

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080550.D
 Acq On : 20 Dec 2023 16:31
 Operator : JC\MD
 Sample : 05873-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:44:41 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)

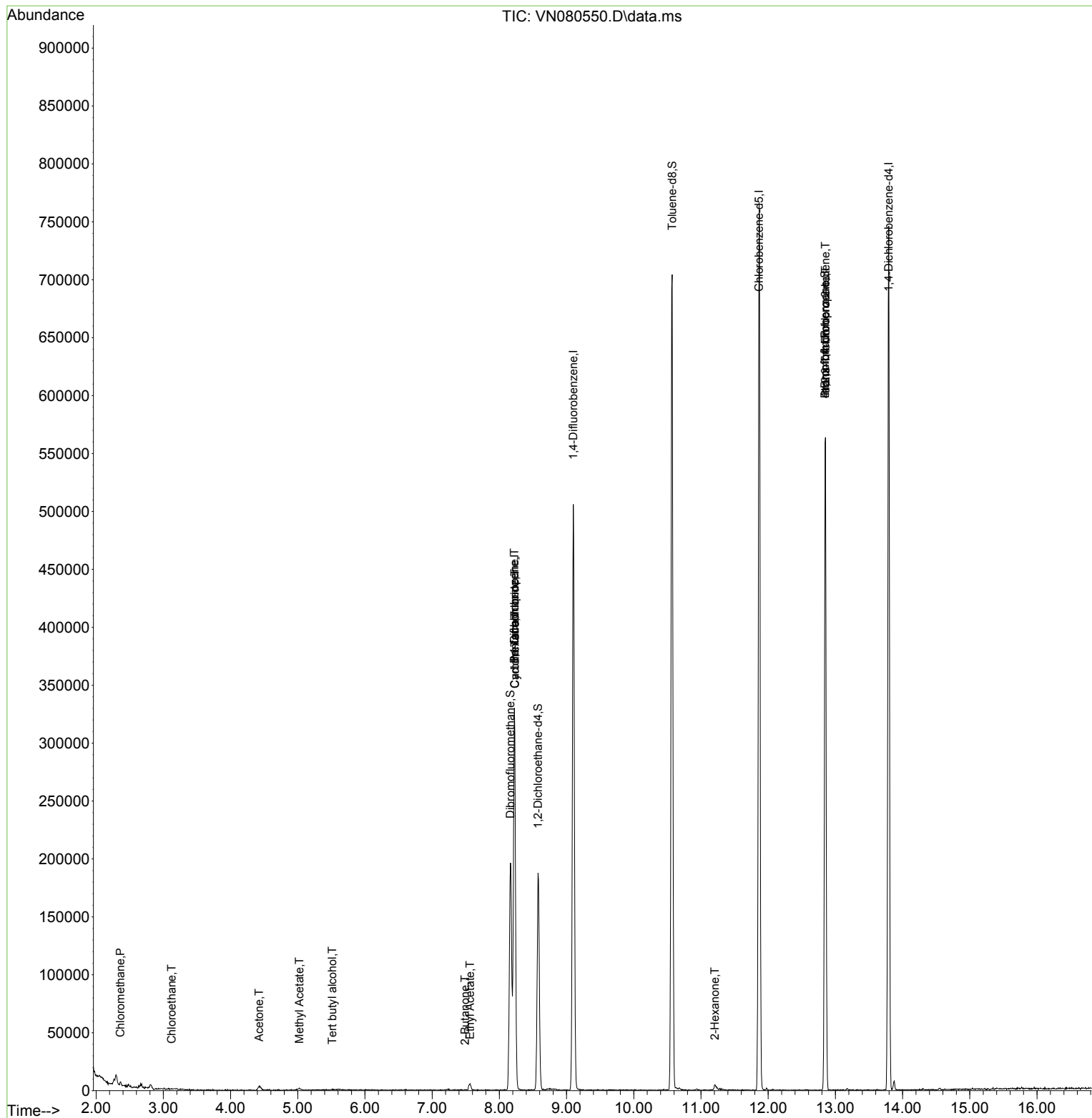
Internal Standards						
1) Pentafluorobenzene	8.224	168	228381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	432421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	453120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	167193	57.318	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.640%	
35) Dibromofluoromethane	8.165	113	140622	51.290	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.580%	
50) Toluene-d8	10.571	98	501353	49.031	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.847	95	200054	51.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	3324	0.691	ug/l	98
6) Chloroethane	3.124	64	348	0.217	ug/l #	43
11) Tert butyl alcohol	5.512	59	321	0.934	ug/l #	72
16) Acetone	4.424	43	6908	13.356	ug/l #	79
18) Methyl Acetate	5.024	43	2736	0.822	ug/l	91
25) 2-Butanone	7.488	43	308	0.309	ug/l #	37
31) Cyclohexane	8.229	56	4675	1.179	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	18671	4.165	ug/l #	48
37) Ethyl Acetate	7.565	43	7659	2.728	ug/l #	84
38) Carbon Tetrachloride	8.229	117	26345	4.918	ug/l #	17
59) 2-Hexanone	11.206	43	2038	0.993	ug/l #	19
71) Bromoform	12.847	173	832	0.288	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107282	26.439	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107282	69.418	ug/l #	15

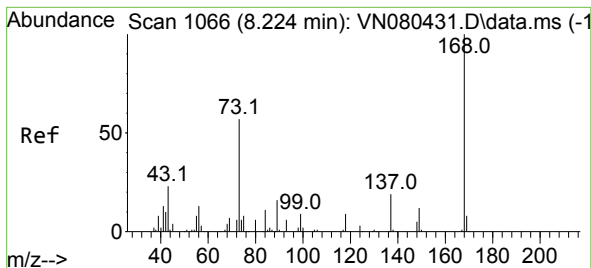
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
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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: VN080550.D

Acq: 20 Dec 2023 16:31

Instrument :

MSVOA_N

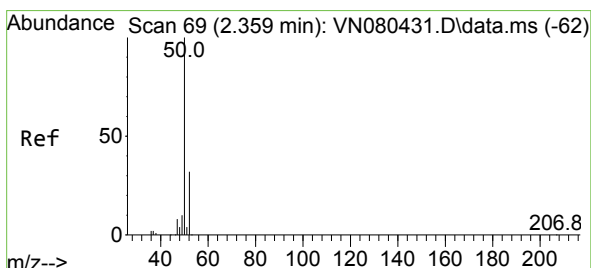
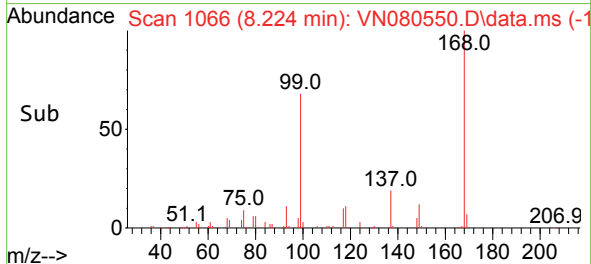
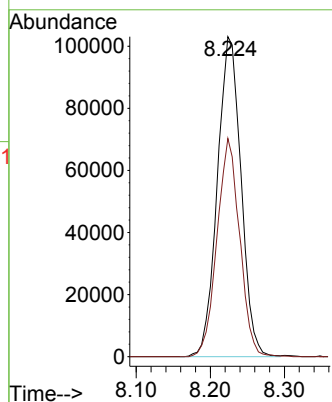
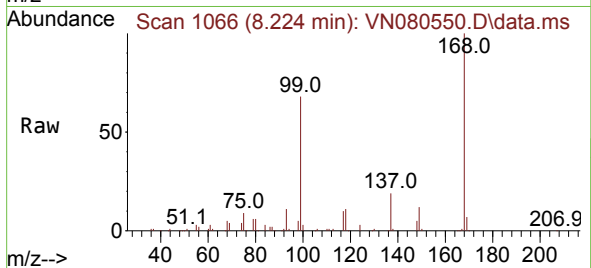
ClientSampleId :

Tgt Ion:168 Resp: 228381

Ion Ratio Lower Upper

168 100

99 68.2 53.0 79.6



#3

Chloromethane

Concen: 0.691 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080550.D

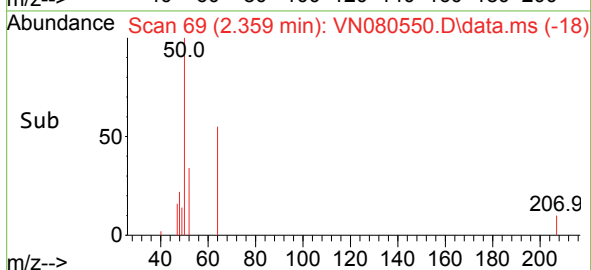
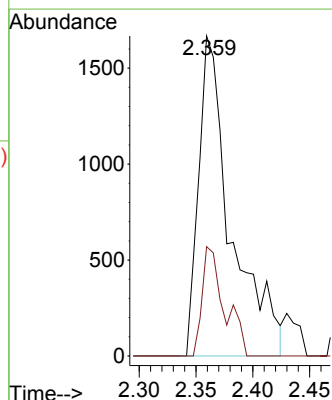
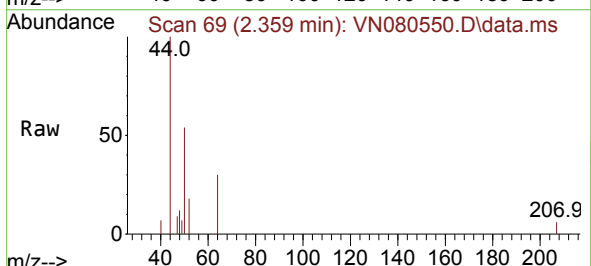
Acq: 20 Dec 2023 16:31

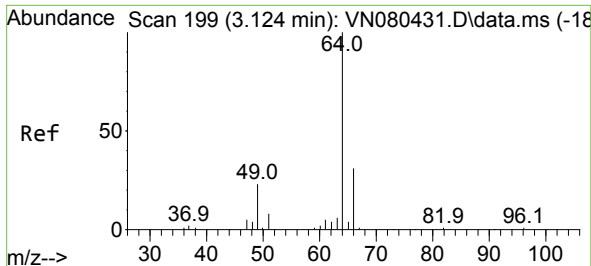
Tgt Ion: 50 Resp: 3324

Ion Ratio Lower Upper

50 100

52 34.2 26.5 39.7

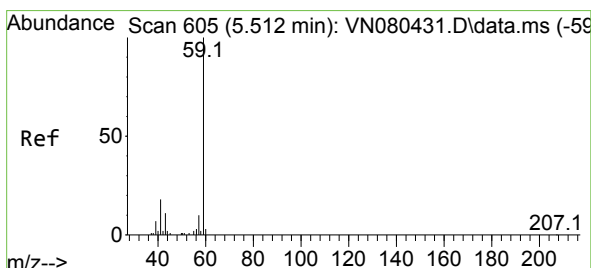
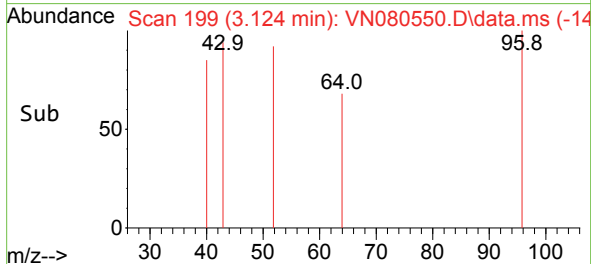
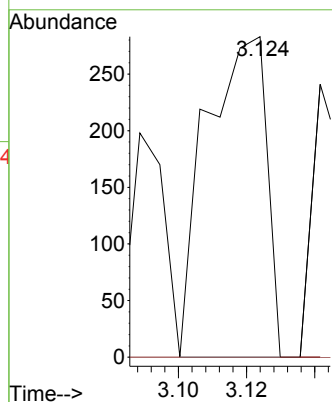
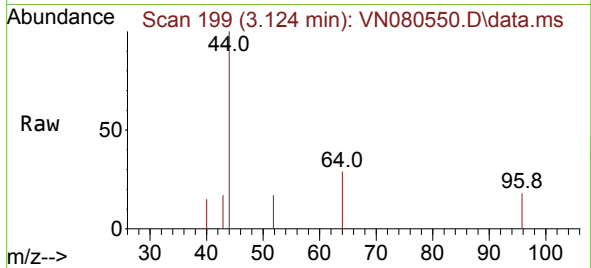




#6
Chloroethane
Concen: 0.217 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

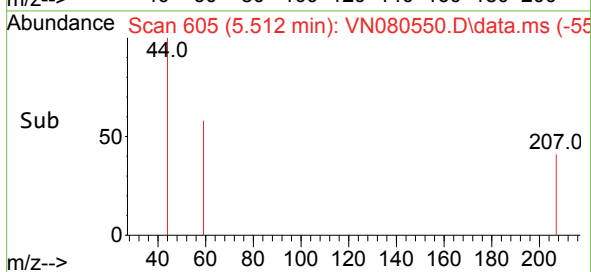
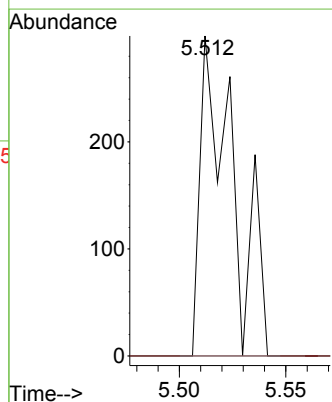
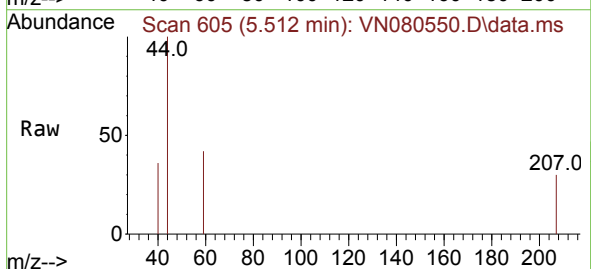
Instrument :
MSVOA_N
ClientSampleId :

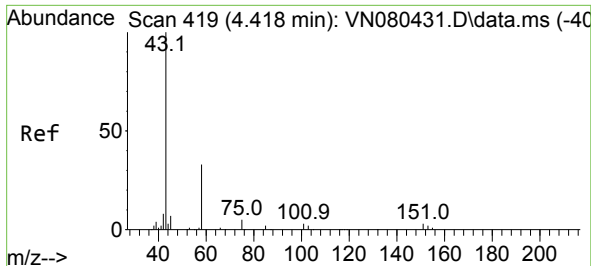
Tgt Ion: 64 Resp: 348
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.934 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

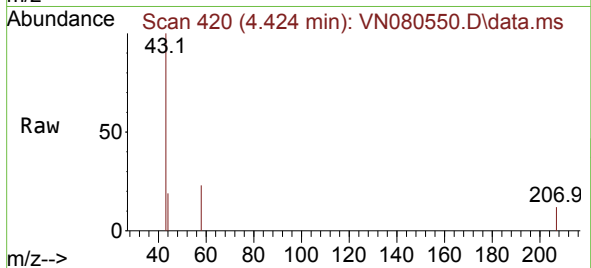
Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



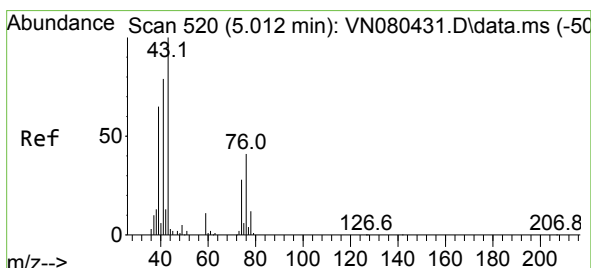
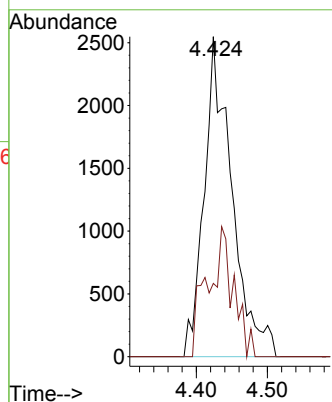
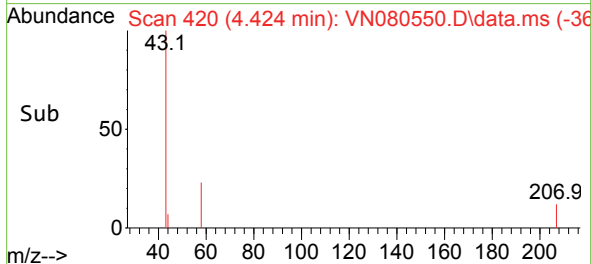


#16
Acetone
Concen: 13.356 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

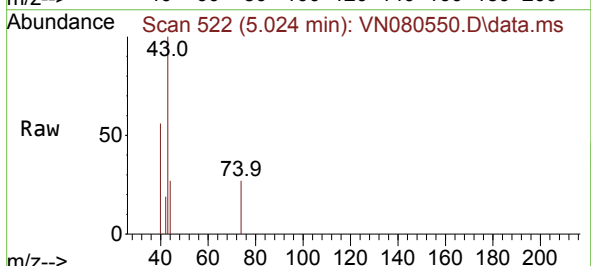
Instrument :
MSVOA_N
ClientSampleId :



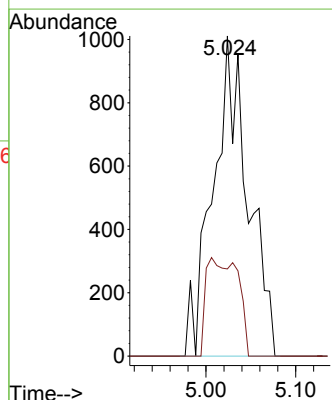
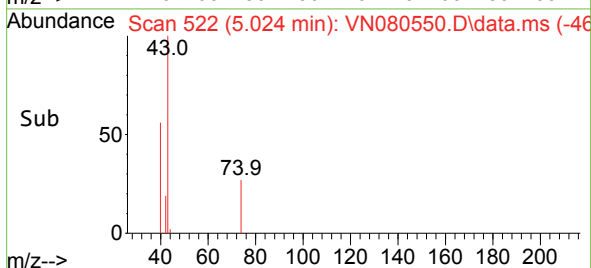
Tgt Ion: 43 Resp: 6908
Ion Ratio Lower Upper
43 100
58 22.9 28.0 42.0#

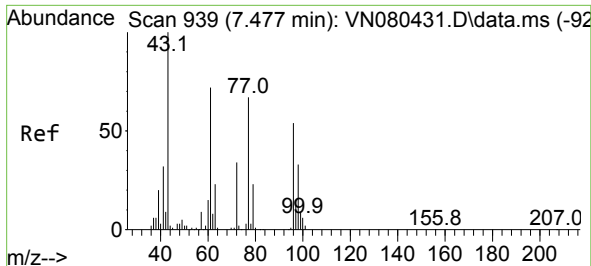


#18
Methyl Acetate
Concen: 0.822 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31



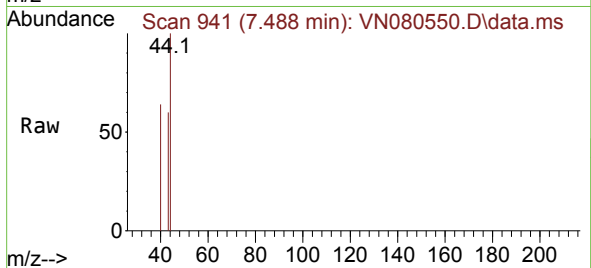
Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
74 27.9 26.2 39.4



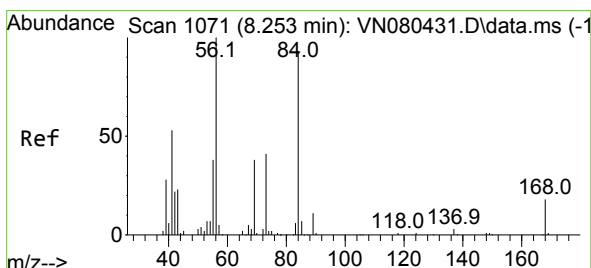
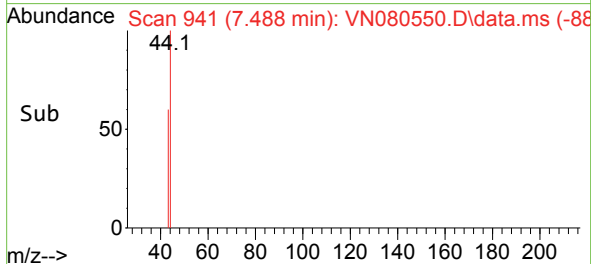
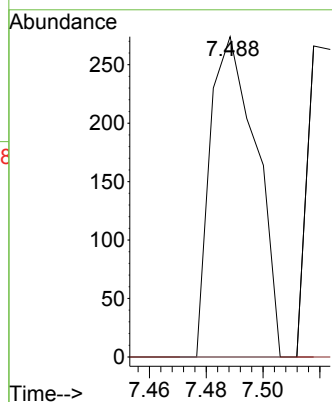


#25
2-Butanone
Concen: 0.309 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

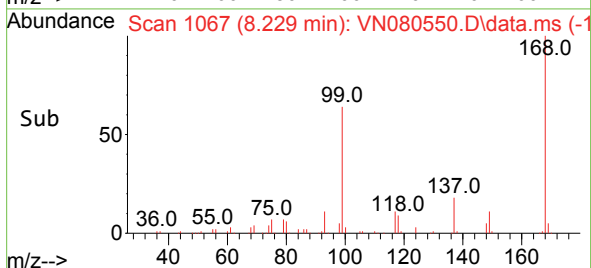
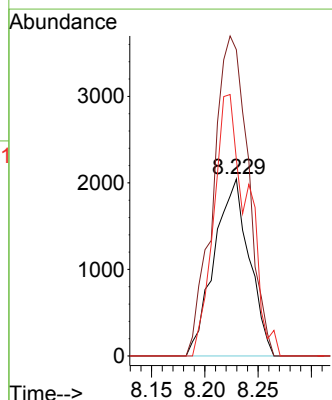
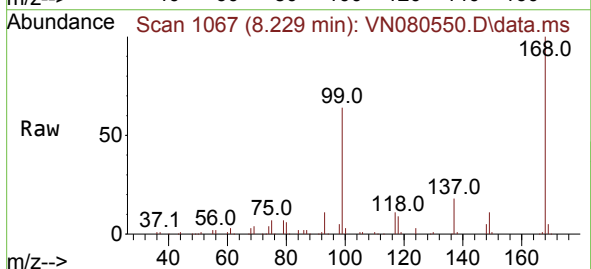


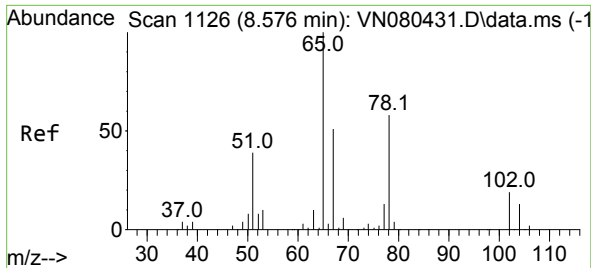
Tgt Ion: 43 Resp: 308
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Tgt Ion: 56 Resp: 4675
Ion Ratio Lower Upper
56 100
69 173.1 26.8 40.2#
84 111.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 57.318 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080550.D

Acq: 20 Dec 2023 16:31

Instrument :

MSVOA_N

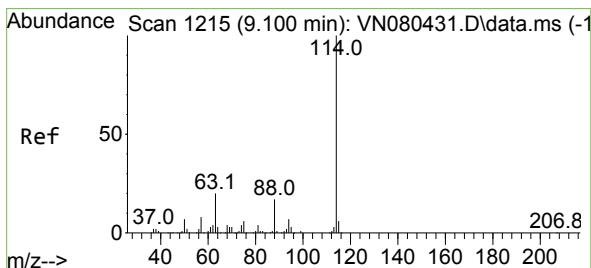
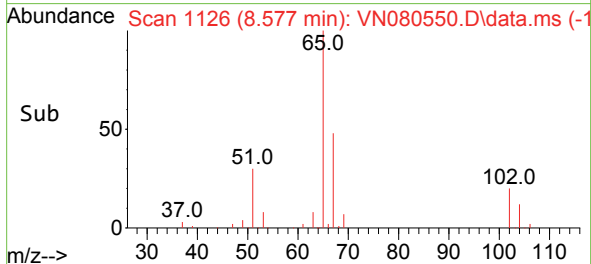
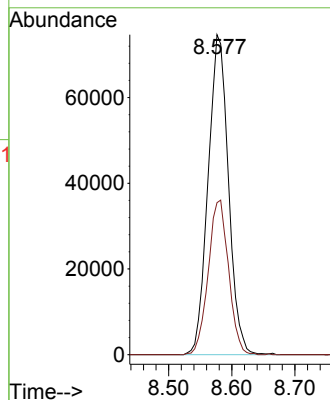
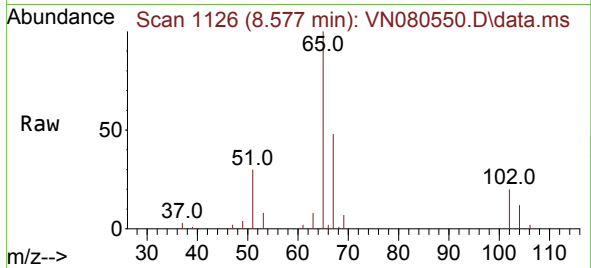
ClientSampleId :

Tgt Ion: 65 Resp: 167193

Ion Ratio Lower Upper

65 100

67 48.2 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: VN080550.D

Acq: 20 Dec 2023 16:31

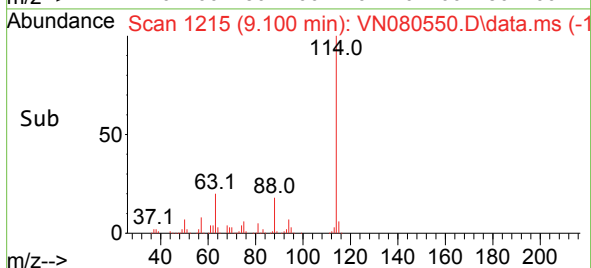
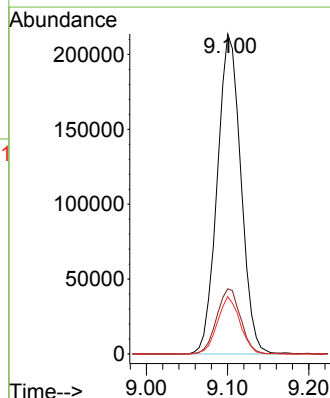
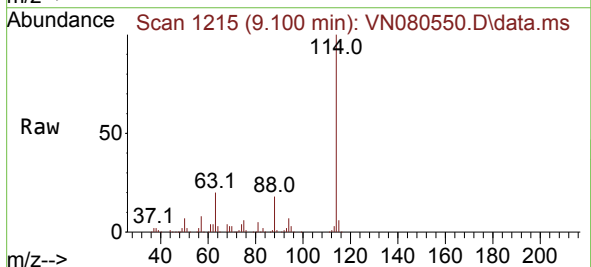
Tgt Ion: 114 Resp: 432421

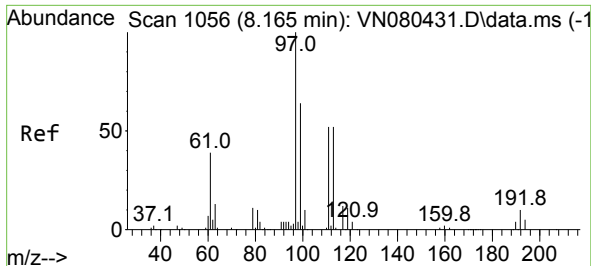
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

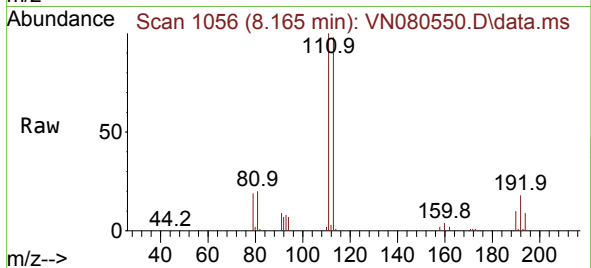
88 17.9 0.0 30.6



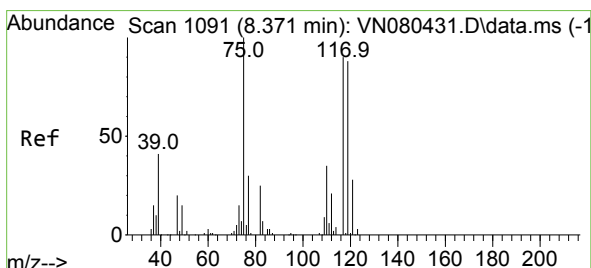
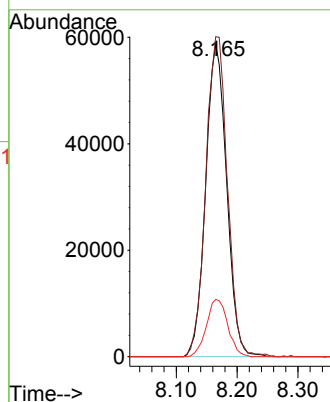
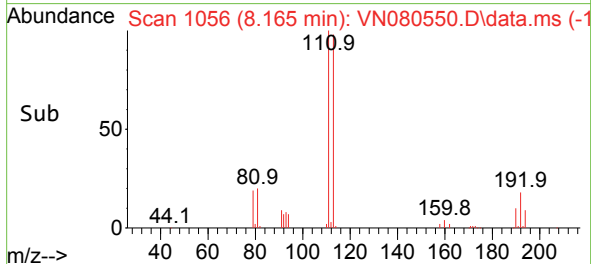


#35
Dibromofluoromethane
Concen: 51.290 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

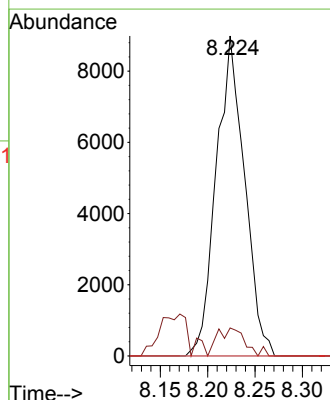
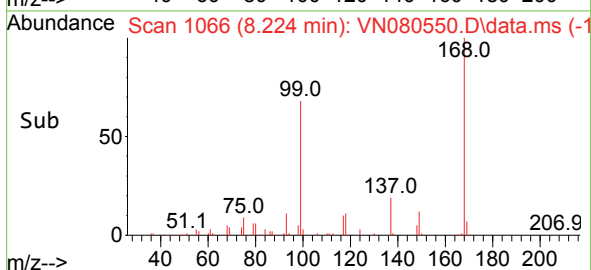
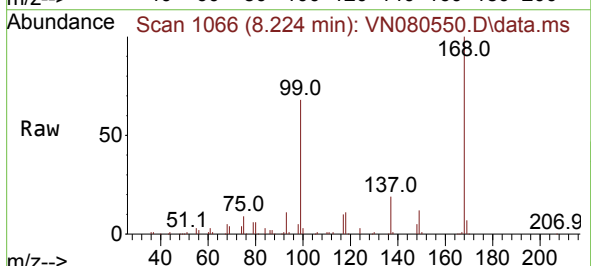


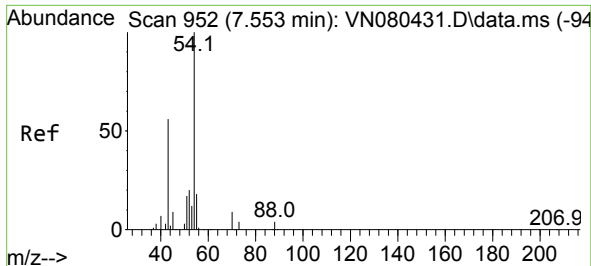
Tgt Ion:113 Resp: 140622
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 18.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.165 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

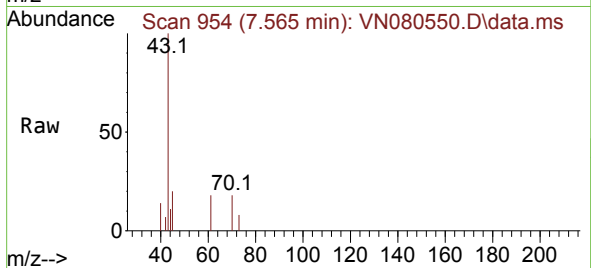
Tgt Ion: 75 Resp: 18671
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#



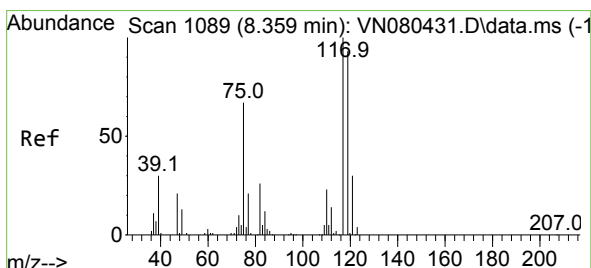
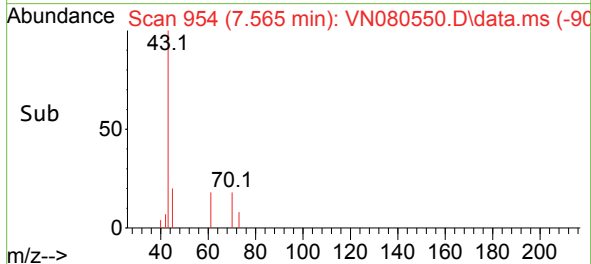
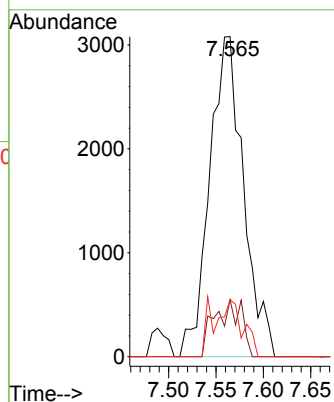


#37
Ethyl Acetate
Concen: 2.728 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

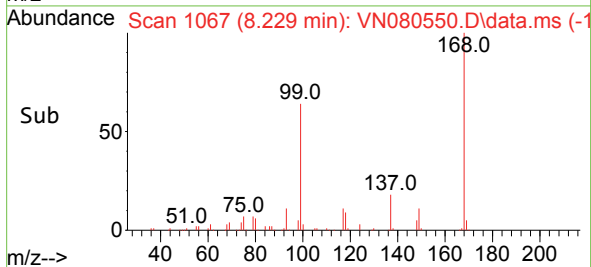
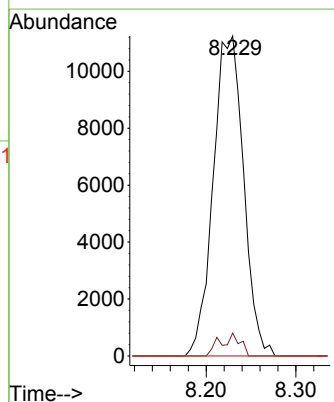
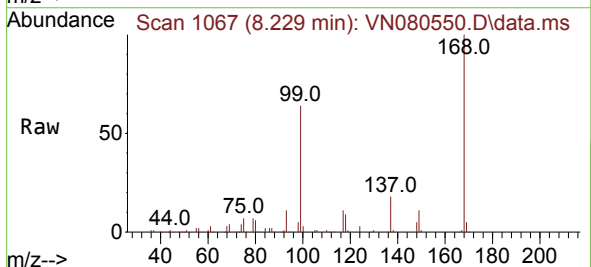


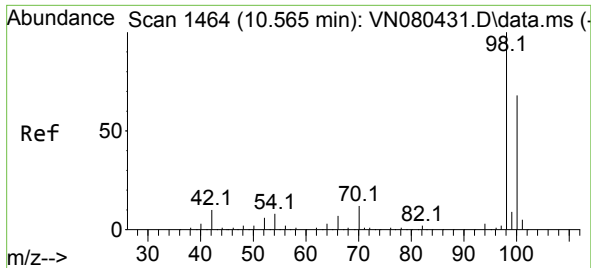
Tgt Ion: 43 Resp: 7659
Ion Ratio Lower Upper
43 100
61 7.3 13.2 19.8#
70 10.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.918 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Tgt Ion: 117 Resp: 26345
Ion Ratio Lower Upper
117 100
119 7.2 77.3 115.9#
121 0.0 23.3 34.9#

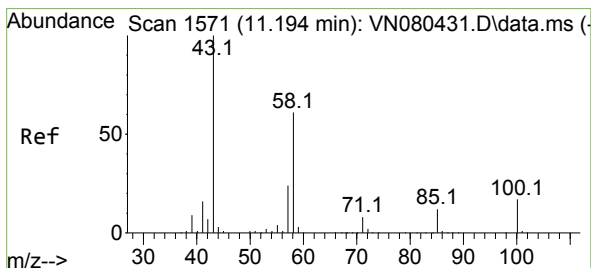
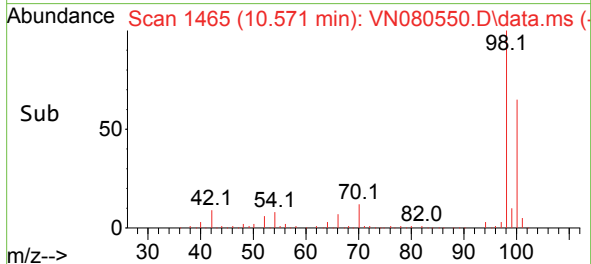
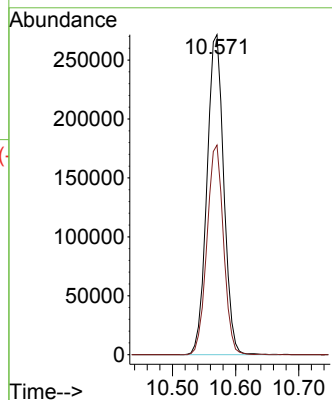
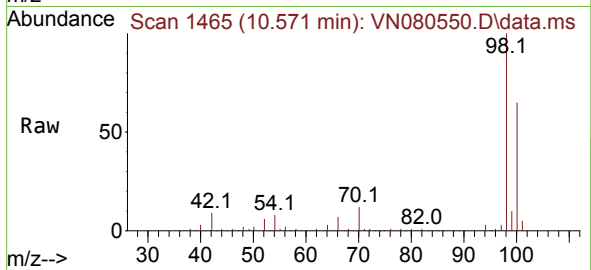




#50
Toluene-d8
Concen: 49.031 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

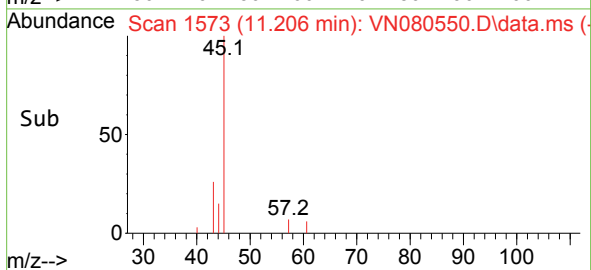
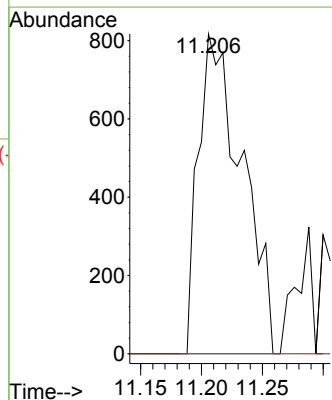
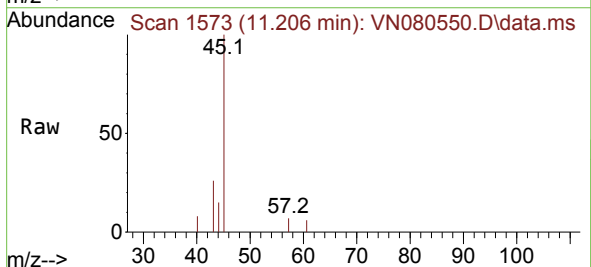
Instrument :
MSVOA_N
ClientSampleId :

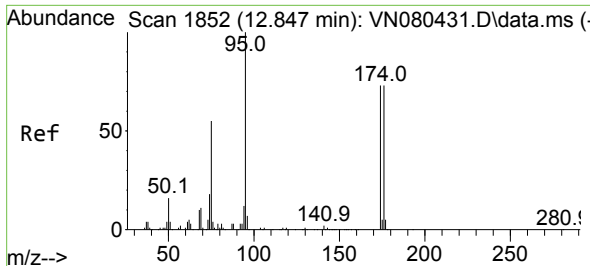
Tgt Ion: 98 Resp: 501353
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#59
2-Hexanone
Concen: 0.993 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Tgt Ion: 43 Resp: 2038
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

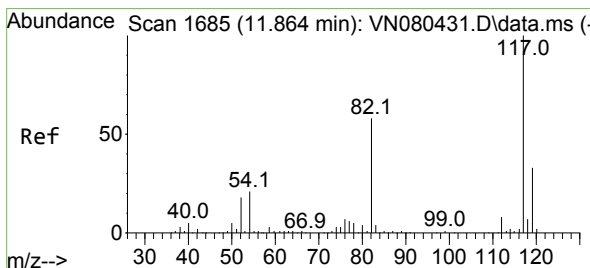
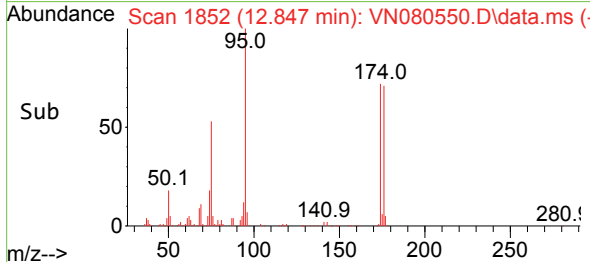
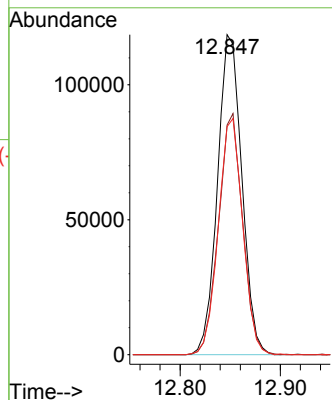
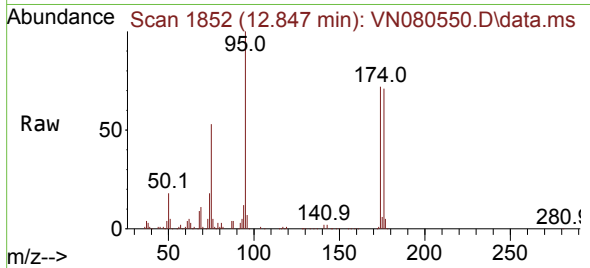




#62
4-Bromofluorobenzene
Concen: 51.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

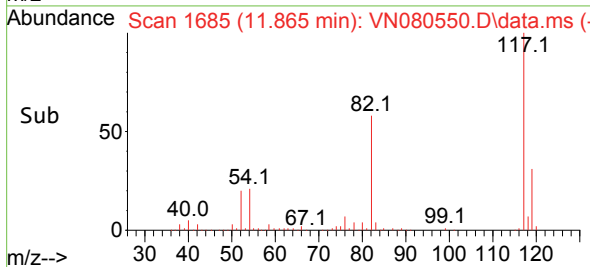
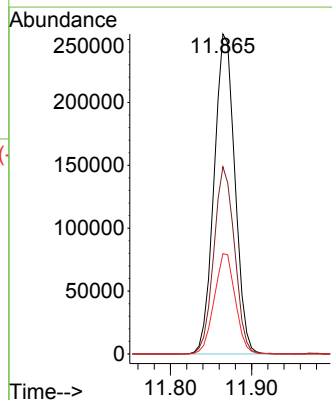
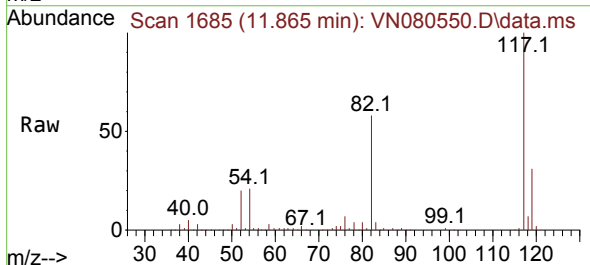
Instrument :
MSVOA_N
ClientSampleId :

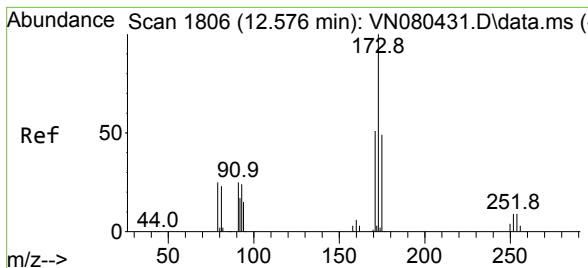
Tgt Ion: 95 Resp: 200054
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 73.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Tgt Ion: 117 Resp: 453120
Ion Ratio Lower Upper
117 100
82 58.5 44.0 66.0
119 31.3 25.6 38.4





#71

Bromoform

Concen: 0.288 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN080550.D

Acq: 20 Dec 2023 16:31

Instrument :

MSVOA_N

ClientSampleId :

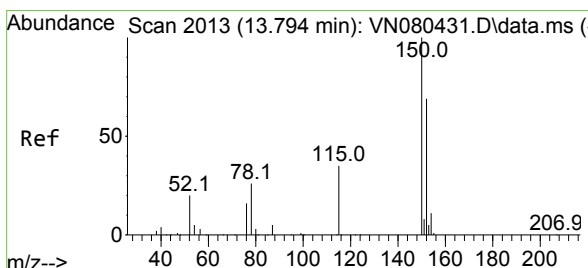
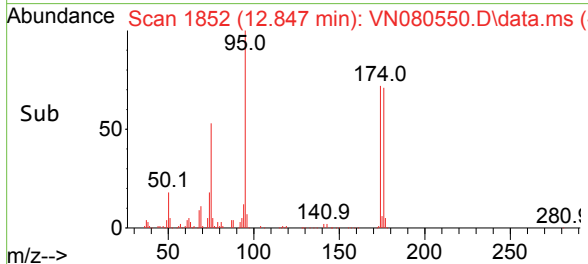
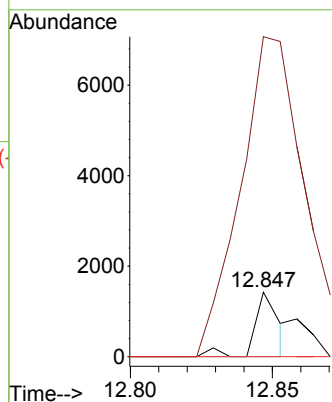
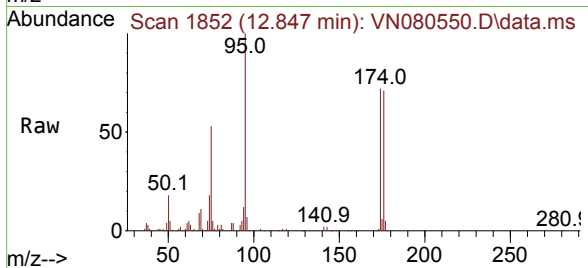
Tgt Ion:173 Resp: 832

Ion Ratio Lower Upper

173 100

175 941.3 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080550.D

Acq: 20 Dec 2023 16:31

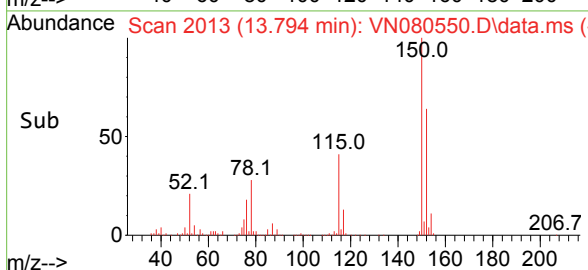
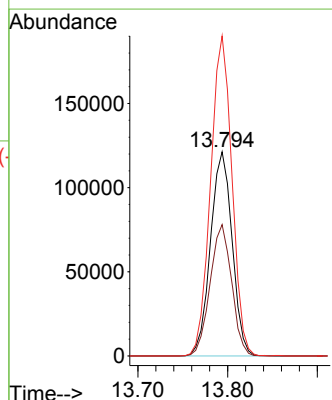
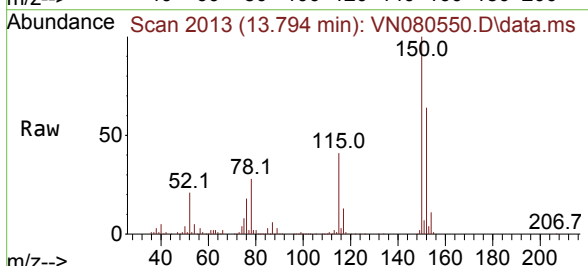
Tgt Ion:152 Resp: 203397

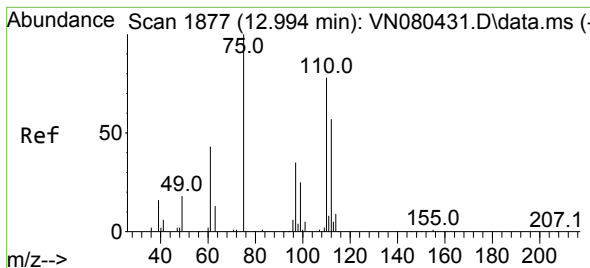
Ion Ratio Lower Upper

152 100

115 63.9 32.3 96.8

150 154.4 0.0 355.8

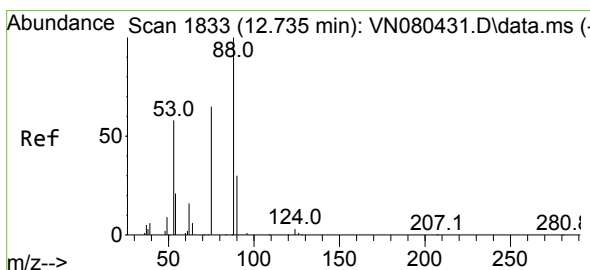
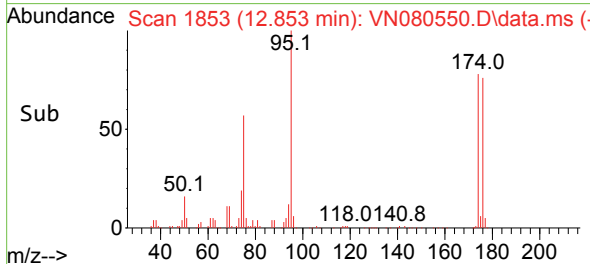
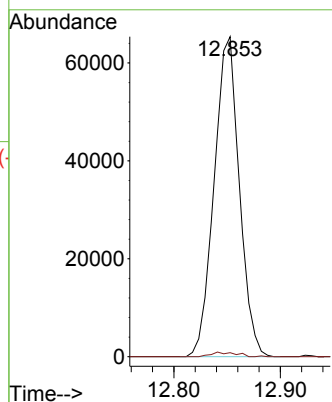
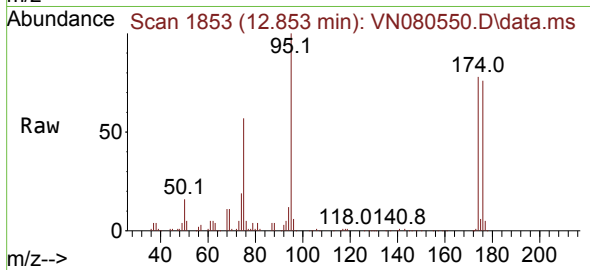




#76
1,2,3-Trichloropropane
Concen: 26.439 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 107282
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.418 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080550.D
Acq: 20 Dec 2023 16:31

Tgt Ion: 75 Resp: 107282
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

