

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080446.D
 Acq On : 12 Dec 2023 18:38
 Operator : JC\MD
 Sample : 05672-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 02:36:01 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)

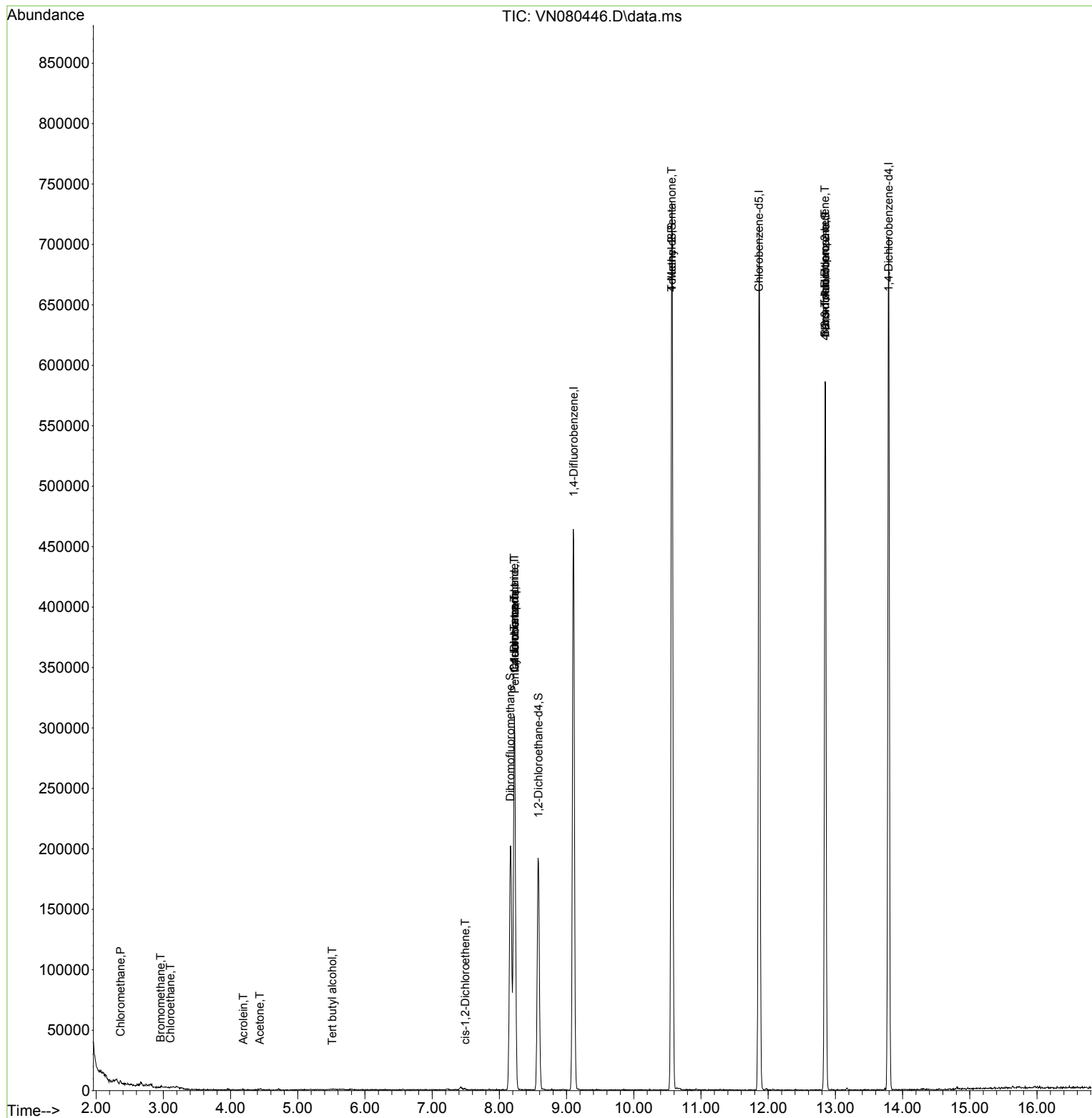
Internal Standards						
1) Pentafluorobenzene	8.230	168	220889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	404647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	417716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	188109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	170274	60.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.700%	
35) Dibromofluoromethane	8.165	113	148313	57.808	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.620%	
50) Toluene-d8	10.565	98	526614	55.036	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.080%	
62) 4-Bromofluorobenzene	12.853	95	213890	58.868	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2974	0.608	ug/l	93
5) Bromomethane	2.959	94	419	0.386	ug/l #	64
6) Chloroethane	3.106	64	500	0.323	ug/l #	43
11) Tert butyl alcohol	5.512	59	208	0.626	ug/l #	72
13) Acrolein	4.189	56	560	1.539	ug/l #	75
16) Acetone	4.436	43	1428	2.855	ug/l	88
27) cis-1,2-Dichloroethene	7.494	96	655	0.225	ug/l	73
31) Cyclohexane	8.224	56	4345	1.133	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	18116	4.319	ug/l #	52
38) Carbon Tetrachloride	8.224	117	25928	5.173	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	2008	0.772	ug/l #	1
71) Bromoform	12.847	173	669	0.252	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	114399	30.484	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	114399	80.039	ug/l #	15

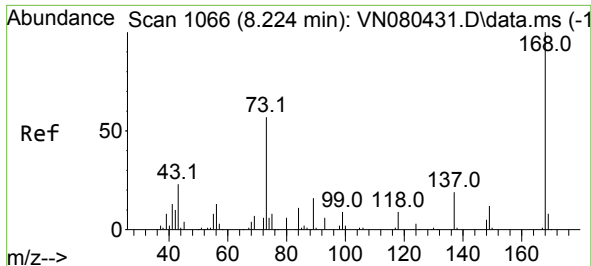
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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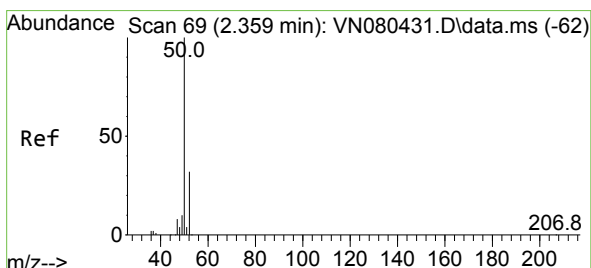
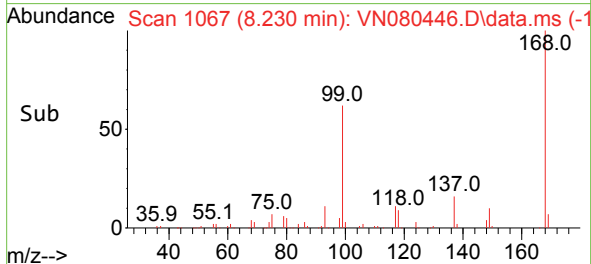
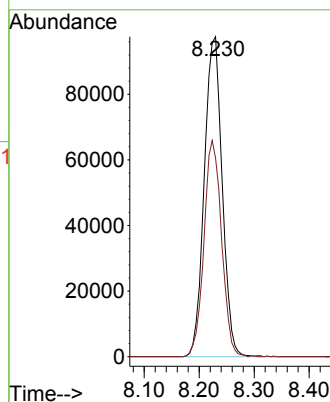
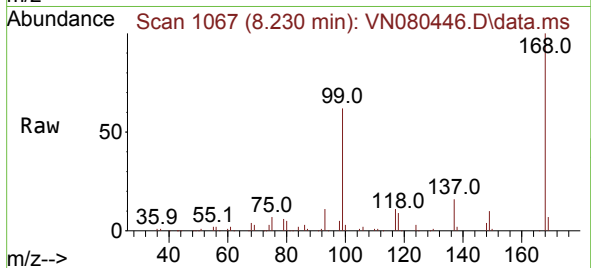




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

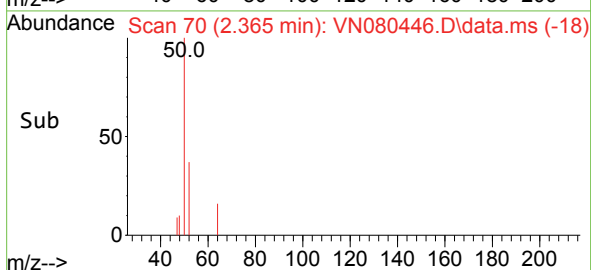
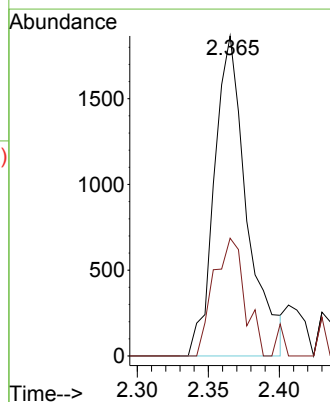
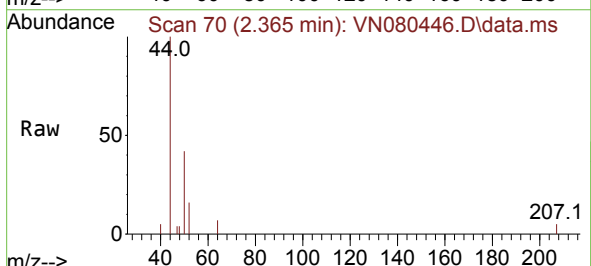
Instrument :
MSVOA_N
ClientSampleId :

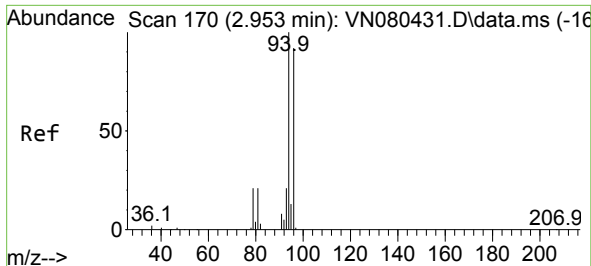
Tgt Ion:168 Resp: 220889
Ion Ratio Lower Upper
168 100
99 62.0 53.0 79.6



#3
Chloromethane
Concen: 0.608 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Tgt Ion: 50 Resp: 2974
Ion Ratio Lower Upper
50 100
52 36.8 26.5 39.7

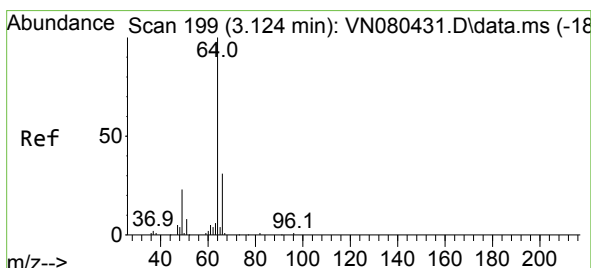
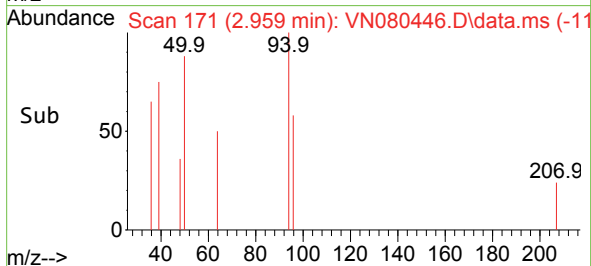
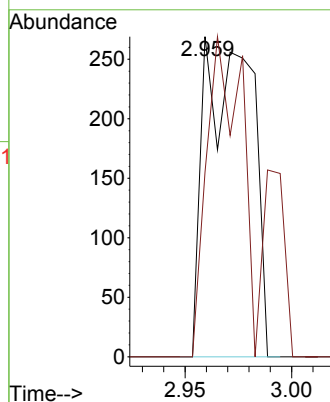
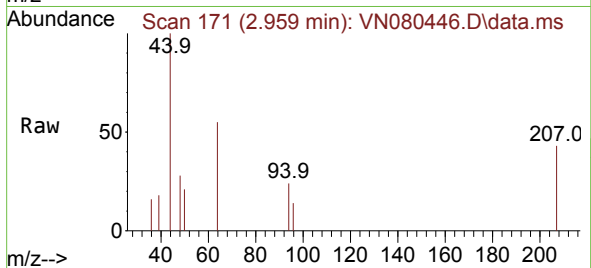




#5
Bromomethane
Concen: 0.386 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

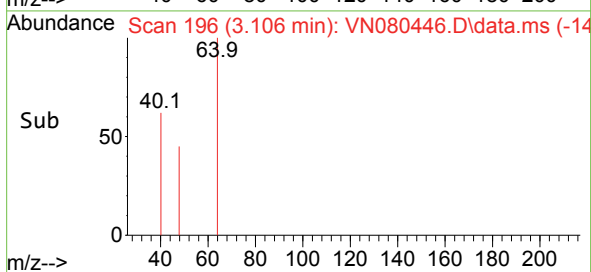
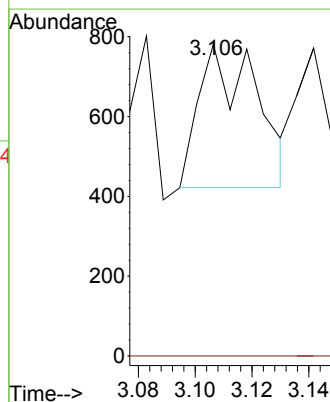
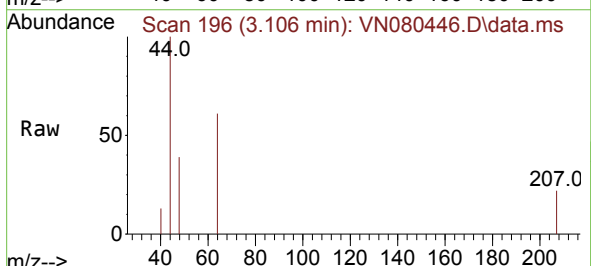
Instrument :
MSVOA_N
ClientSampleId :

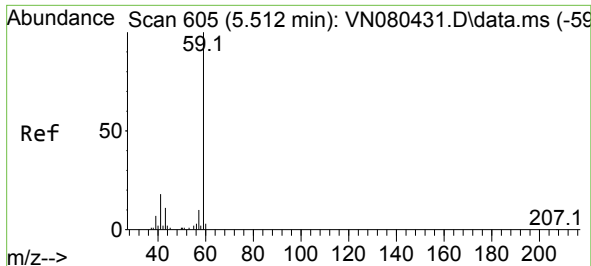
Tgt Ion: 94 Resp: 419
Ion Ratio Lower Upper
94 100
96 57.6 73.1 109.7#



#6
Chloroethane
Concen: 0.323 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.017 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Tgt Ion: 64 Resp: 500
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.626 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Instrument :

MSVOA_N

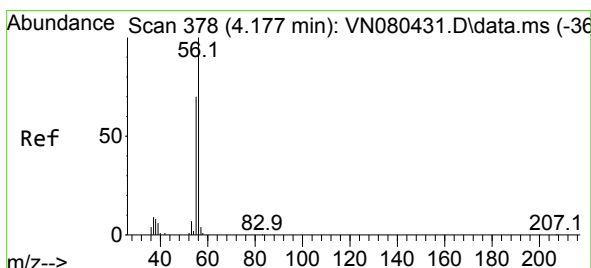
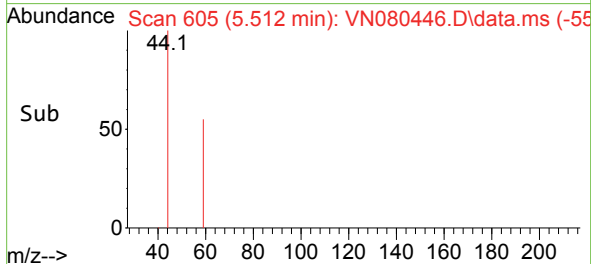
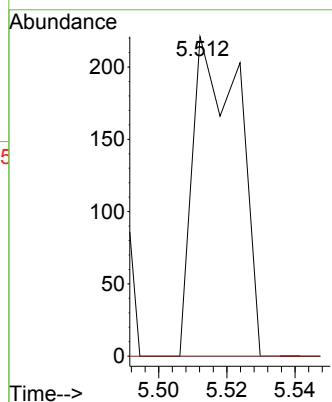
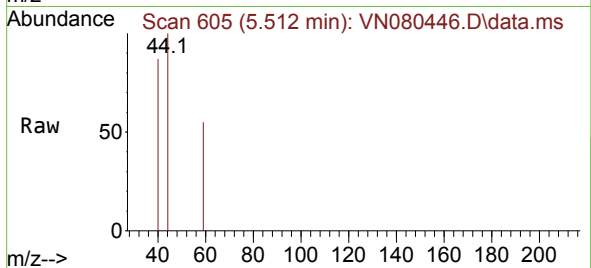
ClientSampleId :

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 1.539 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN080446.D

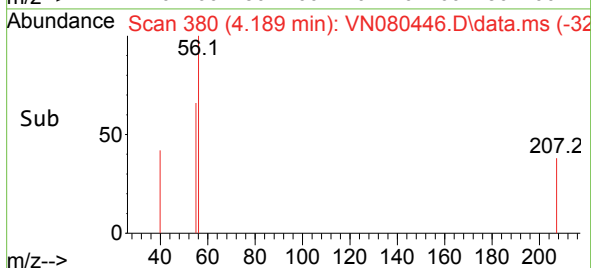
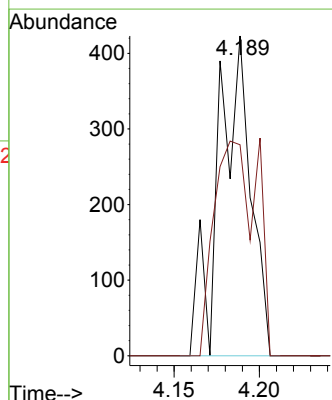
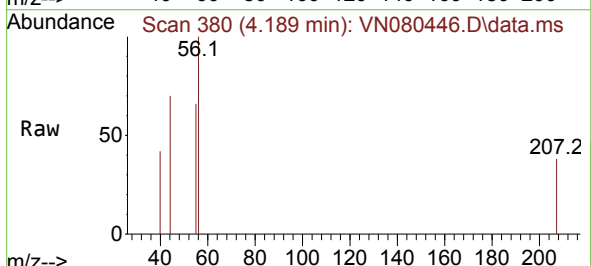
Acq: 12 Dec 2023 18:38

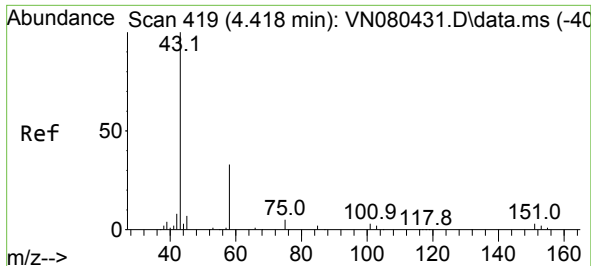
Tgt Ion: 56 Resp: 560

Ion Ratio Lower Upper

56 100

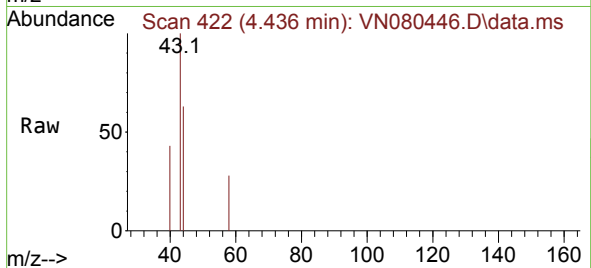
55 88.6 54.5 81.7#



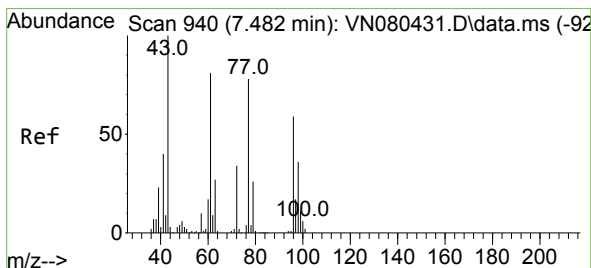
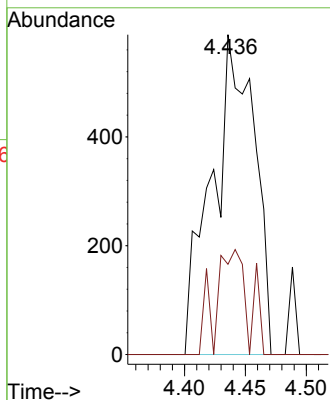
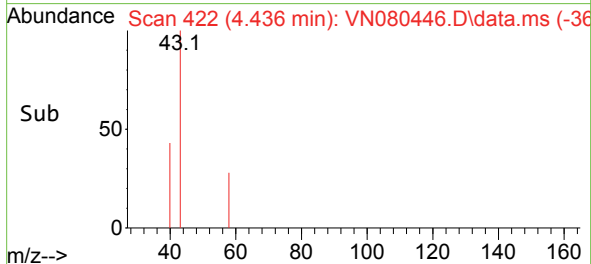


#16
Acetone
Concen: 2.855 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Instrument :
MSVOA_N
ClientSampleId :

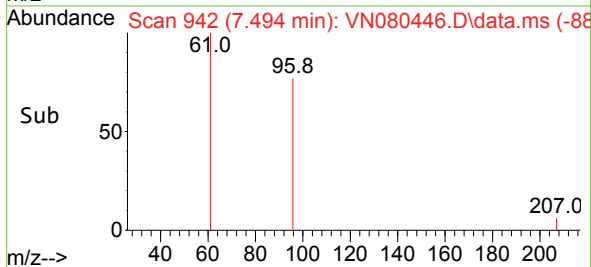
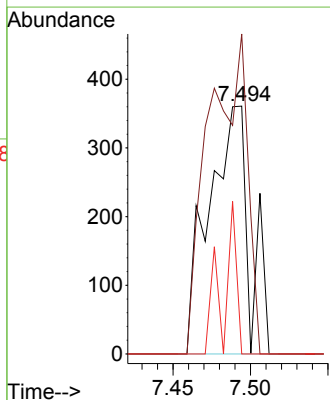
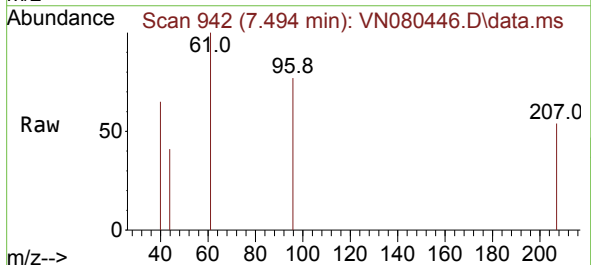


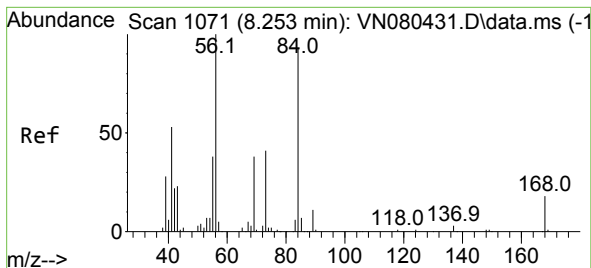
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 28.2 28.0 42.0



#27
cis-1,2-Dichloroethene
Concen: 0.225 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Tgt Ion: 96 Resp: 655
Ion Ratio Lower Upper
96 100
61 122.1 0.0 255.2
98 8.4 0.0 128.8





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

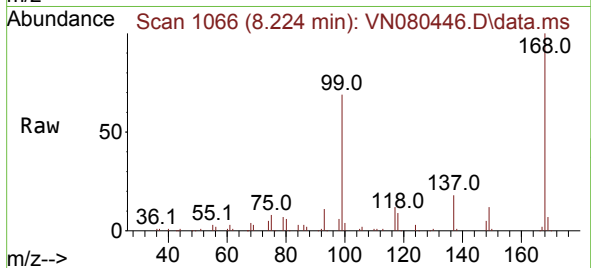
Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

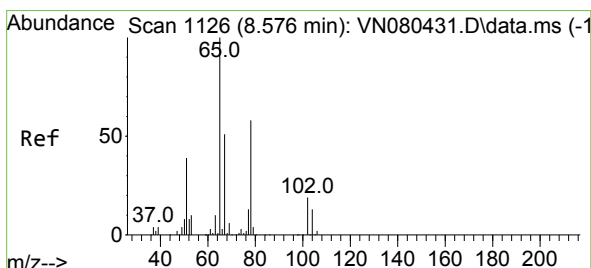
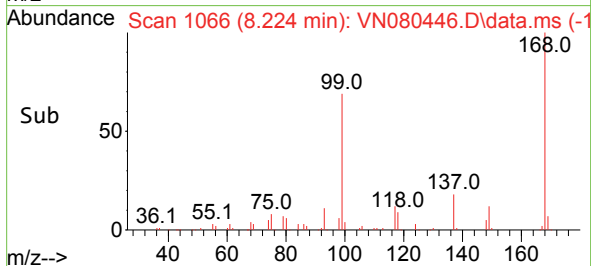
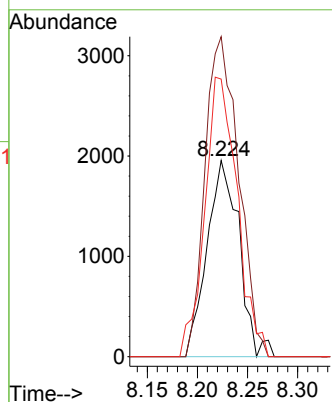
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4345
Ion	Ratio	Lower	Upper
56	100		
69	163.2	26.8	40.2#
84	141.6	81.8	122.6#



#33

1,2-Dichloroethane-d4

Concen: 60.354 ug/l

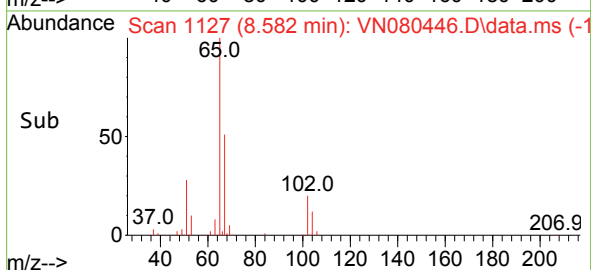
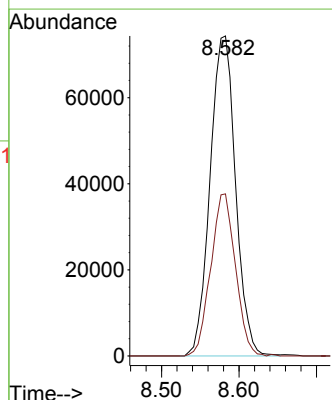
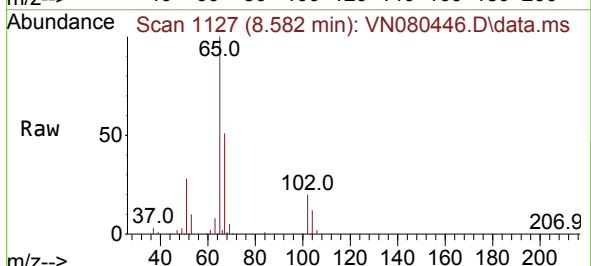
RT: 8.582 min Scan# 1127

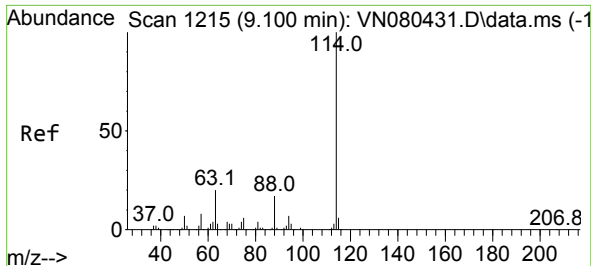
Delta R.T. 0.006 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

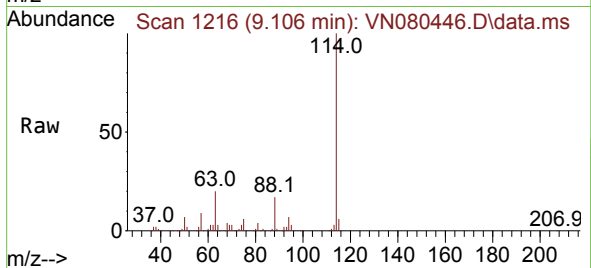
Tgt Ion:	65	Resp:	170274
Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	106.6



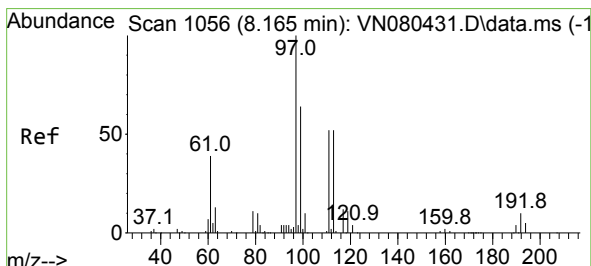
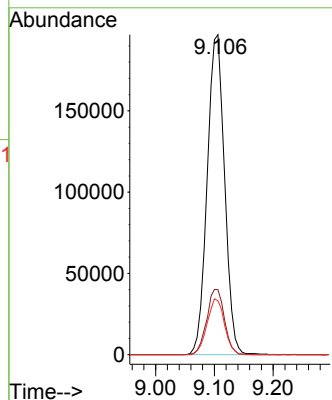
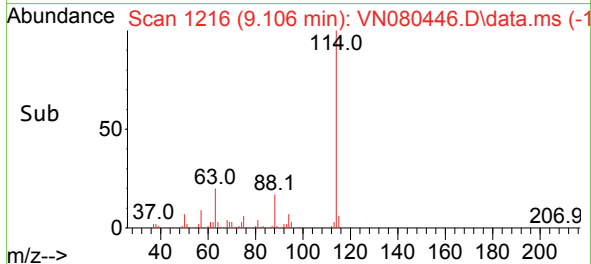


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

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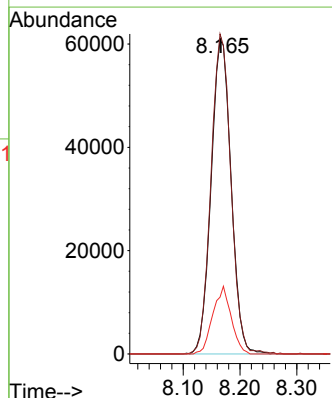
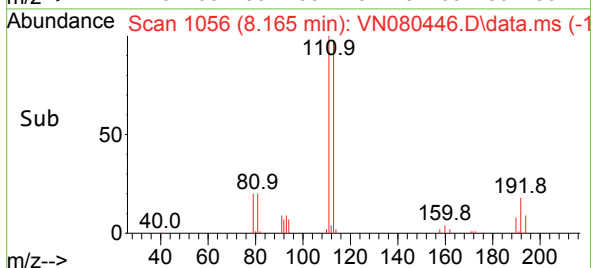
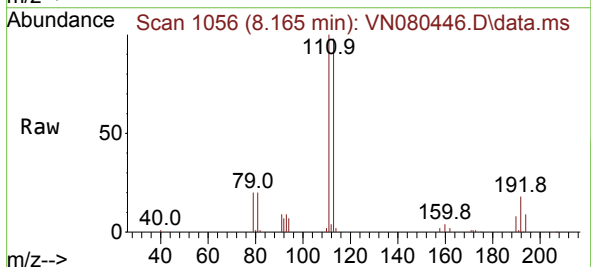


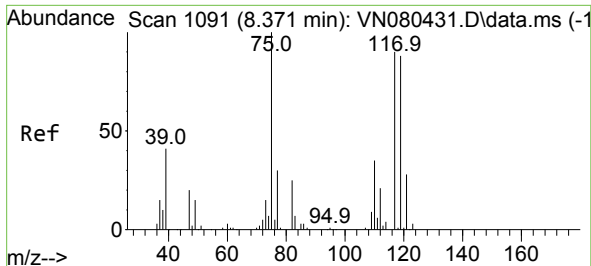
Tgt Ion:114 Resp: 404647
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.4
88 16.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 57.808 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Tgt Ion:113 Resp: 148313
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 19.8 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.319 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

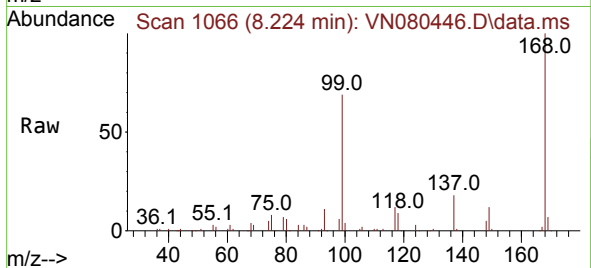
Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :



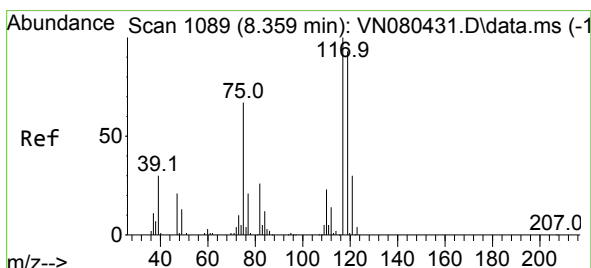
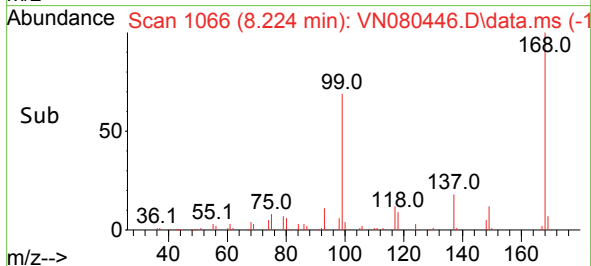
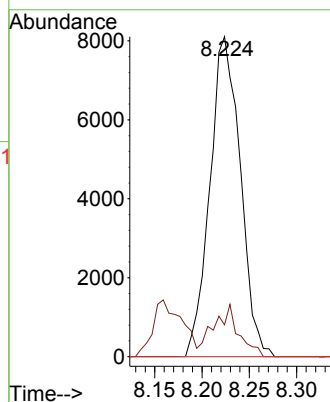
Tgt Ion: 75 Resp: 18116

Ion Ratio Lower Upper

75 100

110 13.4 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.173 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

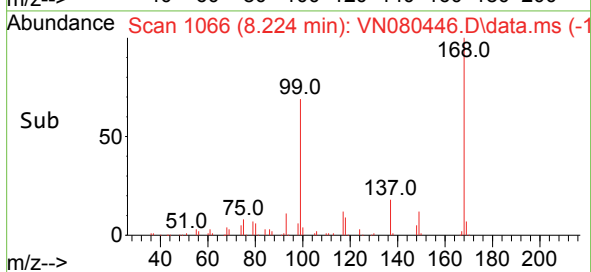
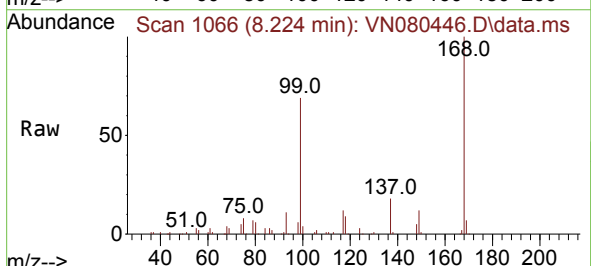
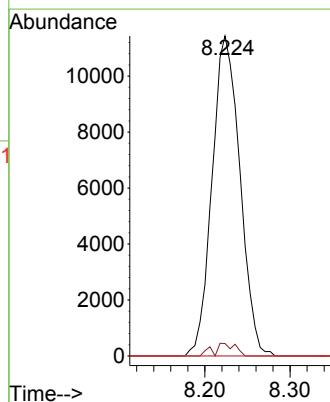
Tgt Ion: 117 Resp: 25928

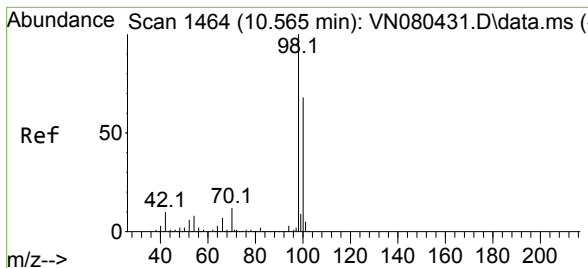
Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 23.3 34.9#





#50

Toluene-d8

Concen: 55.036 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Instrument :

MSVOA_N

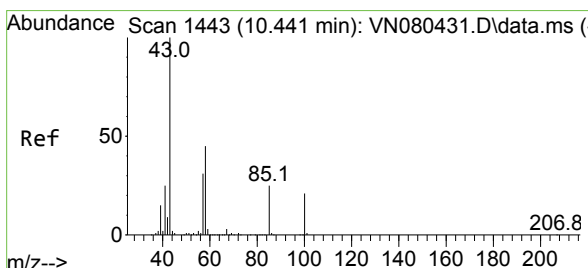
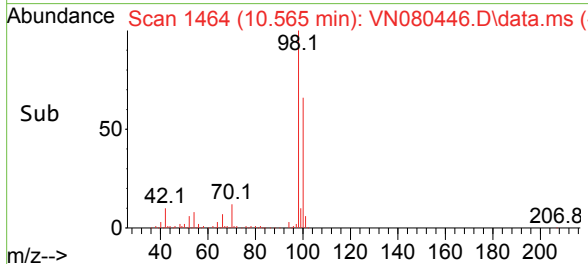
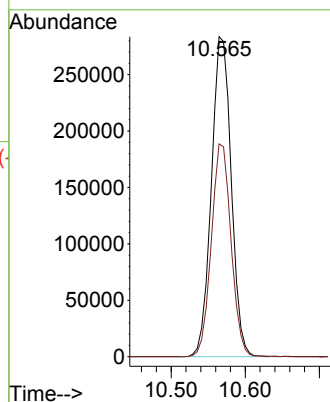
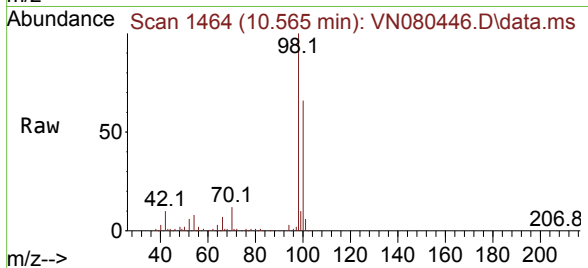
ClientSampleId :

Tgt Ion: 98 Resp: 526614

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.772 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN080446.D

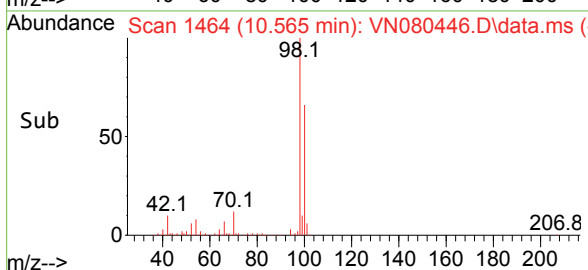
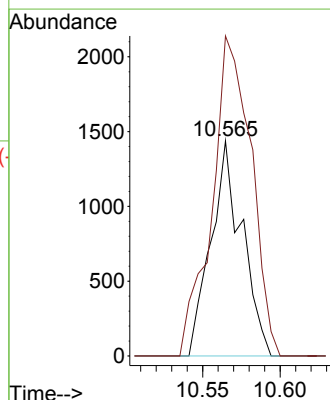
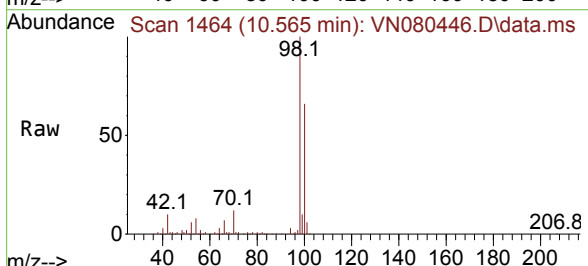
Acq: 12 Dec 2023 18:38

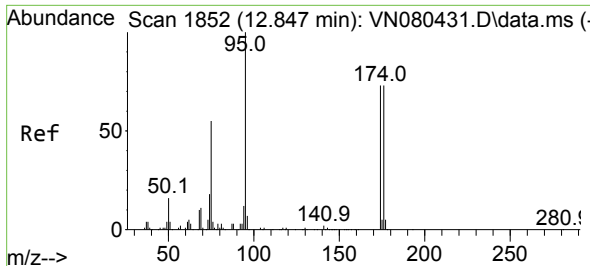
Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

43 100

58 187.1 36.6 54.8#

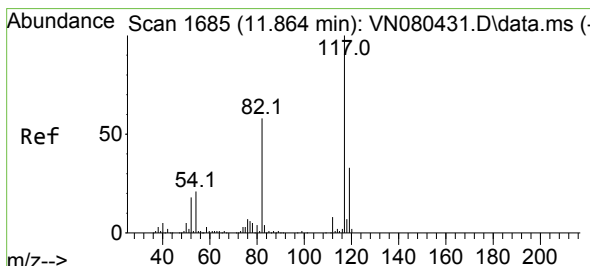
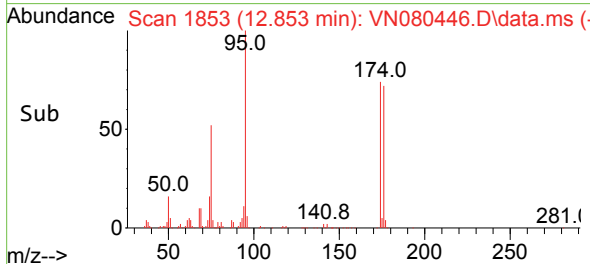
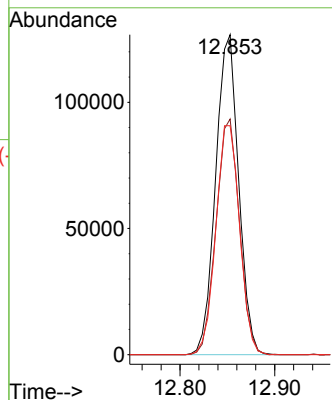
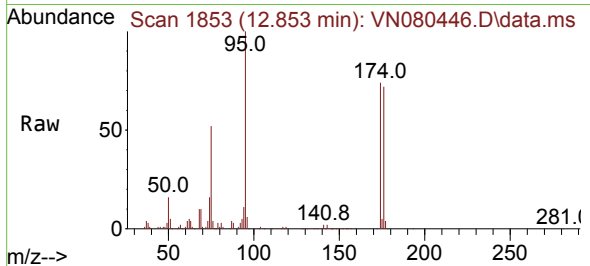




#62
4-Bromofluorobenzene
Concen: 58.868 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

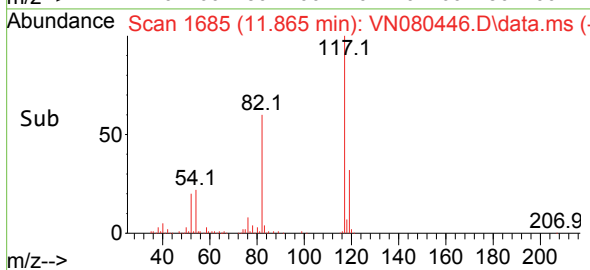
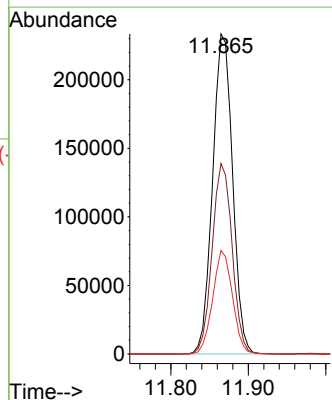
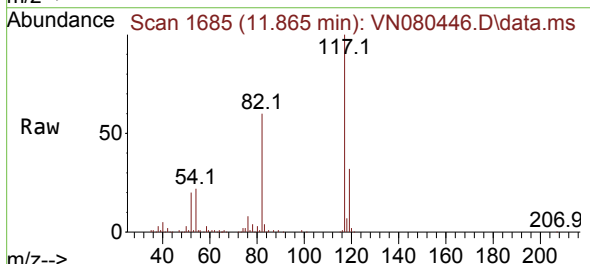
Instrument :
MSVOA_N
ClientSampleId :

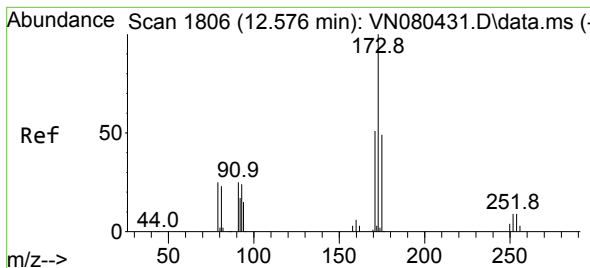
Tgt Ion: 95 Resp: 213890
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 73.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080446.D
Acq: 12 Dec 2023 18:38

Tgt Ion: 117 Resp: 417716
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.252 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Instrument :

MSVOA_N

ClientSampleId :

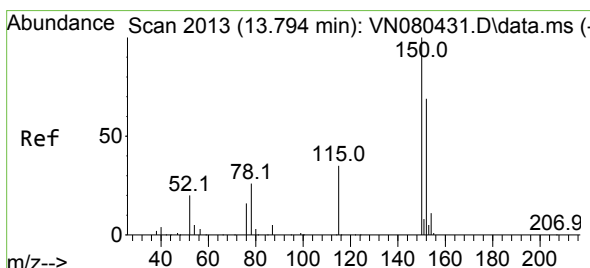
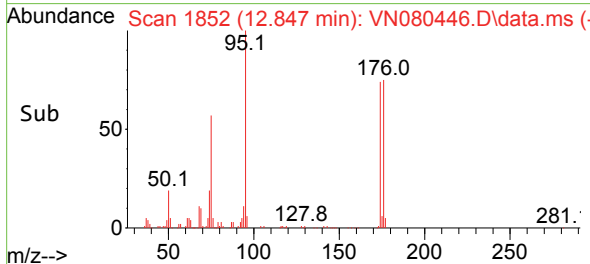
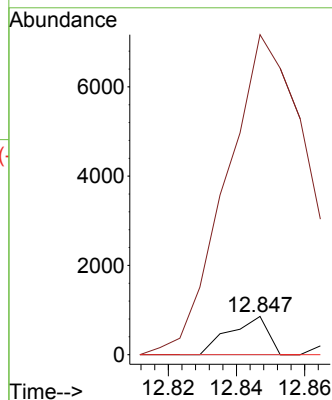
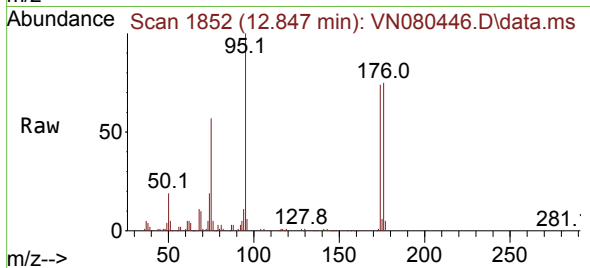
Tgt Ion:173 Resp: 669

Ion Ratio Lower Upper

173 100

175 1275.0 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: VN080446.D

Acq: 12 Dec 2023 18:38

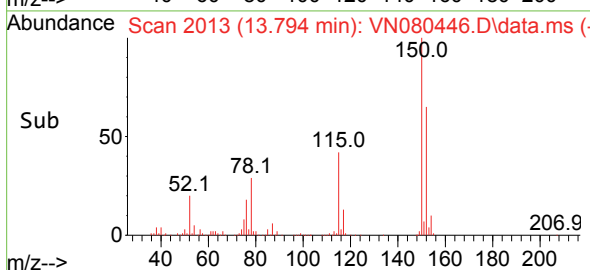
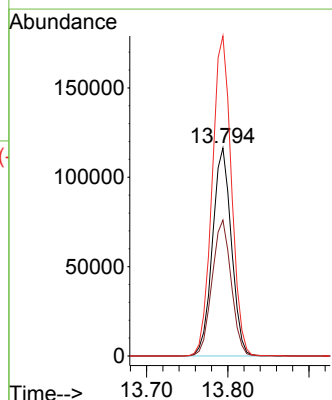
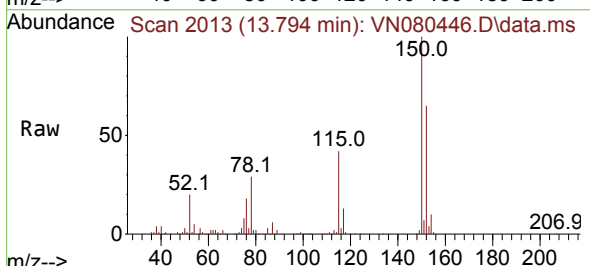
Tgt Ion:152 Resp: 188109

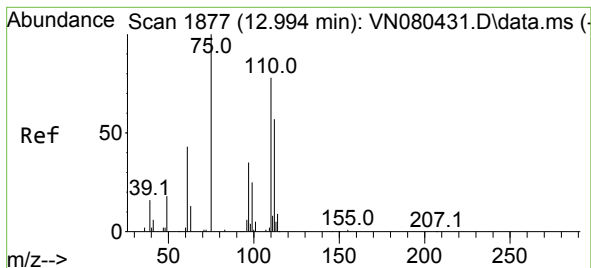
Ion Ratio Lower Upper

152 100

115 66.1 32.3 96.8

150 156.6 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 30.484 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Instrument :

MSVOA_N

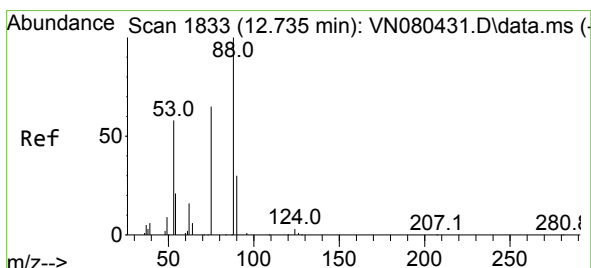
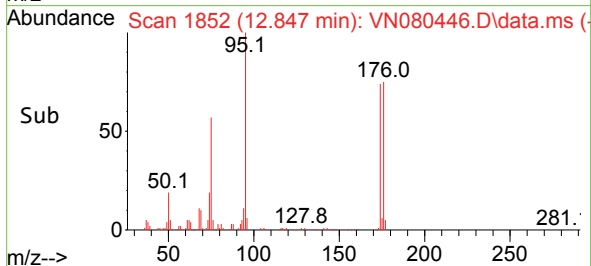
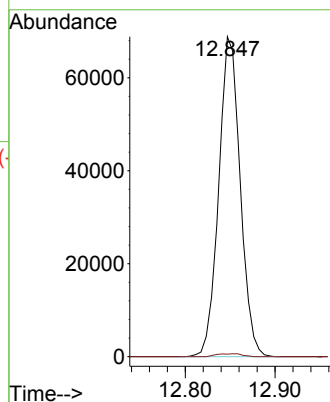
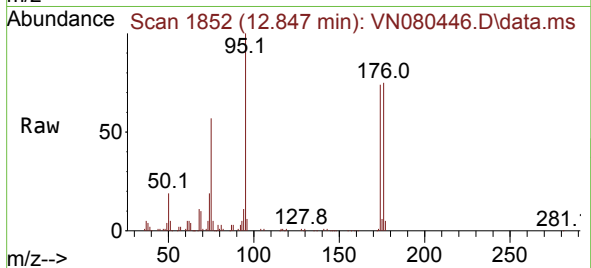
ClientSampleId :

Tgt Ion: 75 Resp: 114399

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.039 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080446.D

Acq: 12 Dec 2023 18:38

Tgt Ion: 75 Resp: 114399

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

