

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080444.D
 Acq On : 12 Dec 2023 17:50
 Operator : JC\MD
 Sample : 05672-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 02:35:21 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)

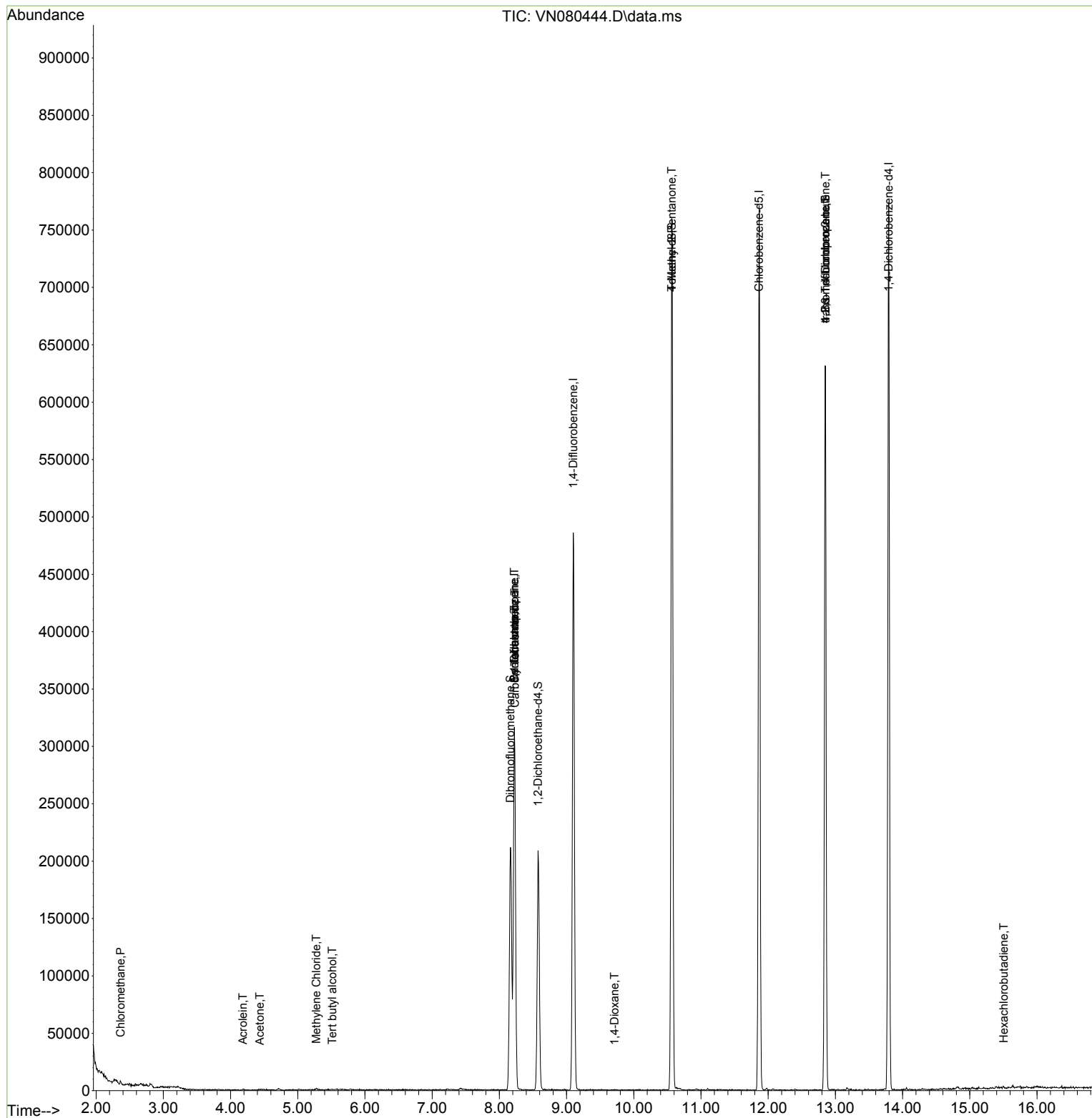
Internal Standards						
1) Pentafluorobenzene	8.224	168	227885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	418589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	445993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	177525	60.992	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.980%	
35) Dibromofluoromethane	8.165	113	152829	57.584	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.160%	
50) Toluene-d8	10.565	98	551936	55.762	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.520%	
62) 4-Bromofluorobenzene	12.853	95	232548	61.871	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.740%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2900	0.553	ug/l #	86
11) Tert butyl alcohol	5.512	59	158	0.461	ug/l #	72
13) Acrolein	4.183	56	438	1.167	ug/l #	56
16) Acetone	4.436	43	1309	2.536	ug/l #	40
20) Methylene Chloride	5.277	84	579	0.210	ug/l #	75
31) Cyclohexane	8.224	56	4716	1.191	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	18259	4.208	ug/l #	51
38) Carbon Tetrachloride	8.229	117	23917	4.613	ug/l #	15
49) 1,4-Dioxane	9.712	88	60	1.358	ug/l #	30
51) 4-Methyl-2-Pentanone	10.565	43	2167	0.805	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	125393	30.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	125393	79.723	ug/l #	15
94) Hexachlorobutadiene	15.506	225	539	0.249	ug/l	76

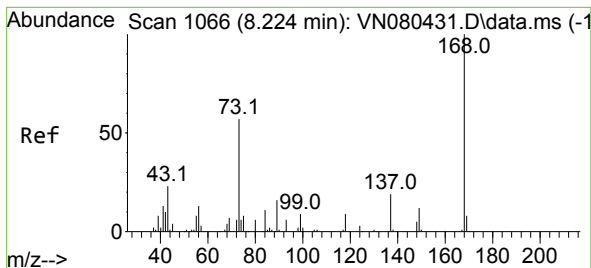
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080444.D

Acq: 12 Dec 2023 17:50

Instrument :

MSVOA_N

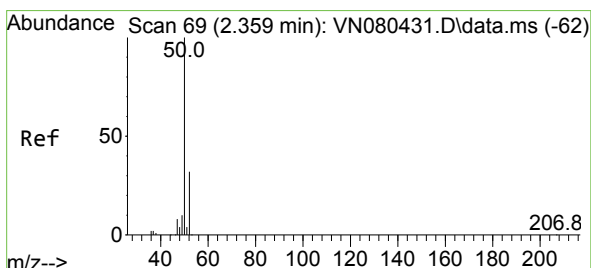
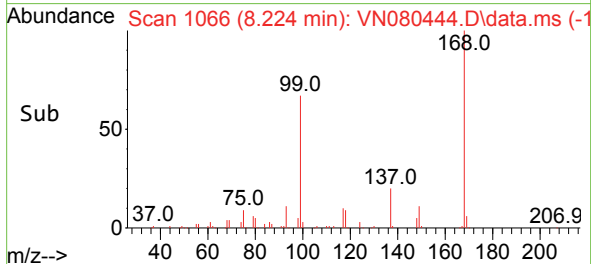
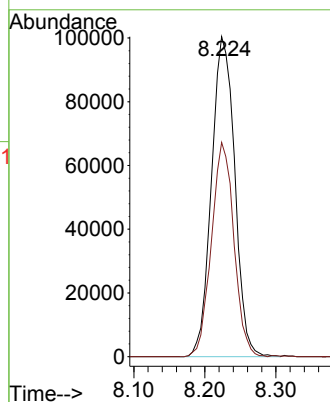
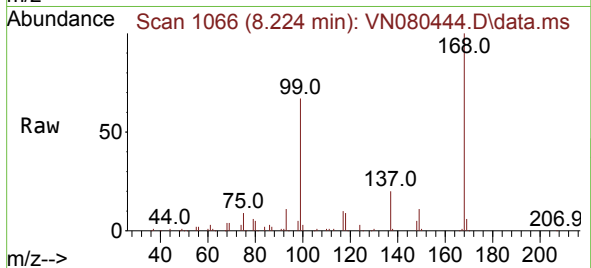
ClientSampleId :

Tgt Ion:168 Resp: 227885

Ion Ratio Lower Upper

168 100

99 66.9 53.0 79.6



#3

Chloromethane

Concen: 0.553 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080444.D

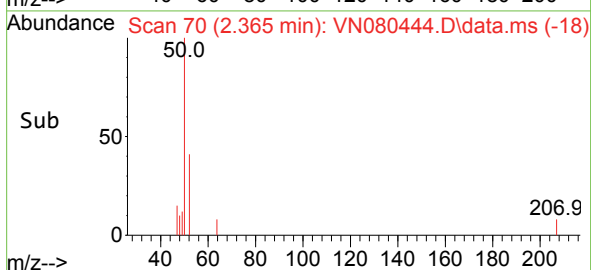
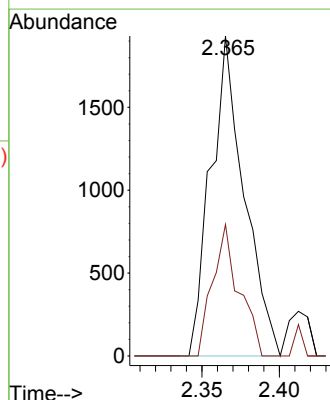
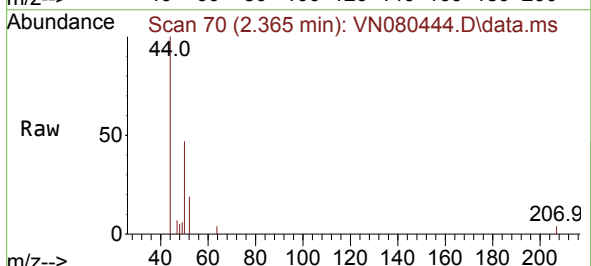
Acq: 12 Dec 2023 17:50

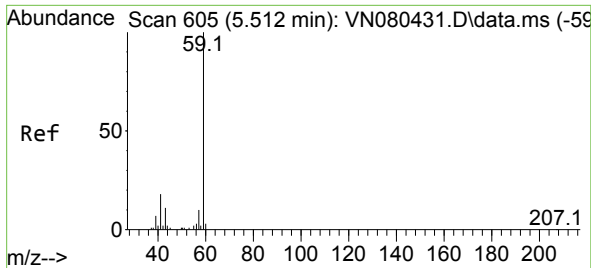
Tgt Ion: 50 Resp: 2900

Ion Ratio Lower Upper

50 100

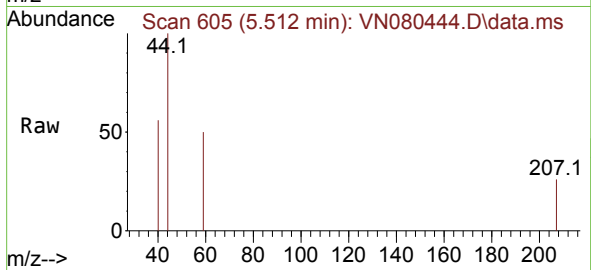
52 41.1 26.5 39.7#



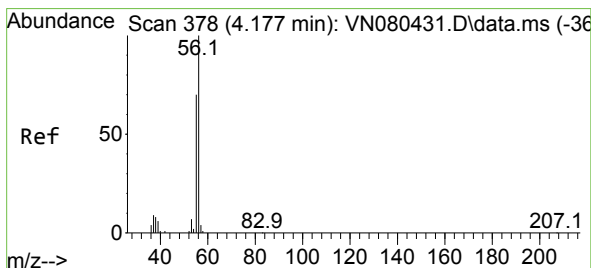
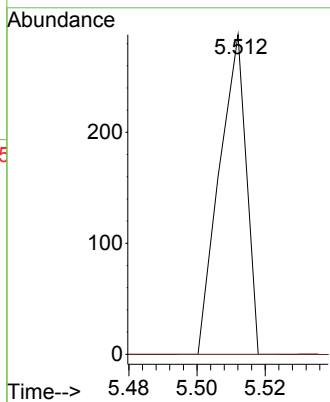
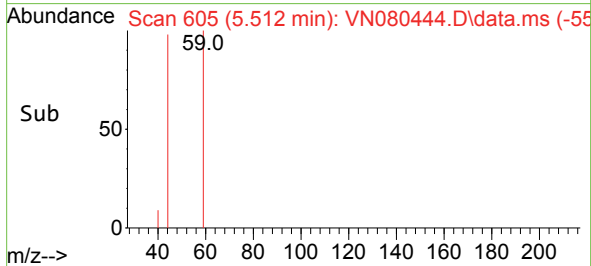


#11
Tert butyl alcohol
Concen: 0.461 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

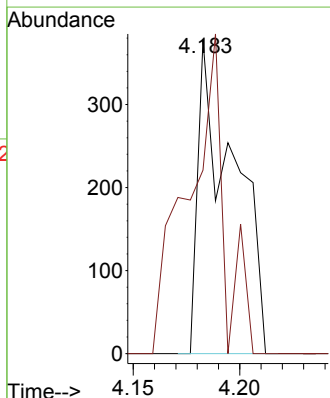
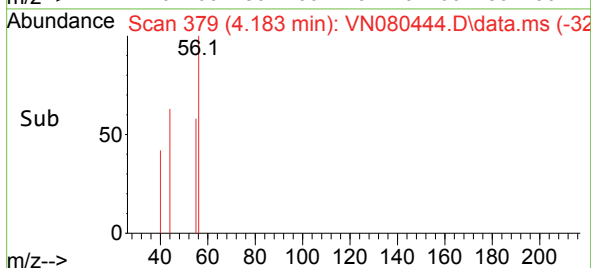
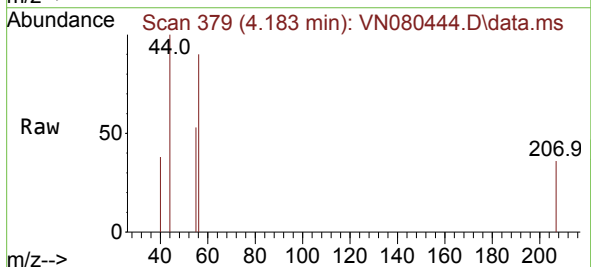


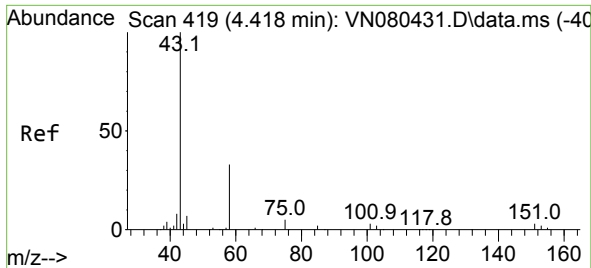
Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 1.167 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
55 103.9 54.5 81.7#

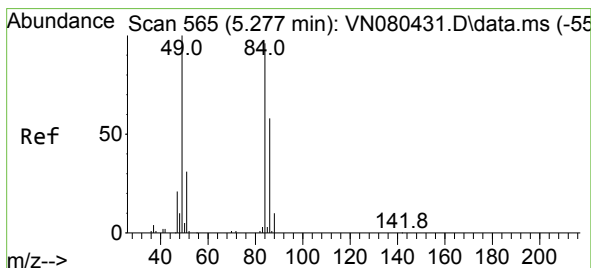
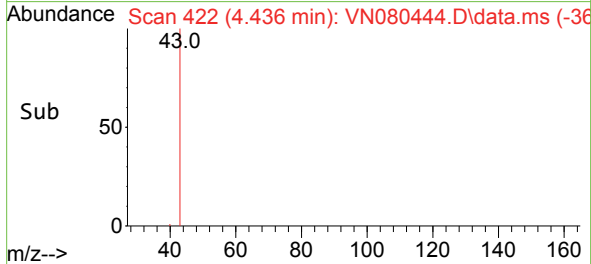
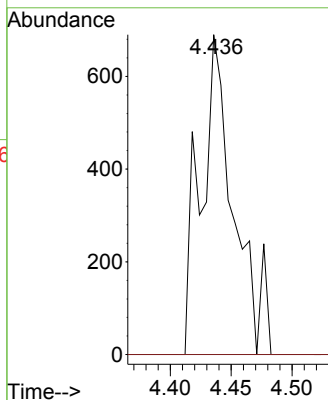
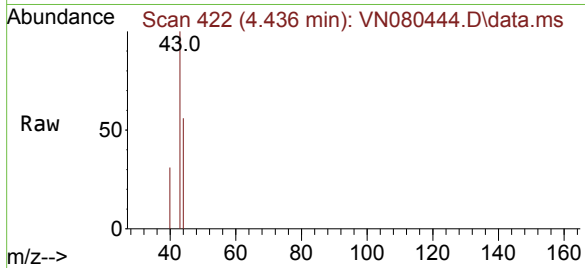




#16
Acetone
Concen: 2.536 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

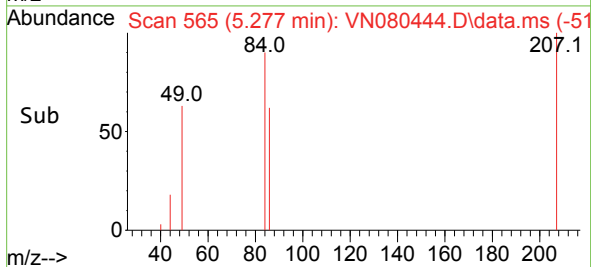
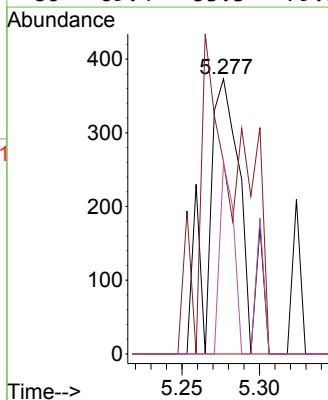
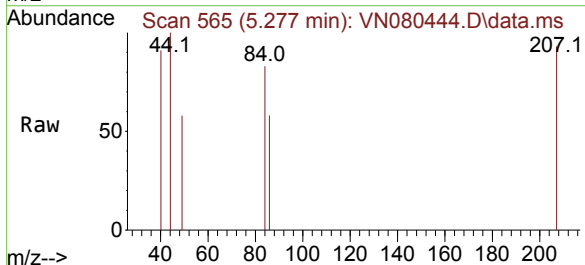
Instrument :
MSVOA_N
ClientSampleId :

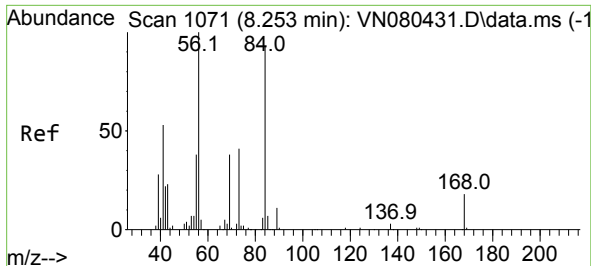
Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

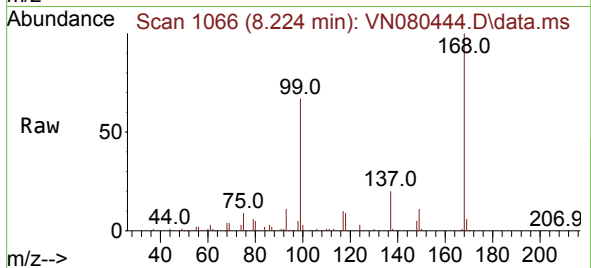
Tgt Ion: 84 Resp: 579
Ion Ratio Lower Upper
84 100
49 70.0 79.7 119.5#
51 0.0 25.2 37.8#
86 69.4 53.3 79.9



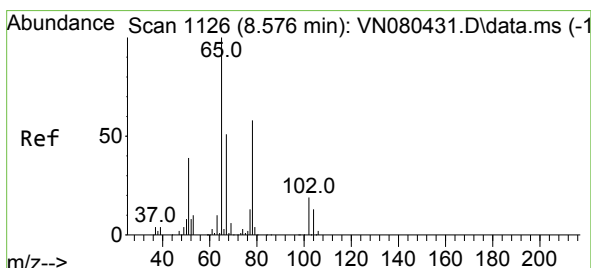
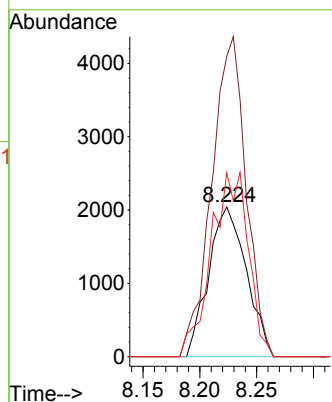
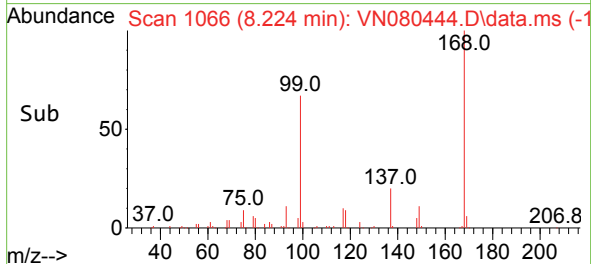


#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

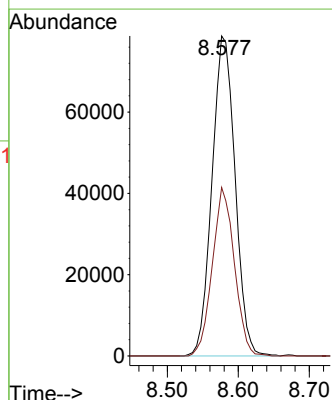
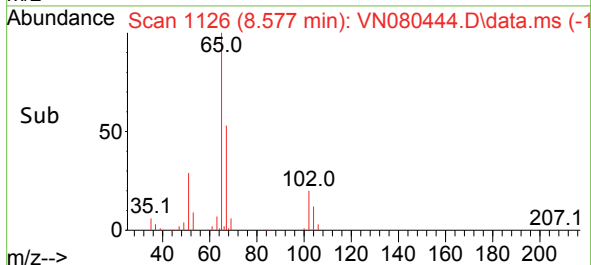
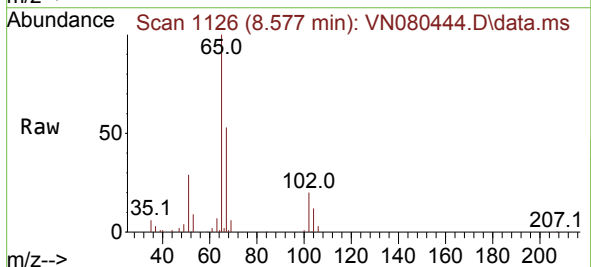


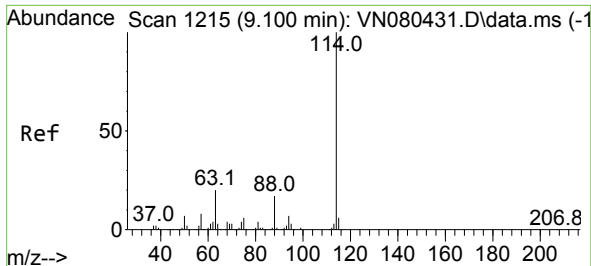
Tgt Ion: 56 Resp: 4716
Ion Ratio Lower Upper
56 100
69 200.4 26.8 40.2#
84 122.7 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 60.992 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

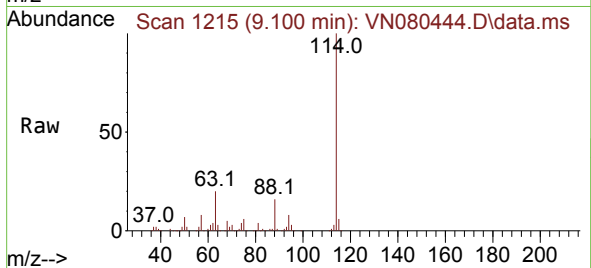
Tgt Ion: 65 Resp: 177525
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6



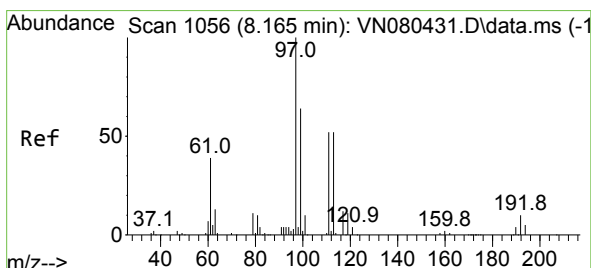
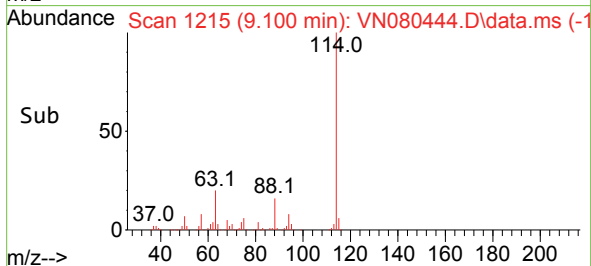
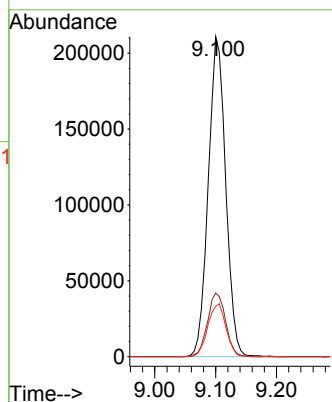


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Instrument :
MSVOA_N
ClientSampleId :

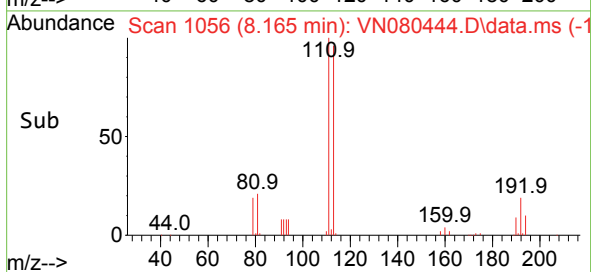
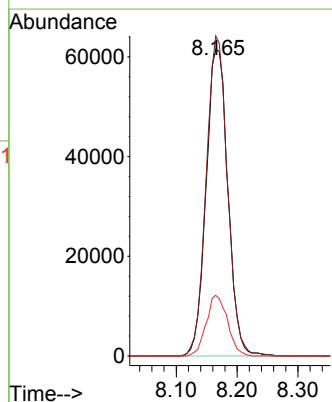
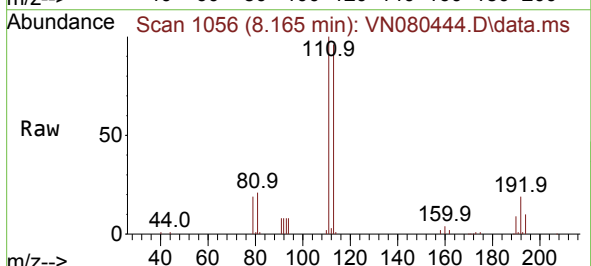


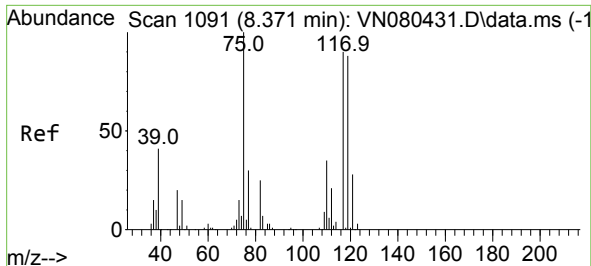
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	36.4
88	15.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 57.584 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

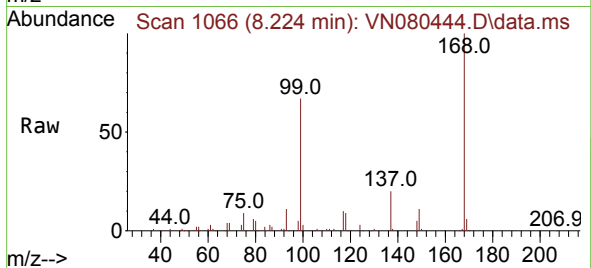
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	19.3	12.7	19.1



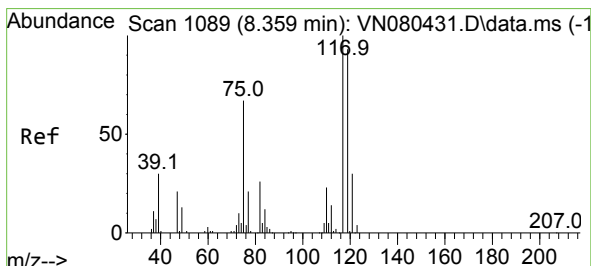
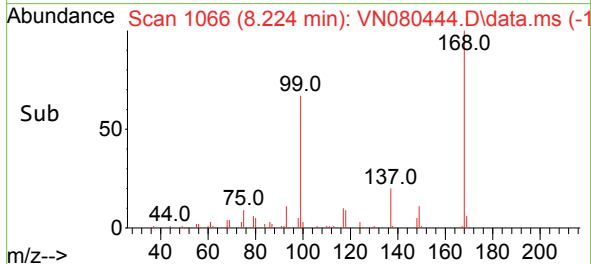
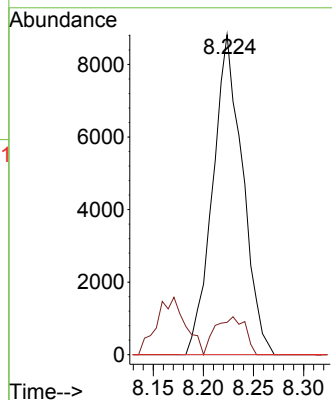


#36
1,1-Dichloropropene
Concen: 4.208 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Instrument :
MSVOA_N
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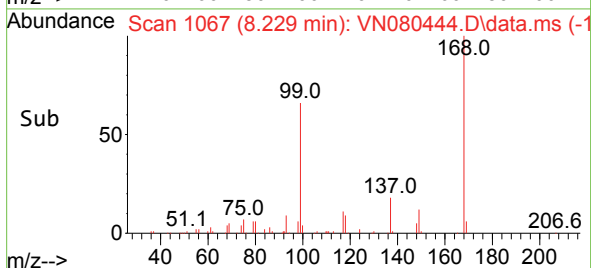
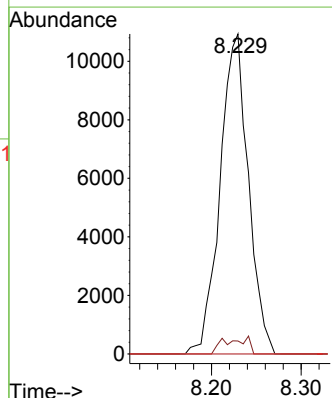
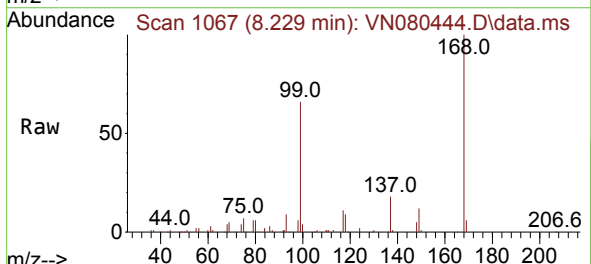


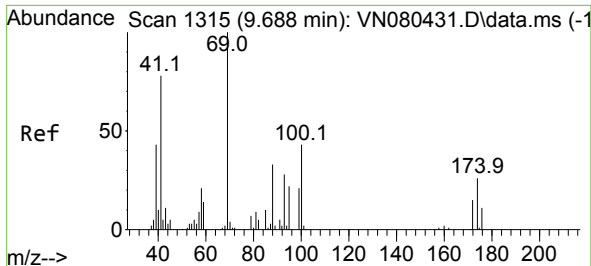
Tgt Ion: 75 Resp: 18259
Ion Ratio Lower Upper
75 100
110 11.9 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 4.613 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Tgt Ion: 117 Resp: 23917
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#





#49

1,4-Dioxane

Concen: 1.358 ug/l

RT: 9.712 min Scan# 1

Delta R.T. 0.024 min

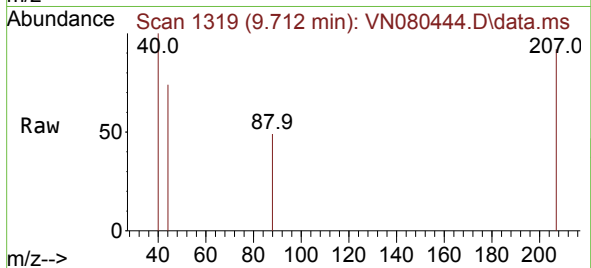
Lab File: VN080444.D

Acq: 12 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :



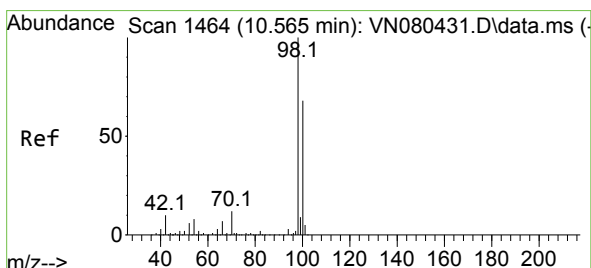
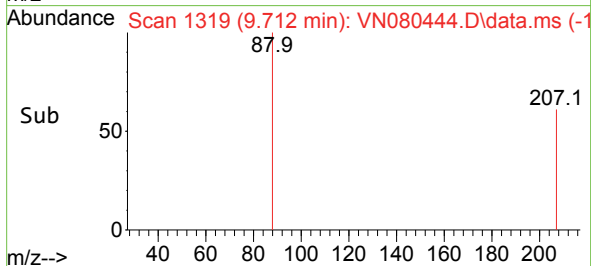
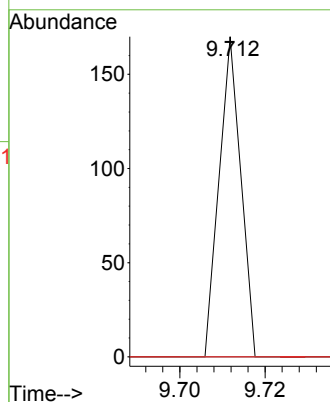
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 55.762 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080444.D

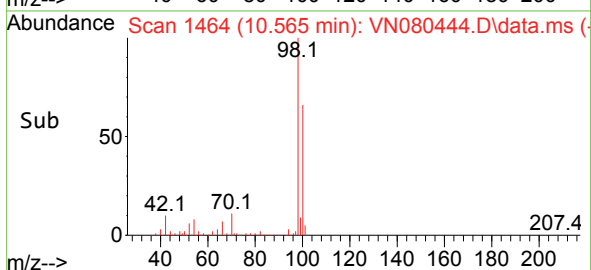
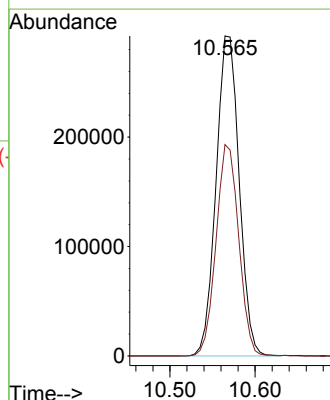
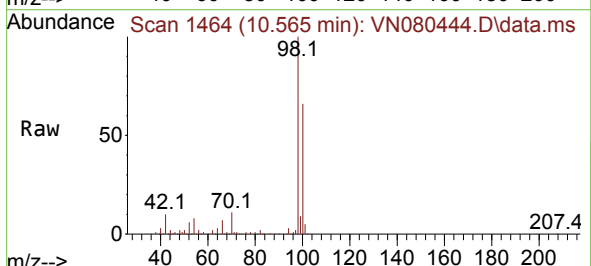
Acq: 12 Dec 2023 17:50

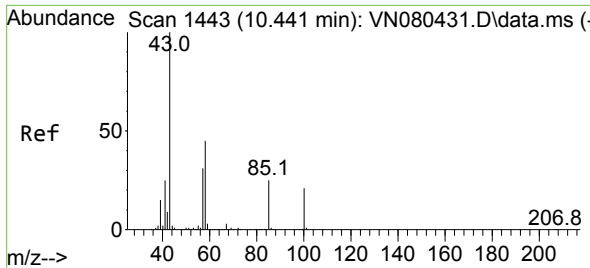
Tgt Ion: 98 Resp: 551936

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

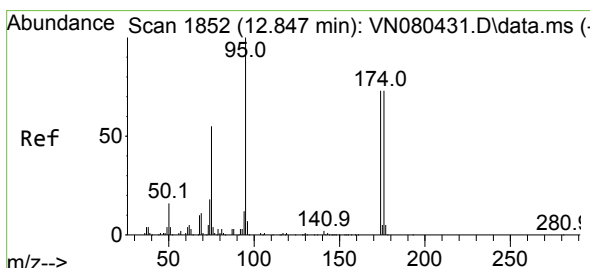
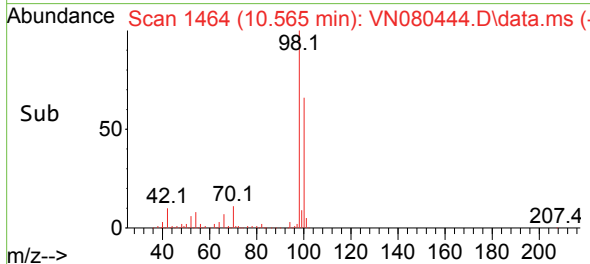
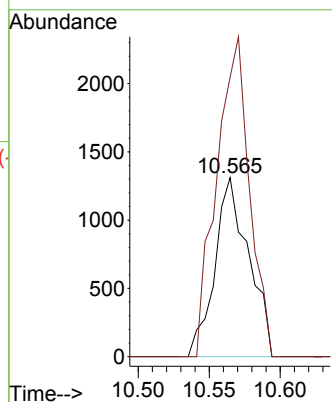
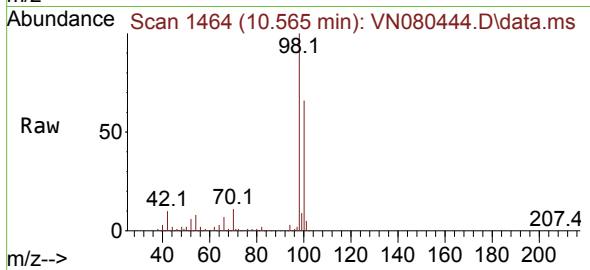




#51
4-Methyl-2-Pentanone
Concen: 0.805 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

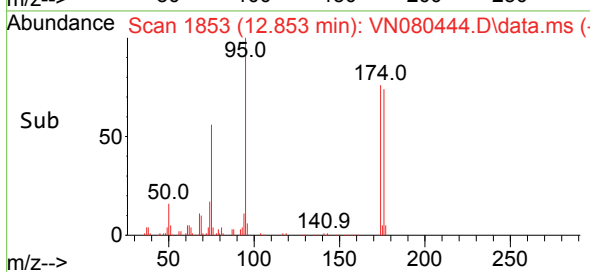
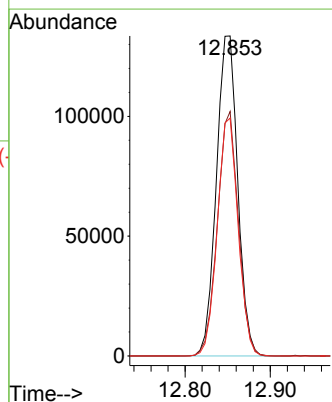
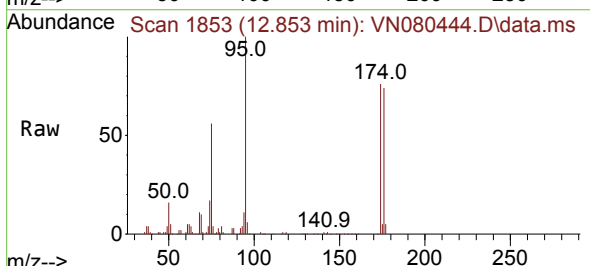
Instrument :
MSVOA_N
ClientSampleId :

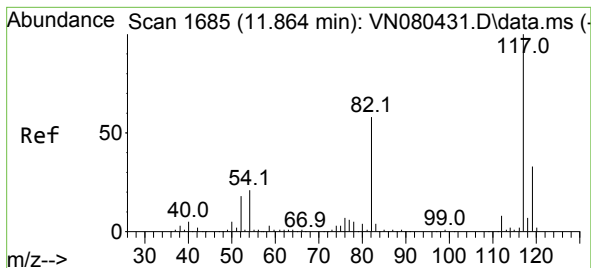
Tgt Ion: 43 Resp: 2167
Ion Ratio Lower Upper
43 100
58 173.8 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 61.871 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080444.D
Acq: 12 Dec 2023 17:50

Tgt Ion: 95 Resp: 232548
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.8
176 72.6 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080444.D

Acq: 12 Dec 2023 17:50

Instrument :

MSVOA_N

ClientSampleId :

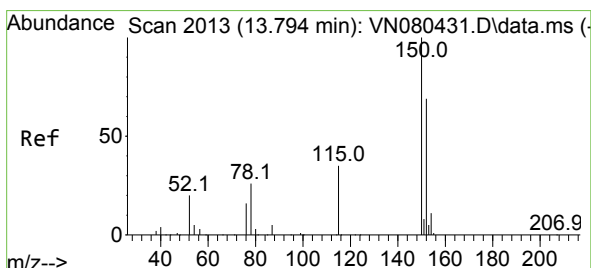
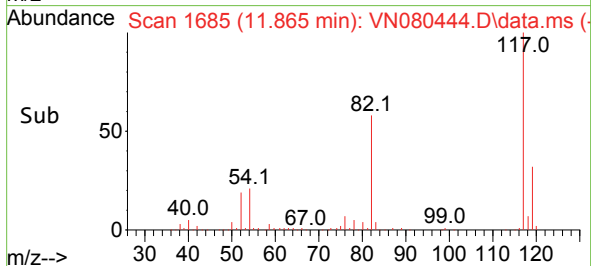
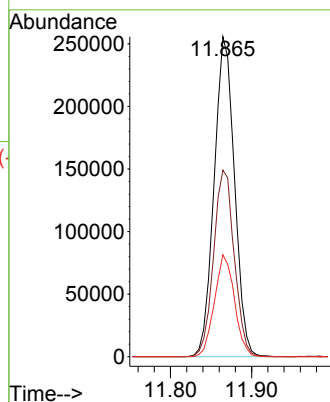
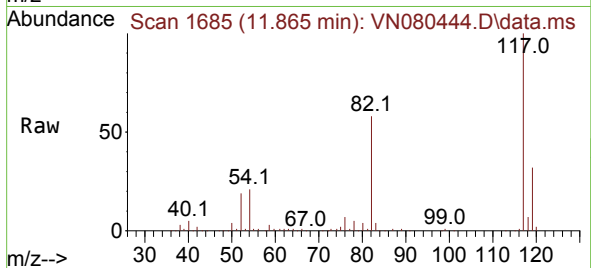
Tgt Ion:117 Resp: 445993

Ion Ratio Lower Upper

117 100

82 58.3 44.0 66.0

119 31.8 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: VN080444.D

Acq: 12 Dec 2023 17:50

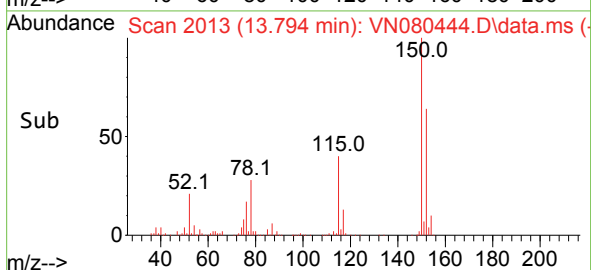
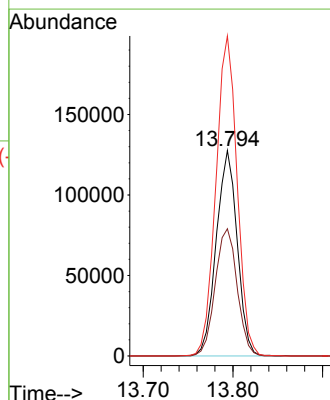
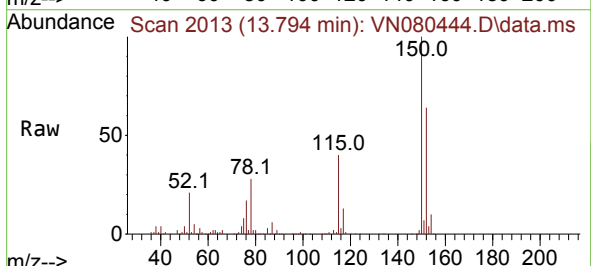
Tgt Ion:152 Resp: 207006

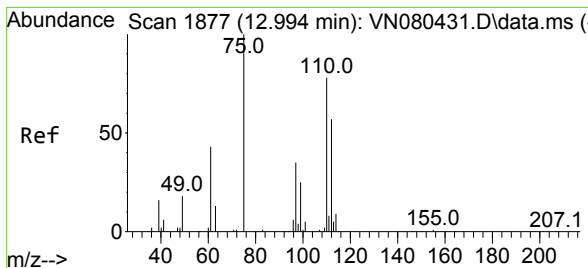
Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 157.3 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 30.364 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080444.D

Acq: 12 Dec 2023 17:50

Instrument :

MSVOA_N

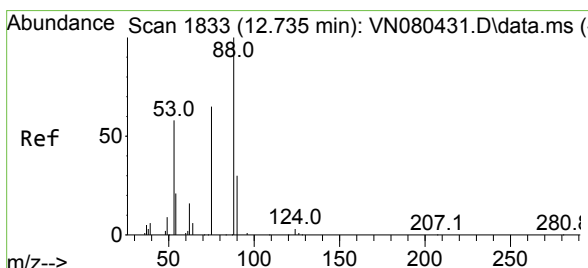
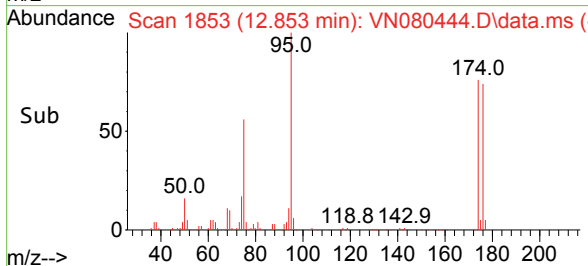
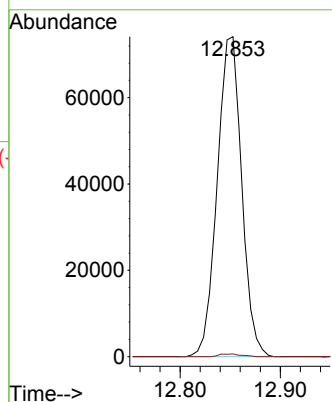
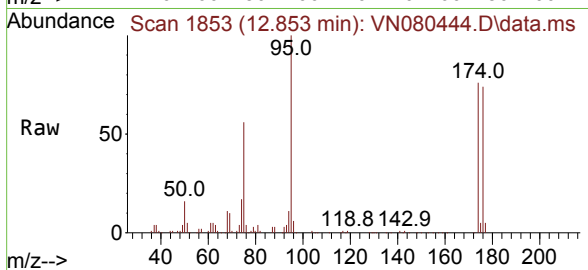
ClientSampleId :

Tgt Ion: 75 Resp: 125393

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.723 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN080444.D

Acq: 12 Dec 2023 17:50

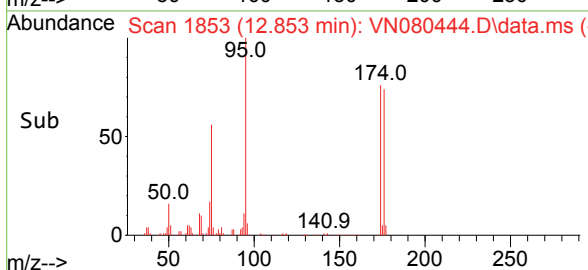
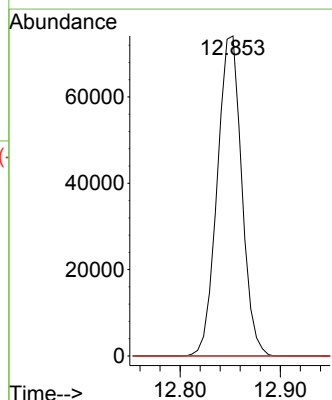
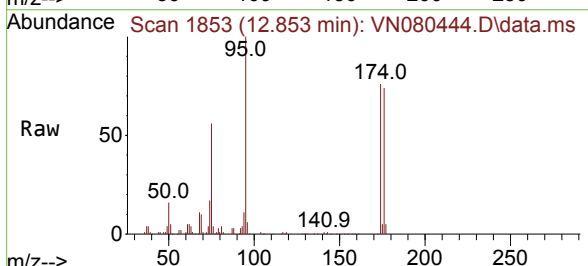
Tgt Ion: 75 Resp: 125393

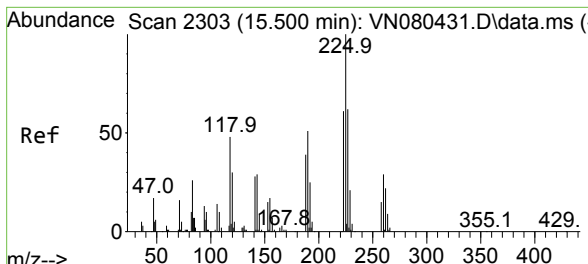
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

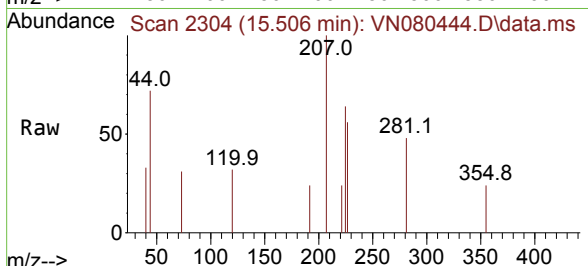
89 0.0 38.8 58.2#





#94
 Hexachlorobutadiene
 Concen: 0.249 ug/l
 RT: 15.506 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080444.D
 Acq: 12 Dec 2023 17:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	225	Resp:	539
Ion	Ratio	Lower	Upper
225	100		
223	41.0	31.3	93.8
227	48.6	31.9	95.9

