

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078241.D
 Acq On : 15 Jun 2023 20:22
 Operator : JC\MD
 Sample : 03231-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 06:12:46 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	8.230	168	417223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	782562	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	698526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	215477	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306297	55.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.120%	
35) Dibromofluoromethane	8.177	113	266390	53.838	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.680%	
50) Toluene-d8	10.576	98	934388	48.984	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.960%	
62) 4-Bromofluorobenzene	12.853	95	280990	47.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.760%	

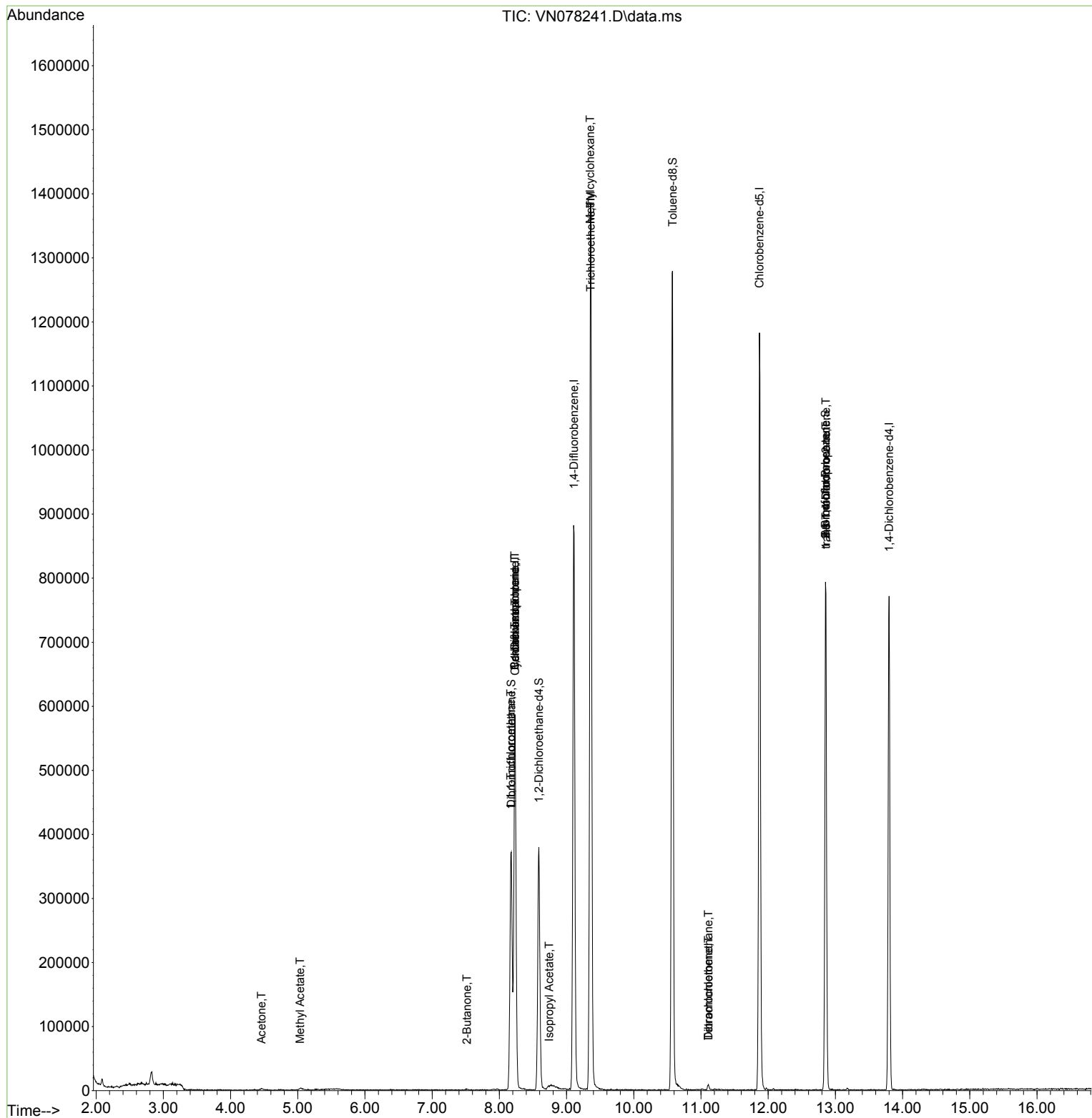
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	1134	Below Cal	93	
16) Acetone	4.459	43	3871	2.418 ug/l #	83	
18) Methyl Acetate	5.036	43	6421	0.871 ug/l #	81	
25) 2-Butanone	7.518	43	2091	0.849 ug/l	93	
31) Cyclohexane	8.235	56	10365	1.453 ug/l #	11	
32) 1,1,1-Trichloroethane	8.171	97	2717	0.333 ug/l #	48	
36) 1,1-Dichloropropene	8.230	75	36364	5.124 ug/l #	49	
38) Carbon Tetrachloride	8.230	117	45318	6.047 ug/l #	16	
39) Methylcyclohexane	9.353	83	6846	0.931 ug/l #	1	
43) Isopropyl Acetate	8.741	43	4775	0.450 ug/l #	49	
44) Trichloroethene	9.359	130	498117	89.018 ug/l	98	
60) Dibromochloromethane	11.112	129	1792	0.324 ug/l #	11	
64) Tetrachloroethene	11.112	164	1721	0.369 ug/l #	78	
71) Bromoform	12.853	173	1822	0.513 ug/l #	1	
75) 1,1,2,2-Tetrachloroethane	12.859	83	364	Below Cal	# 1	
76) 1,2,3-Trichloropropane	12.859	75	152763	29.989 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.859	75	152763	92.136 ug/l #	15	

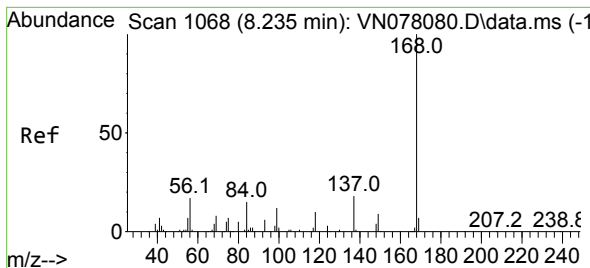
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 07 05:05:00 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

Instrument :

MSVOA_N

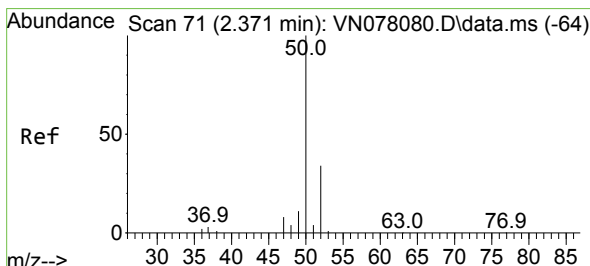
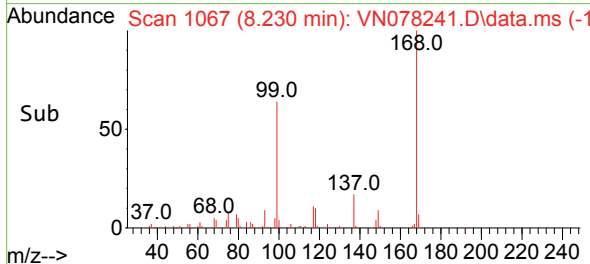
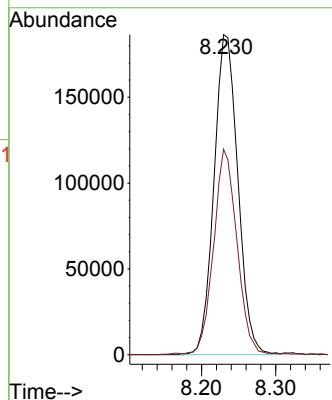
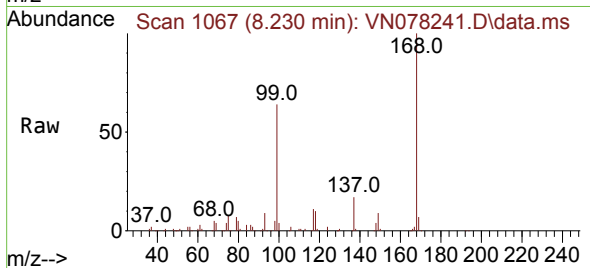
ClientSampleId :

Tgt Ion:168 Resp: 417223

Ion Ratio Lower Upper

168 100

99 64.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078241.D

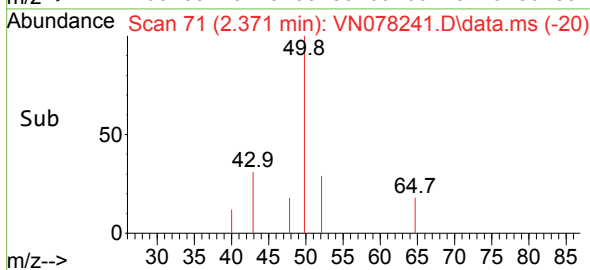
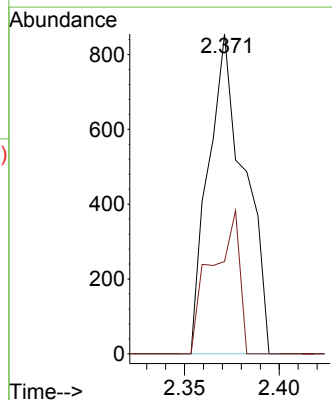
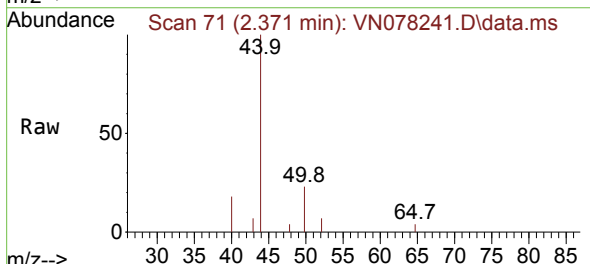
Acq: 15 Jun 2023 20:22

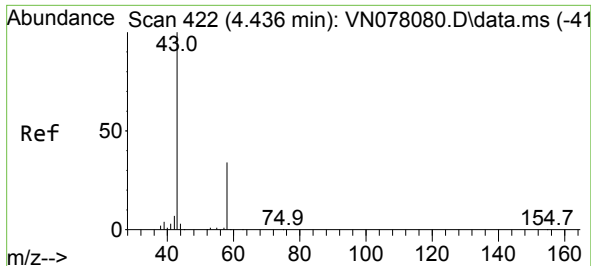
Tgt Ion: 50 Resp: 1134

Ion Ratio Lower Upper

50 100

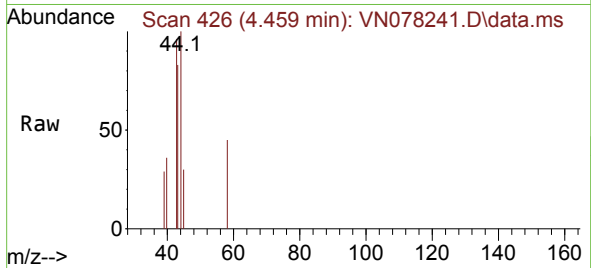
52 28.9 26.5 39.7



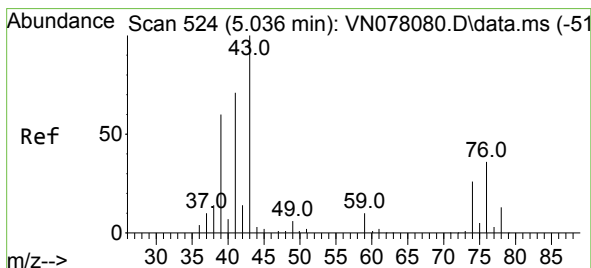
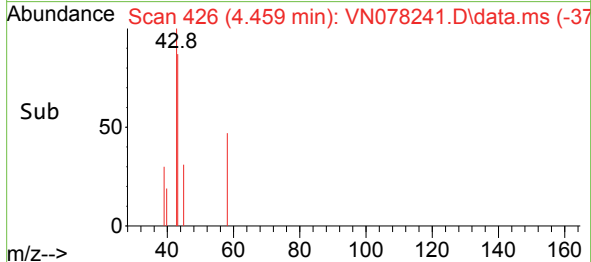
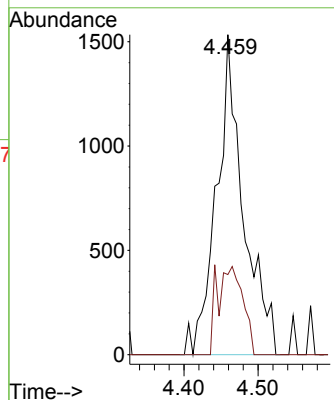


#16
Acetone
Concen: 2.418 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Instrument :
MSVOA_N
ClientSampleId :

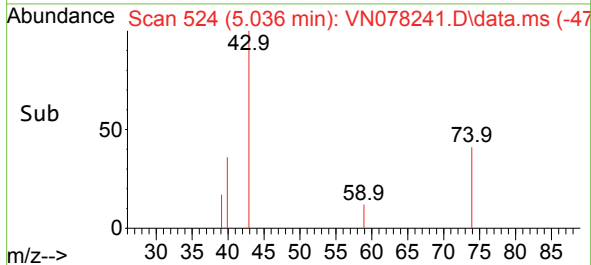
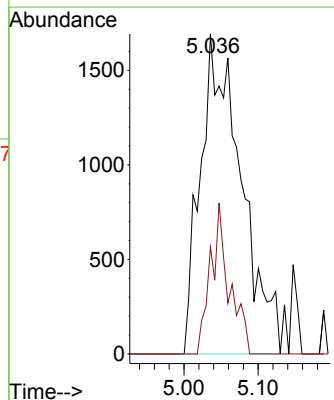
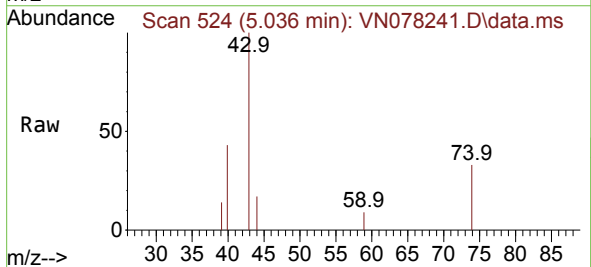


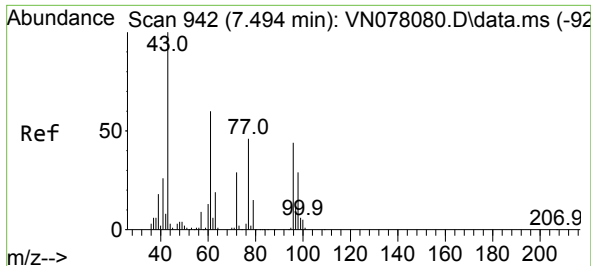
Tgt Ion: 43 Resp: 3871
Ion Ratio Lower Upper
43 100
58 25.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.871 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Tgt Ion: 43 Resp: 6421
Ion Ratio Lower Upper
43 100
74 21.9 26.2 39.4#

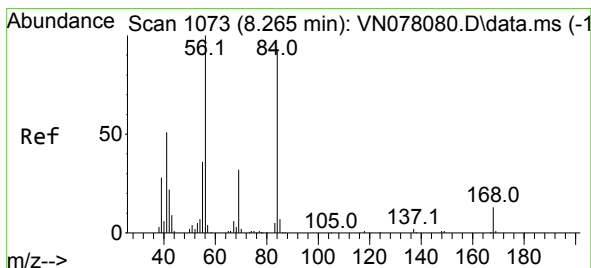
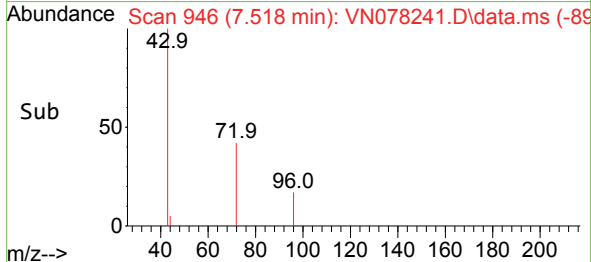
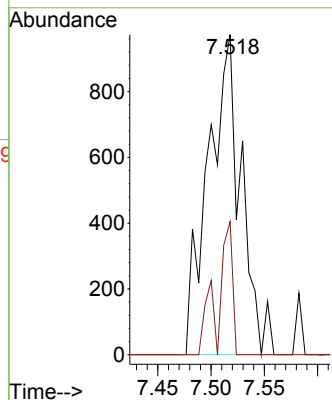
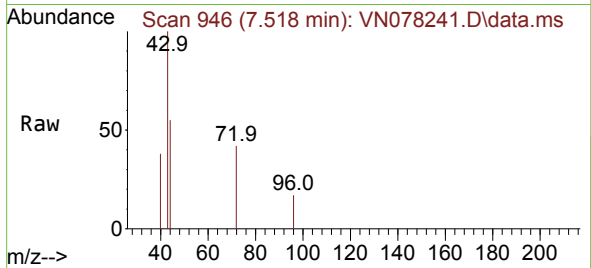




#25
2-Butanone
Concen: 0.849 ug/l
RT: 7.518 min Scan# 942
Delta R.T. 0.024 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

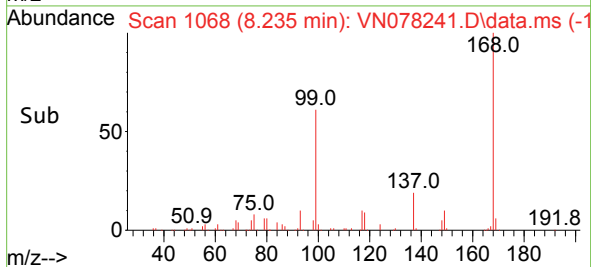
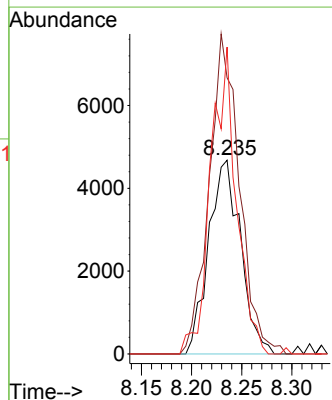
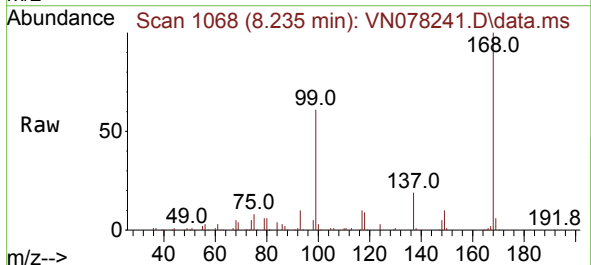
Instrument :
MSVOA_N
ClientSampleId :

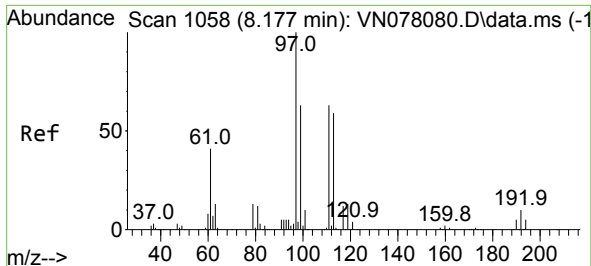
Tgt Ion: 43 Resp: 2091
Ion Ratio Lower Upper
43 100
72 41.6 30.2 45.2



#31
Cyclohexane
Concen: 1.453 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Tgt Ion: 56 Resp: 10365
Ion Ratio Lower Upper
56 100
69 142.5 26.8 40.2#
84 158.4 81.8 122.6#

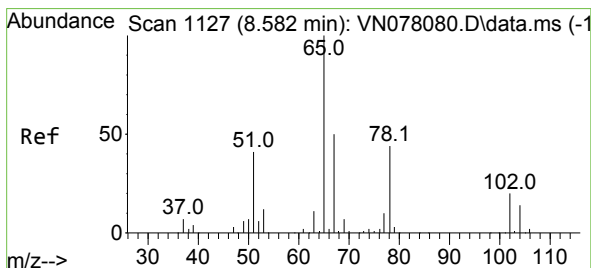
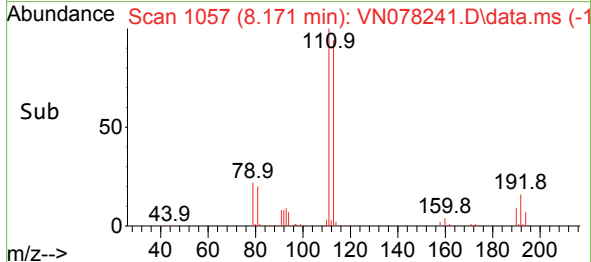
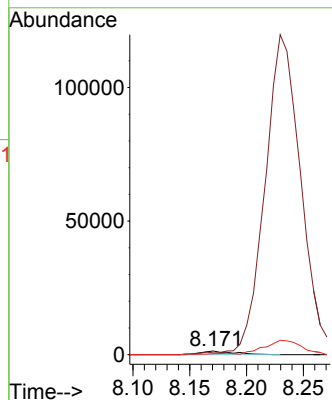
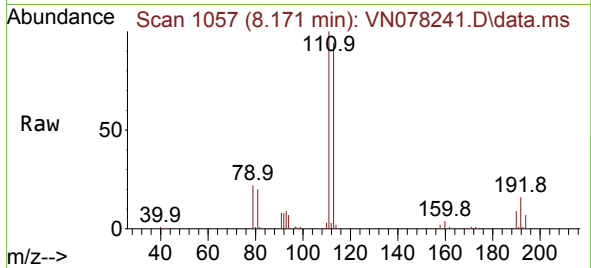




#32
1,1,1-Trichloroethane
Concen: 0.333 ug/l
RT: 8.171 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

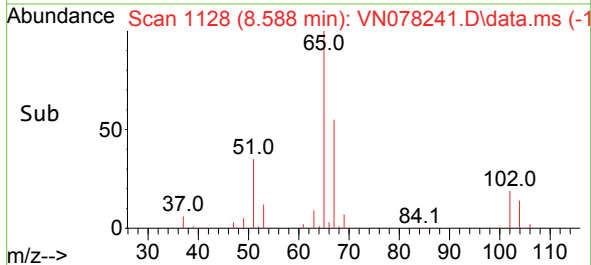
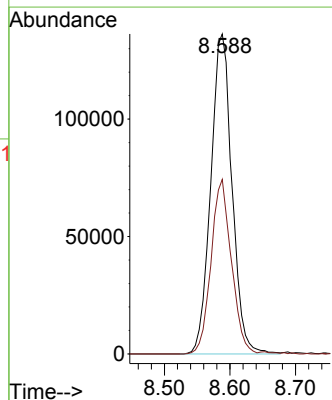
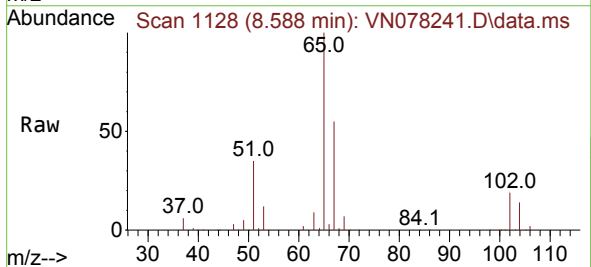
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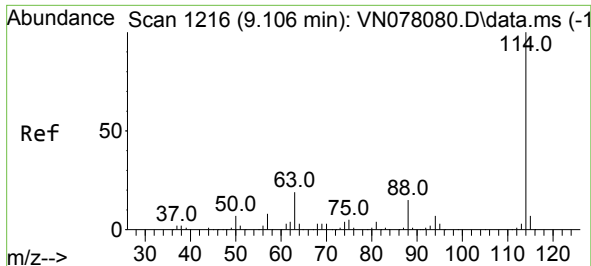
Tgt Ion: 97 Resp: 2717
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 36.4 34.7 52.1



#33
1,2-Dichloroethane-d4
Concen: 55.061 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Tgt Ion: 65 Resp: 306297
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

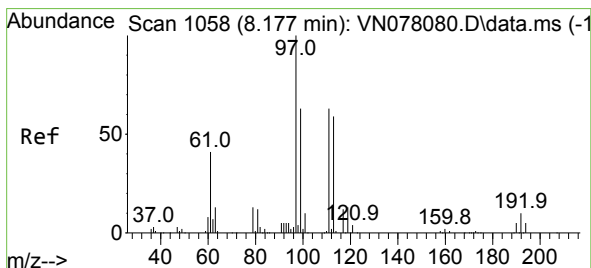
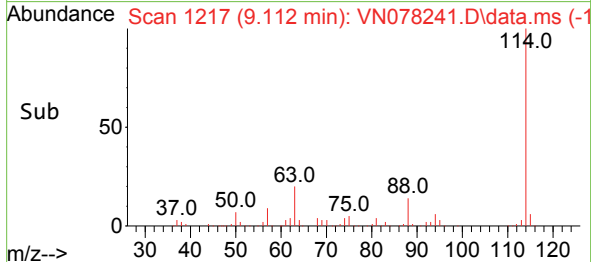
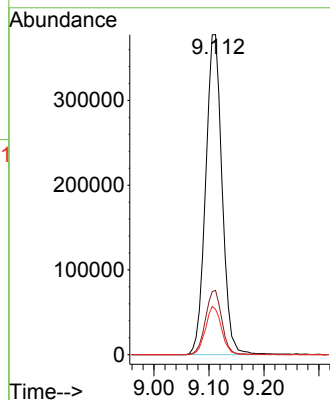
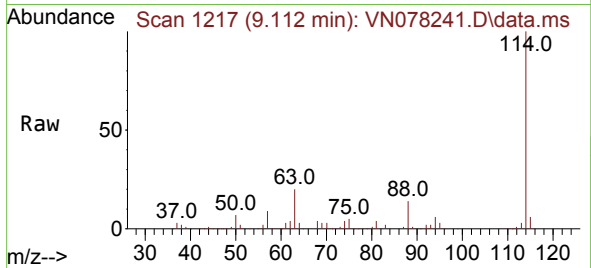




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

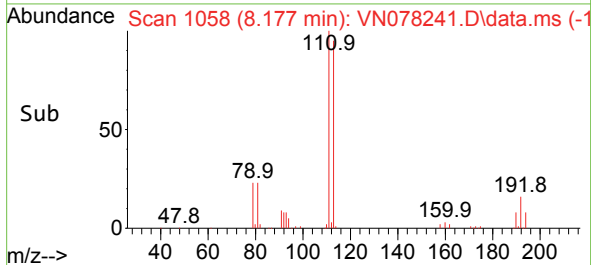
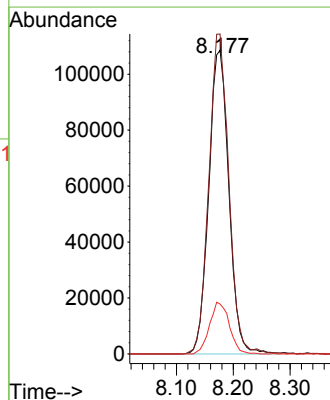
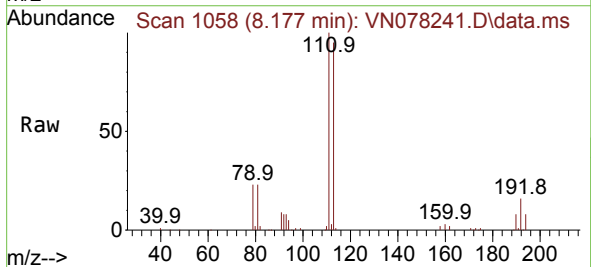
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MSVOA_N
ClientSampleId :

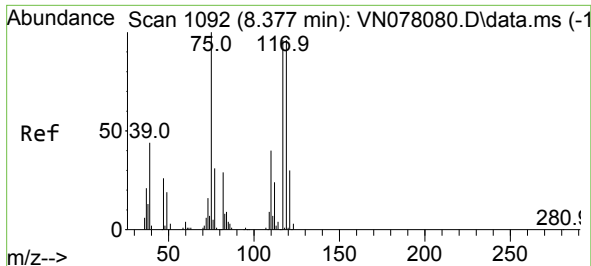
Tgt Ion:114 Resp: 782562
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.4
88 14.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.838 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Tgt Ion:113 Resp: 266390
Ion Ratio Lower Upper
113 100
111 104.8 82.6 123.8
192 16.8 12.7 19.1

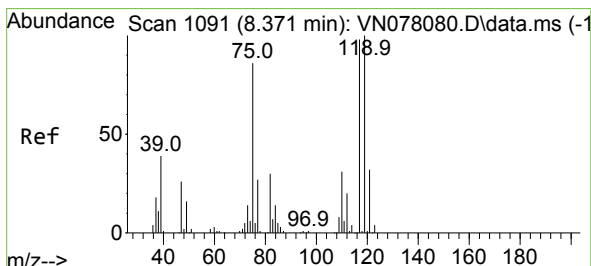
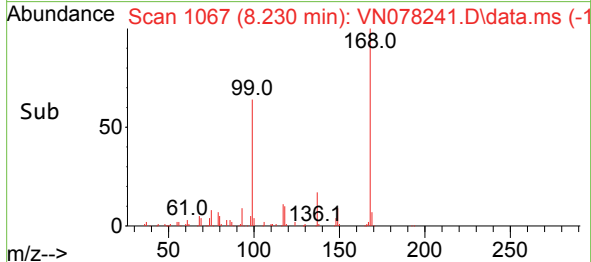
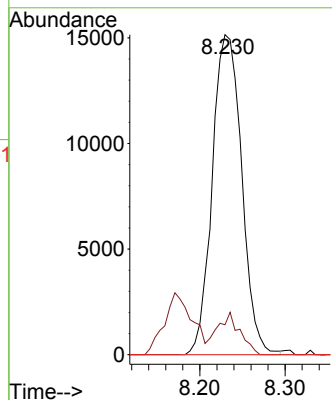
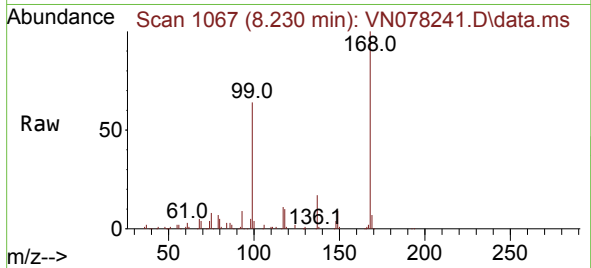




#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

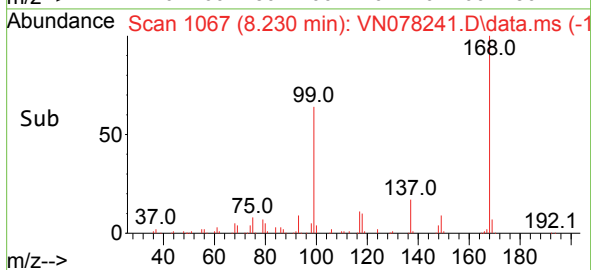
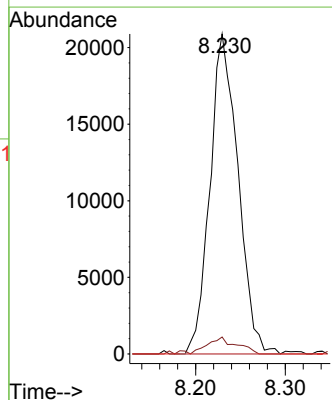
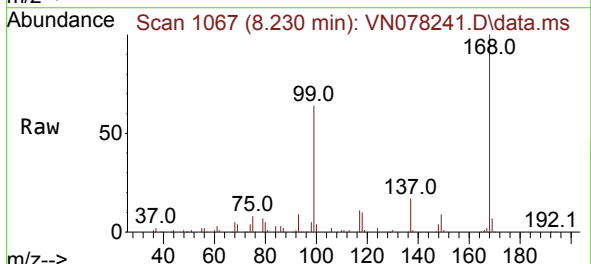
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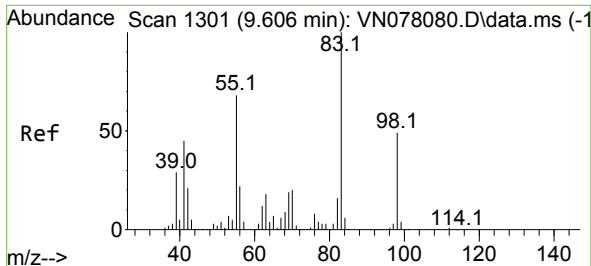
Tgt Ion: 75 Resp: 36364
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

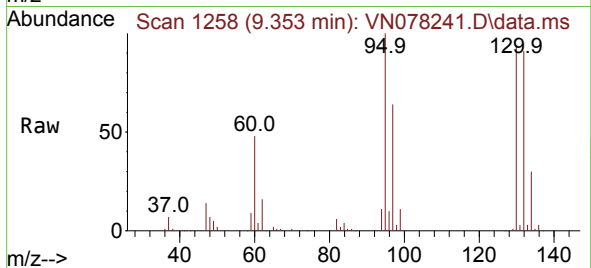
Tgt Ion: 117 Resp: 45318
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 23.3 34.9#



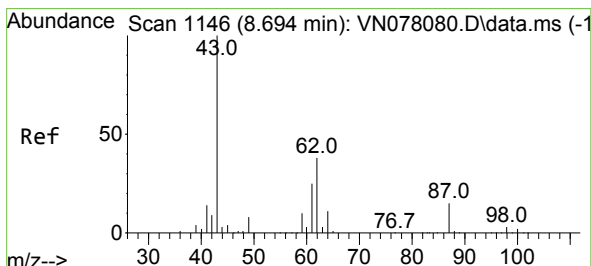
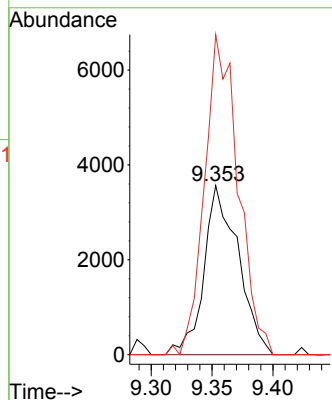
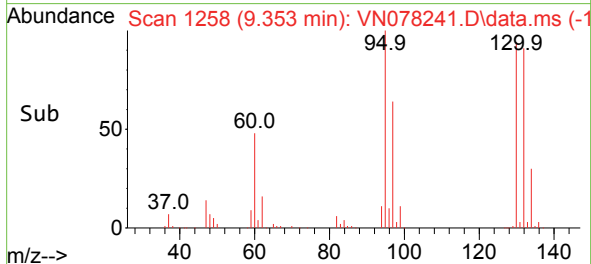


#39
Methylcyclohexane
Concen: 0.931 ug/l
RT: 9.353 min Scan# 1125
Delta R.T. -0.253 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Instrument :
MSVOA_N
ClientSampleId :

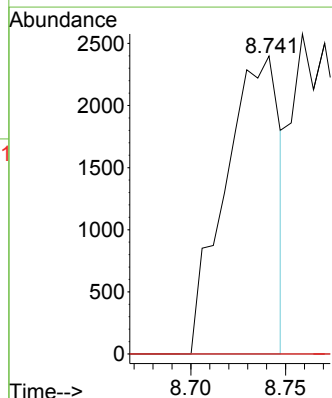
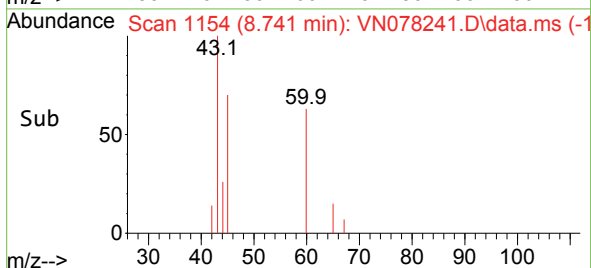
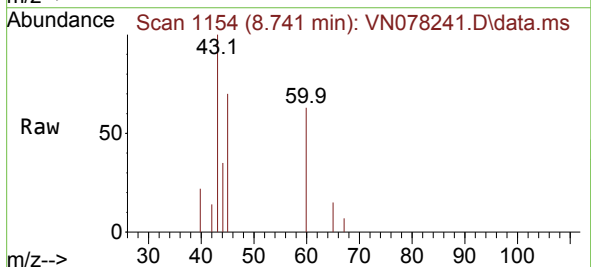


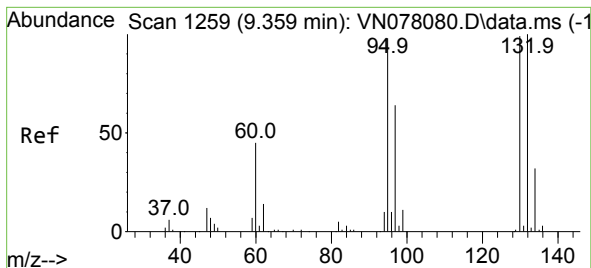
Tgt Ion: 83 Resp: 6846
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 189.1 40.6 61.0#



#43
Isopropyl Acetate
Concen: 0.450 ug/l
RT: 8.741 min Scan# 1154
Delta R.T. 0.047 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

Tgt Ion: 43 Resp: 4775
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#44

Trichloroethene

Concen: 89.018 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

Instrument :

MSVOA_N

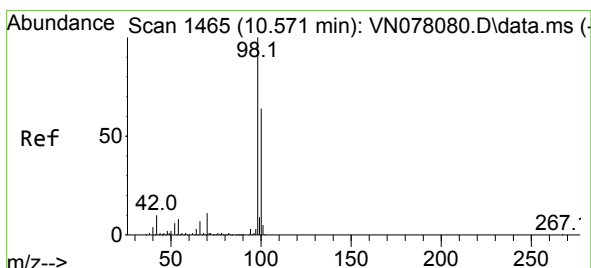
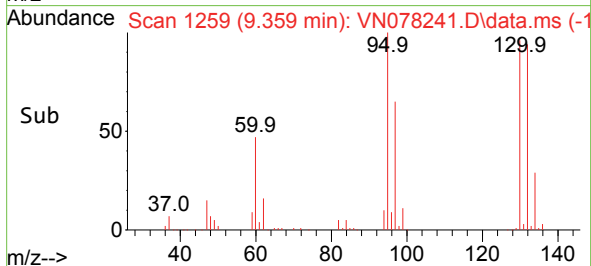
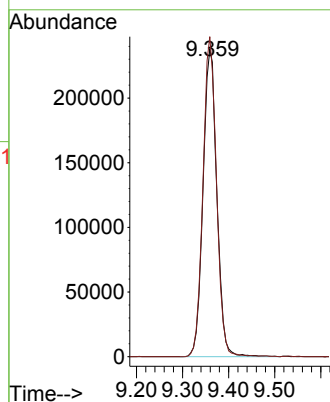
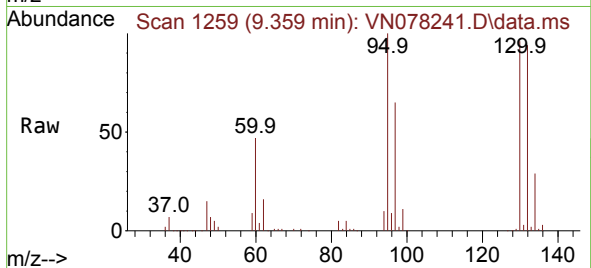
ClientSampleId :

Tgt Ion:130 Resp: 498117

Ion Ratio Lower Upper

130 100

95 104.1 0.0 204.6



#50

Toluene-d8

Concen: 48.984 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078241.D

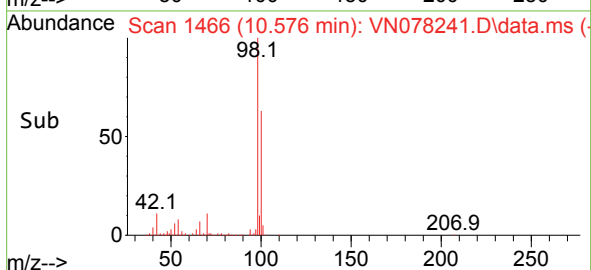
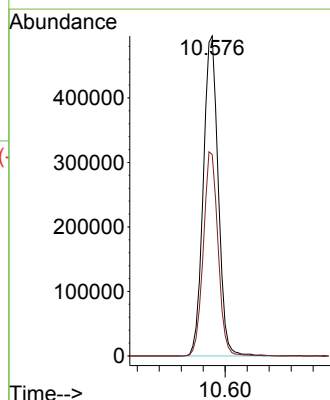
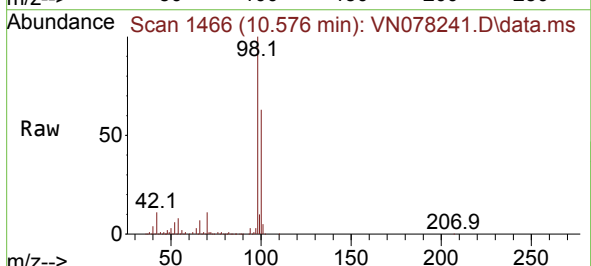
Acq: 15 Jun 2023 20:22

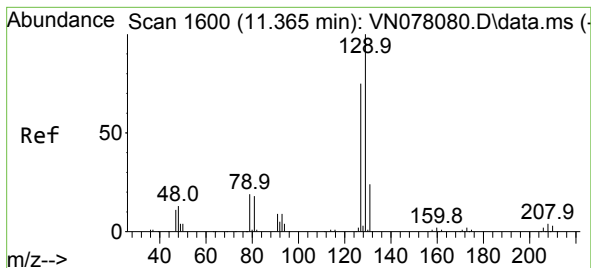
Tgt Ion: 98 Resp: 934388

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0





#60

Dibromochloromethane

Concen: 0.324 ug/l

RT: 11.112 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

Instrument :

MSVOA_N

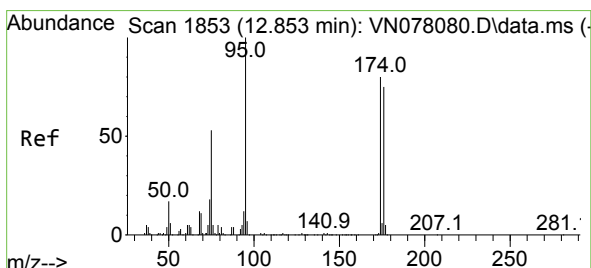
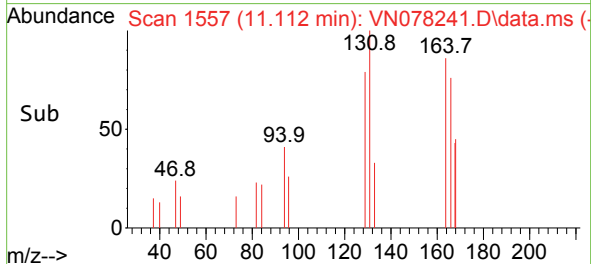
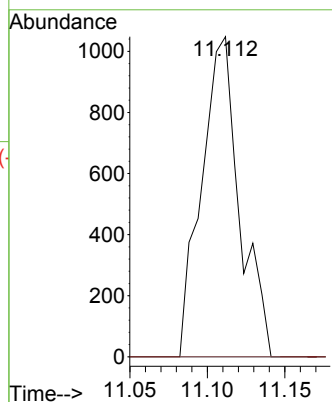
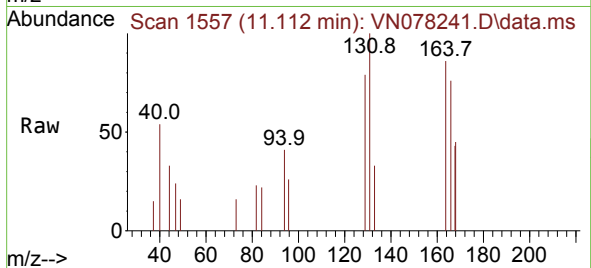
ClientSampleId :

Tgt Ion:129 Resp: 1792

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 47.384 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

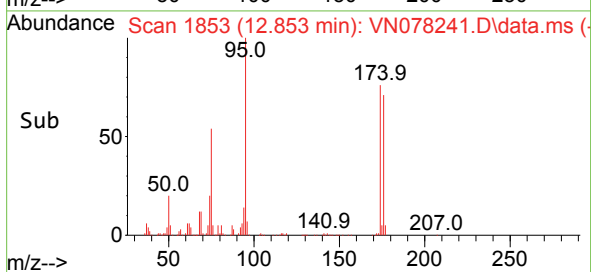
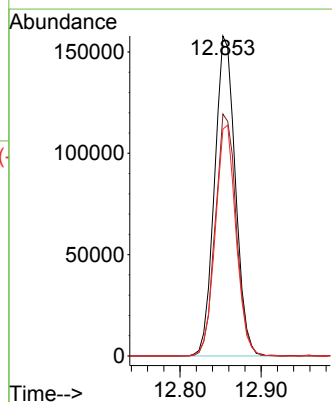
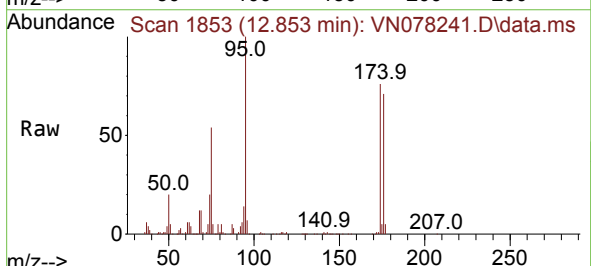
Tgt Ion: 95 Resp: 280990

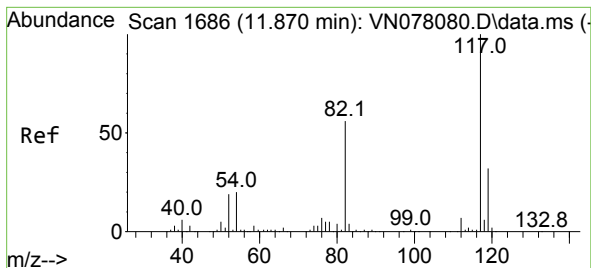
Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.8

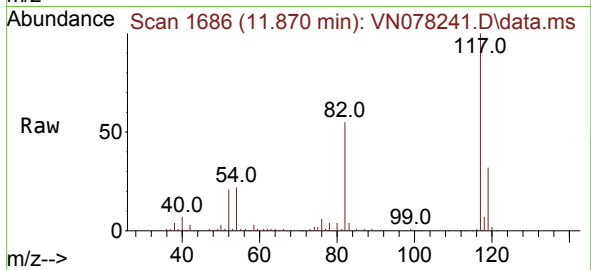
176 71.8 0.0 135.8



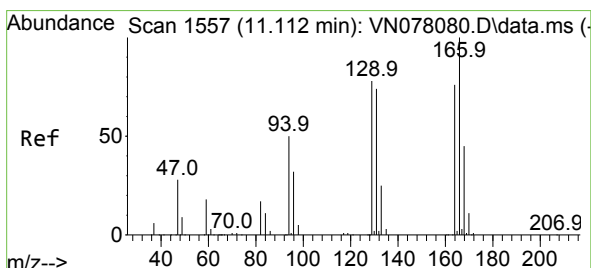
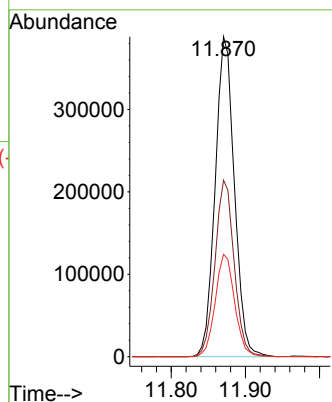
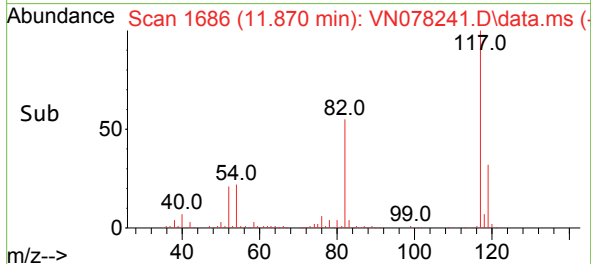


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22

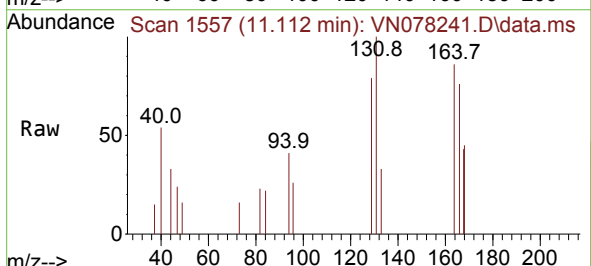
Instrument :
MSVOA_N
ClientSampleId :



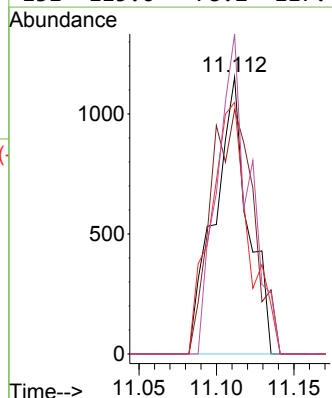
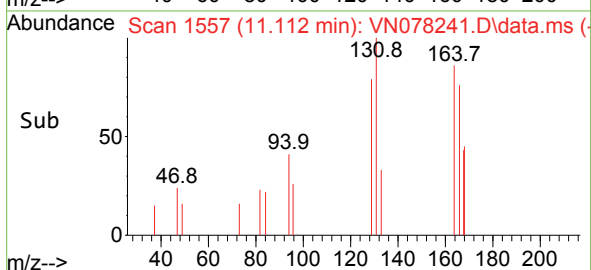
Tgt Ion:117 Resp: 698526
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 32.0 25.6 38.4

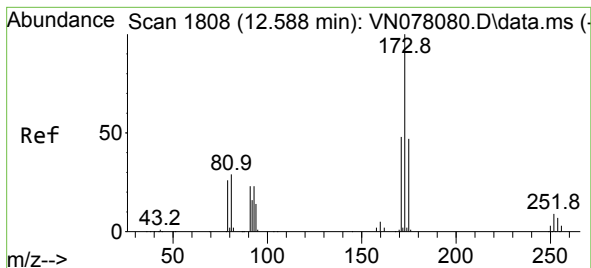


#64
Tetrachloroethene
Concen: 0.369 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN078241.D
Acq: 15 Jun 2023 20:22



Tgt Ion:164 Resp: 1721
Ion Ratio Lower Upper
164 100
166 88.2 101.4 152.0#
129 90.9 82.4 123.6
131 115.6 78.2 117.4





#71

Bromoform

Concen: 0.513 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.265 min

Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

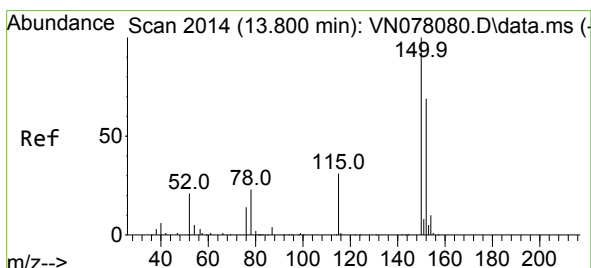
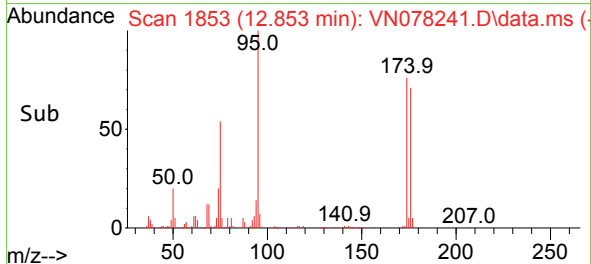
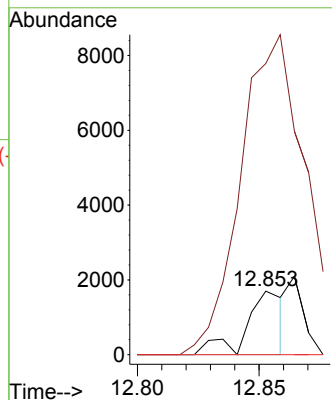
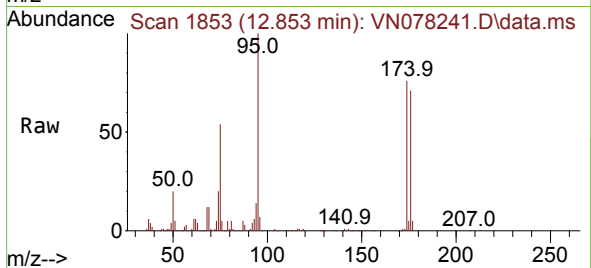
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1822

Ion	Ratio	Lower	Upper
173	100		
175	708.1	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

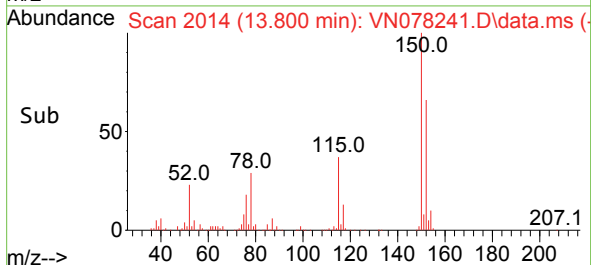
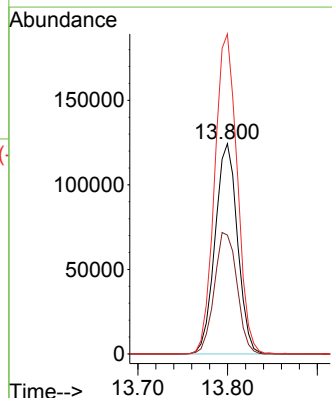
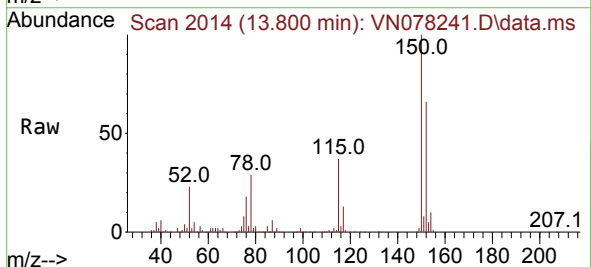
Delta R.T. -0.000 min

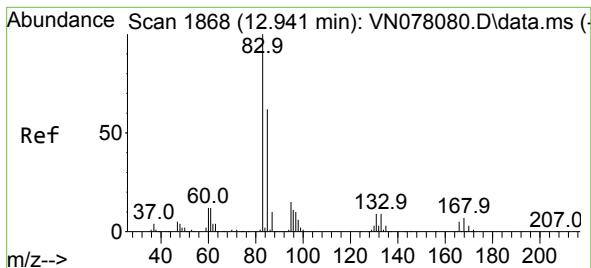
Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

Tgt Ion:152 Resp: 215477

Ion	Ratio	Lower	Upper
152	100		
115	58.6	32.3	96.8
150	153.2	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

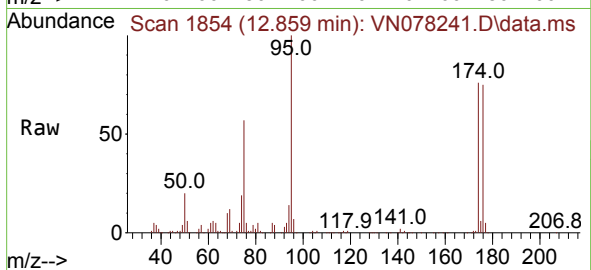
Lab File: VN078241.D

Acq: 15 Jun 2023 20:22

Instrument :

MSVOA_N

ClientSampleId :



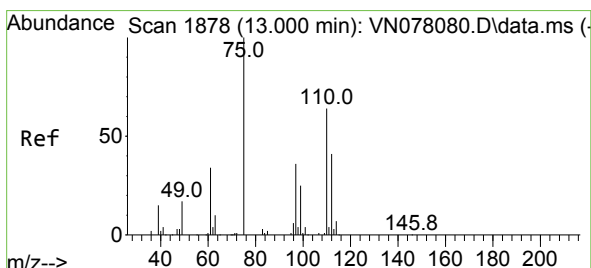
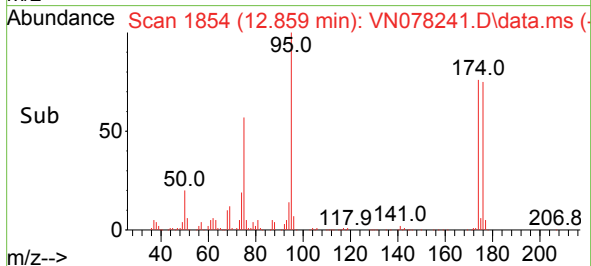
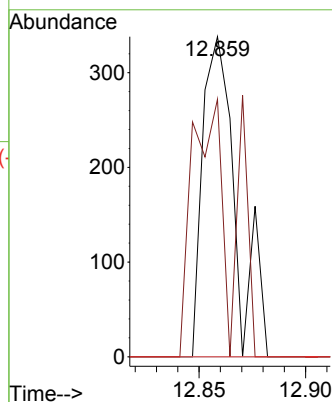
Tgt Ion: 83 Resp: 364

Ion Ratio Lower Upper

83 100

131 97.5 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 29.989 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN078241.D

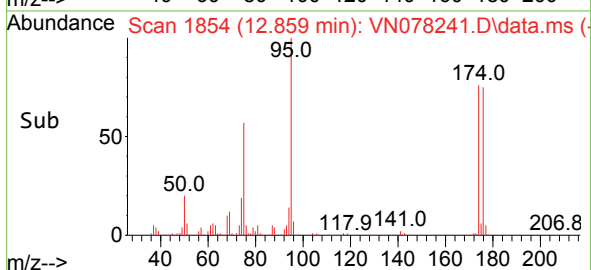
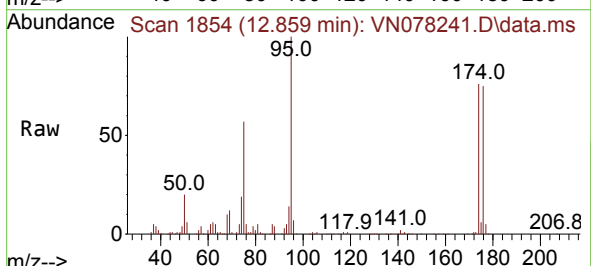
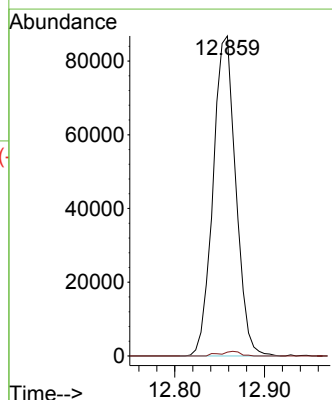
Acq: 15 Jun 2023 20:22

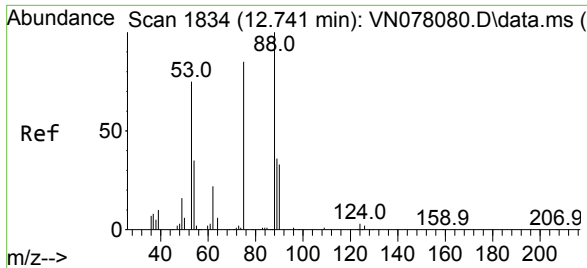
Tgt Ion: 75 Resp: 152763

Ion Ratio Lower Upper

75 100

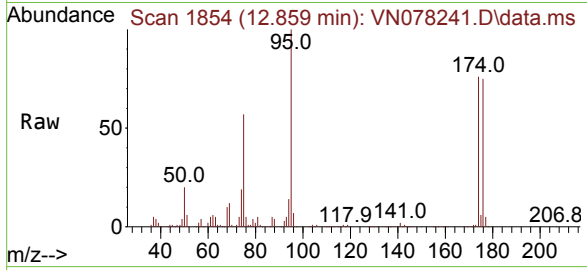
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.136 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN078241.D
 Acq: 15 Jun 2023 20:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 152763
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

