

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080522.D
 Acq On : 19 Dec 2023 15:57
 Operator : JC\MD
 Sample : 05864-02 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 04:03:54 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	234556	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	427243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	448695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	210436	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	155355	51.857	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.720%
35) Dibromofluoromethane	8.165	113	135732	50.106	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
50) Toluene-d8	10.571	98	494240	48.921	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.853	95	207178	54.005	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.000%

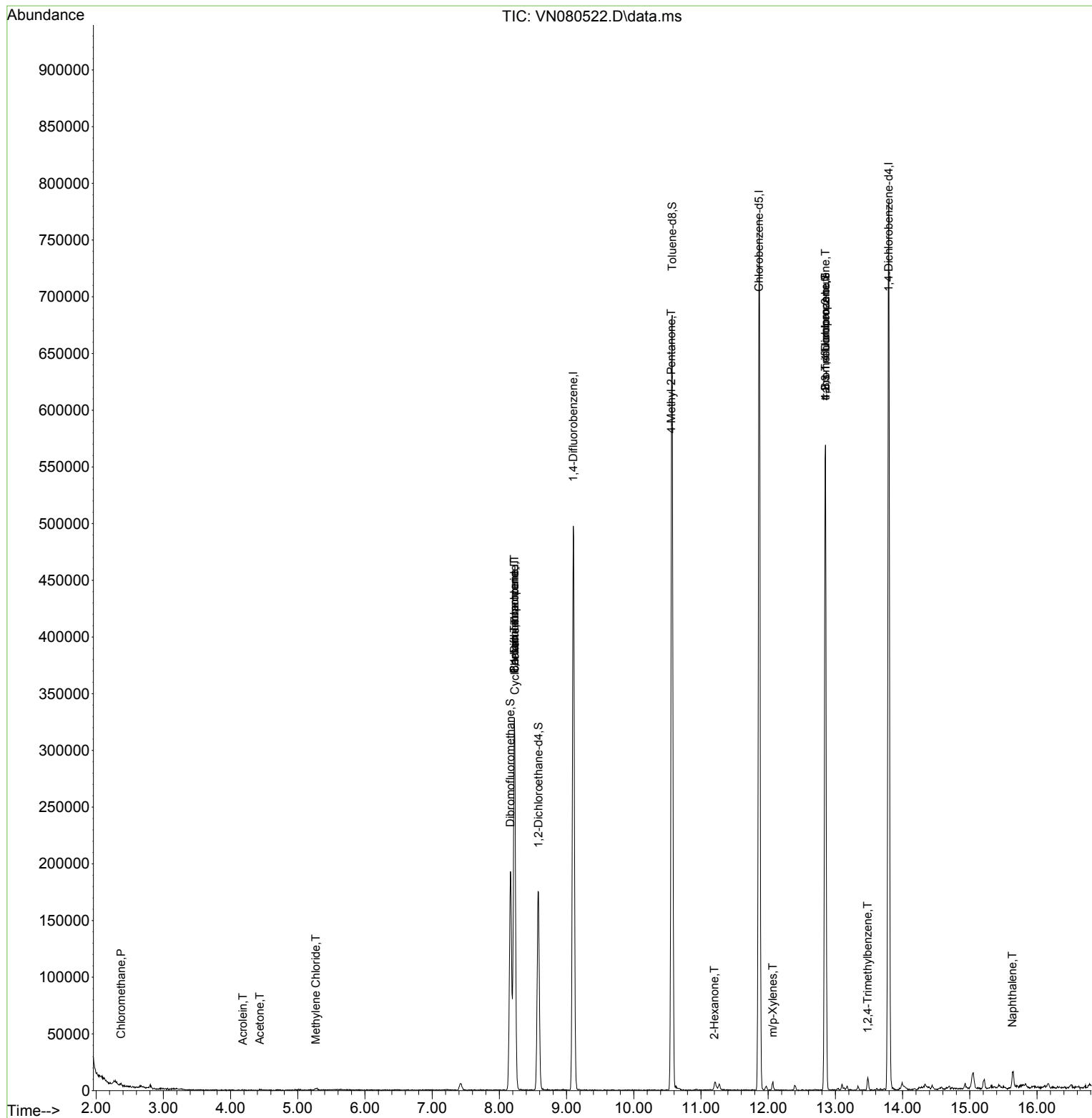
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	2525	0.404	ug/l #	68
13) Acrolein	4.183	56	297	0.769	ug/l #	48
16) Acetone	4.436	43	744	1.401	ug/l	97
20) Methylene Chloride	5.271	84	605	0.213	ug/l #	77
31) Cyclohexane	8.230	56	4659	1.144	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	18265	4.124	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25800	4.875	ug/l #	16
51) 4-Methyl-2-Pentanone	10.559	43	1995	0.726	ug/l #	1
59) 2-Hexanone	11.200	43	2134	1.052	ug/l #	23
68) m/p-Xylenes	12.070	106	2155	0.318	ug/l	87
76) 1,2,3-Trichloropropane	12.853	75	109476	26.077	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109476	68.468	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	6432	0.444	ug/l	97
95) Naphthalene	15.635	128	14221	1.212	ug/l	98

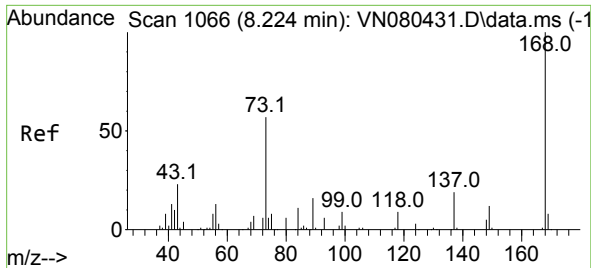
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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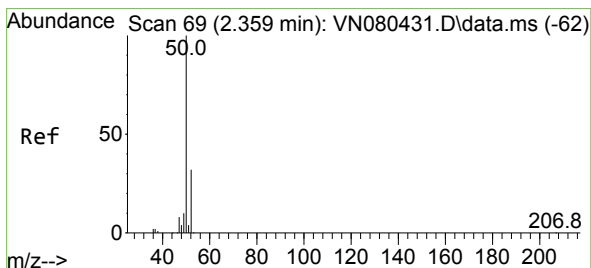
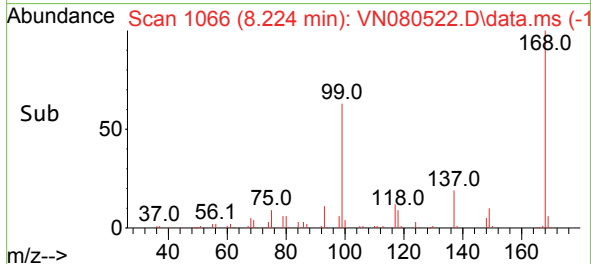
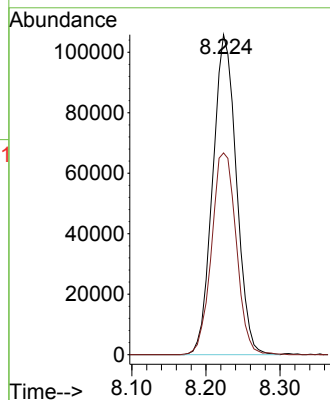
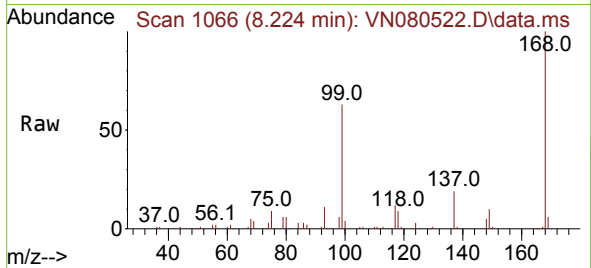




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

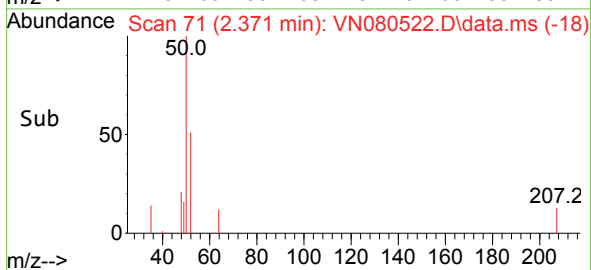
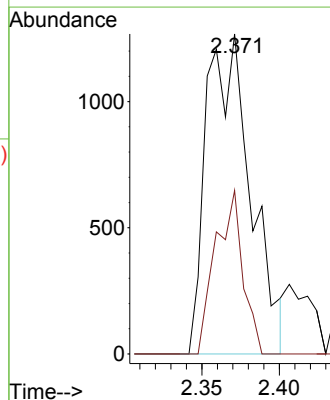
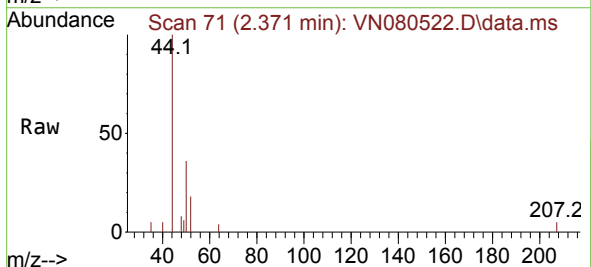
Instrument :
MSVOA_N
ClientSampleId :

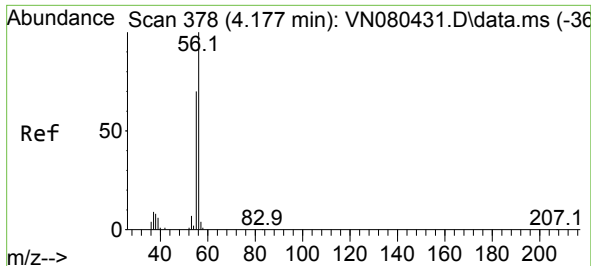
Tgt Ion:168 Resp: 234556
Ion Ratio Lower Upper
168 100
99 63.1 53.0 79.6



#3
Chloromethane
Concen: 0.404 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

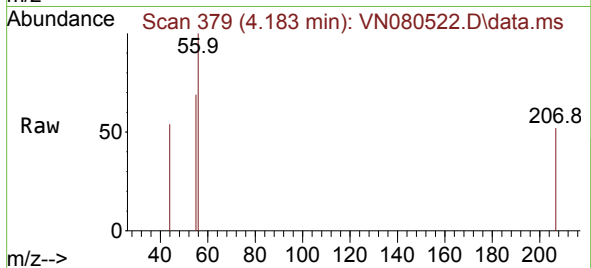
Tgt Ion: 50 Resp: 2525
Ion Ratio Lower Upper
50 100
52 51.1 26.5 39.7#



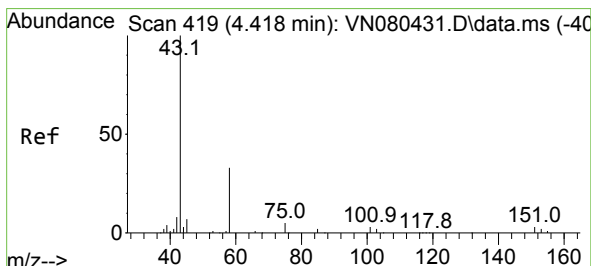
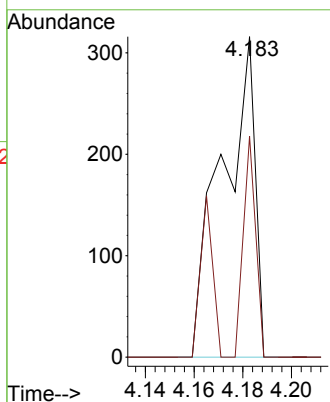
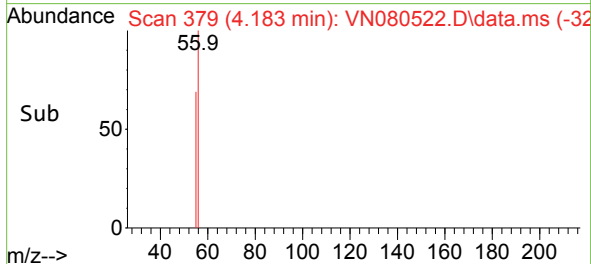


#13
Acrolein
Concen: 0.769 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

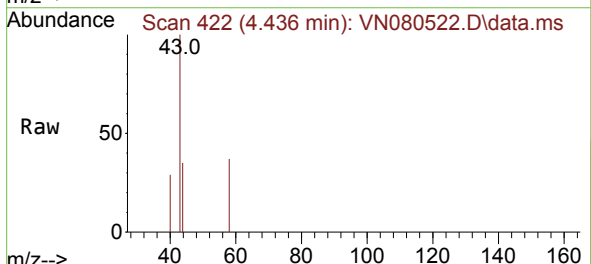
Instrument :
MSVOA_N
ClientSampleId :



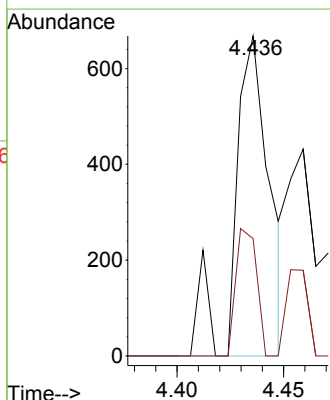
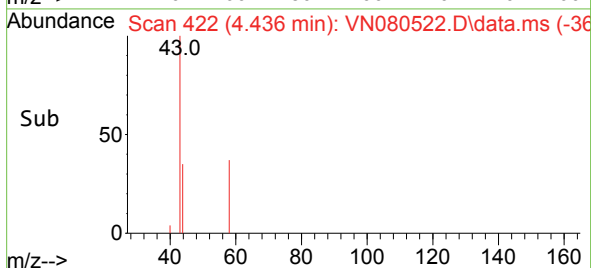
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 25.9 54.5 81.7#

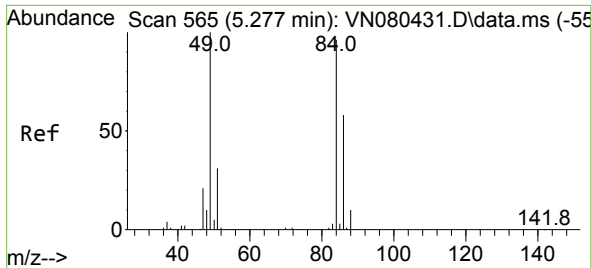


#16
Acetone
Concen: 1.401 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57



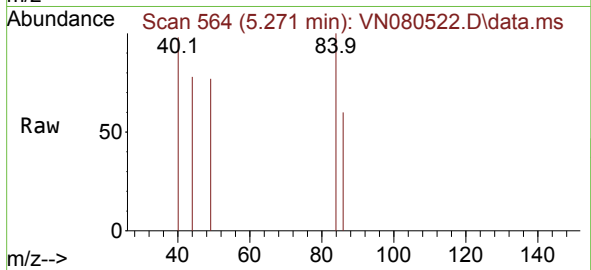
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0



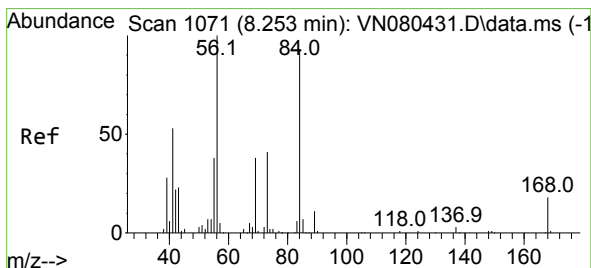
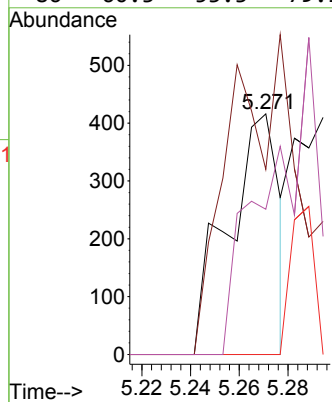
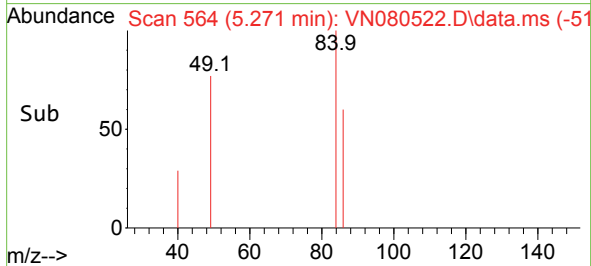


#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

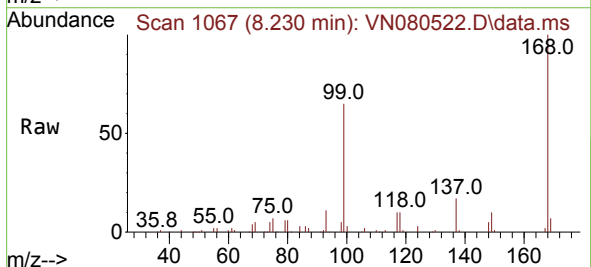
Instrument :
MSVOA_N
ClientSampleId :



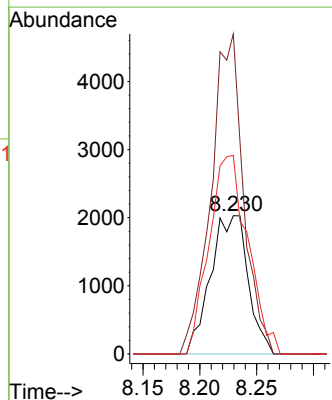
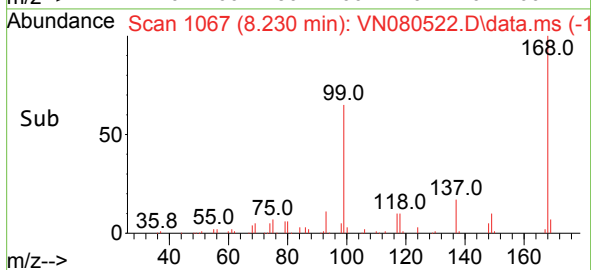
Tgt Ion: 84 Resp: 605
Ion Ratio Lower Upper
84 100
49 76.9 79.7 119.5#
51 0.0 25.2 37.8#
86 60.3 53.3 79.9

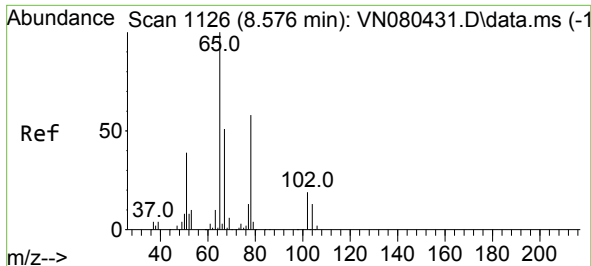


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57



Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 231.6 26.8 40.2#
84 143.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 51.857 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Instrument :

MSVOA_N

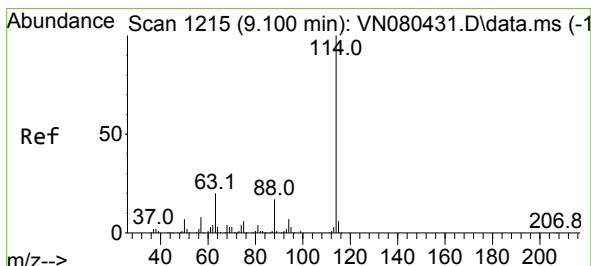
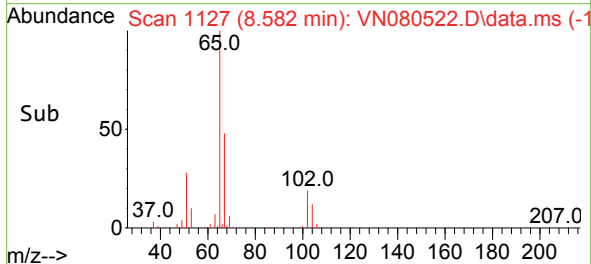
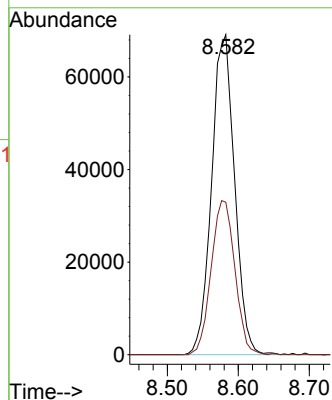
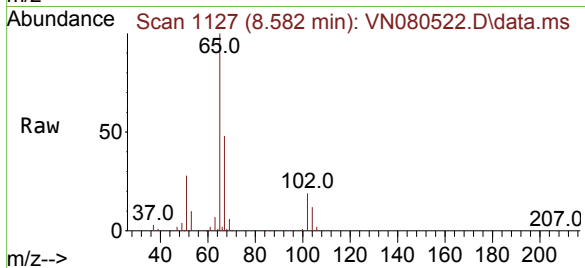
ClientSampleId :

Tgt Ion: 65 Resp: 155355

Ion Ratio Lower Upper

65 100

67 49.6 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: VN080522.D

Acq: 19 Dec 2023 15:57

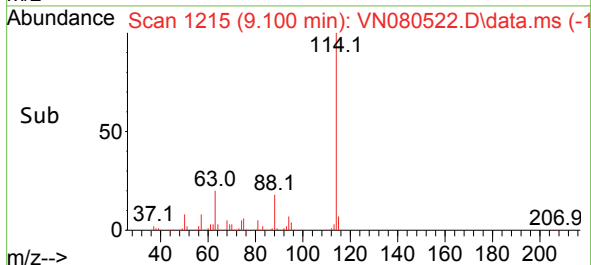
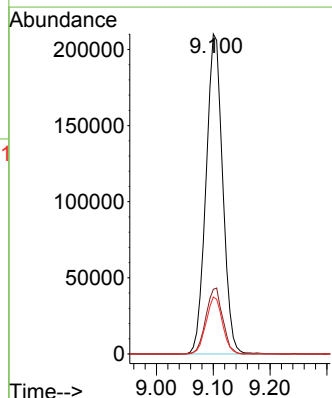
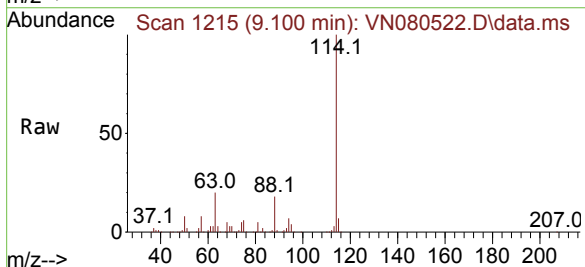
Tgt Ion: 114 Resp: 427243

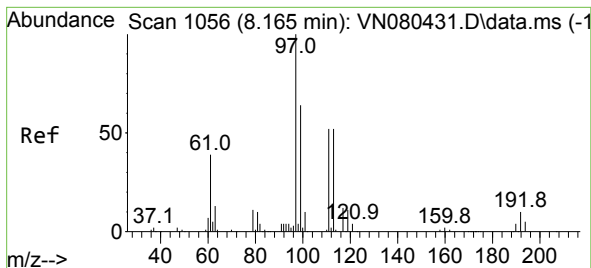
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 17.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.106 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

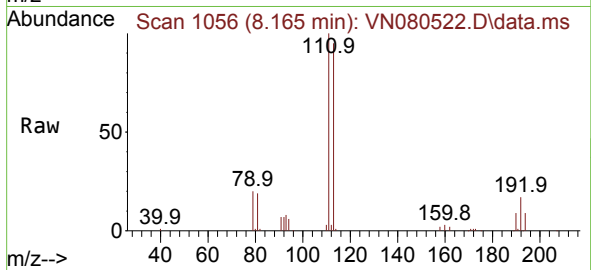
Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Instrument :

MSVOA_N

ClientSampleId :



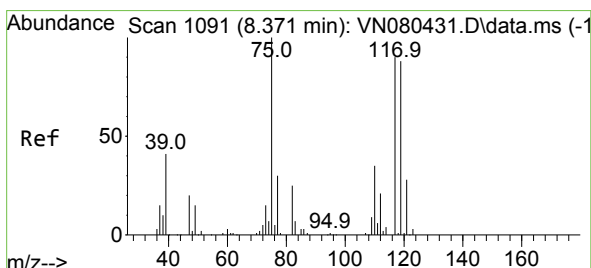
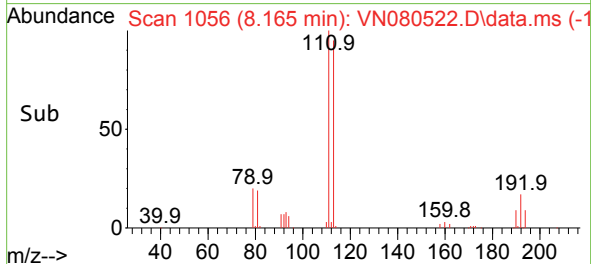
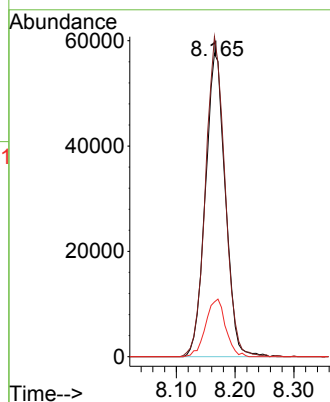
Tgt Ion:113 Resp: 135732

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 19.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.124 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

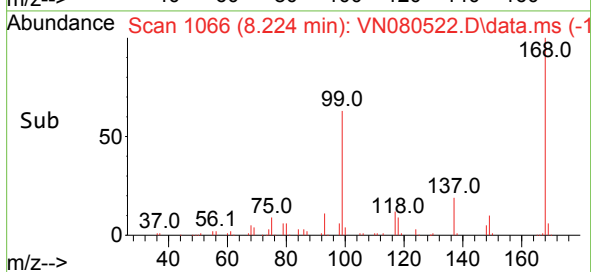
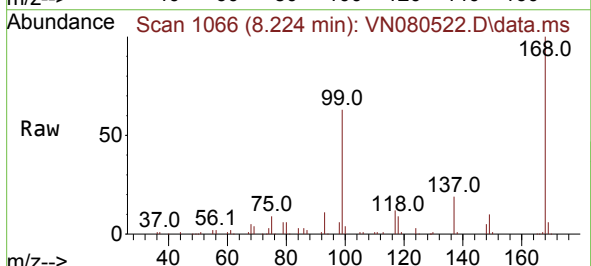
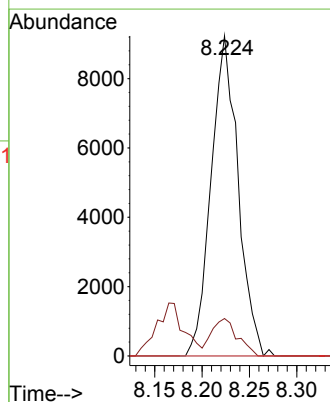
Tgt Ion: 75 Resp: 18265

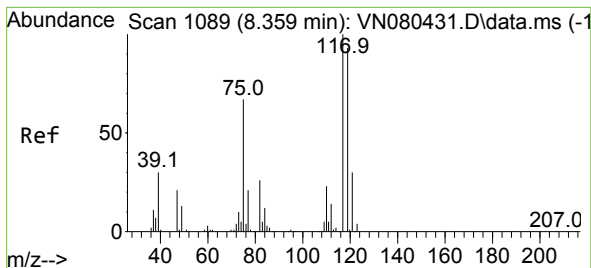
Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.875 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

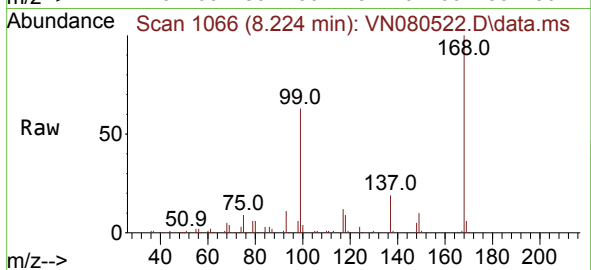
Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Instrument :

MSVOA_N

ClientSampleId :



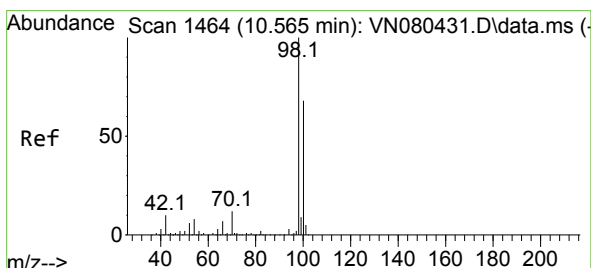
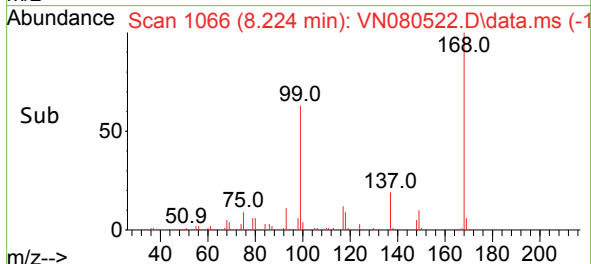
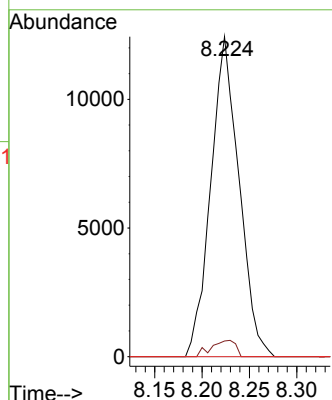
Tgt Ion:117 Resp: 25800

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 48.921 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080522.D

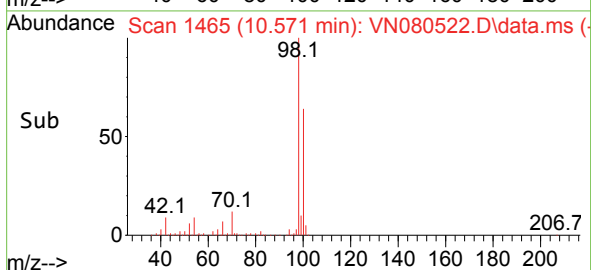
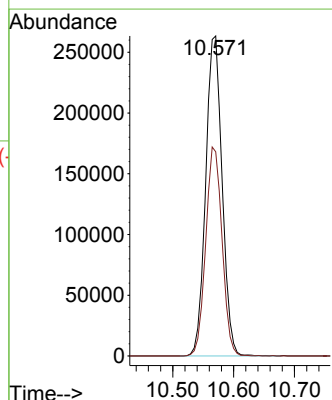
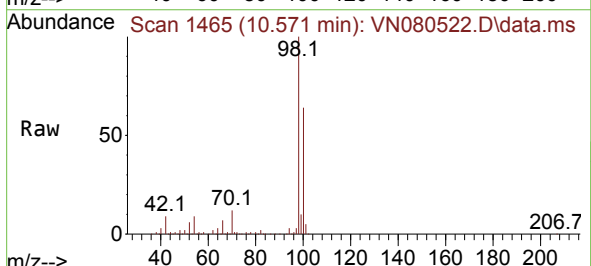
Acq: 19 Dec 2023 15:57

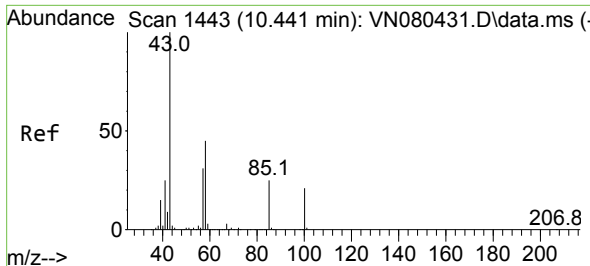
Tgt Ion: 98 Resp: 494240

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

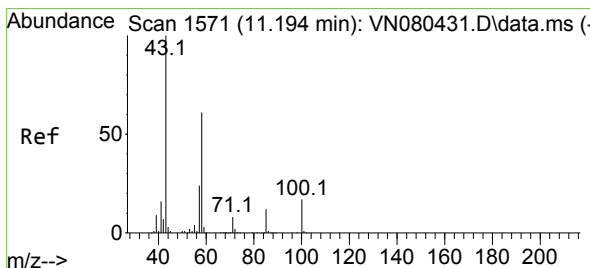
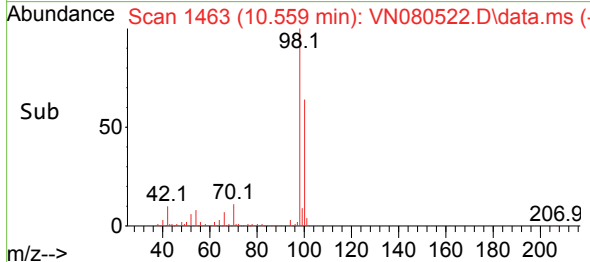
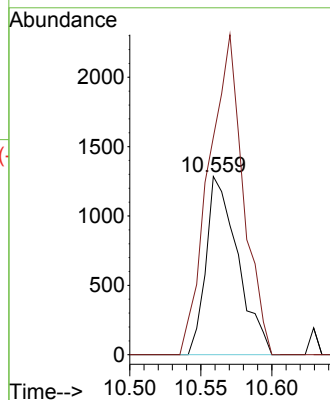
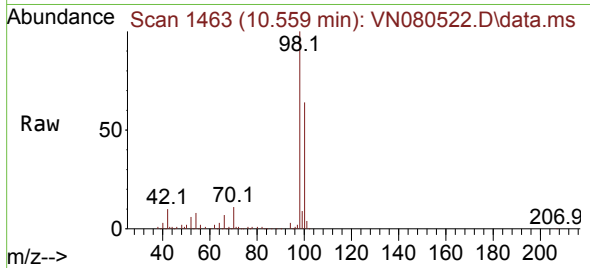




#51
4-Methyl-2-Pentanone
Concen: 0.726 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

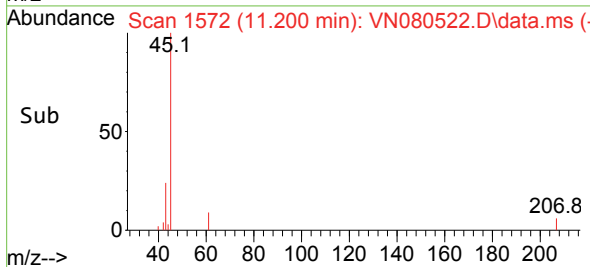
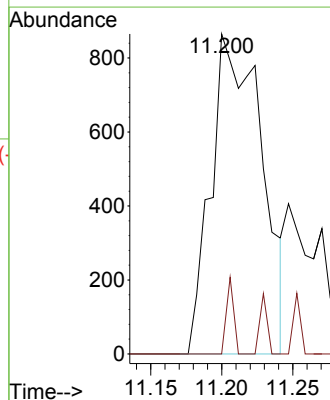
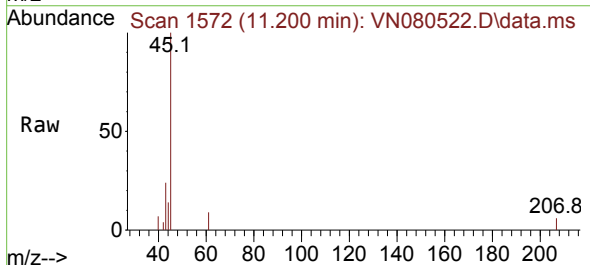
Instrument :
MSVOA_N
ClientSampleId :

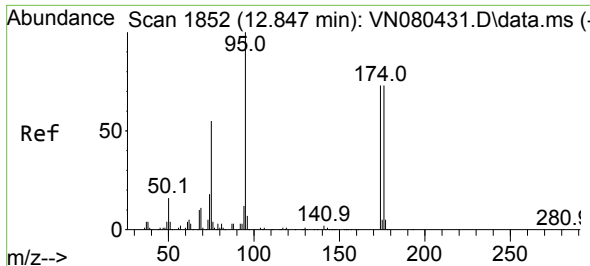
Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
58 195.9 36.6 54.8#



#59
2-Hexanone
Concen: 1.052 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

Tgt Ion: 43 Resp: 2134
Ion Ratio Lower Upper
43 100
58 3.4 31.7 95.1#

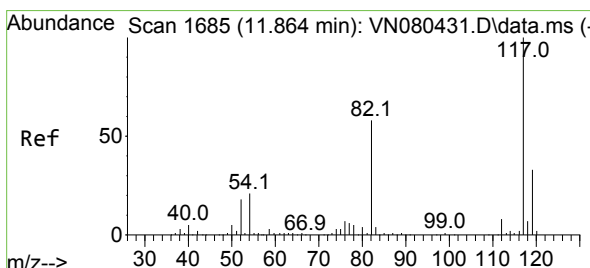
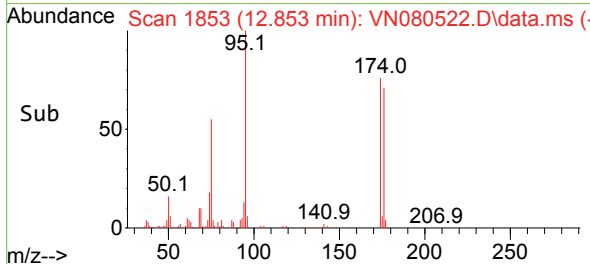
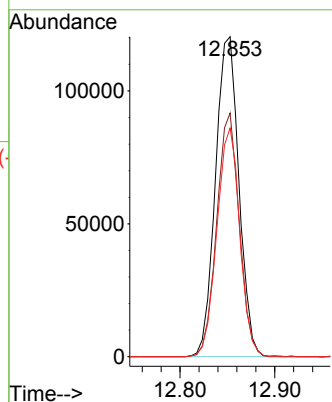
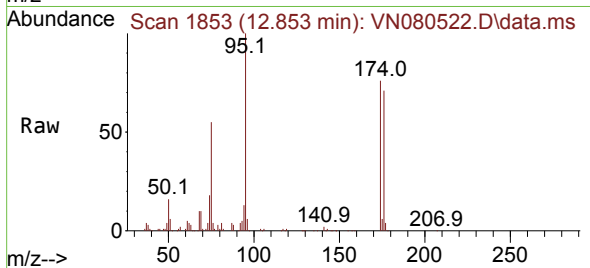




#62
4-Bromofluorobenzene
Concen: 54.005 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

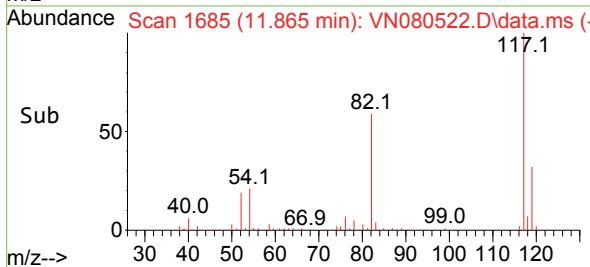
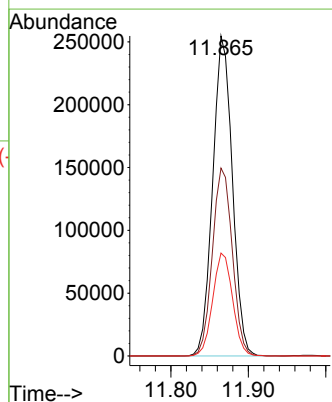
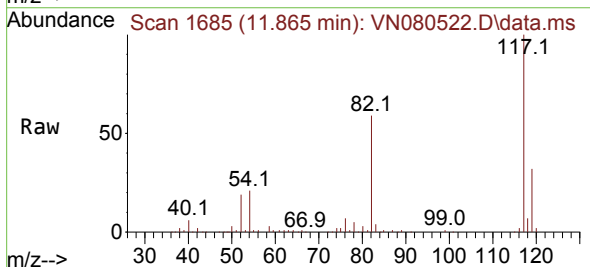
Instrument :
MSVOA_N
ClientSampleId :

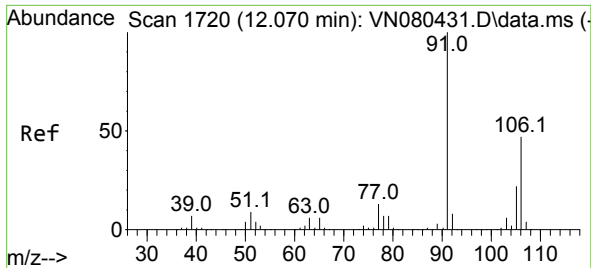
Tgt Ion: 95 Resp: 207178
Ion Ratio Lower Upper
95 100
174 73.2 0.0 143.8
176 69.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

Tgt Ion: 117 Resp: 448695
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 32.1 25.6 38.4

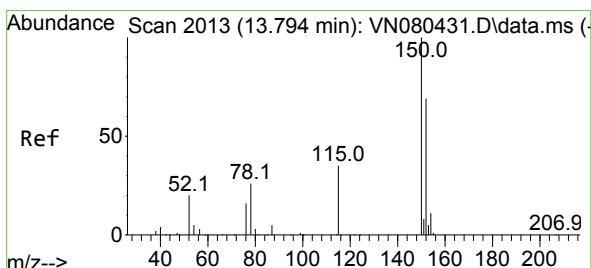
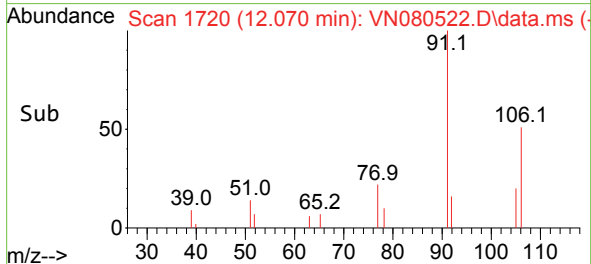
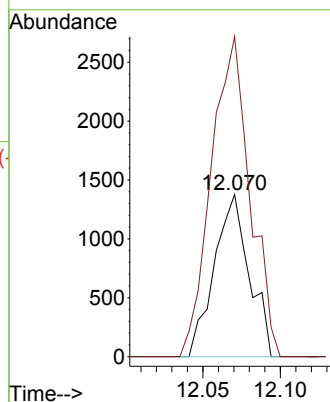
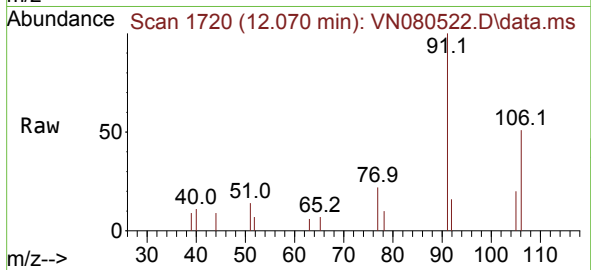




#68
m/p-Xylenes
Concen: 0.318 ug/l
RT: 12.070 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

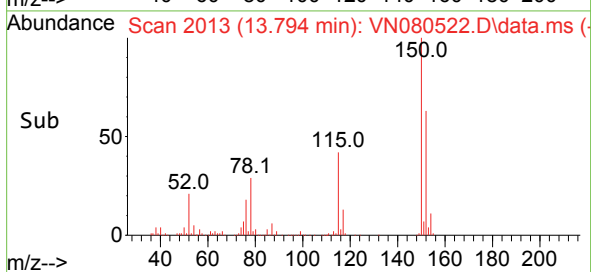
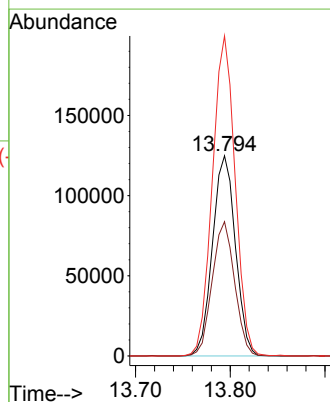
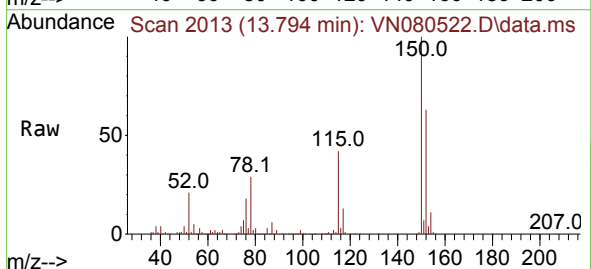
Instrument :
MSVOA_N
ClientSampleId :

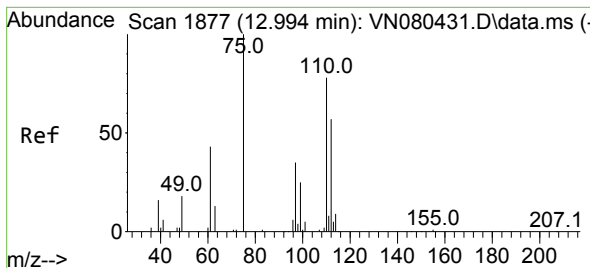
Tgt Ion:106 Resp: 2155
Ion Ratio Lower Upper
106 100
91 219.3 159.6 239.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080522.D
Acq: 19 Dec 2023 15:57

Tgt Ion:152 Resp: 210436
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 158.4 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 26.077 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

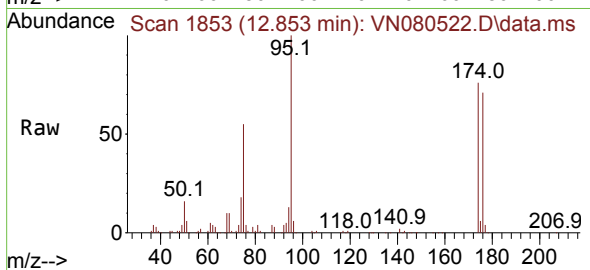
Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Instrument :

MSVOA_N

ClientSampleId :

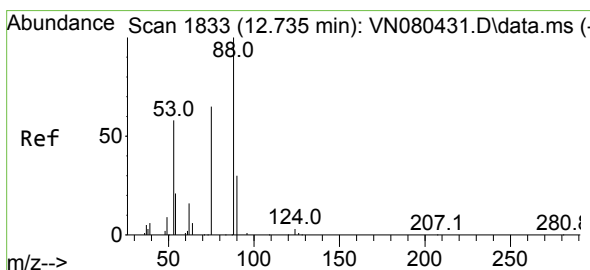
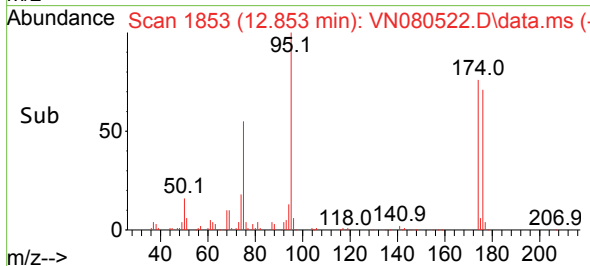
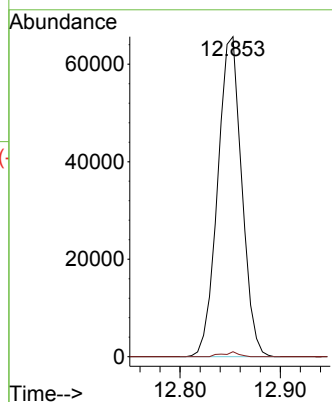


Tgt Ion: 75 Resp: 109476

Ion Ratio Lower Upper

75 100

77 1.0 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.468 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

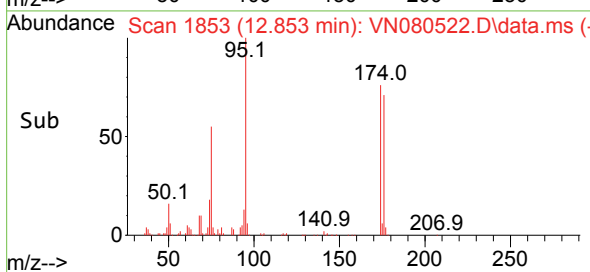
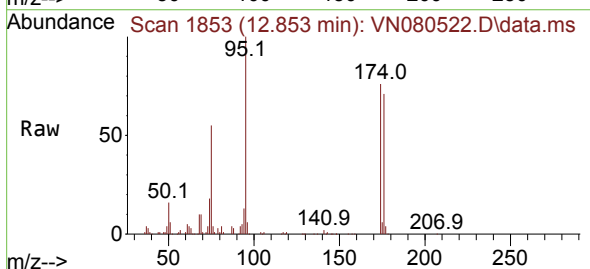
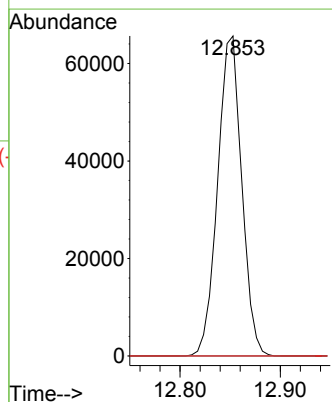
Tgt Ion: 75 Resp: 109476

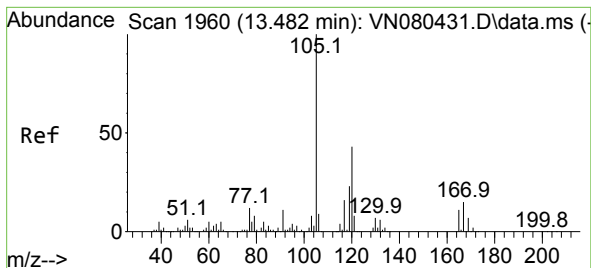
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.444 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Instrument :

MSVOA_N

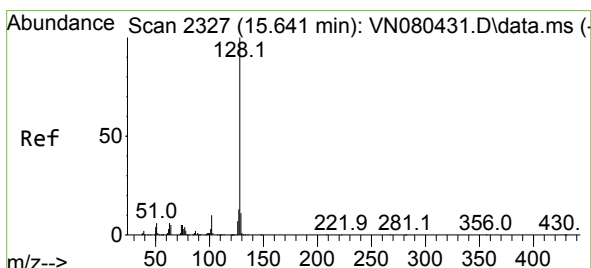
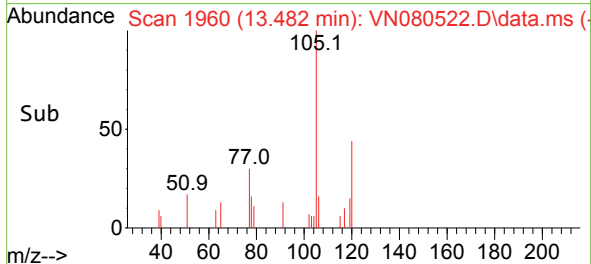
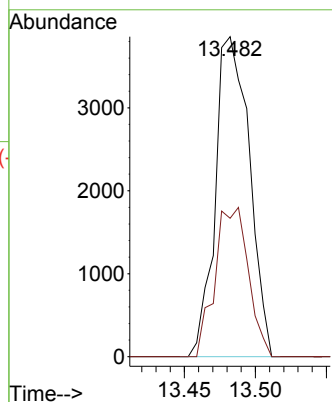
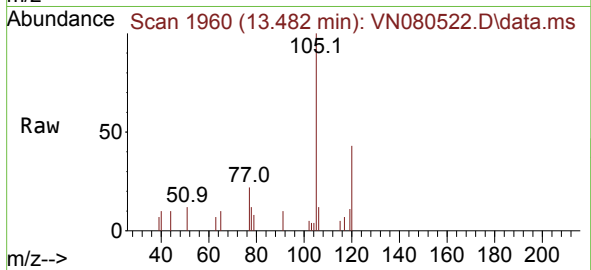
ClientSampleId :

Tgt Ion:105 Resp: 6432

Ion Ratio Lower Upper

105 100

120 45.8 22.0 66.0



#95

Naphthalene

Concen: 1.212 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN080522.D

Acq: 19 Dec 2023 15:57

Tgt Ion:128 Resp: 14221

Ion Ratio Lower Upper

128 100

127 13.6 10.0 15.0

129 10.4 8.7 13.1

