

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080471.D
 Acq On : 13 Dec 2023 18:50
 Operator : JC\MD
 Sample : 05791-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:11:41 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

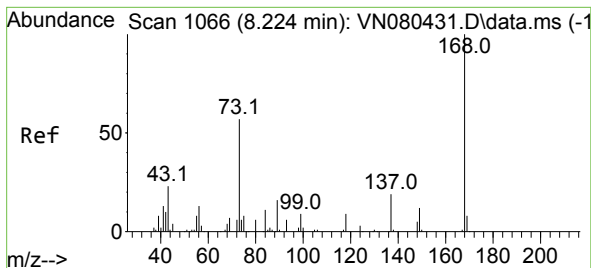
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	258185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	474156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	167416	50.769	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.540%		
35) Dibromofluoromethane	8.165	113	138446	47.346	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.700%		
50) Toluene-d8	10.570	98	489010	44.841	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 89.680%		
62) 4-Bromofluorobenzene	12.853	95	197637	47.726	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 95.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2664	0.370	ug/l #	88
6) Chloroethane	3.124	64	914	0.505	ug/l #	43
13) Acrolein	4.183	56	290	0.682	ug/l	88
16) Acetone	4.430	43	10613	18.151	ug/l	98
20) Methylene Chloride	5.271	84	2984	0.954	ug/l #	82
25) 2-Butanone	7.488	43	2068	1.836	ug/l	88
28) Bromochloromethane	7.965	49	8879	4.472	ug/l #	5
29) Tetrahydrofuran	7.965	42	163	0.202	ug/l #	1
30) Chloroform	7.965	83	125392	21.845	ug/l	93
31) Cyclohexane	8.224	56	5579	1.244	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	20941	4.380	ug/l #	51
37) Ethyl Acetate	7.488	43	2068	0.691	ug/l #	63
38) Carbon Tetrachloride	8.229	117	28673	5.019	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	852	0.287	ug/l	93
76) 1,2,3-Trichloropropane	12.853	75	108972	25.784	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	108972	67.699	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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN080471.D

Acq: 13 Dec 2023 18:50

Instrument :

MSVOA_N

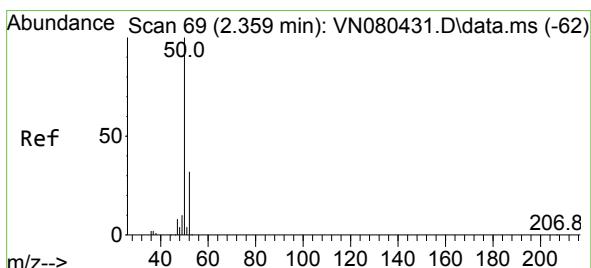
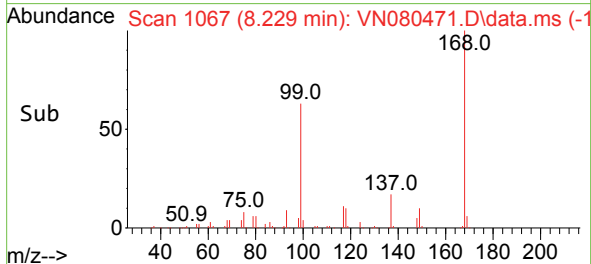
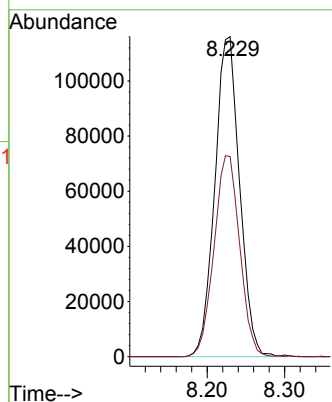
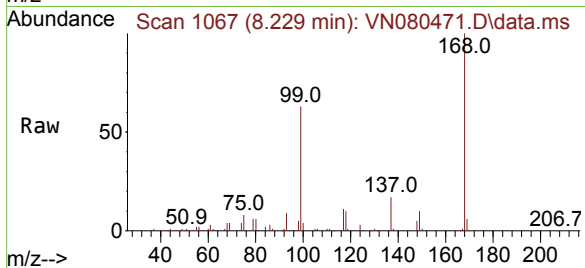
ClientSampleId :

Tgt Ion:168 Resp: 258185

Ion Ratio Lower Upper

168 100

99 62.5 53.0 79.6



#3

Chloromethane

Concen: 0.370 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080471.D

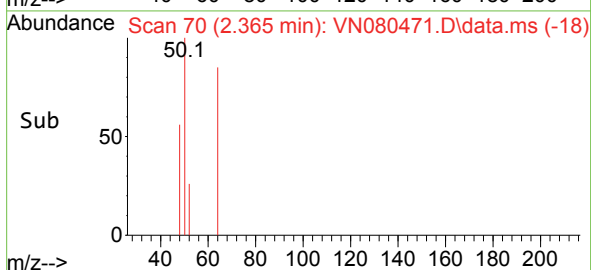
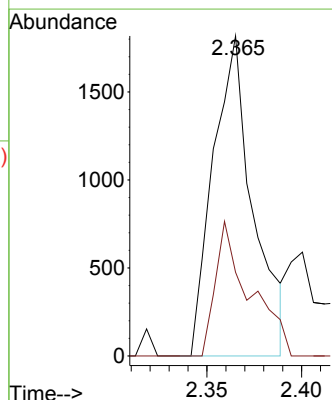
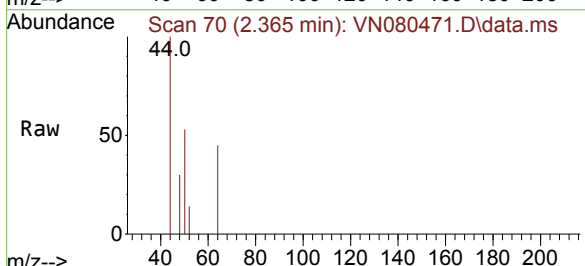
Acq: 13 Dec 2023 18:50

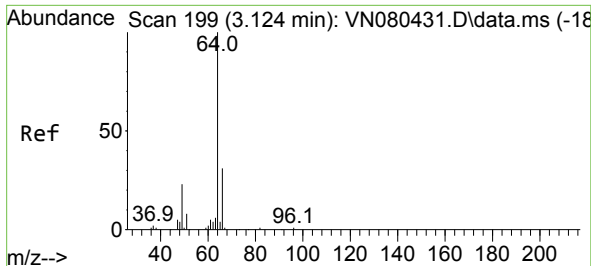
Tgt Ion: 50 Resp: 2664

Ion Ratio Lower Upper

50 100

52 26.1 26.5 39.7#

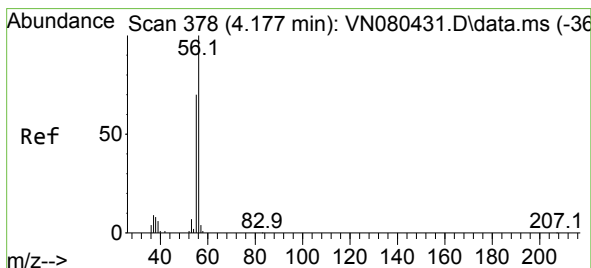
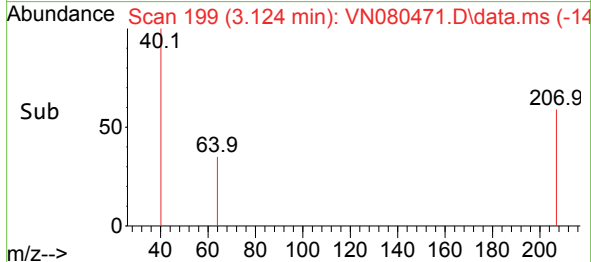
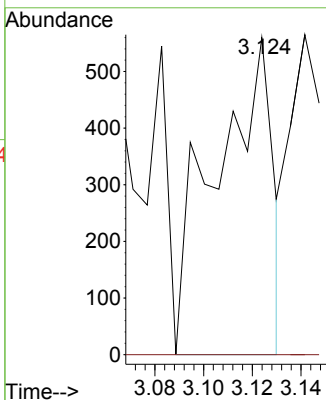
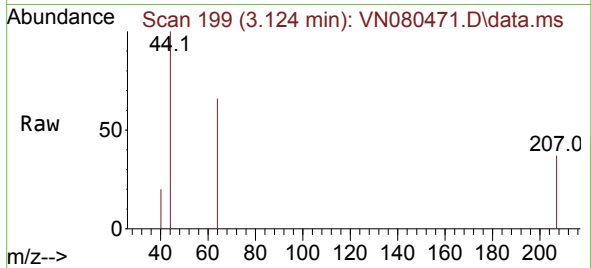




#6
Chloroethane
Concen: 0.505 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

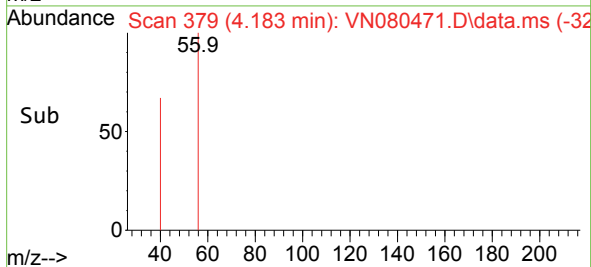
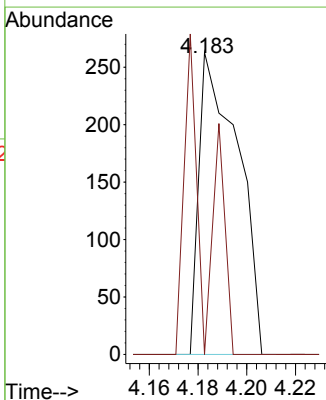
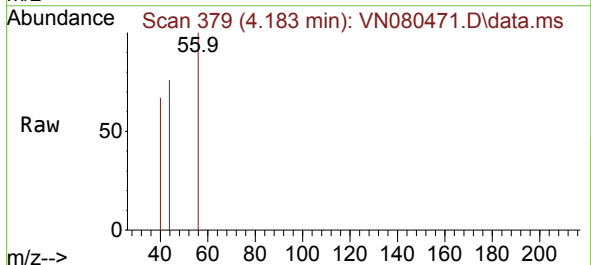
Instrument :
MSVOA_N
ClientSampleId :

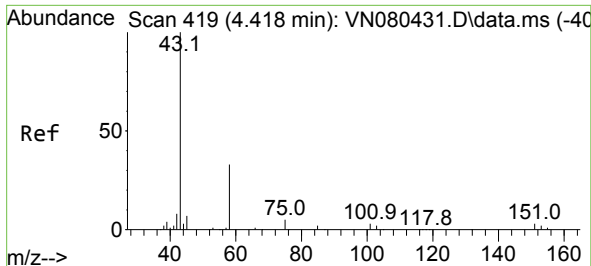
Tgt Ion: 64 Resp: 914
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.682 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 58.3 54.5 81.7

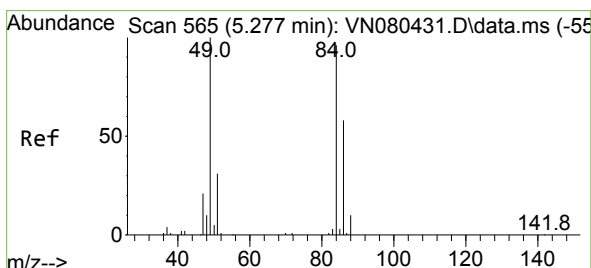
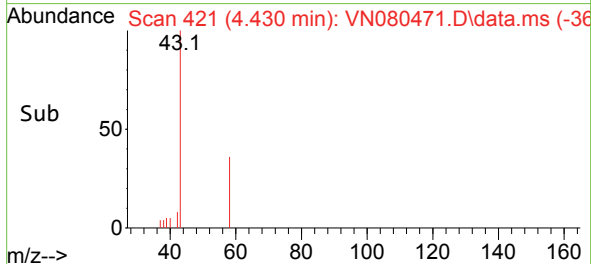
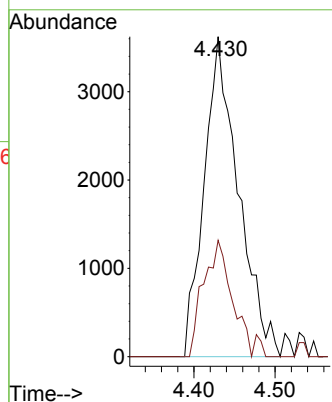
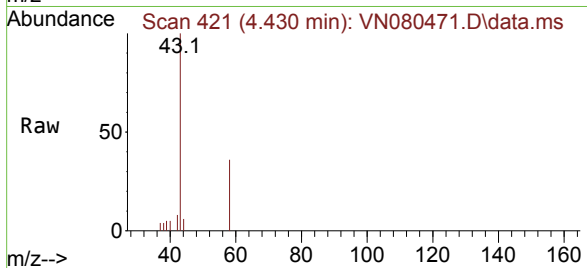




#16
Acetone
Concen: 18.151 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

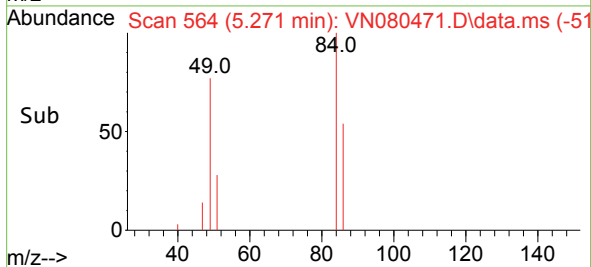
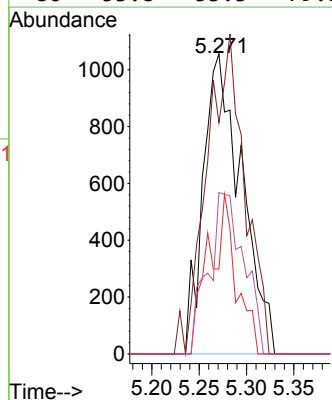
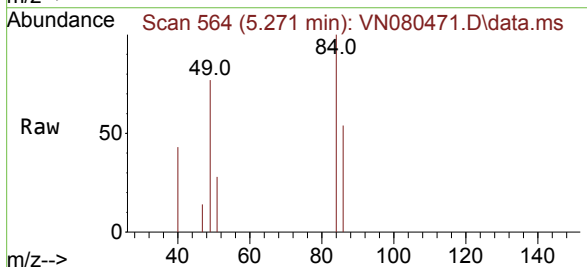
Instrument :
MSVOA_N
ClientSampleId :

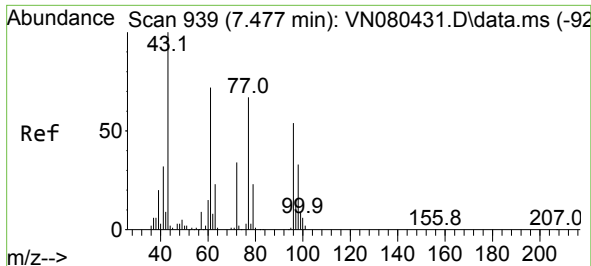
Tgt Ion: 43 Resp: 10613
Ion Ratio Lower Upper
43 100
58 36.3 28.0 42.0



#20
Methylene Chloride
Concen: 0.954 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 84 Resp: 2984
Ion Ratio Lower Upper
84 100
49 77.1 79.7 119.5#
51 28.3 25.2 37.8
86 53.8 53.3 79.9

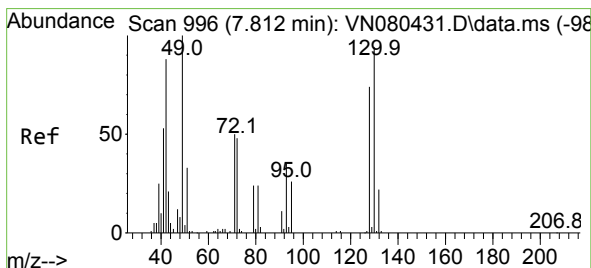
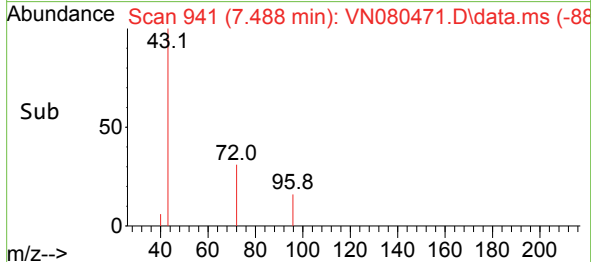
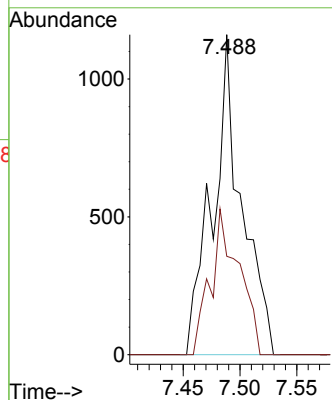
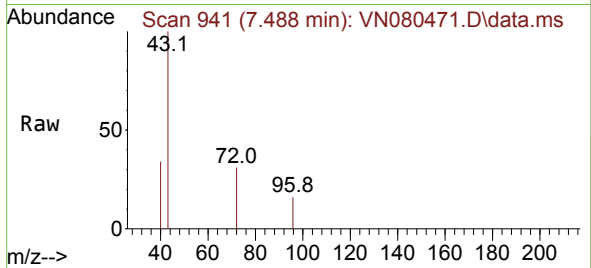




#25
2-Butanone
Concen: 1.836 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

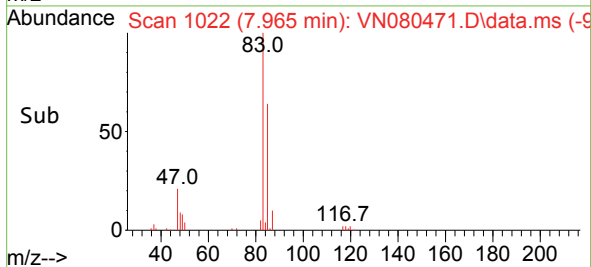
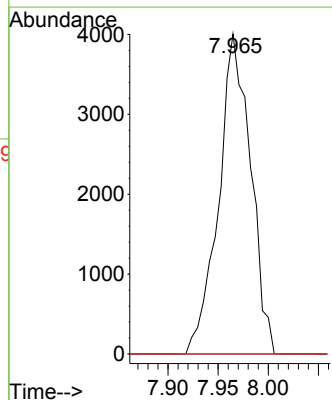
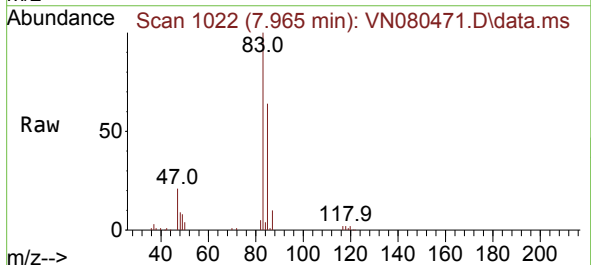
Instrument :
MSVOA_N
ClientSampleId :

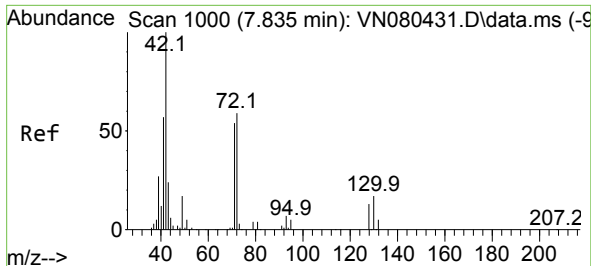
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
72 30.7 30.2 45.2



#28
Bromochloromethane
Concen: 4.472 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 49 Resp: 8879
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 0.0 75.3 112.9#





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.129 min

Lab File: VN080471.D

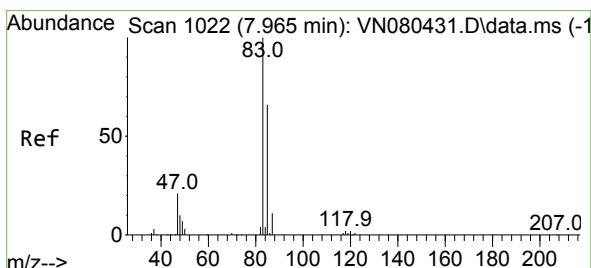
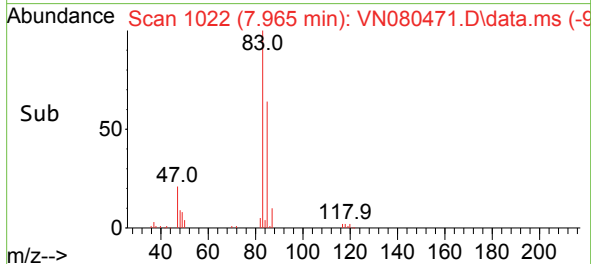
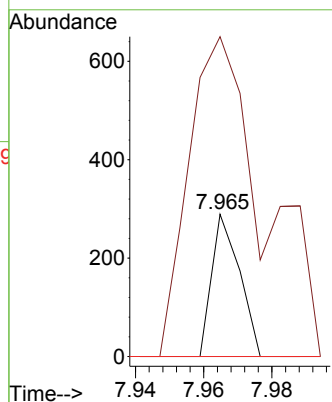
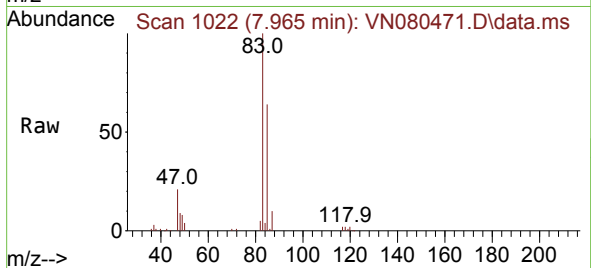
Acq: 13 Dec 2023 18:50

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 163
Ion Ratio	Lower Upper
42	100
72	610.4 49.8 74.6#
71	0.0 47.4 71.2#



#30

Chloroform

Concen: 21.845 ug/l

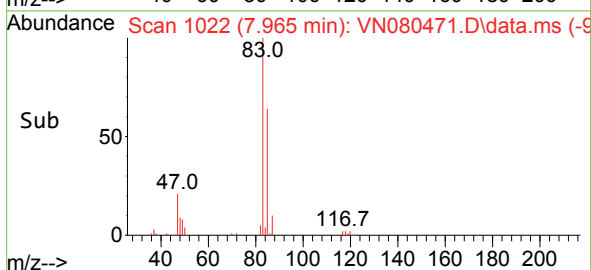
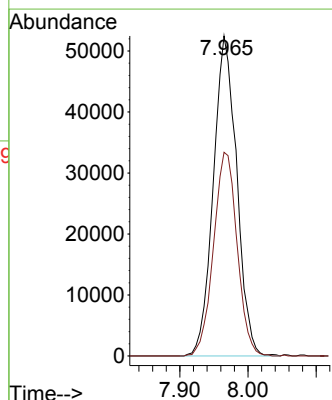
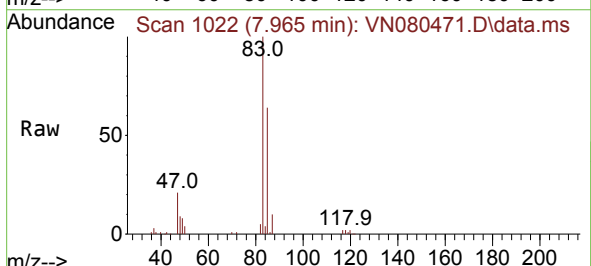
RT: 7.965 min Scan# 1022

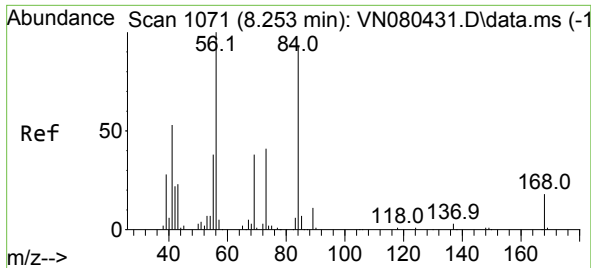
Delta R.T. 0.000 min

Lab File: VN080471.D

Acq: 13 Dec 2023 18:50

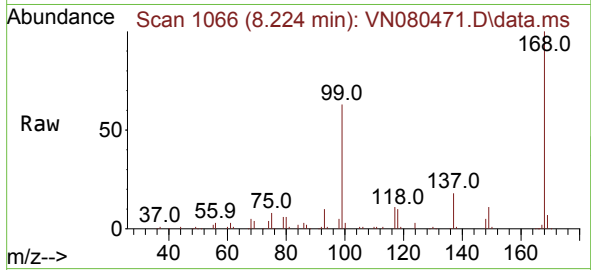
Tgt Ion: 83	Resp: 125392
Ion Ratio	Lower Upper
83	100
85	63.7 55.4 83.0



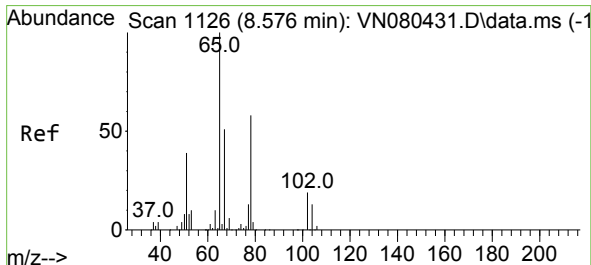
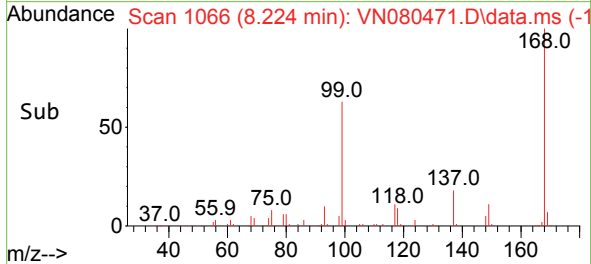
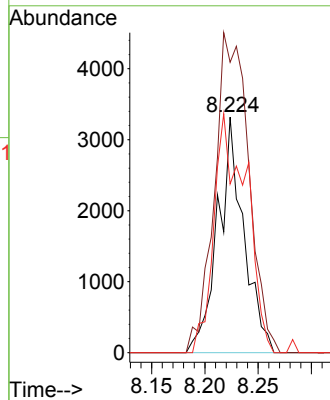


#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Instrument :
MSVOA_N
ClientSampleId :

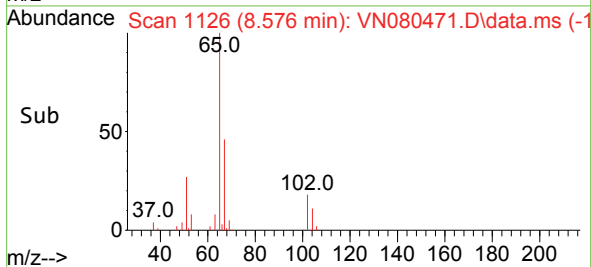
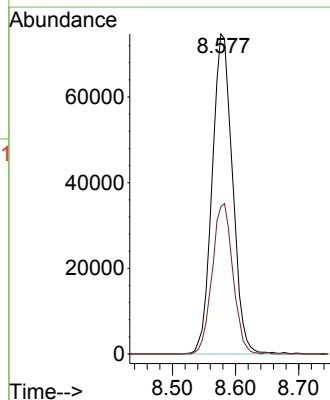
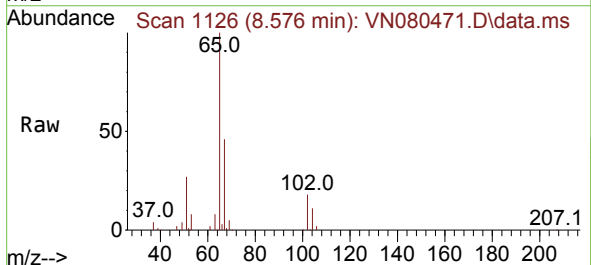


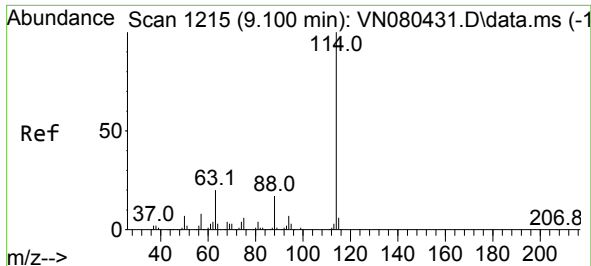
Tgt Ion: 56 Resp: 5579
Ion Ratio Lower Upper
56 100
69 123.3 26.8 40.2#
84 71.6 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 50.769 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 65 Resp: 167416
Ion Ratio Lower Upper
65 100
67 47.7 0.0 106.6

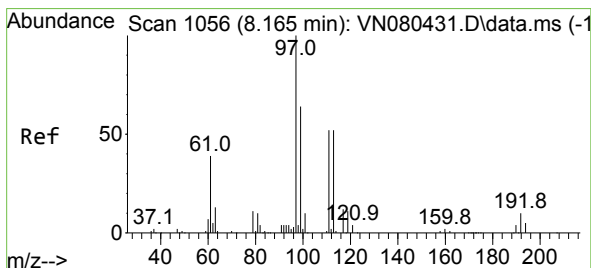
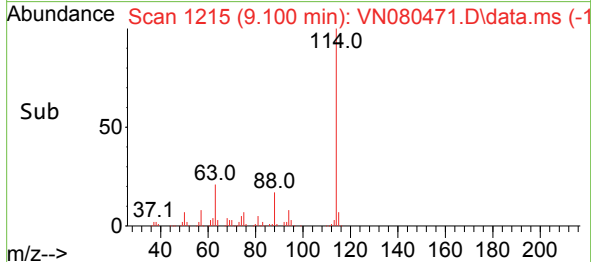
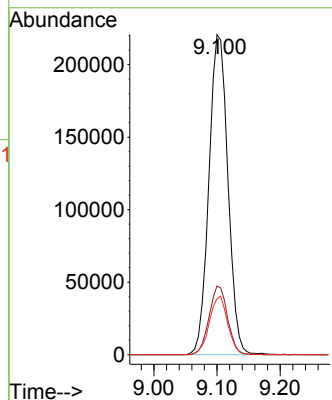
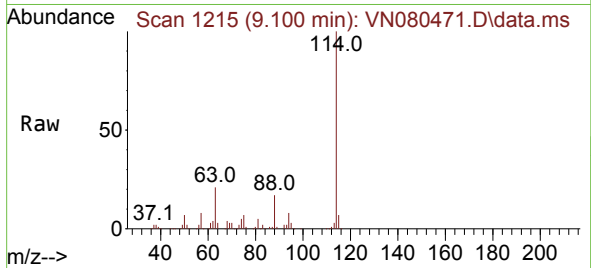




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

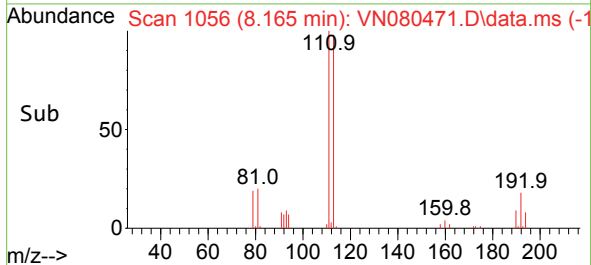
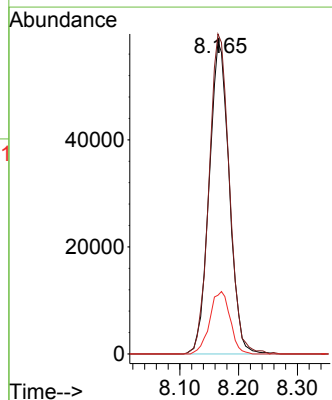
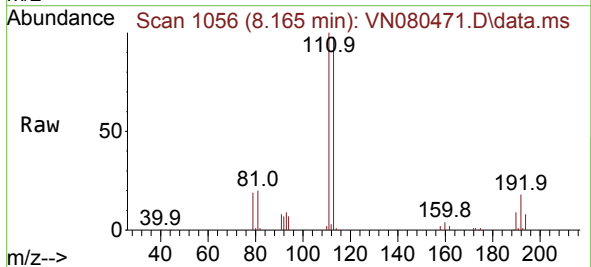
Instrument :
MSVOA_N
ClientSampleId :

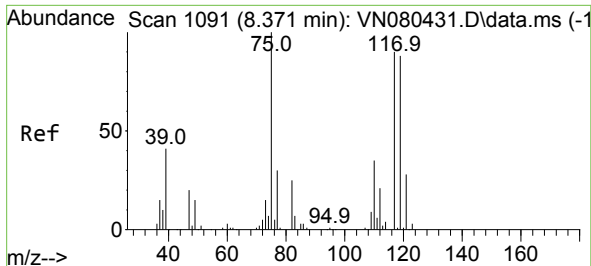
Tgt Ion:114 Resp: 461189
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 17.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.346 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

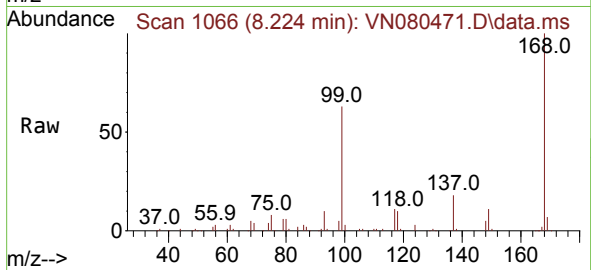
Tgt Ion:113 Resp: 138446
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 20.3 12.7 19.1#



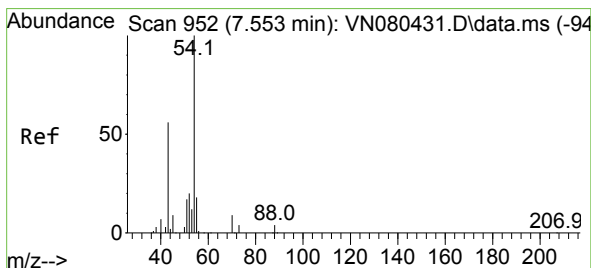
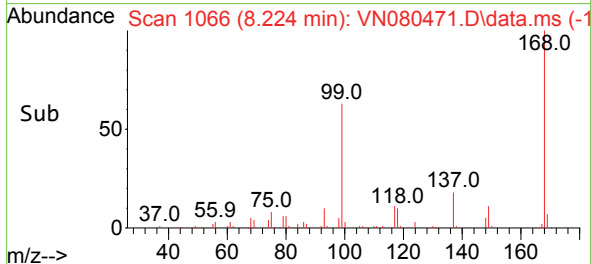
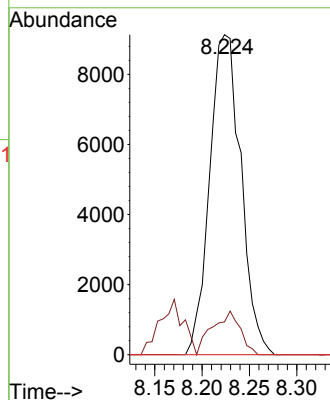


#36
1,1-Dichloropropene
Concen: 4.380 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Instrument :
MSVOA_N
ClientSampleId :

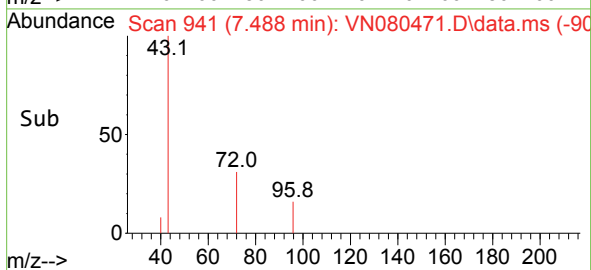
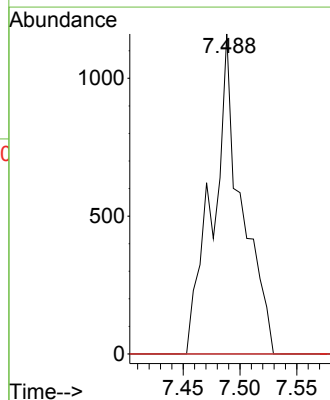
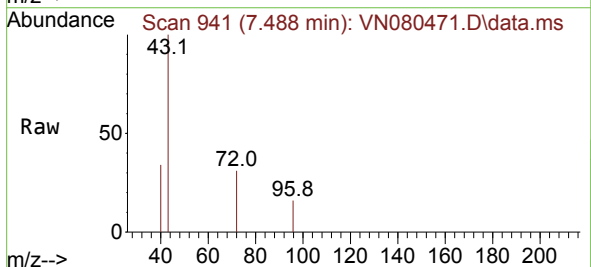


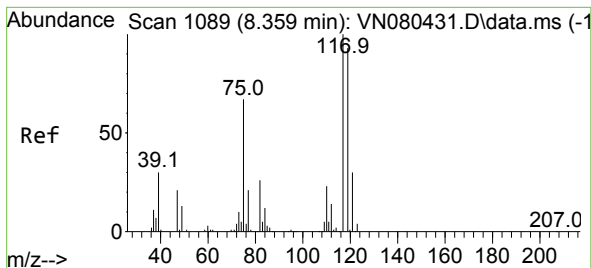
Tgt Ion: 75 Resp: 20941
Ion Ratio Lower Upper
75 100
110 12.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.691 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.019 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

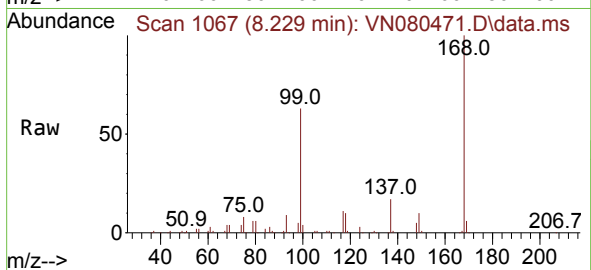
Lab File: VN080471.D

Acq: 13 Dec 2023 18:50

Instrument :

MSVOA_N

ClientSampleId :



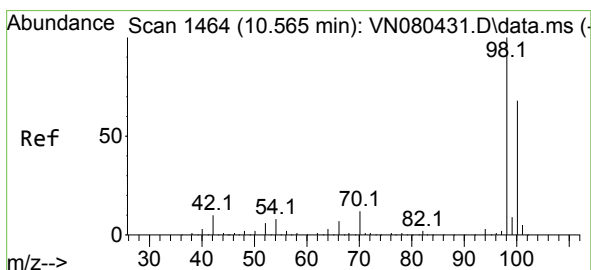
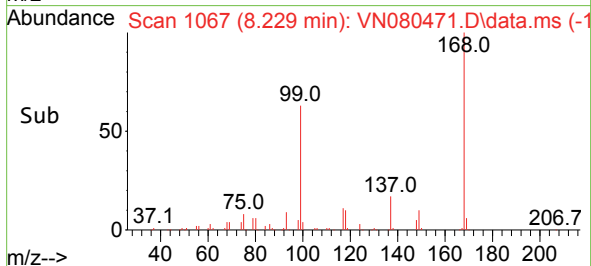
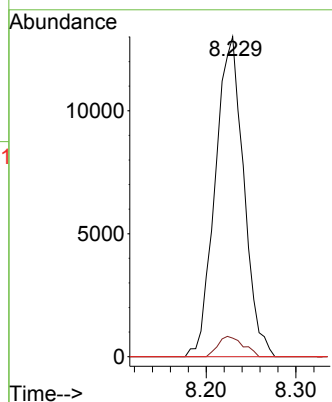
Tgt Ion:117 Resp: 28673

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 44.841 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080471.D

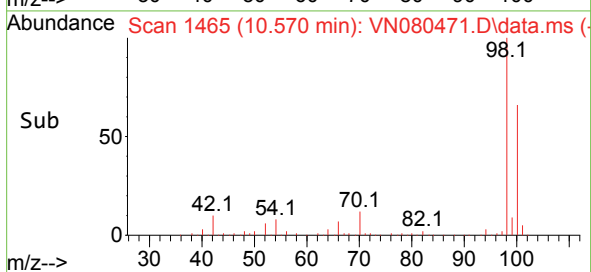
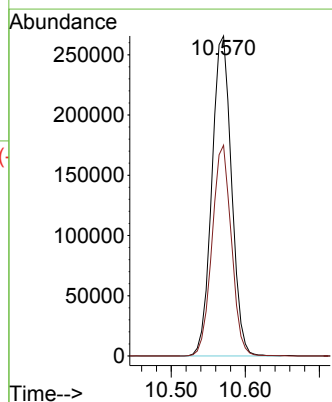
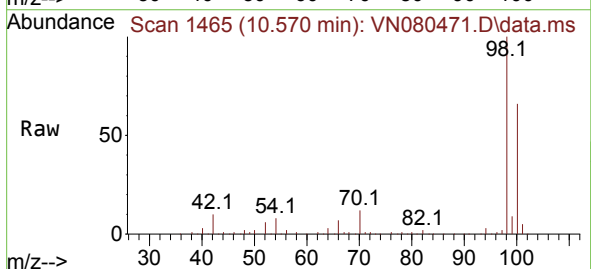
Acq: 13 Dec 2023 18:50

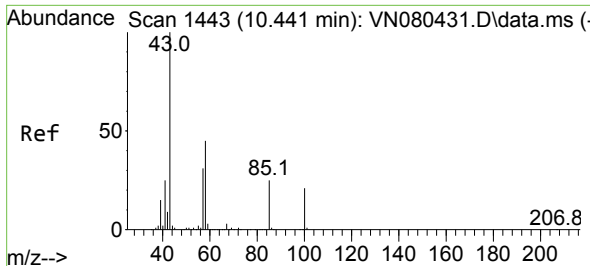
Tgt Ion: 98 Resp: 489010

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

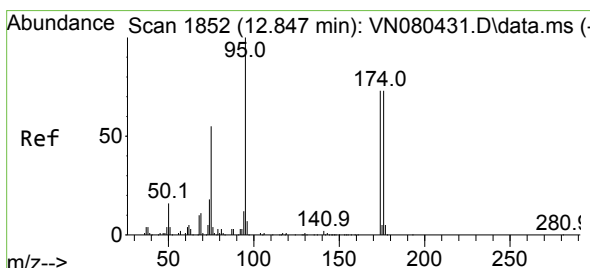
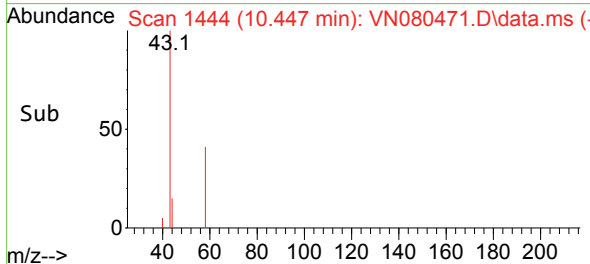
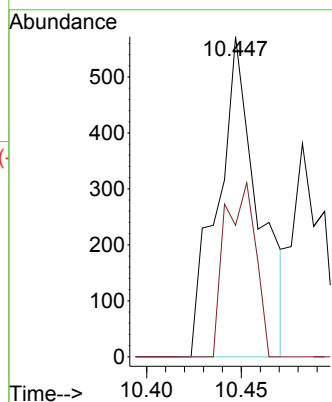
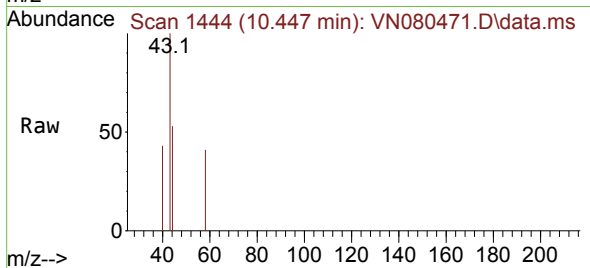




#51
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

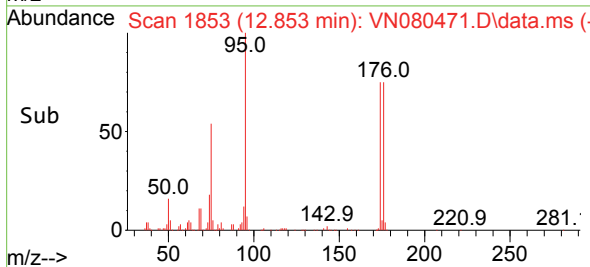
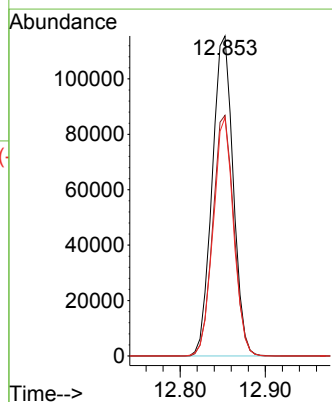
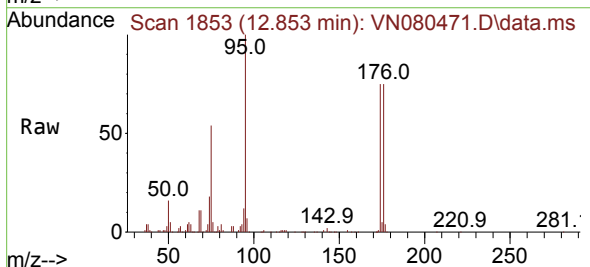
Instrument :
MSVOA_N
ClientSampleId :

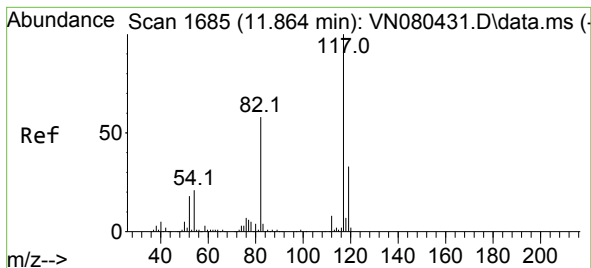
Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 41.0 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 47.726 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 95 Resp: 197637
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 72.4 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080471.D

Acq: 13 Dec 2023 18:50

Instrument :

MSVOA_N

ClientSampleId :

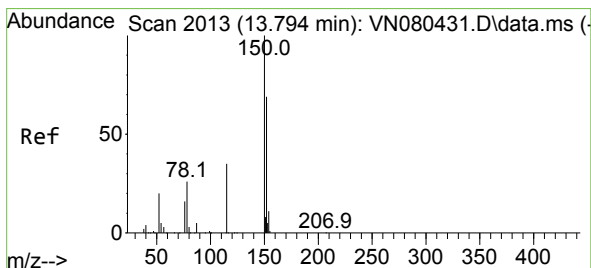
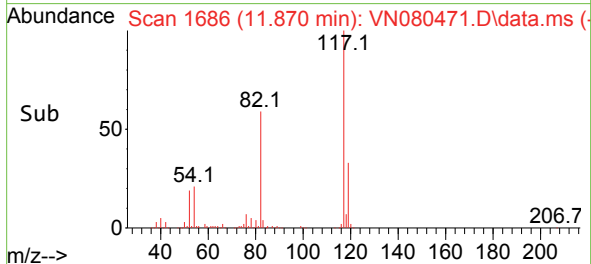
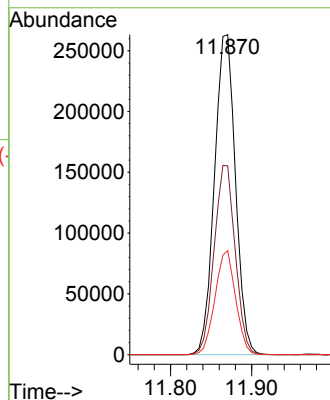
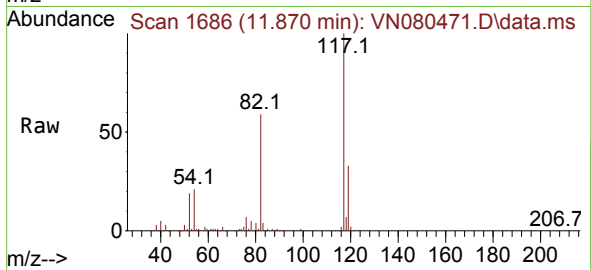
Tgt Ion:117 Resp: 474156

Ion Ratio Lower Upper

117 100

82 59.0 44.0 66.0

119 32.5 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: VN080471.D

Acq: 13 Dec 2023 18:50

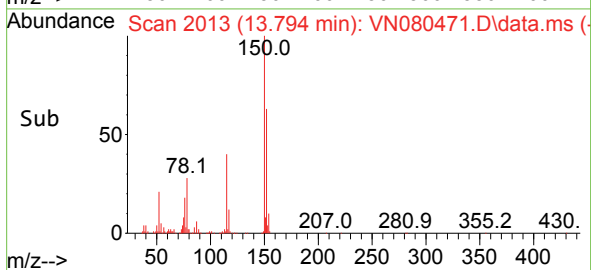
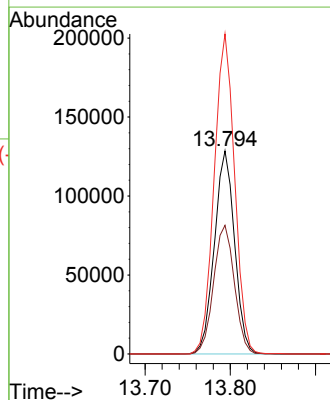
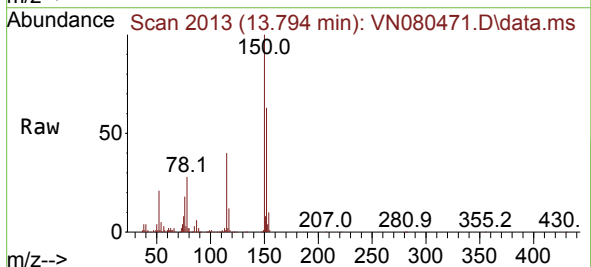
Tgt Ion:152 Resp: 211848

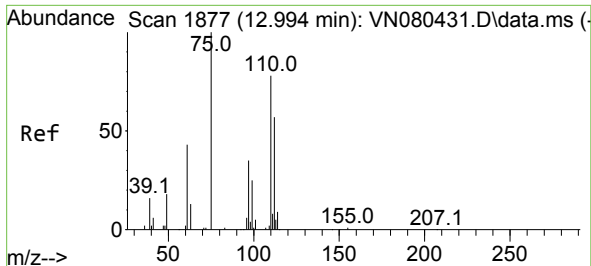
Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 159.4 0.0 355.8

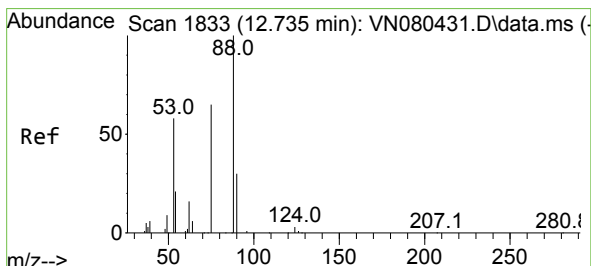
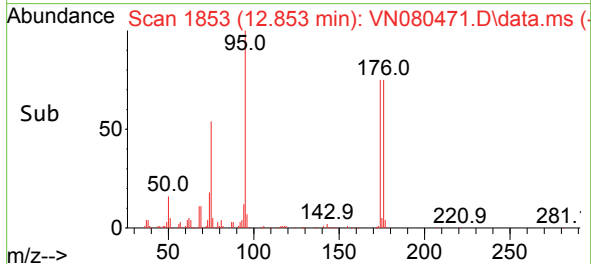
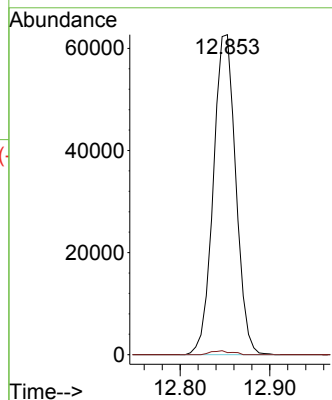
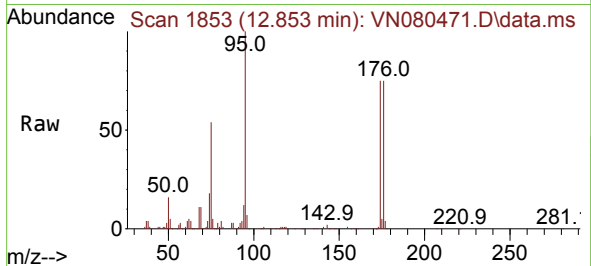




#76
1,2,3-Trichloropropane
Concen: 25.784 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 108972
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.699 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080471.D
Acq: 13 Dec 2023 18:50

Tgt Ion: 75 Resp: 108972
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

