,1-Dichloropropene	8.229	75	37646	5.162	ug/l #	47
38) Carbon Tetrachloride	8.235	117	47869	6.216	ug/l #	14
40) Benzene	8.612	78	83220	3.822	ug/l	99
43) Isopropyl Acetate	8.723	43	2890	0.265	ug/l #	49
67) Ethyl Benzene	11.970	91	11506	0.438	ug/l	97
71) Bromoform	12.853	173	2539	0.702	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	110	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	162384	29.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	162384	89.901	ug/l #	15
90) Hexachloroethane	14.452	117	1276	0.433	ug/l #	21

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

Quant Time: Jun 22 04:50:24 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

Instrument :

MSVOA_N

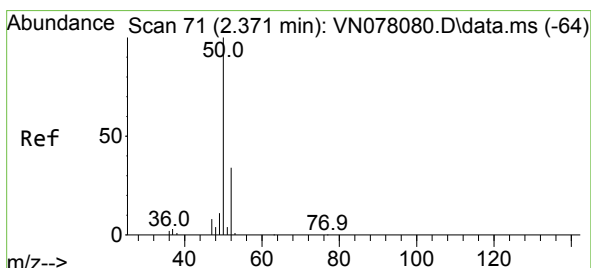
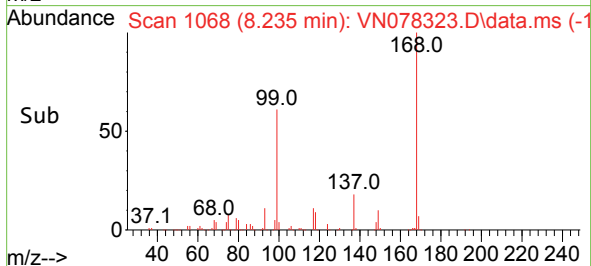
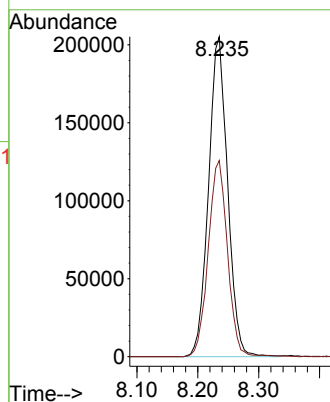
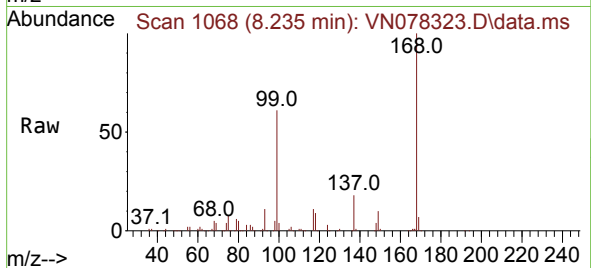
ClientSampleId :

Tgt Ion:168 Resp: 446802

Ion Ratio Lower Upper

168 100

99 61.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.006 min

Lab File: VN078323.D

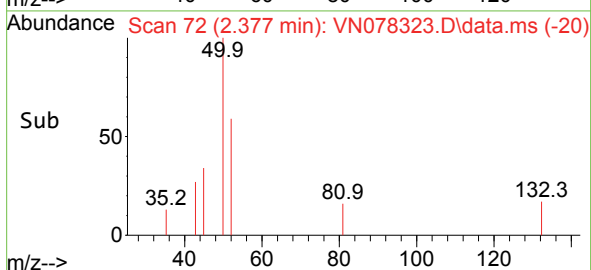
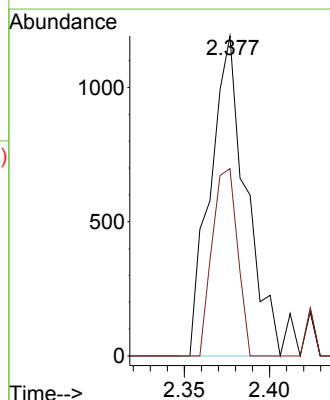
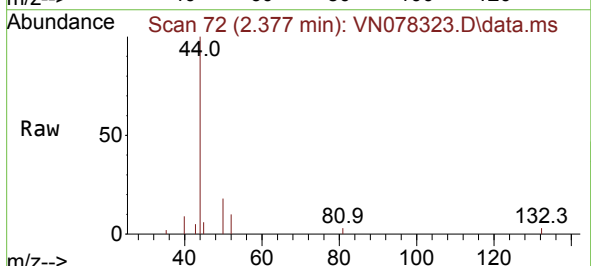
Acq: 21 Jun 2023 15:34

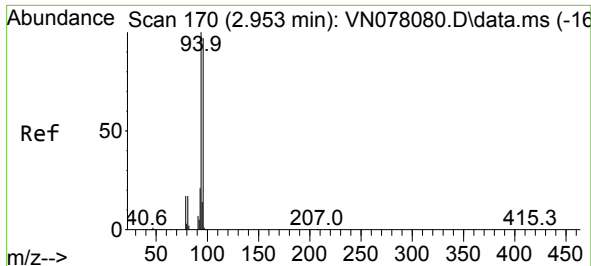
Tgt Ion: 50 Resp: 1737

Ion Ratio Lower Upper

50 100

52 58.6 26.5 39.7#

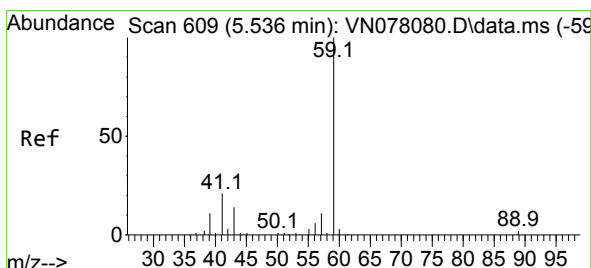
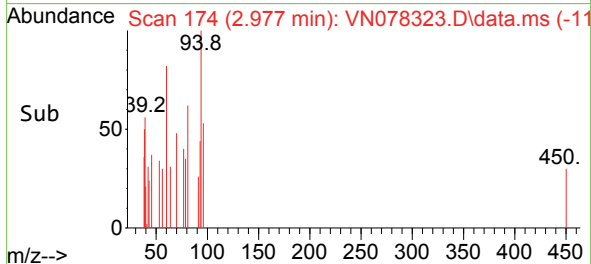
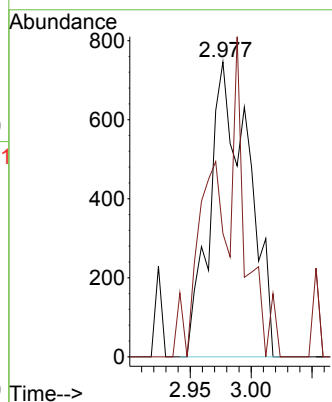
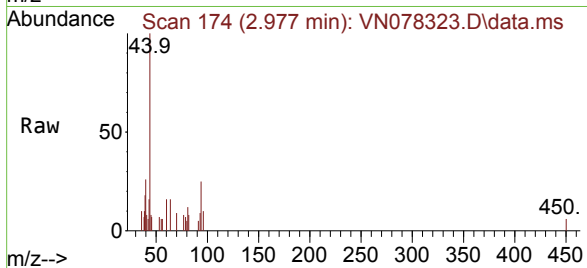




#5
Bromomethane
Concen: 0.333 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

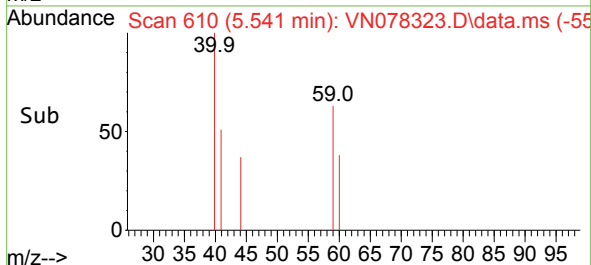
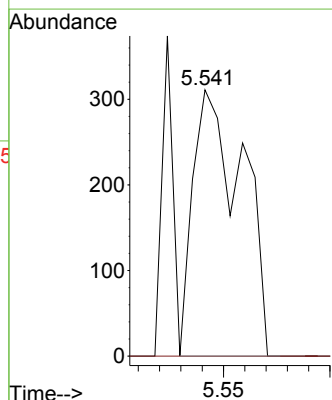
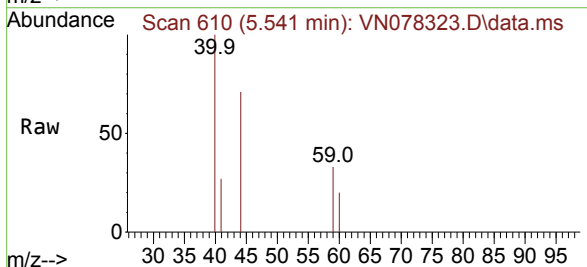
Instrument :
MSVOA_N
ClientSampleId :

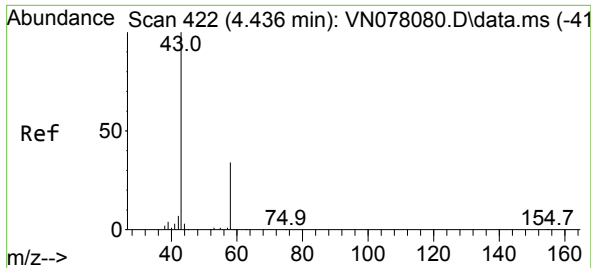
Tgt Ion: 94 Resp: 1662
Ion Ratio Lower Upper
94 100
96 41.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.609 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Tgt Ion: 59 Resp: 501
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

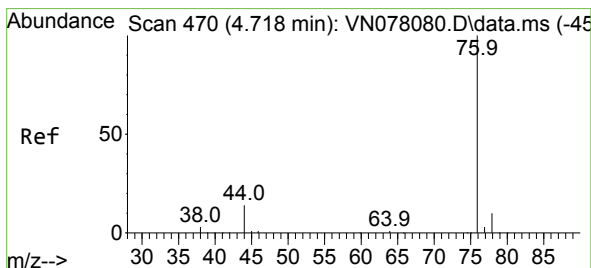
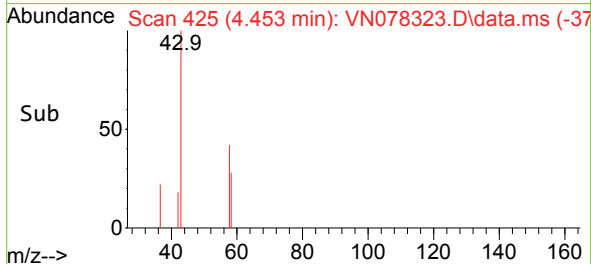
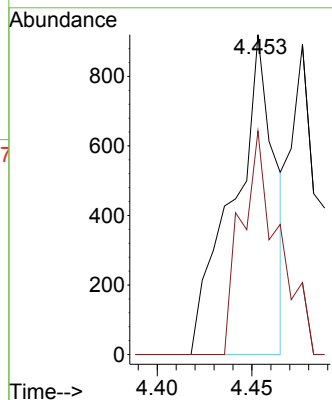
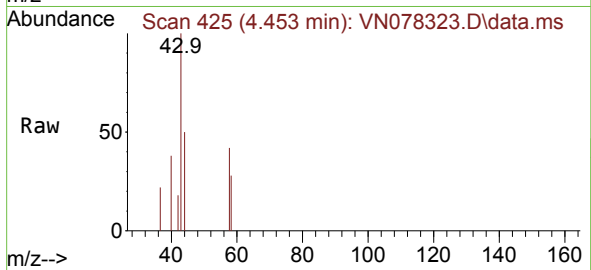




#16
Acetone
Concen: 0.812 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

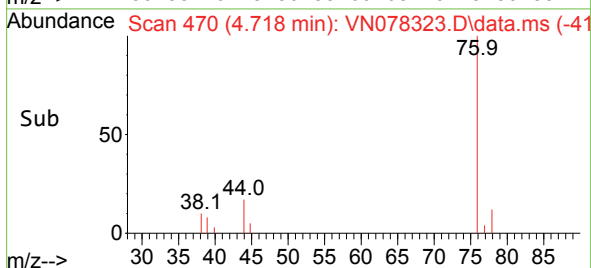
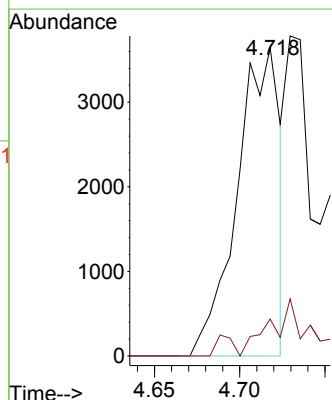
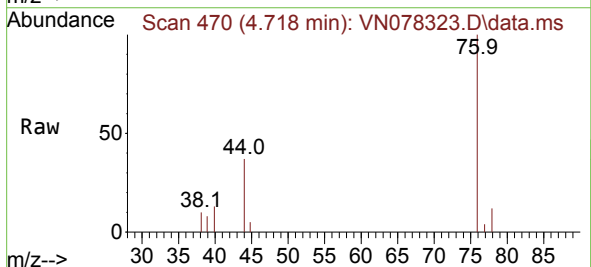
Instrument :
MSVOA_N
ClientSampleId :

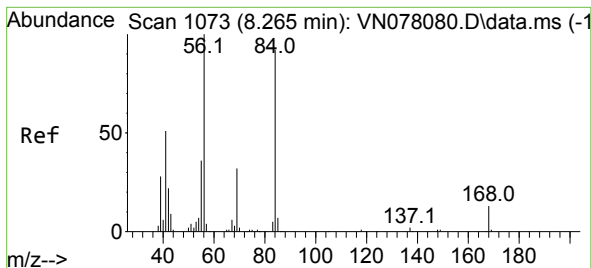
Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
58 69.9 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.504 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Tgt Ion: 76 Resp: 6335
Ion Ratio Lower Upper
76 100
78 12.0 7.4 11.0#





#31

Cyclohexane

Concen: 1.440 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

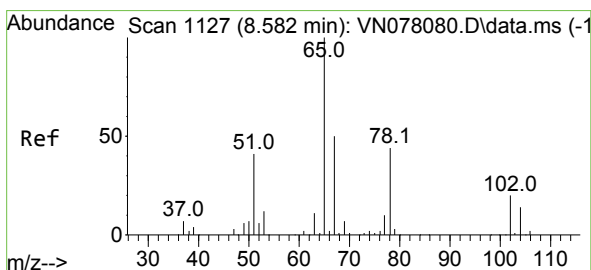
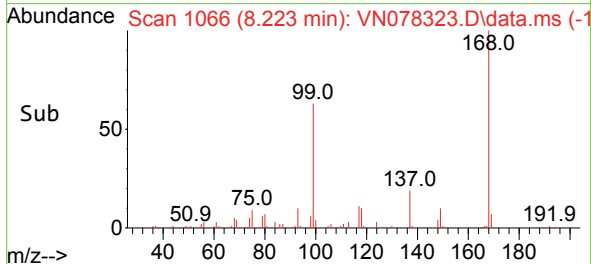
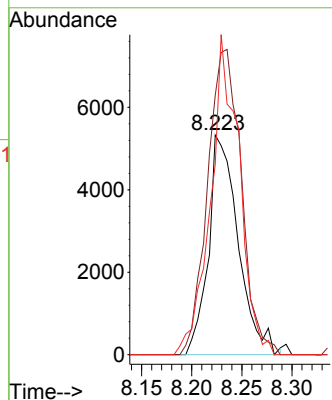
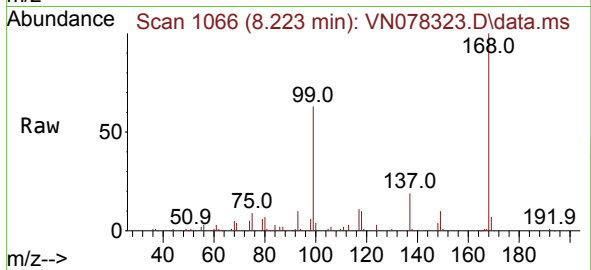
Tgt Ion: 56 Resp: 11004

Ion Ratio Lower Upper

56 100

69 118.1 26.8 40.2#

84 86.6 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 52.460 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN078323.D

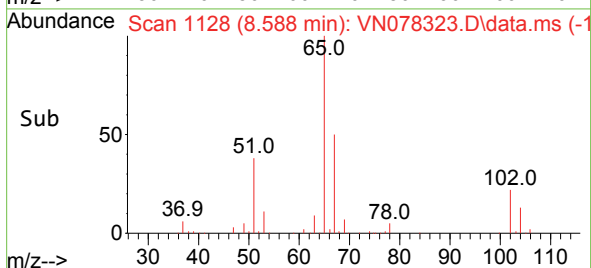
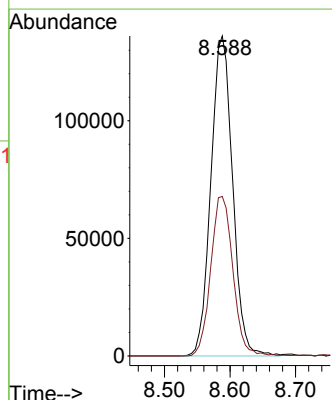
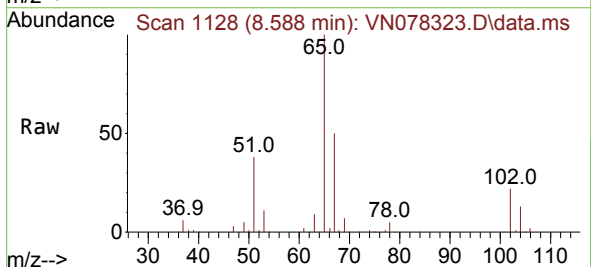
Acq: 21 Jun 2023 15:34

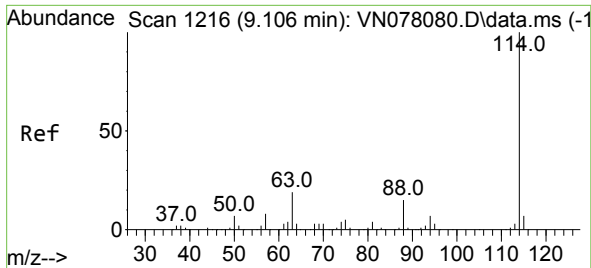
Tgt Ion: 65 Resp: 312516

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.6

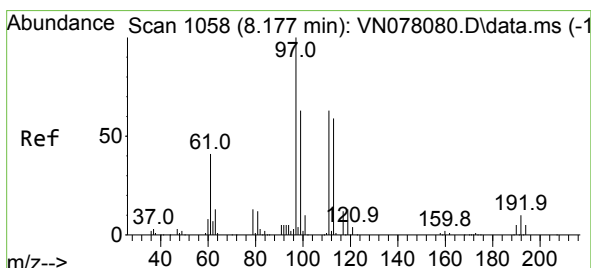
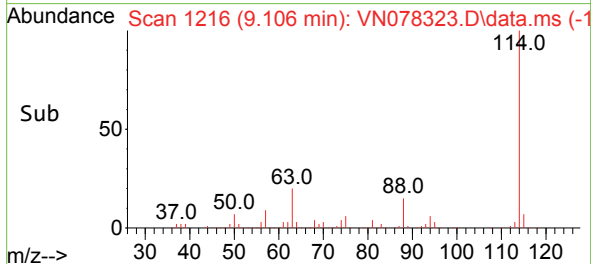
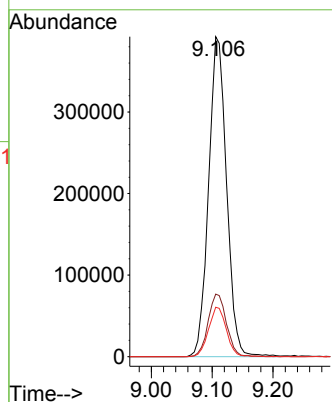
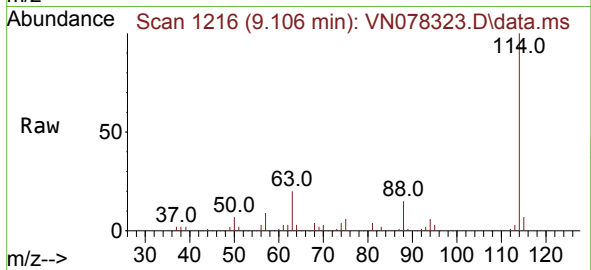




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

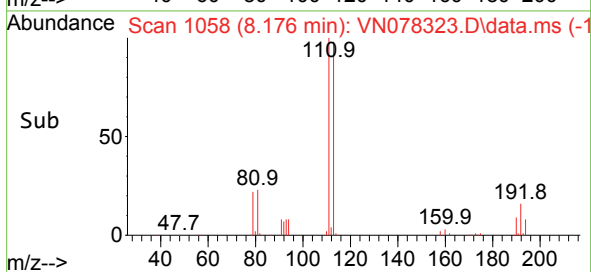
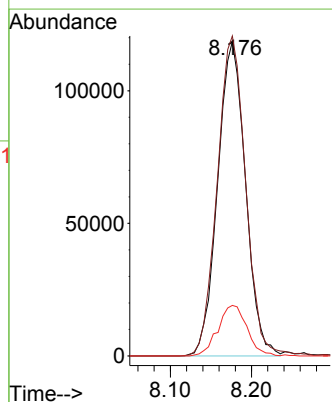
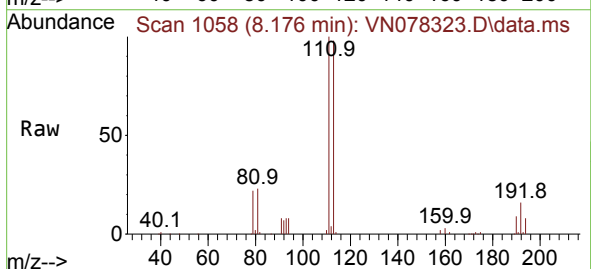
Instrument :
MSVOA_N
ClientSampleId :

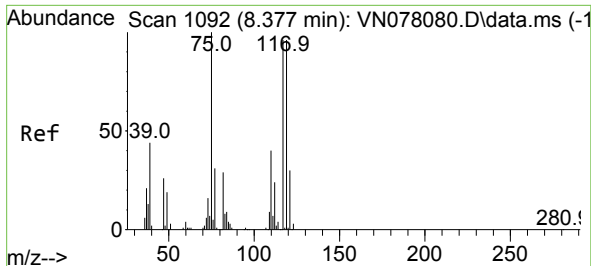
Tgt Ion:114 Resp: 804106
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 55.543 ug/l
RT: 8.176 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Tgt Ion:113 Resp: 282396
Ion Ratio Lower Upper
113 100
111 104.1 82.6 123.8
192 16.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

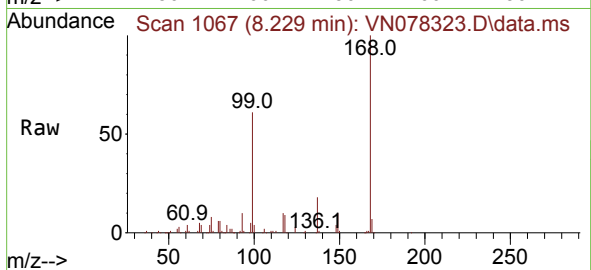
Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :



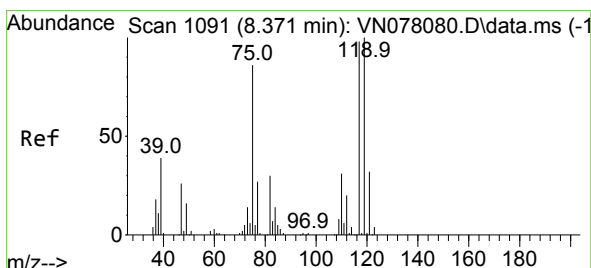
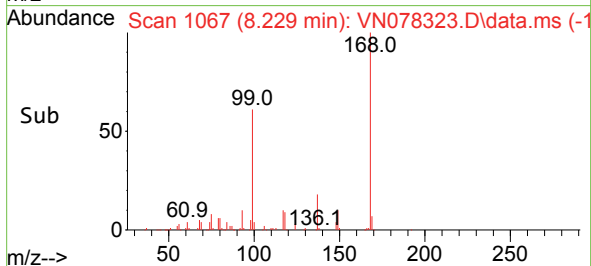
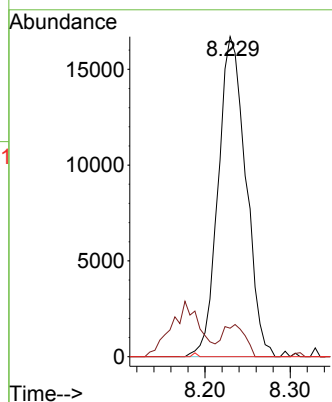
Tgt Ion: 75 Resp: 37646

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

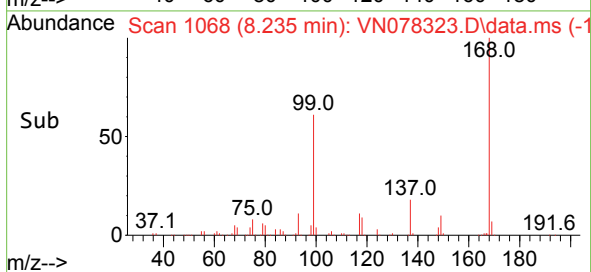
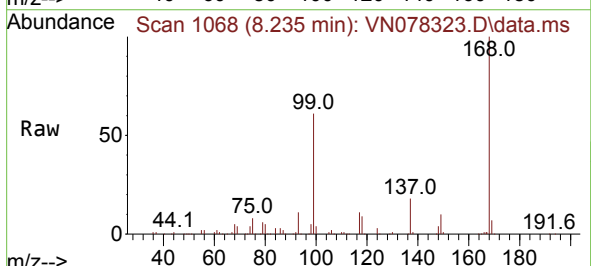
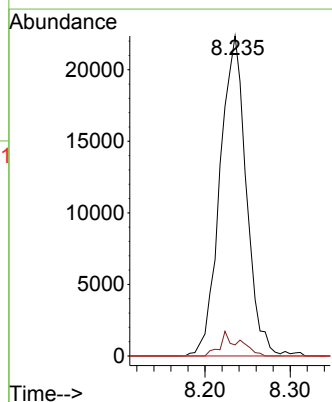
Tgt Ion: 117 Resp: 47869

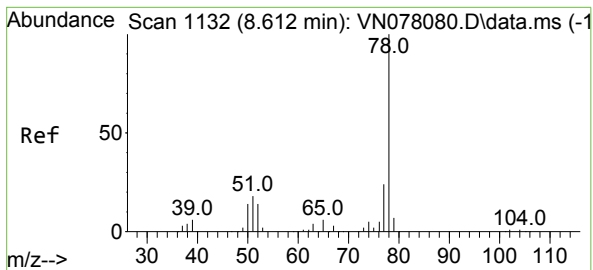
Ion Ratio Lower Upper

117 100

119 3.5 77.3 115.9#

121 0.0 23.3 34.9#





#40

Benzene

Concen: 3.822 ug/l

RT: 8.612 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

Instrument :

MSVOA_N

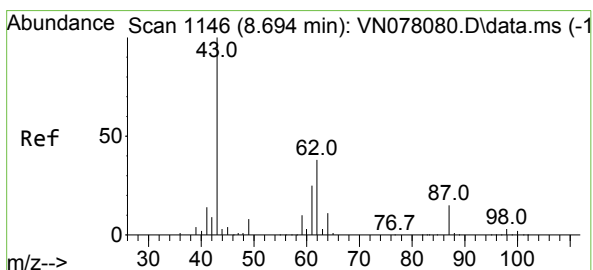
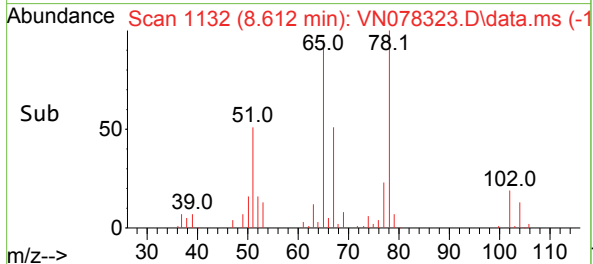
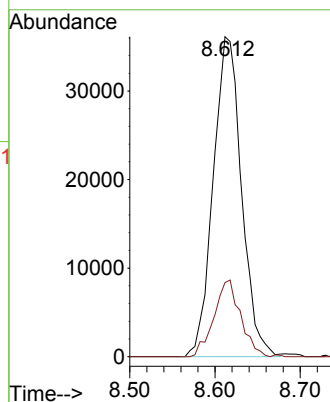
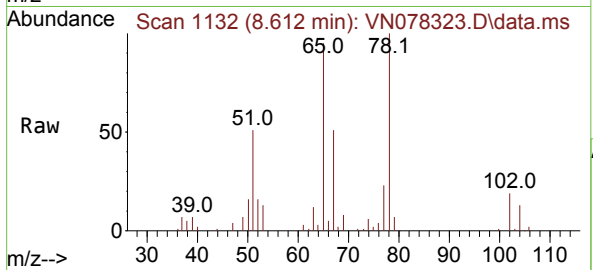
ClientSampleId :

Tgt Ion: 78 Resp: 83220

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6



#43

Isopropyl Acetate

Concen: 0.265 ug/l

RT: 8.723 min Scan# 1151

Delta R.T. 0.029 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

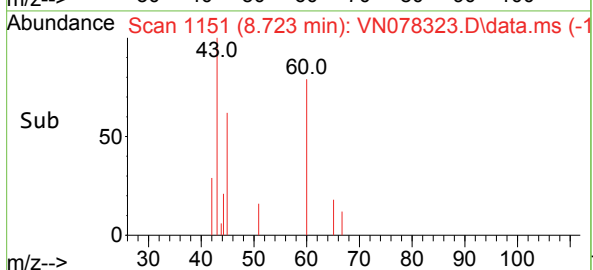
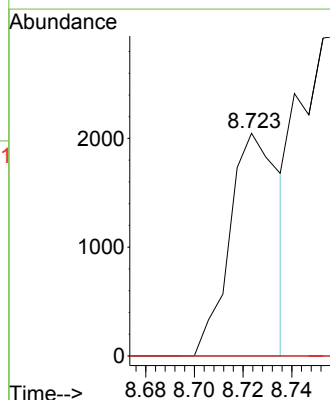
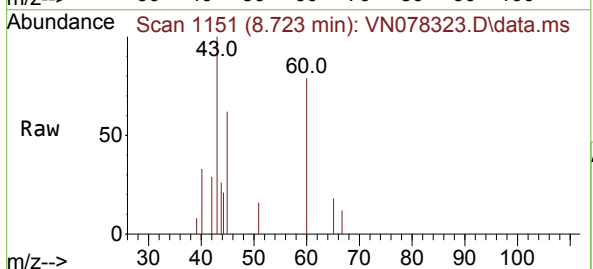
Tgt Ion: 43 Resp: 2890

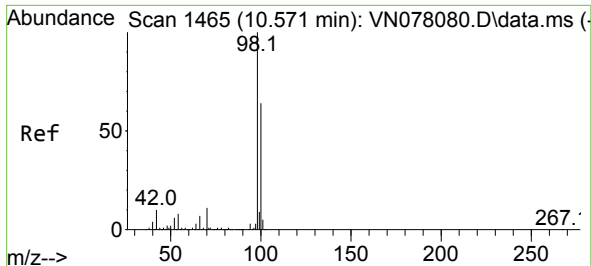
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

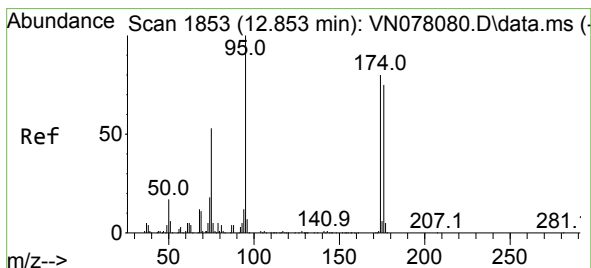
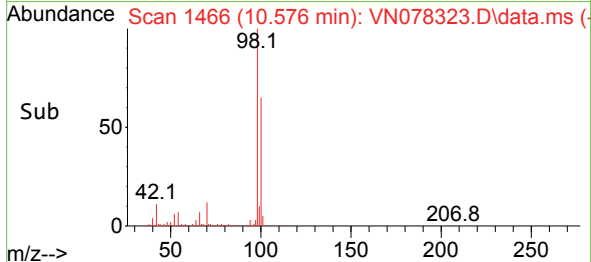
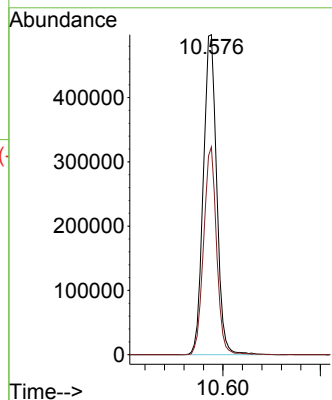
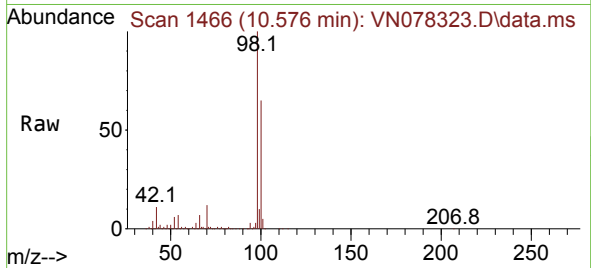




#50
Toluene-d8
Concen: 48.289 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

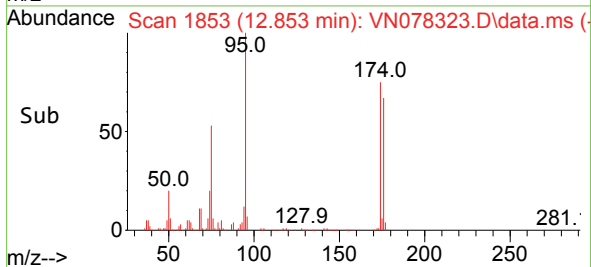
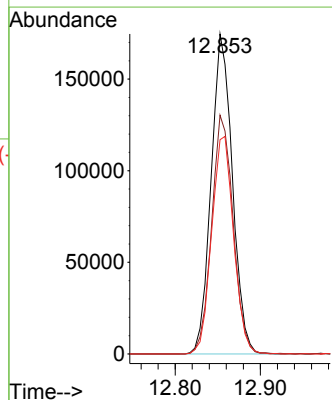
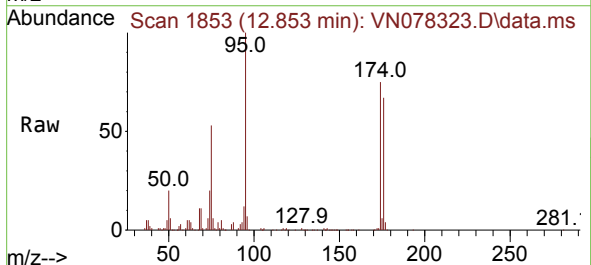
Instrument :
MSVOA_N
ClientSampleId :

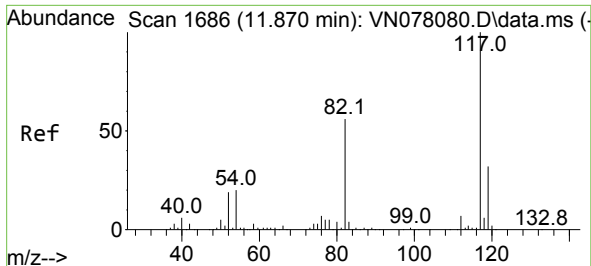
Tgt Ion: 98 Resp: 946488
Ion Ratio Lower Upper
98 100
100 62.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.757 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

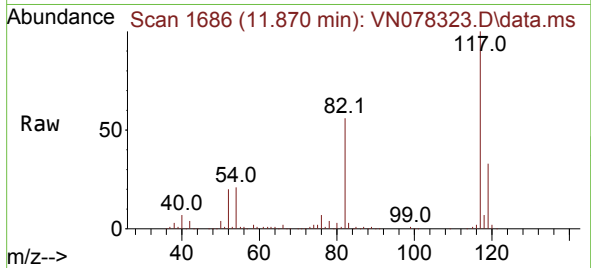
Tgt Ion: 95 Resp: 303184
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 70.3 0.0 135.8



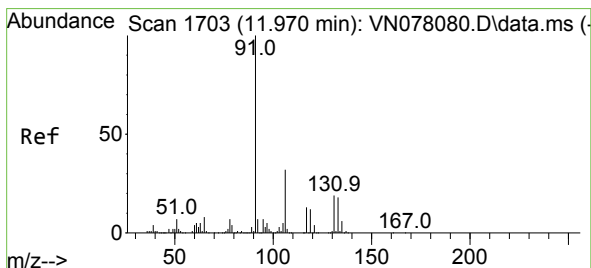
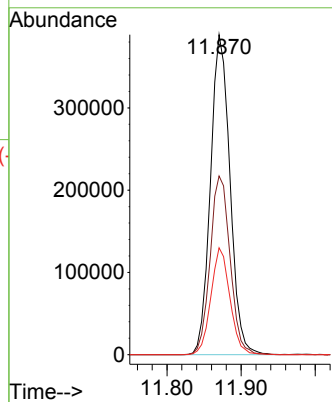
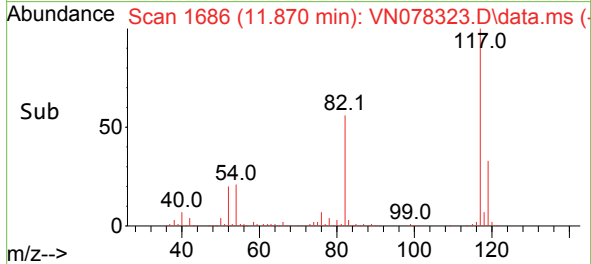


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Instrument :
MSVOA_N
ClientSampleId :

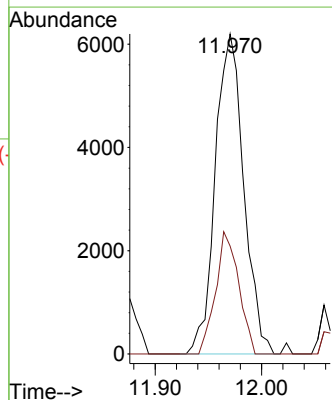
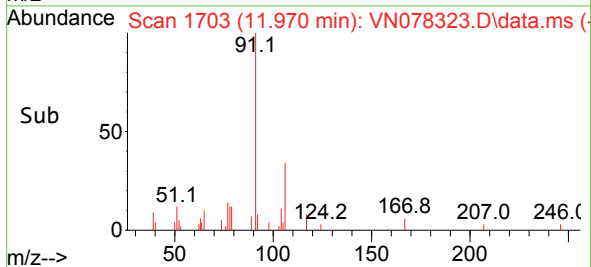
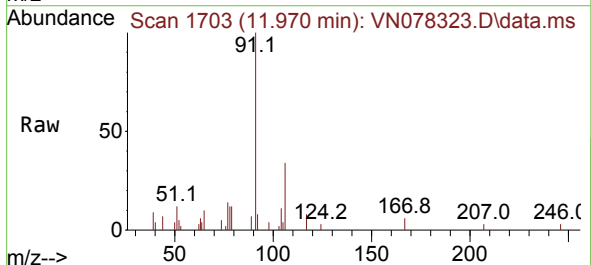


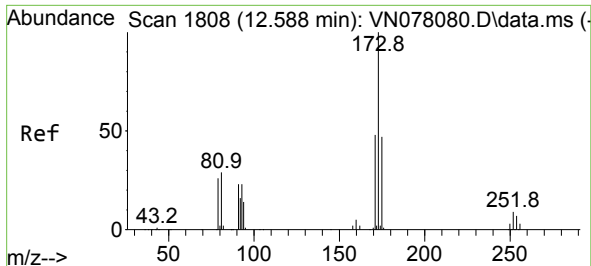
Tgt Ion:117 Resp: 711373
Ion Ratio Lower Upper
117 100
82 55.8 44.0 66.0
119 33.4 25.6 38.4



#67
Ethyl Benzene
Concen: 0.438 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Tgt Ion: 91 Resp: 11506
Ion Ratio Lower Upper
91 100
106 33.7 25.6 38.4

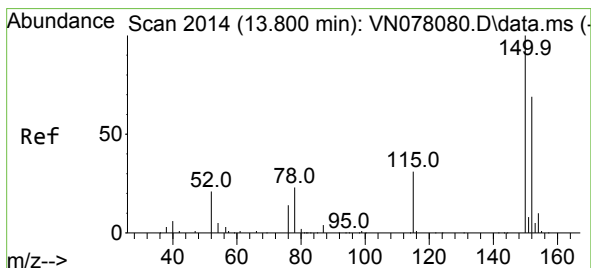
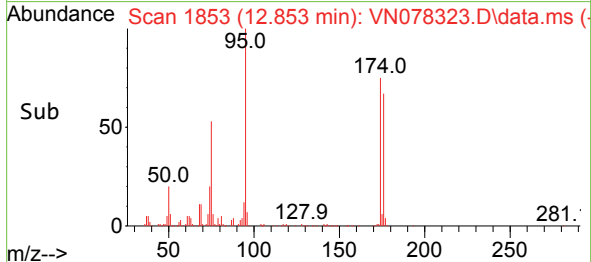
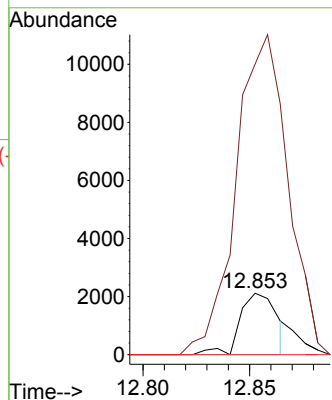
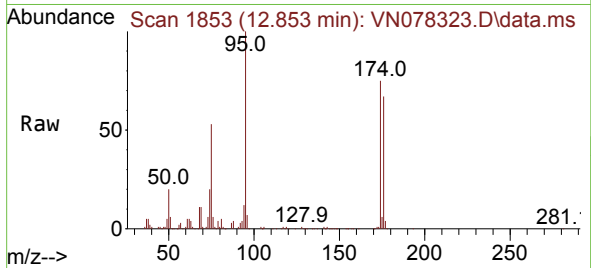




#71
Bromoform
Concen: 0.702 ug/l
RT: 12.853 min Scan# 1808
Delta R.T. 0.265 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

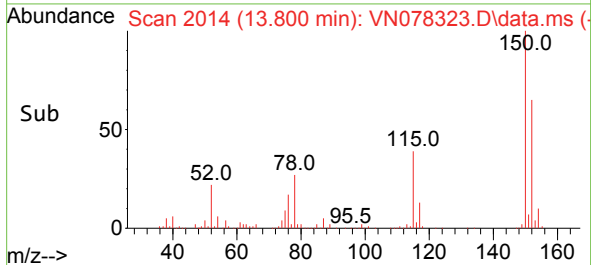
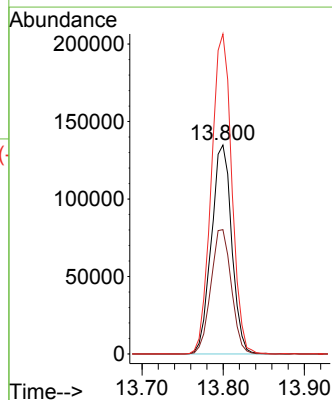
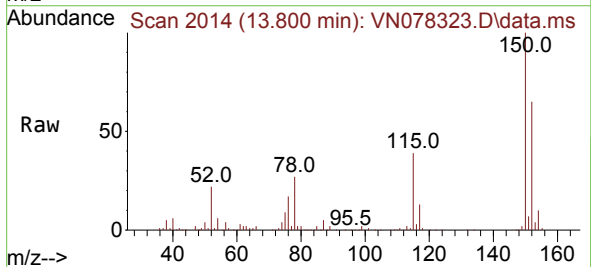
Instrument :
MSVOA_N
ClientSampleId :

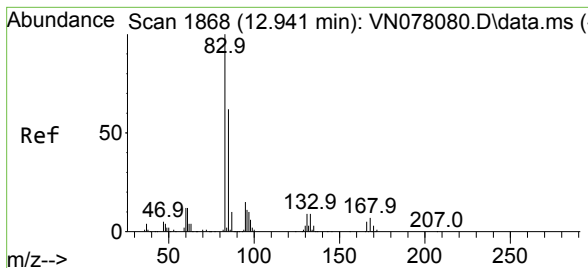
Tgt Ion:173 Resp: 2539
Ion Ratio Lower Upper
173 100
175 628.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078323.D
Acq: 21 Jun 2023 15:34

Tgt Ion:152 Resp: 234742
Ion Ratio Lower Upper
152 100
115 59.8 32.3 96.8
150 153.7 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078323.D

Acq: 21 Jun 2023 15:34

Instrument :

MSVOA_N

ClientSampleId :

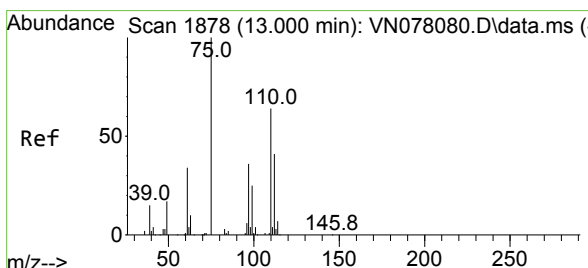
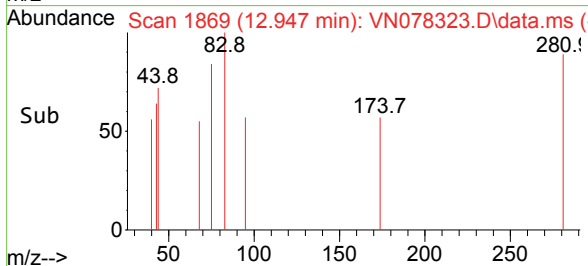
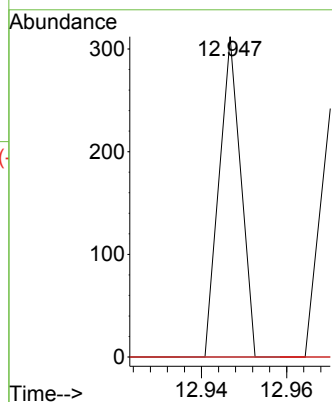
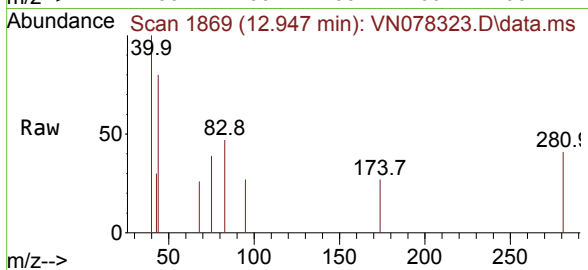
Tgt Ion: 83 Resp: 110

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: 29.262 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078323.D

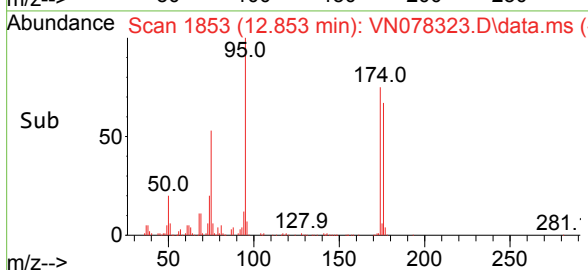
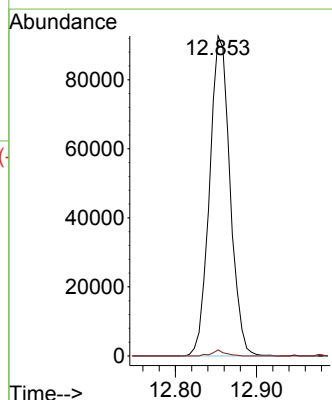
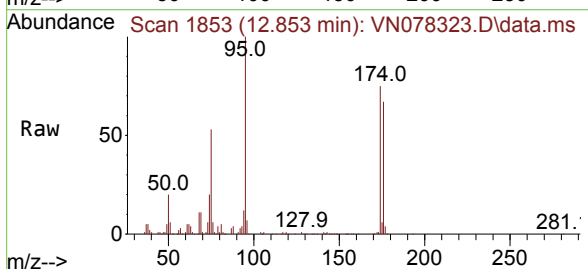
Acq: 21 Jun 2023 15:34

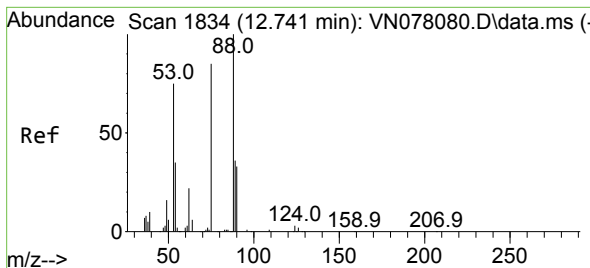
Tgt Ion: 75 Resp: 162384

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#

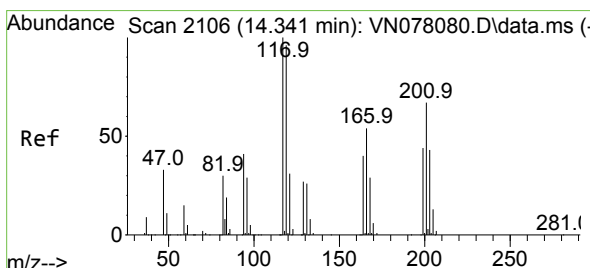
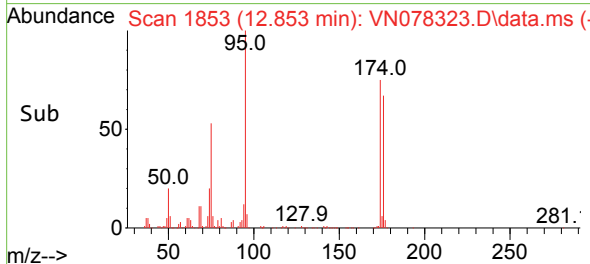
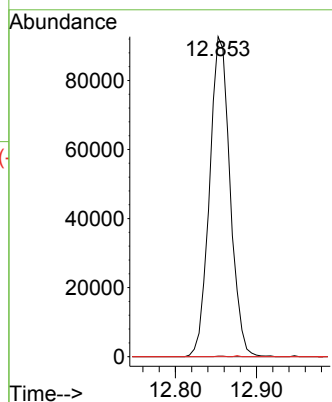
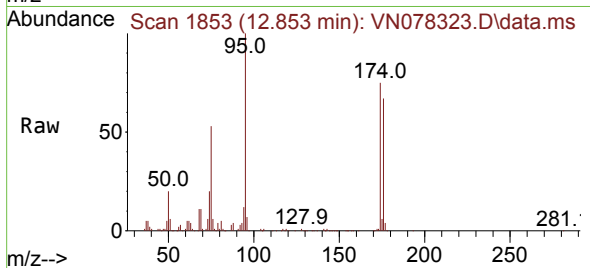




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.901 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078323.D
 Acq: 21 Jun 2023 15:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 162384
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#90
 Hexachloroethane
 Concen: 0.433 ug/l
 RT: 14.452 min Scan# 2125
 Delta R.T. 0.111 min
 Lab File: VN078323.D
 Acq: 21 Jun 2023 15:34

Tgt Ion: 117 Resp: 1276
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#

