

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080452.D
 Acq On : 13 Dec 2023 10:22
 Operator : JC\MD
 Sample : VN1213WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:02:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

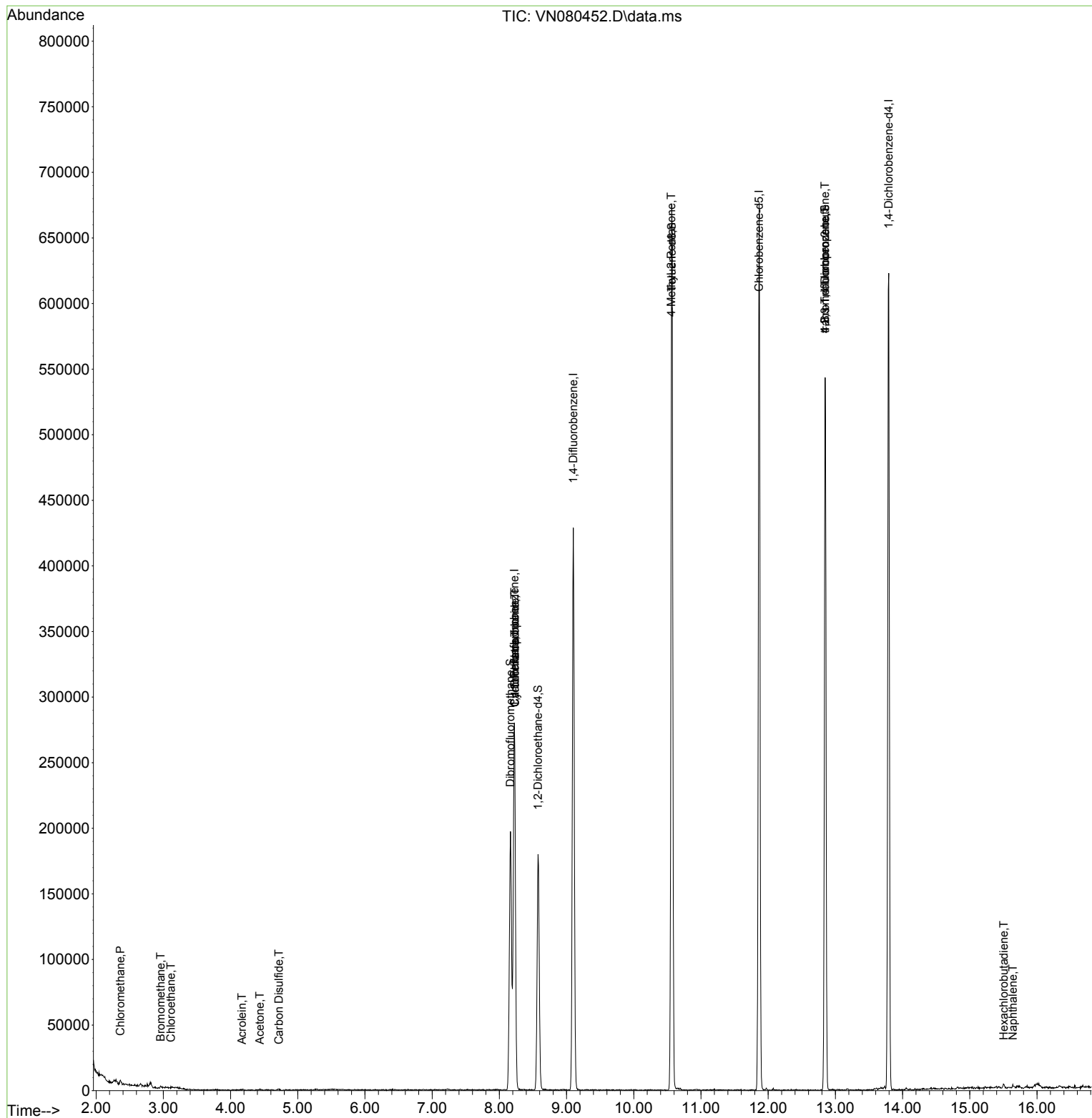
Internal Standards						
1) Pentafluorobenzene	8.224	168	201438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	362050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	378844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159295	61.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.820%	
35) Dibromofluoromethane	8.165	113	135042	58.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.660%	
50) Toluene-d8	10.565	98	482921	56.408	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.820%	
62) 4-Bromofluorobenzene	12.847	95	192230	59.131	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 118.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	4009	1.096	ug/l	96
5) Bromomethane	2.959	94	369	0.372	ug/l	81
6) Chloroethane	3.112	64	910	0.644	ug/l #	43
13) Acrolein	4.171	56	239	0.720	ug/l #	16
16) Acetone	4.436	43	1158	2.538	ug/l #	40
17) Carbon Disulfide	4.718	76	1333	0.217	ug/l #	75
31) Cyclohexane	8.230	56	4130	1.180	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	15925	4.243	ug/l #	48
38) Carbon Tetrachloride	8.230	117	22104	4.929	ug/l #	14
51) 4-Methyl-2-Pentanone	10.559	43	1943	0.835	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	104425	30.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	104425	80.693	ug/l #	15
94) Hexachlorobutadiene	15.506	225	790	0.444	ug/l	84
95) Naphthalene	15.641	128	2160	0.228	ug/l #	83

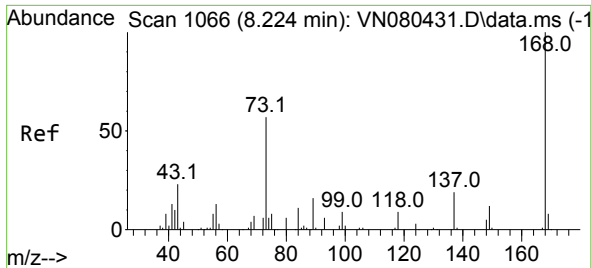
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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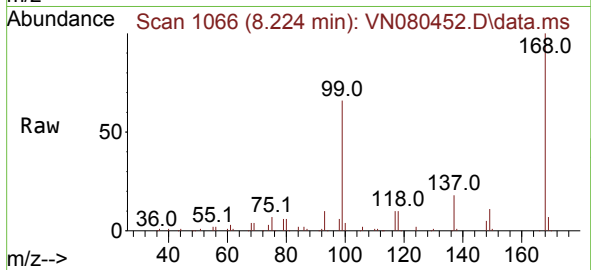
Quant Time: Dec 14 04:02:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



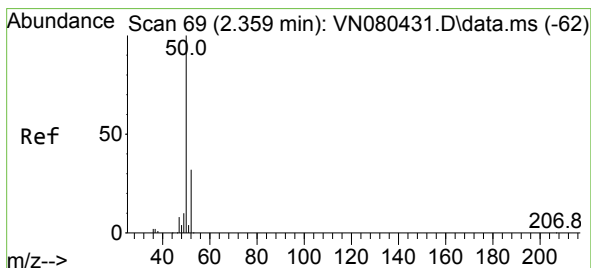
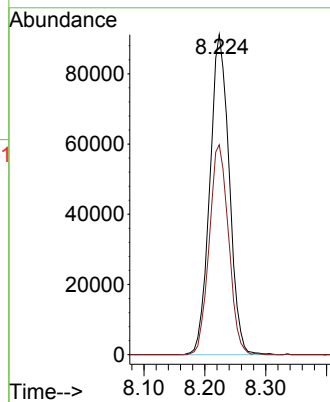
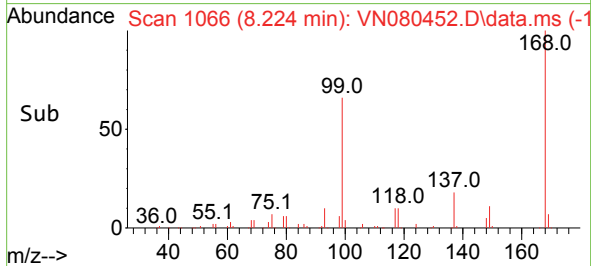


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

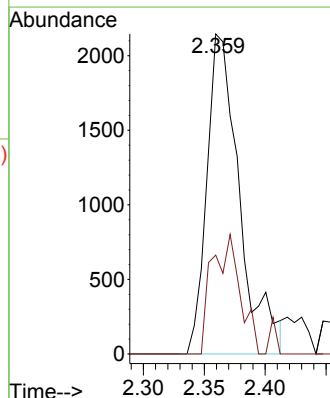
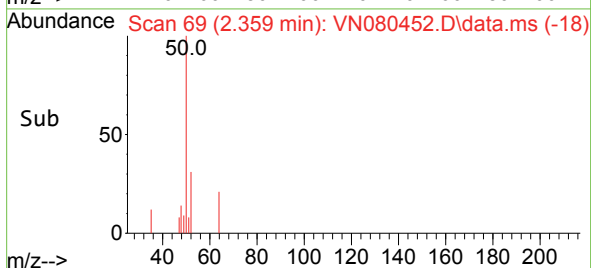
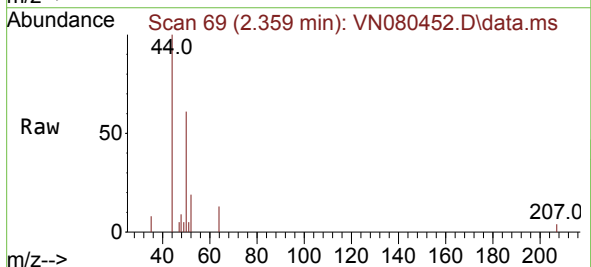


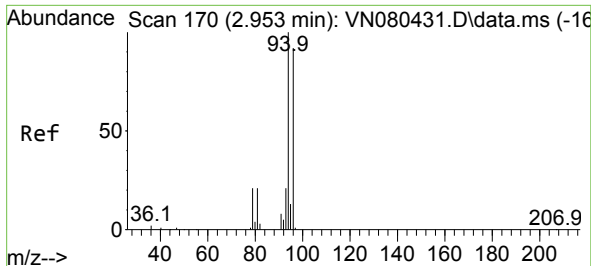
Tgt Ion:168 Resp: 201438
Ion Ratio Lower Upper
168 100
99 65.6 53.0 79.6



#3
Chloromethane
Concen: 1.096 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Tgt Ion: 50 Resp: 4009
Ion Ratio Lower Upper
50 100
52 30.9 26.5 39.7

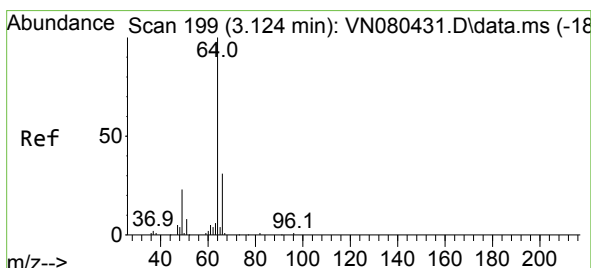
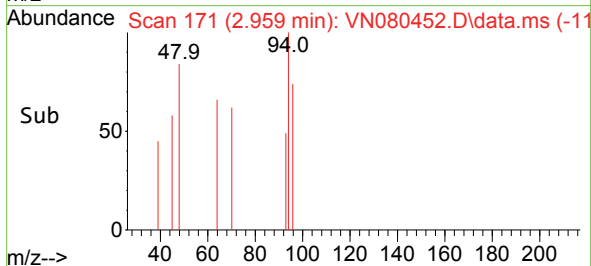
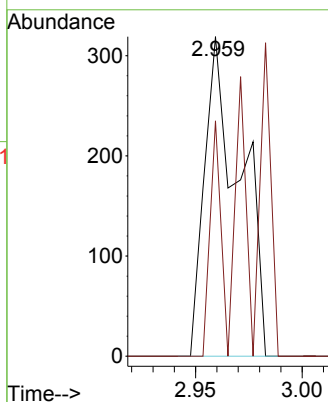
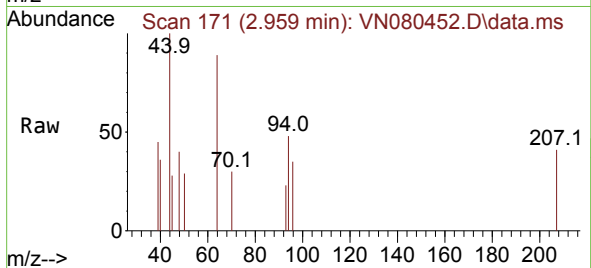




#5
Bromomethane
Concen: 0.372 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

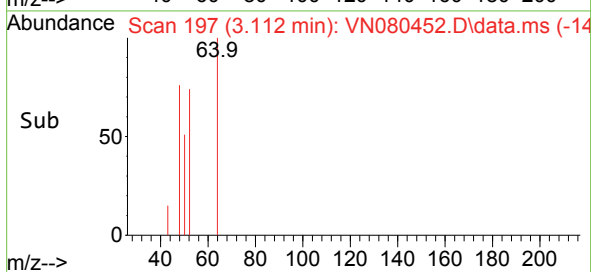
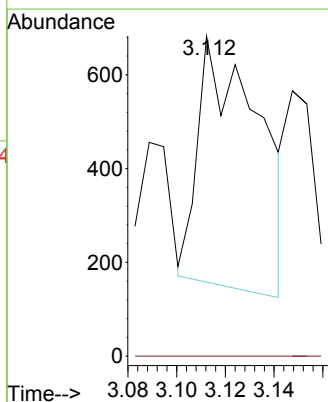
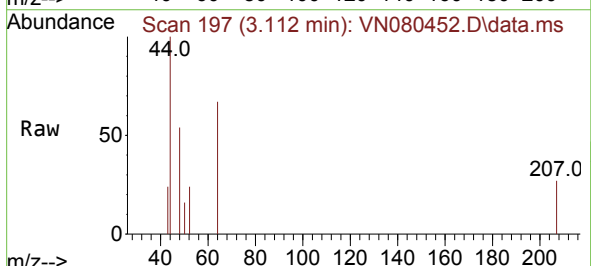
Instrument :
MSVOA_N
ClientSampleId :

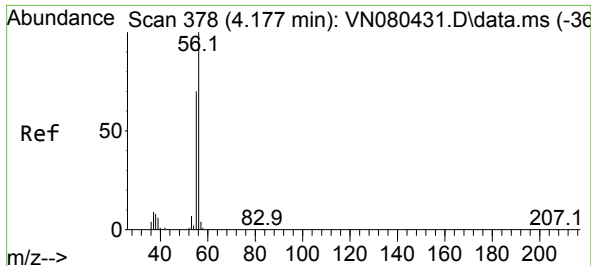
Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 73.7 73.1 109.7



#6
Chloroethane
Concen: 0.644 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

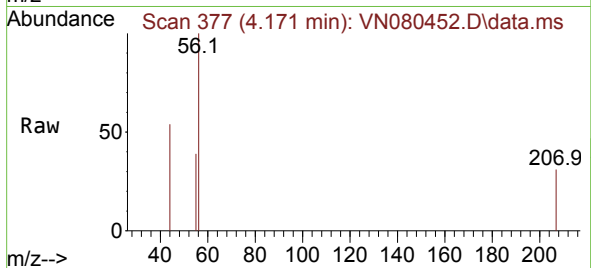
Tgt Ion: 64 Resp: 910
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



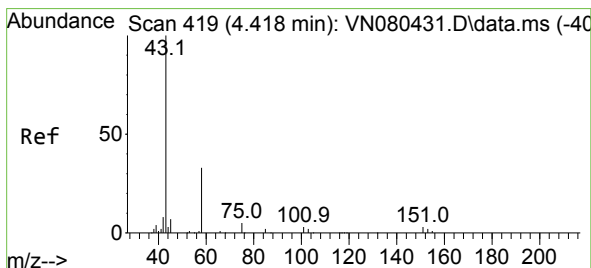
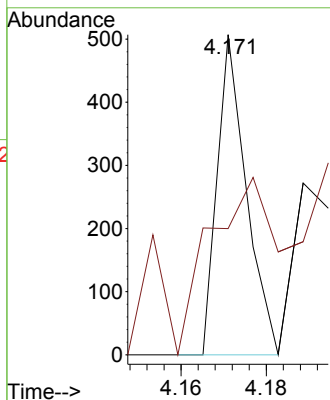
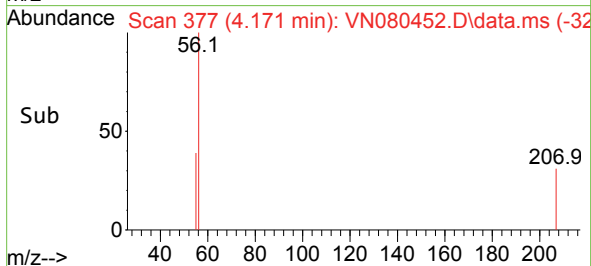


#13
Acrolein
Concen: 0.720 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Instrument :
MSVOA_N
ClientSampleId :

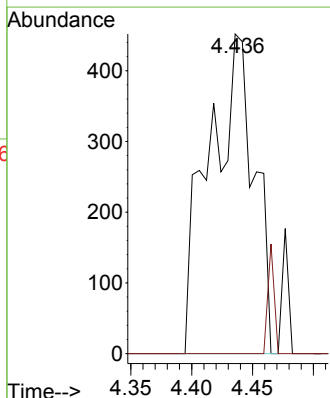
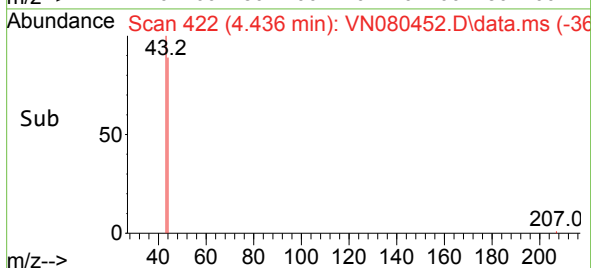
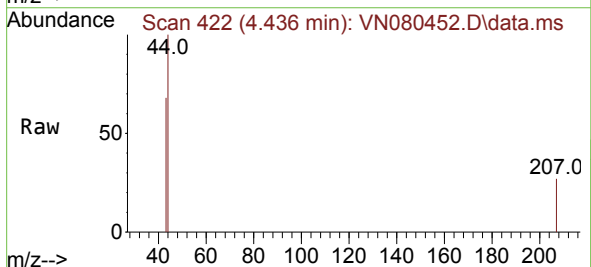


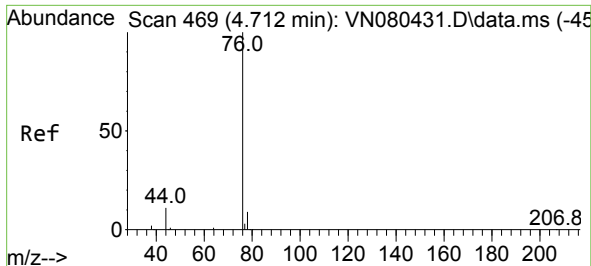
Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#



#16
Acetone
Concen: 2.538 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

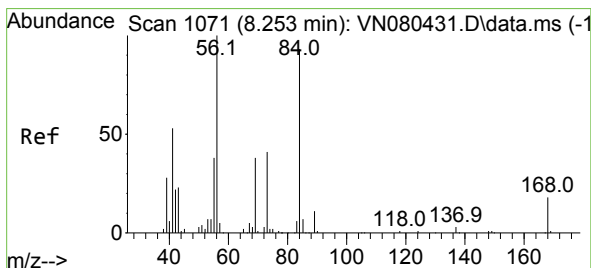
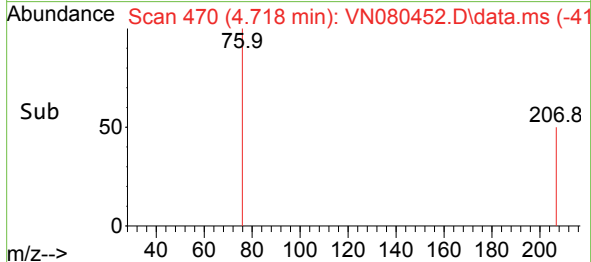
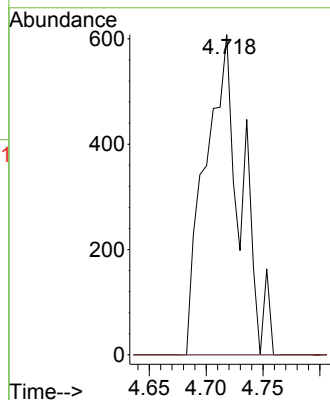
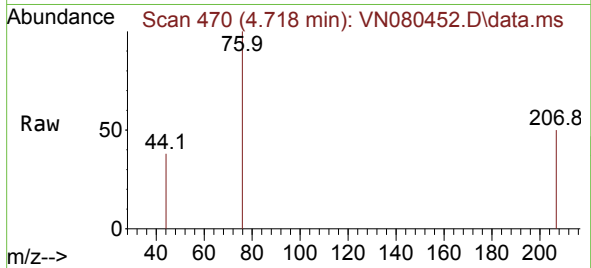




#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

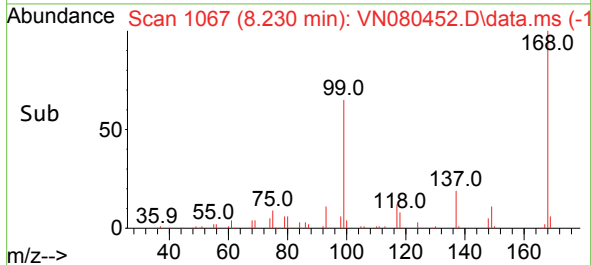
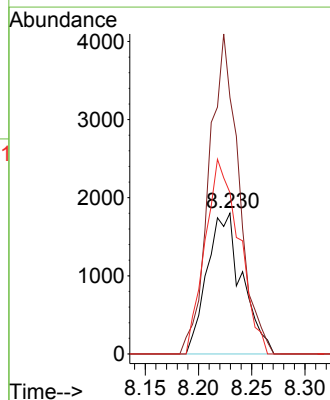
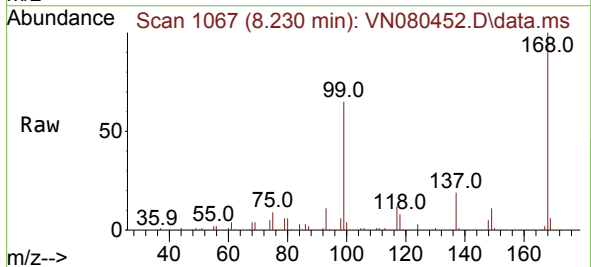
Instrument :
MSVOA_N
ClientSampleId :

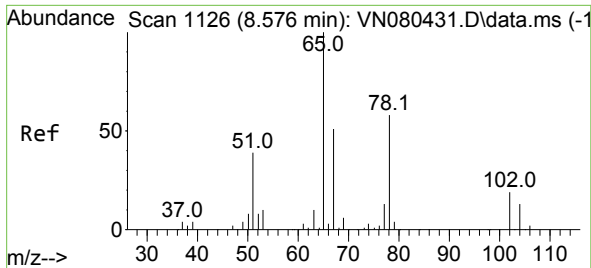
Tgt Ion: 76 Resp: 1333
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Tgt Ion: 56 Resp: 4130
Ion Ratio Lower Upper
56 100
69 182.1 26.8 40.2#
84 114.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 61.914 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

Instrument :

MSVOA_N

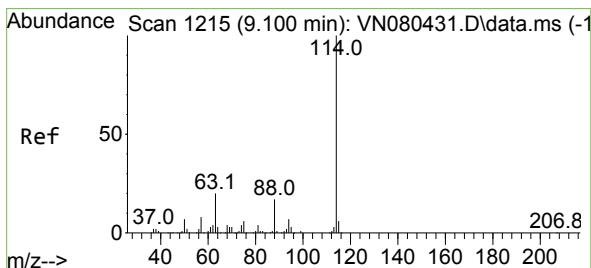
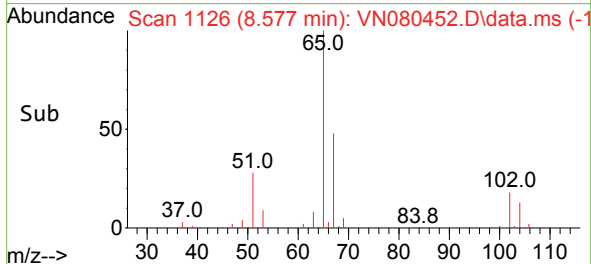
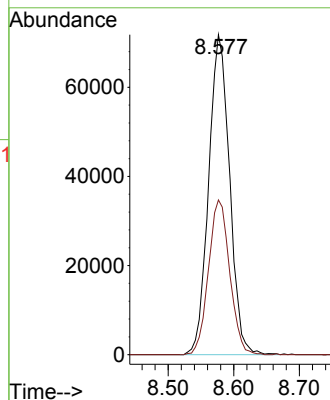
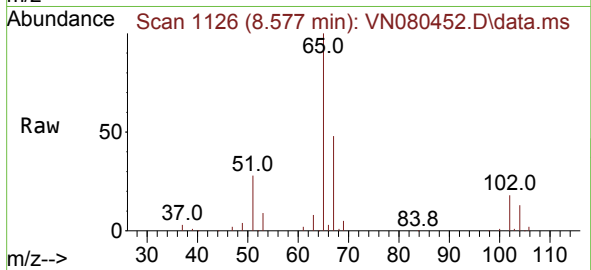
ClientSampleId :

Tgt Ion: 65 Resp: 159295

Ion Ratio Lower Upper

65 100

67 49.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

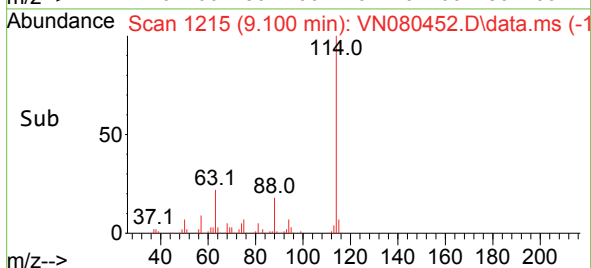
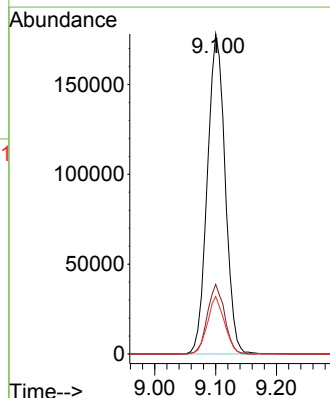
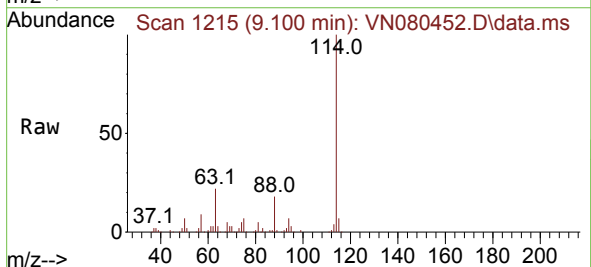
Tgt Ion: 114 Resp: 362050

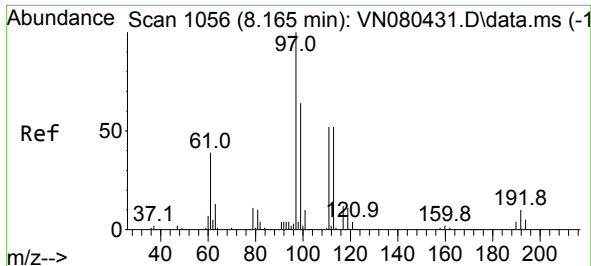
Ion Ratio Lower Upper

114 100

63 21.8 0.0 36.4

88 17.9 0.0 30.6

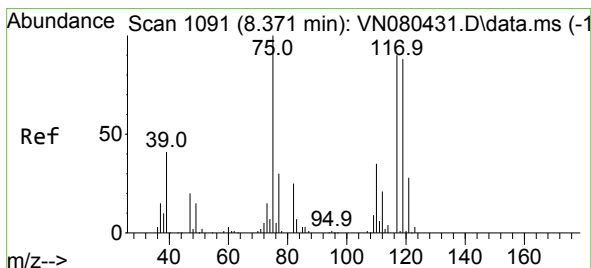
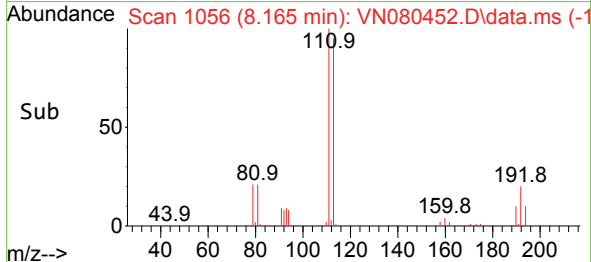
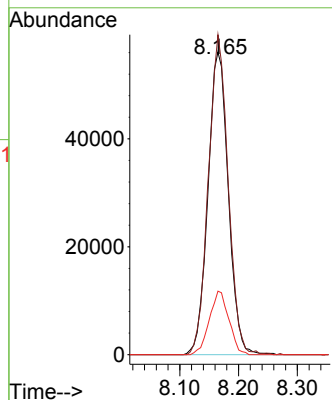
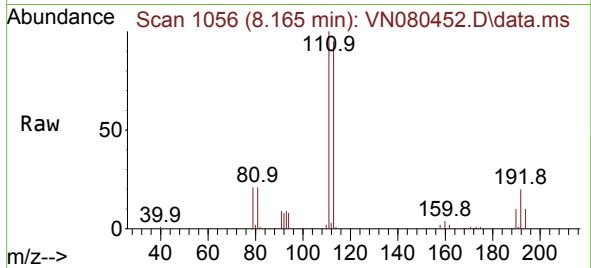




#35
Dibromofluoromethane
Concen: 58.828 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

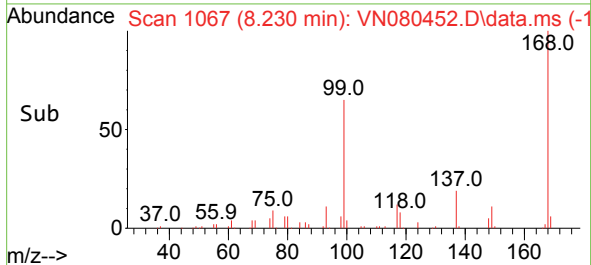
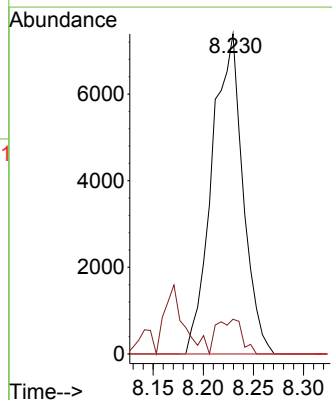
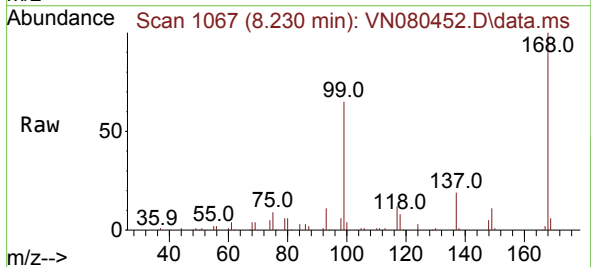
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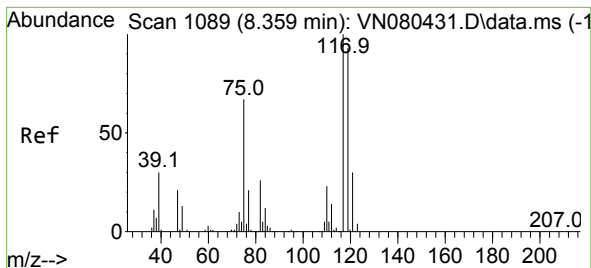
Tgt Ion:113 Resp: 135042
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 20.1 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Tgt Ion: 75 Resp: 15925
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.929 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

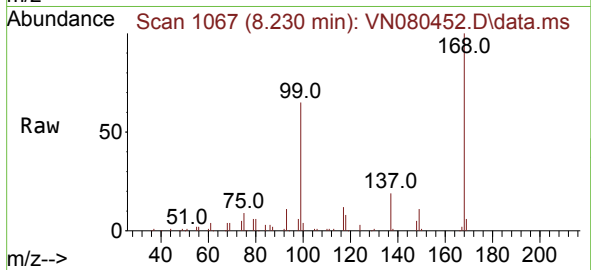
Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

Instrument :

MSVOA_N

ClientSampleId :



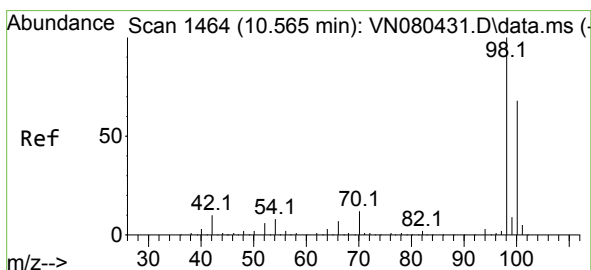
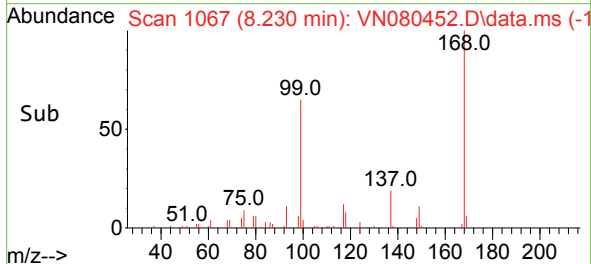
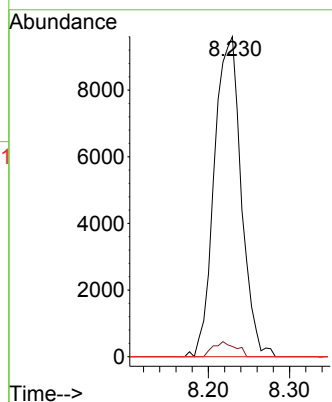
Tgt Ion:117 Resp: 22104

Ion Ratio Lower Upper

117 100

119 3.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 56.408 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080452.D

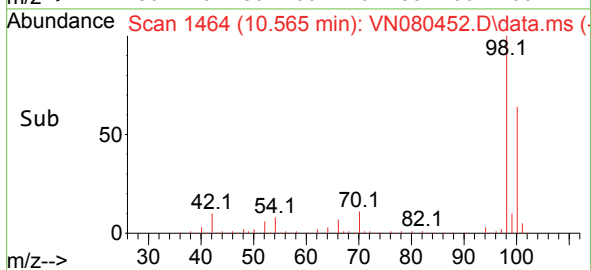
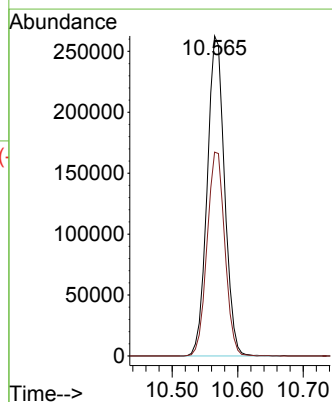
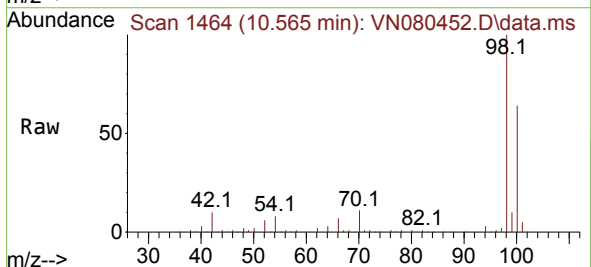
Acq: 13 Dec 2023 10:22

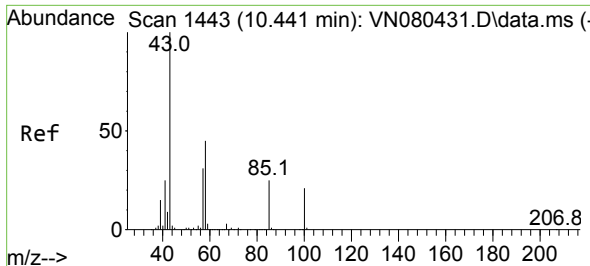
Tgt Ion: 98 Resp: 482921

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.835 ug/l

RT: 10.559 min Scan# 1443

Delta R.T. 0.118 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

Instrument :

MSVOA_N

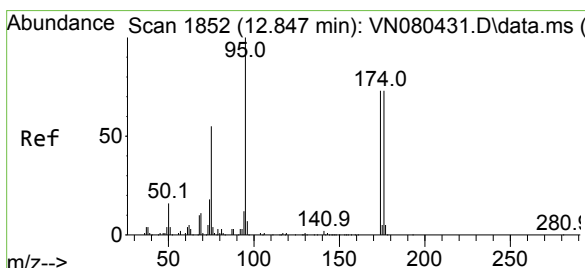
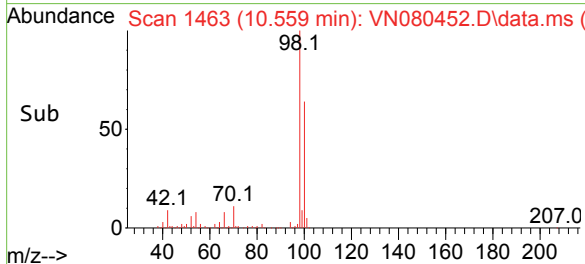
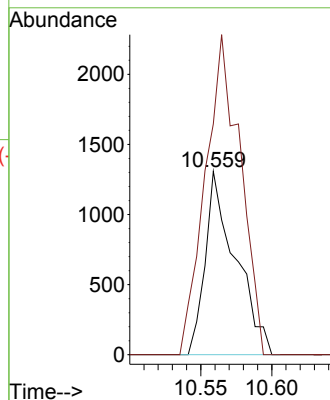
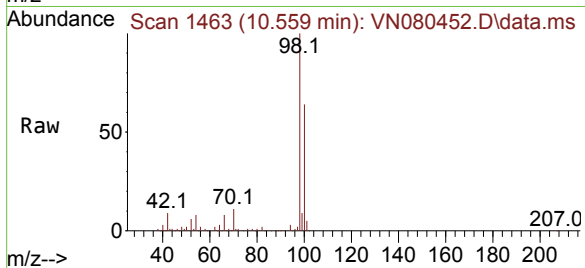
ClientSampleId :

Tgt Ion: 43 Resp: 1943

Ion Ratio Lower Upper

43 100

58 201.3 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 59.131 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

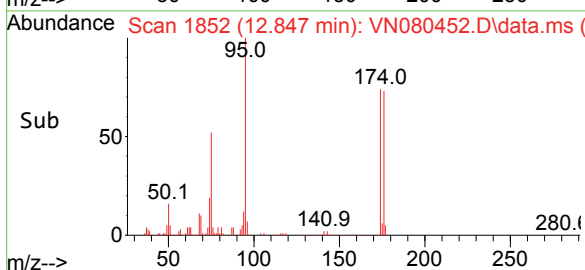
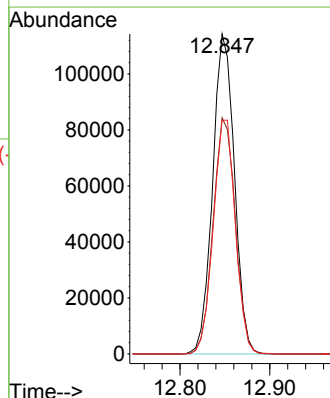
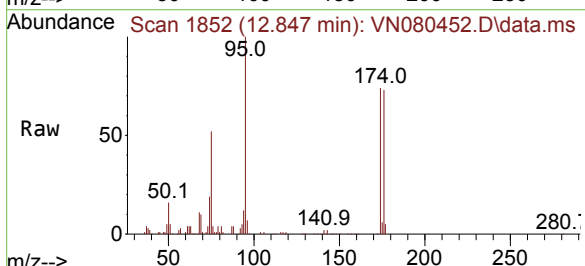
Tgt Ion: 95 Resp: 192230

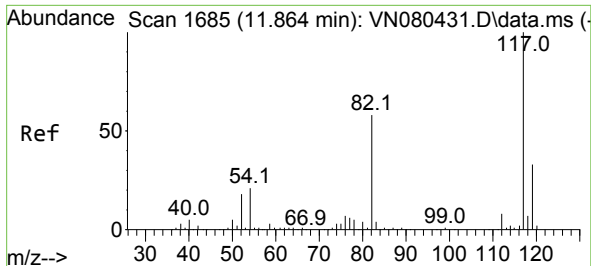
Ion Ratio Lower Upper

95 100

174 75.6 0.0 143.8

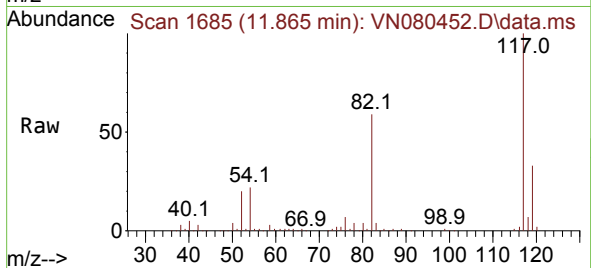
176 74.3 0.0 135.8



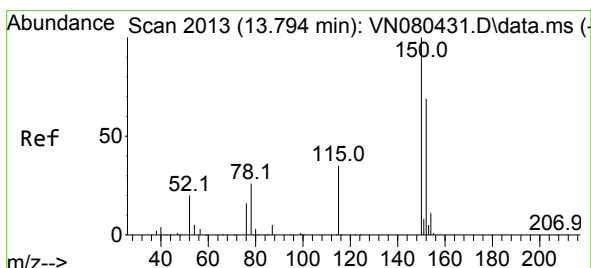
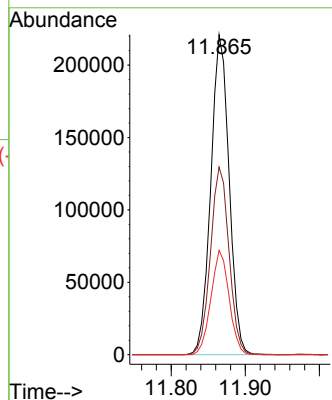
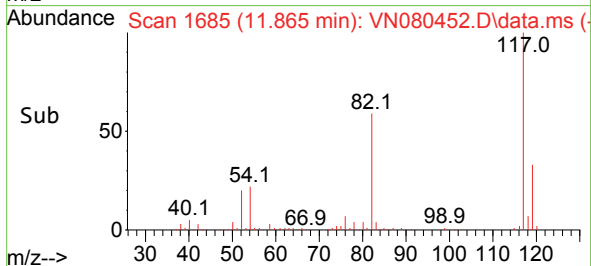


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

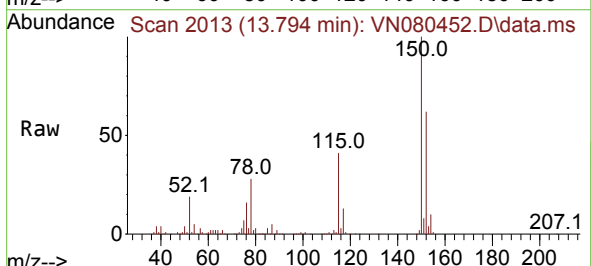
Instrument :
MSVOA_N
ClientSampleId :



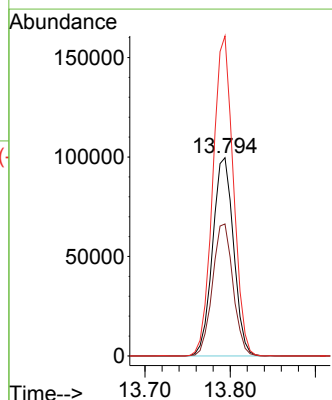
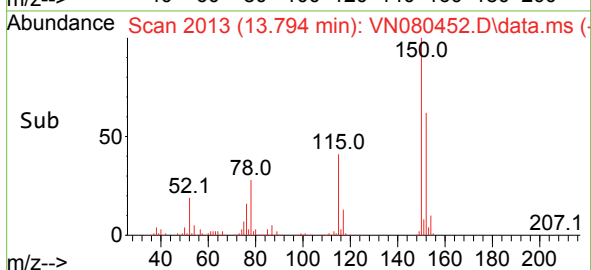
Tgt Ion:117 Resp: 378844
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 32.6 25.6 38.4

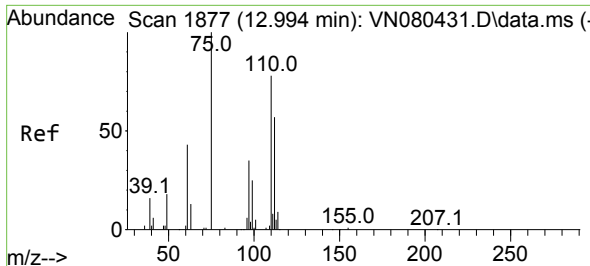


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22



Tgt Ion:152 Resp: 170317
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 157.8 0.0 355.8

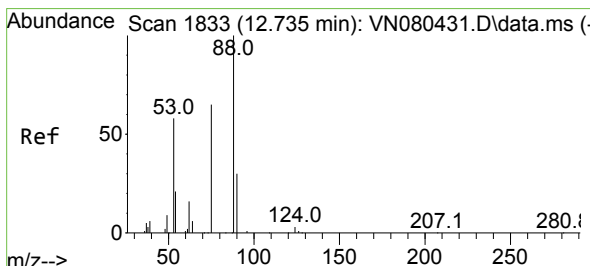
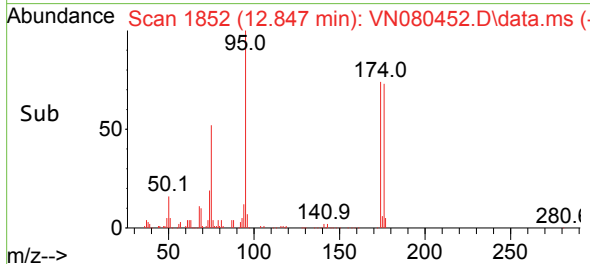
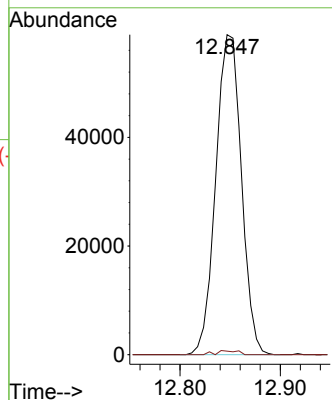
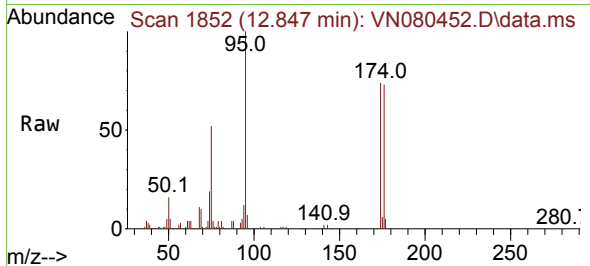




#76
1,2,3-Trichloropropane
Concen: 30.733 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

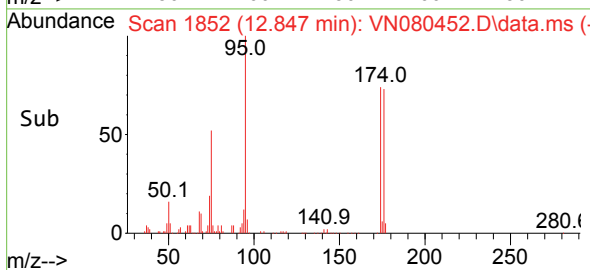
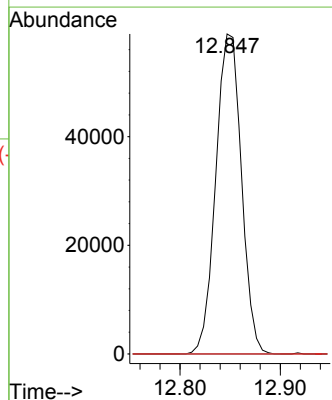
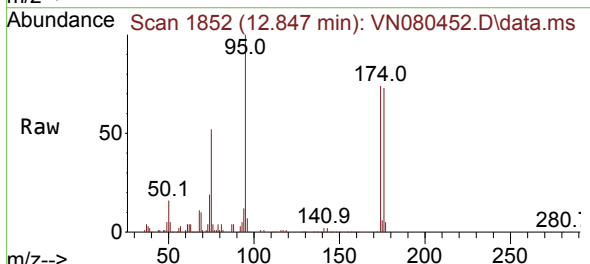
Instrument :
MSVOA_N
ClientSampleId :

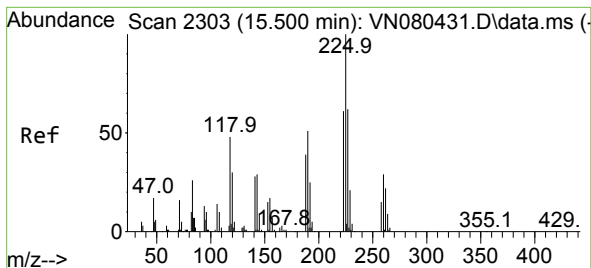
Tgt Ion: 75 Resp: 104425
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.693 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080452.D
Acq: 13 Dec 2023 10:22

Tgt Ion: 75 Resp: 104425
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#94

Hexachlorobutadiene

Concen: 0.444 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

Instrument :

MSVOA_N

ClientSampleId :

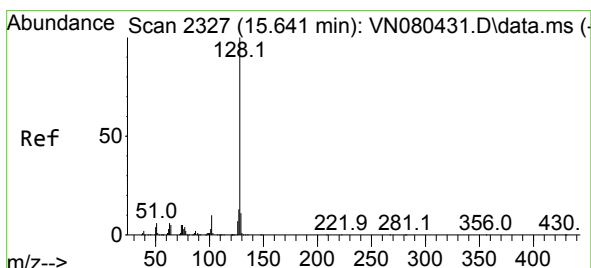
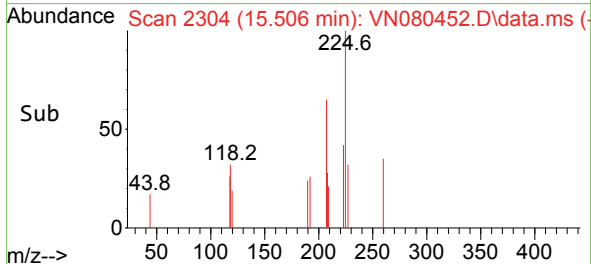
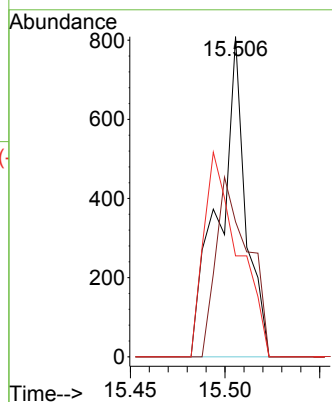
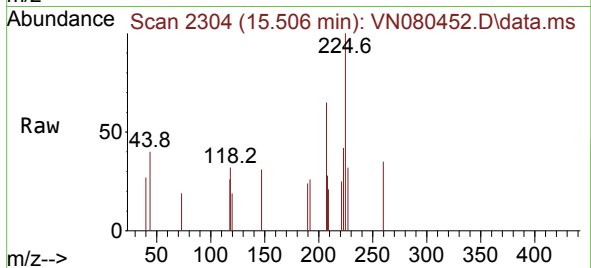
Tgt Ion:225 Resp: 790

Ion Ratio Lower Upper

225 100

223 68.4 31.3 93.8

227 82.9 31.9 95.9



#95

Naphthalene

Concen: 0.228 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080452.D

Acq: 13 Dec 2023 10:22

Tgt Ion:128 Resp: 2160

Ion Ratio Lower Upper

128 100

127 6.2 10.0 15.0#

129 3.9 8.7 13.1#

