

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080897.D
 Acq On : 05 Feb 2024 15:26
 Operator : JC\MD
 Sample : P1371-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T60-AOP

Quant Time: Feb 06 04:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

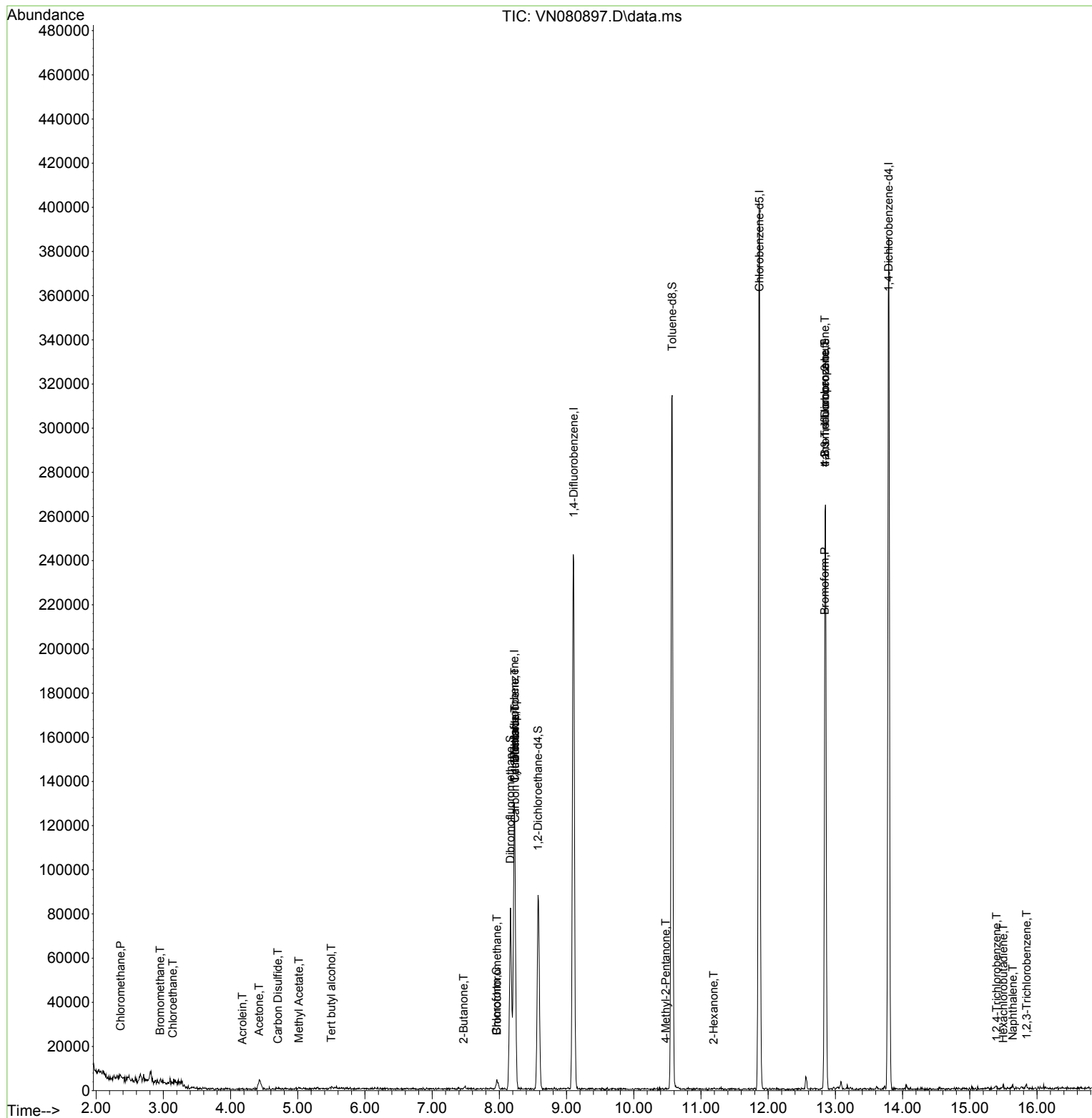
Internal Standards						
1) Pentafluorobenzene	8.224	168	80177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	192741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	203951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	66903	48.234	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	8.165	113	50941	43.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.400%		
50) Toluene-d8	10.571	98	205486	44.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.040%		
62) 4-Bromofluorobenzene	12.847	95	92343	57.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.840%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2090	1.168	ug/l #	63
5) Bromomethane	2.953	94	110	0.202	ug/l #	6
6) Chloroethane	3.142	64	206	0.284	ug/l #	42
11) Tert butyl alcohol	5.500	59	849	3.755	ug/l #	72
13) Acrolein	4.177	56	84	0.295	ug/l #	1
16) Acetone	4.424	43	7828	15.561	ug/l	95
17) Carbon Disulfide	4.706	76	946	0.270	ug/l #	78
18) Methyl Acetate	5.018	43	773	0.441	ug/l #	54
25) 2-Butanone	7.471	43	565	0.591	ug/l #	51
28) Bromochloromethane	7.965	49	299	0.227	ug/l #	26
30) Chloroform	7.959	83	3622	1.566	ug/l #	78
31) Cyclohexane	8.229	56	3810	1.602	ug/l #	63
36) 1,1-Dichloropropene	8.229	75	8558	3.905	ug/l #	51
38) Carbon Tetrachloride	8.235	117	10270	5.816	ug/l #	17
51) 4-Methyl-2-Pentanone	10.476	43	761	0.331	ug/l #	38
59) 2-Hexanone	11.188	43	594	0.333	ug/l #	26
71) Bromoform	12.841	173	248	0.253	ug/l #	30
76) 1,2,3-Trichloropropane	12.847	75	54914	22.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54914	58.401	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	388	0.293	ug/l #	43
94) Hexachlorobutadiene	15.500	225	291	0.503	ug/l	68
95) Naphthalene	15.641	128	1628	0.321	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.847	180	401	0.308	ug/l #	34

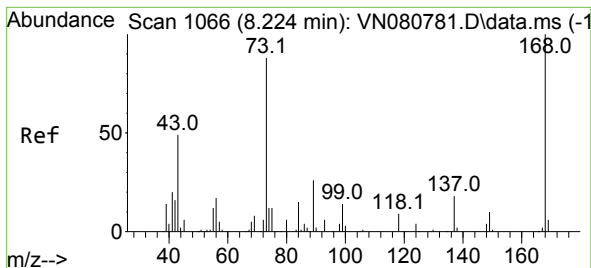
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

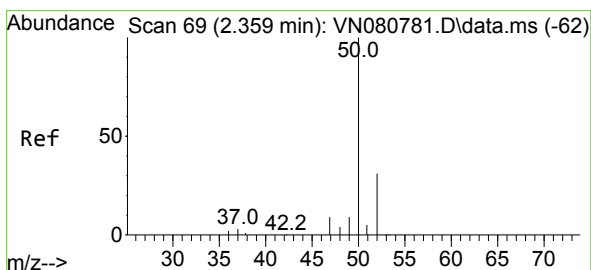
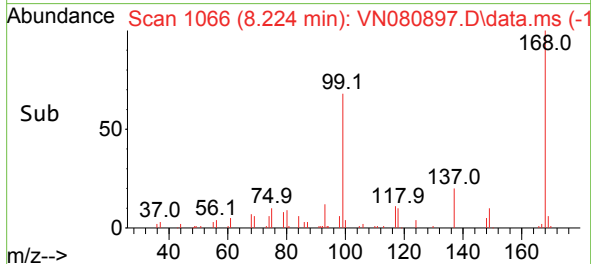
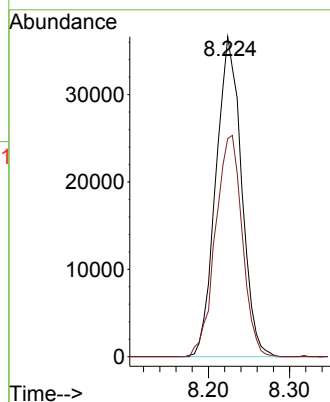
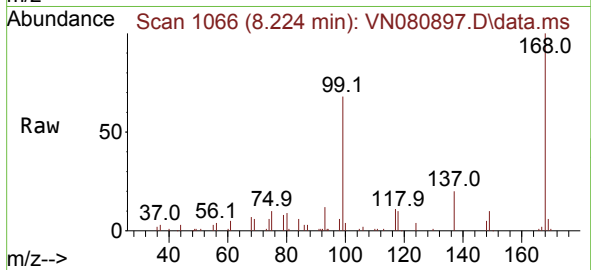
T60-AOP

Tgt Ion:168 Resp: 80177

Ion Ratio Lower Upper

168 100

99 68.2 59.9 89.9



#3

Chloromethane

Concen: 1.168 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080897.D

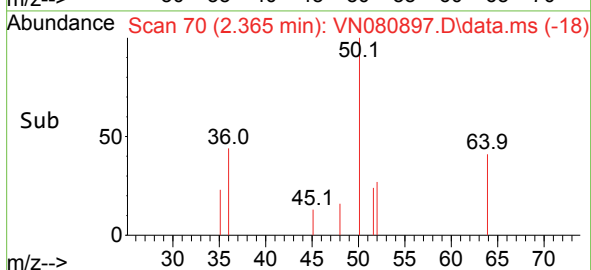
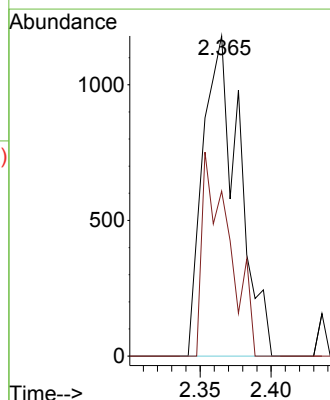
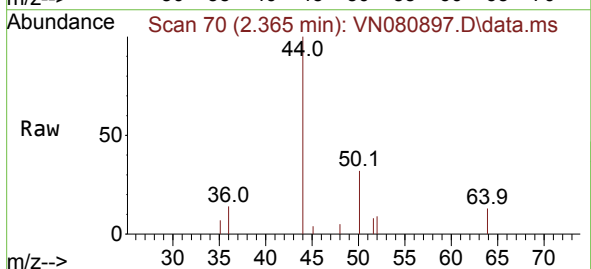
Acq: 05 Feb 2024 15:26

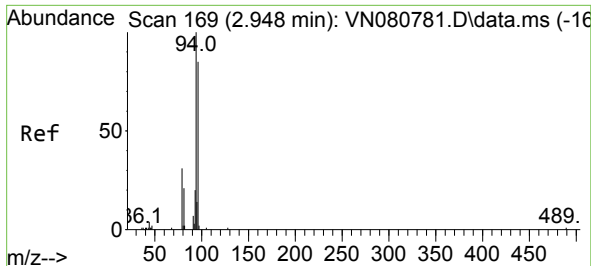
Tgt Ion: 50 Resp: 2090

Ion Ratio Lower Upper

50 100

52 51.5 25.0 37.4#

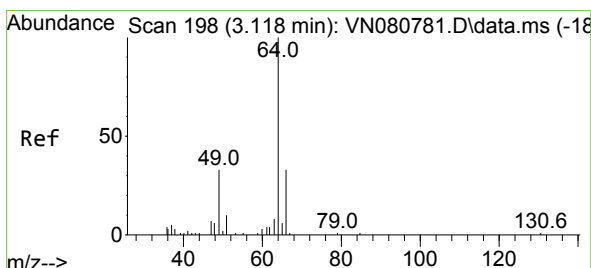
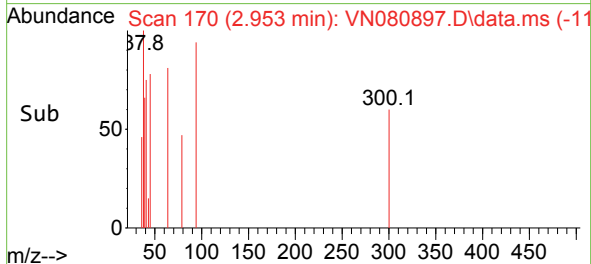
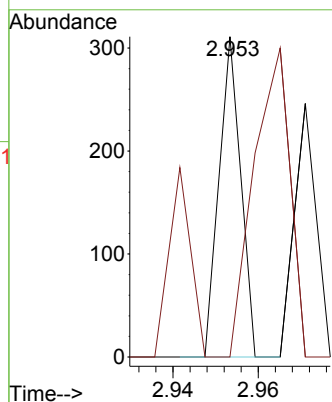
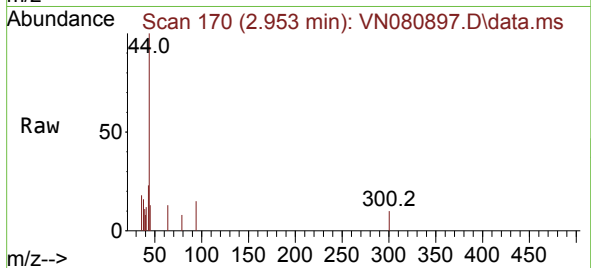




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

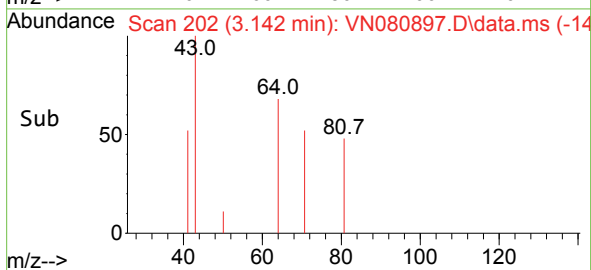
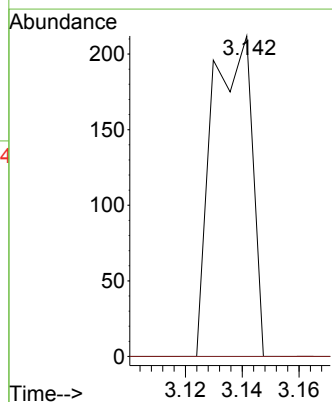
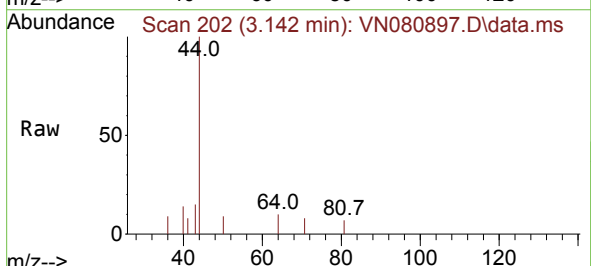
Instrument :
MSVOA_N
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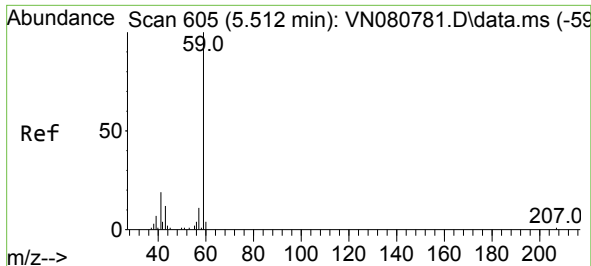
Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 0.0 69.2 103.8#



#6
Chloroethane
Concen: 0.284 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.023 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

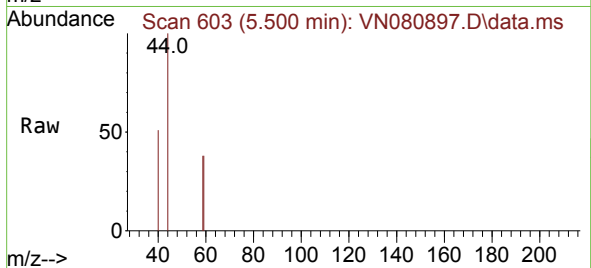
Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



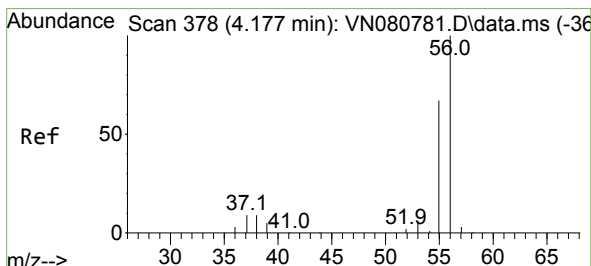
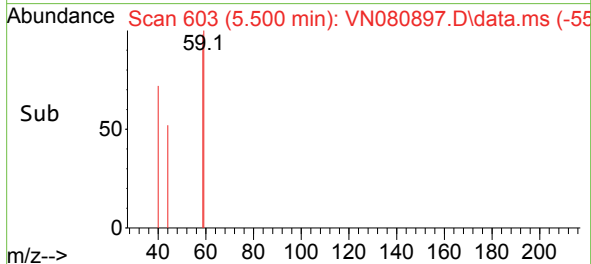
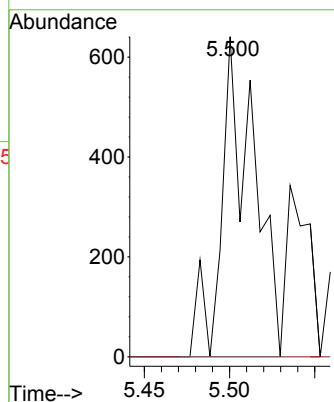


#11
Tert butyl alcohol
Concen: 3.755 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

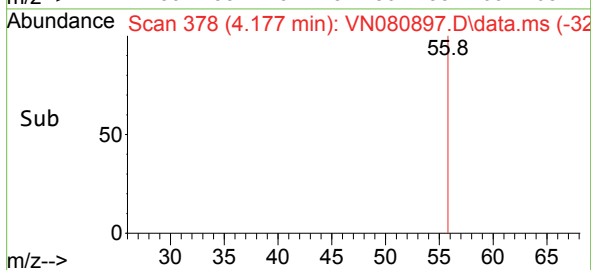
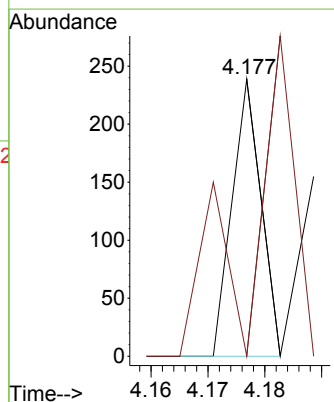
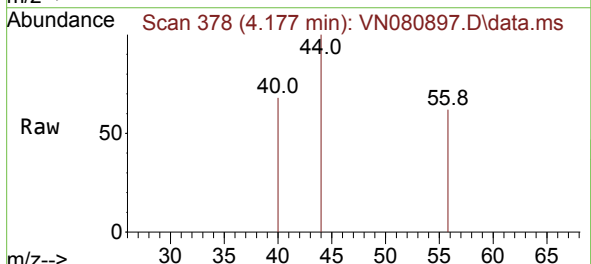


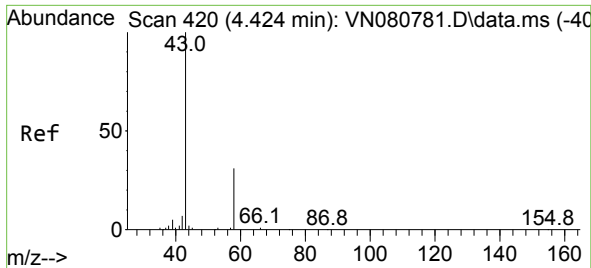
Tgt Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.295 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 178.6 55.3 82.9#

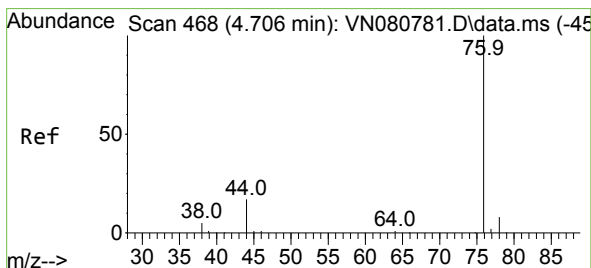
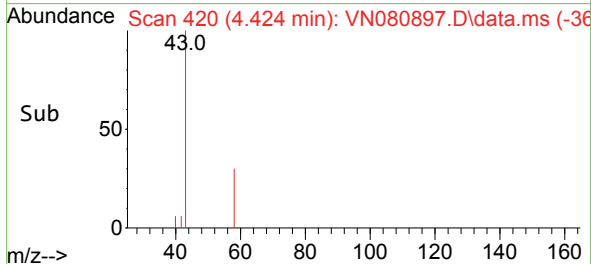
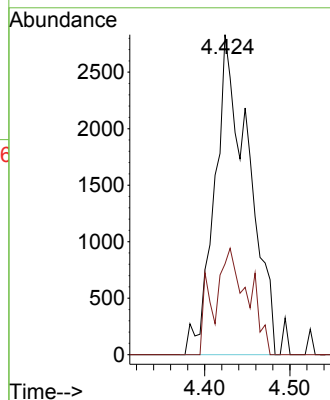
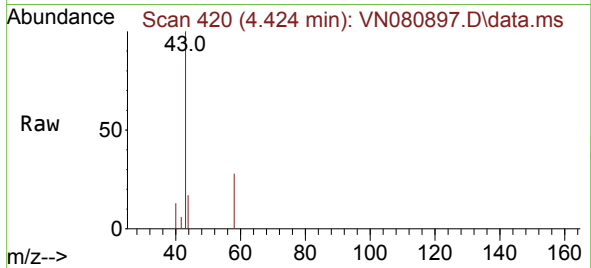




#16
Acetone
Concen: 15.561 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

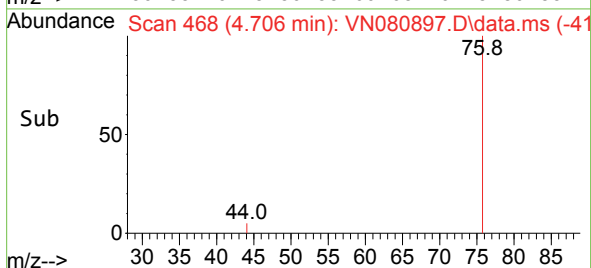
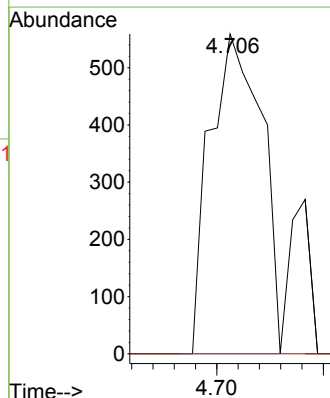
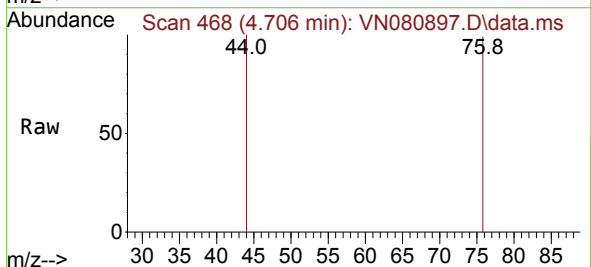
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

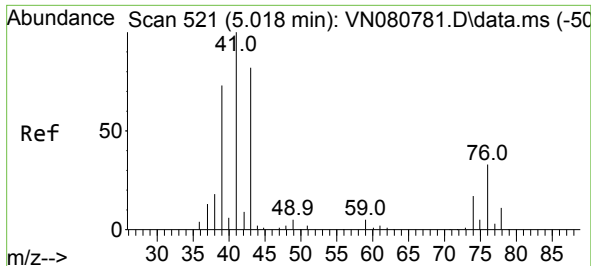
Tgt Ion: 43 Resp: 7828
Ion Ratio Lower Upper
43 100
58 28.4 24.8 37.2



#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

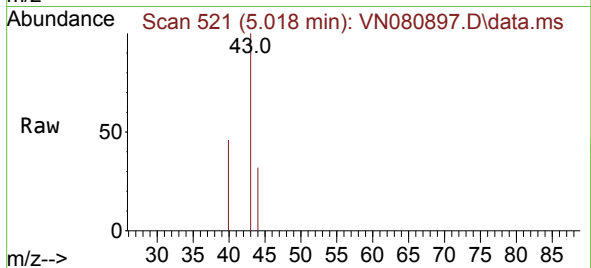
Tgt Ion: 76 Resp: 946
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



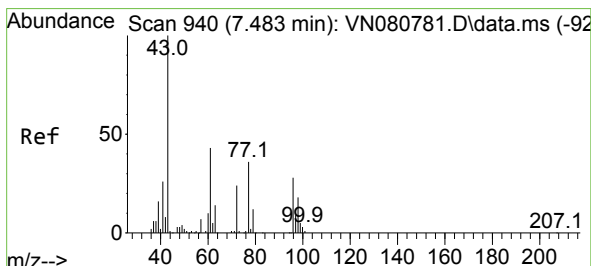
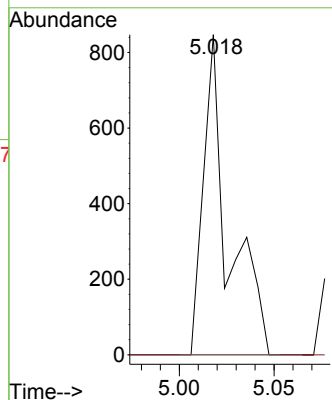
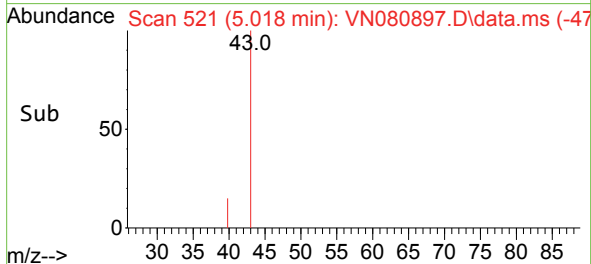


#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

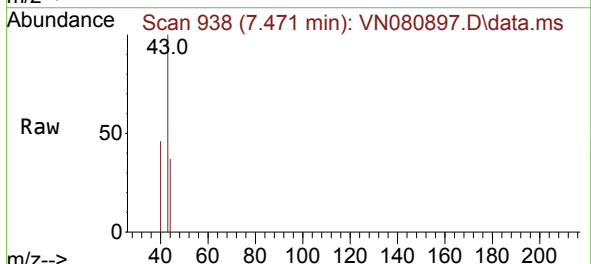
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP



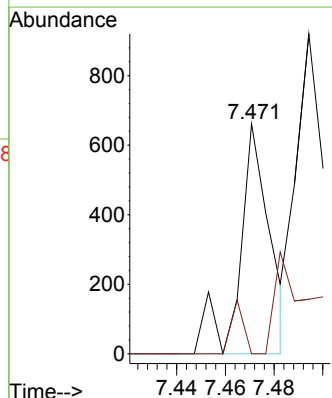
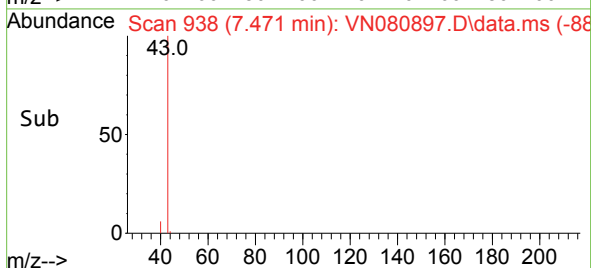
Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#

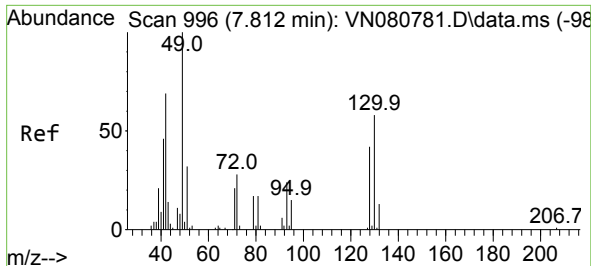


#25
2-Butanone
Concen: 0.591 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.012 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26



Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

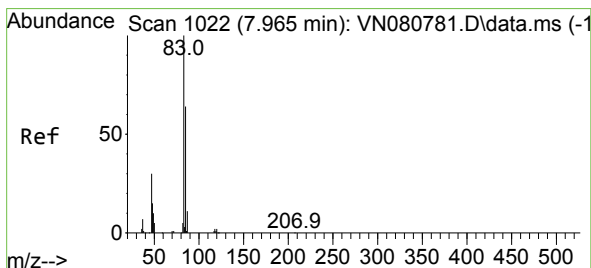
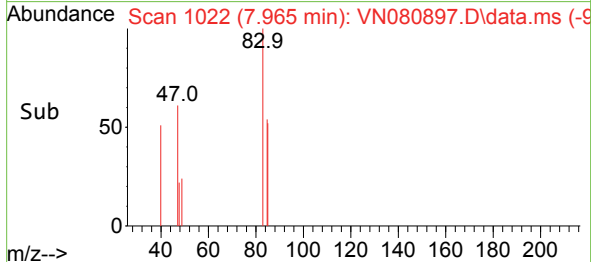
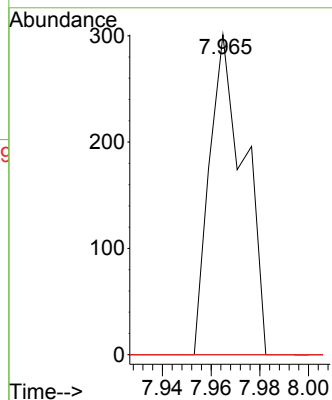
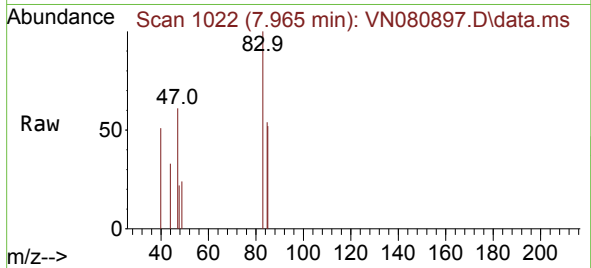




#28
Bromochloromethane
Concen: 0.227 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.153 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

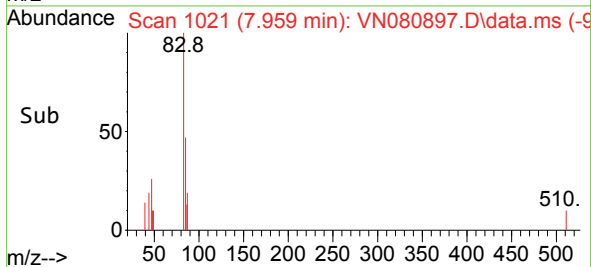
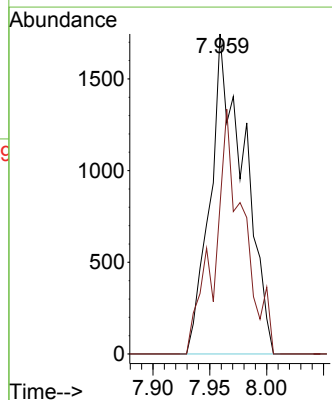
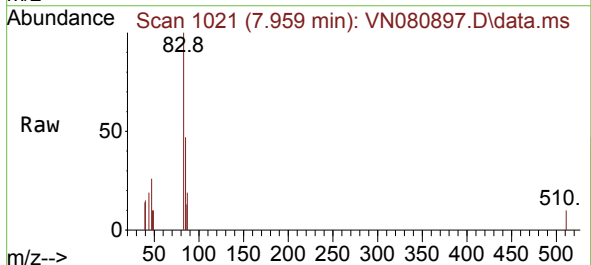
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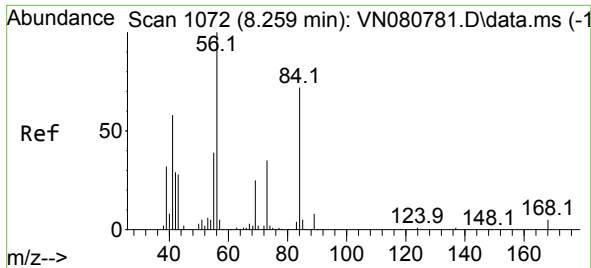
Tgt Ion: 49 Resp: 299
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.6
130 0.0 42.3 63.5#



#30
Chloroform
Concen: 1.566 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

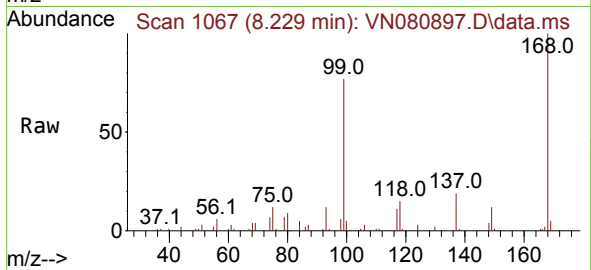
Tgt Ion: 83 Resp: 3622
Ion Ratio Lower Upper
83 100
85 46.6 51.0 76.6#



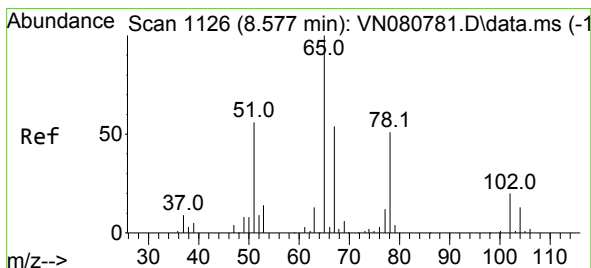
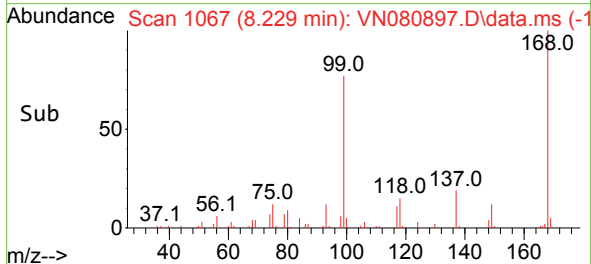
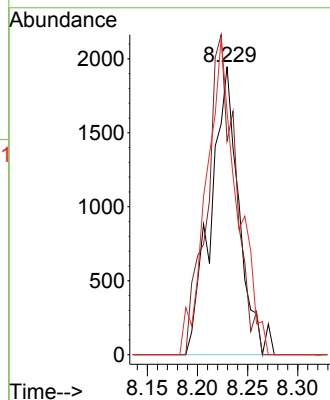


#31
Cyclohexane
Concen: 1.602 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

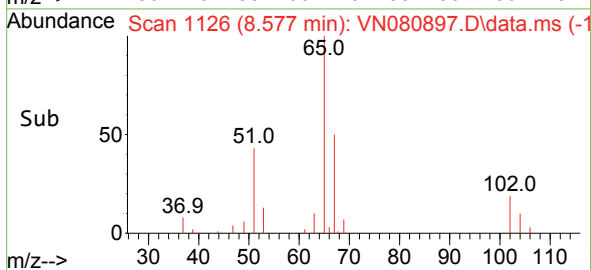
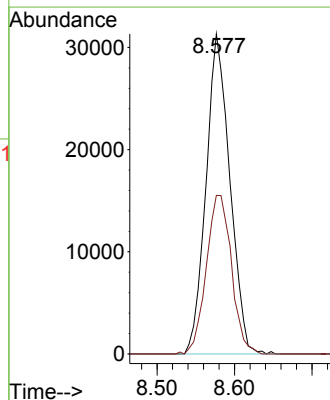
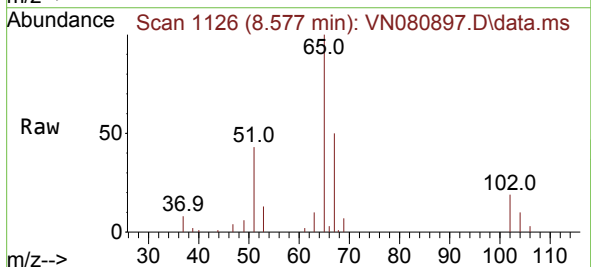


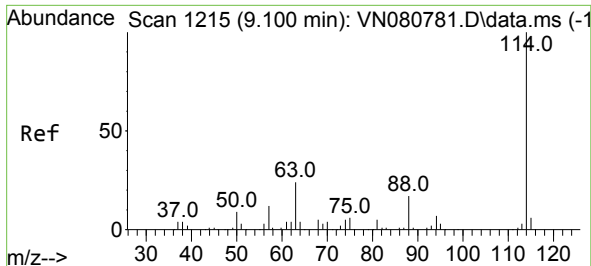
Tgt Ion: 56 Resp: 3810
Ion Ratio Lower Upper
56 100
69 74.2 20.1 30.1#
84 84.2 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 48.234 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion: 65 Resp: 66903
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

T60-AOP

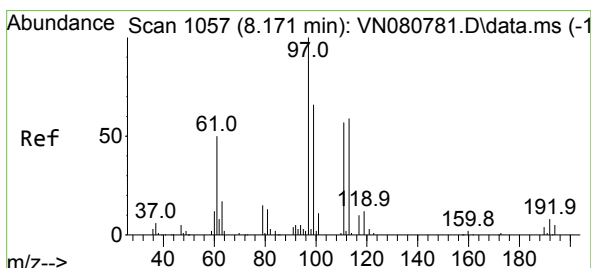
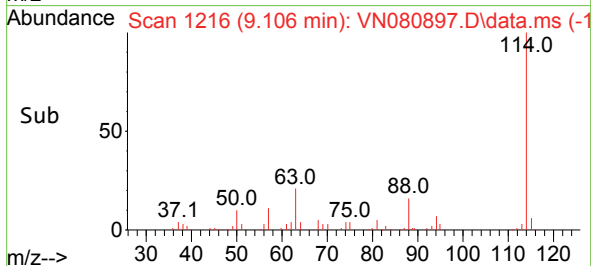
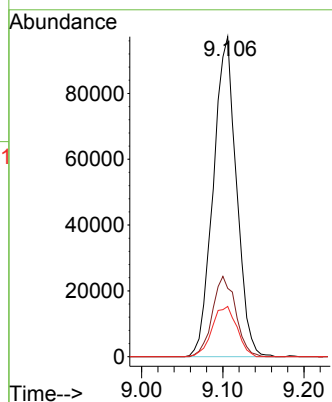
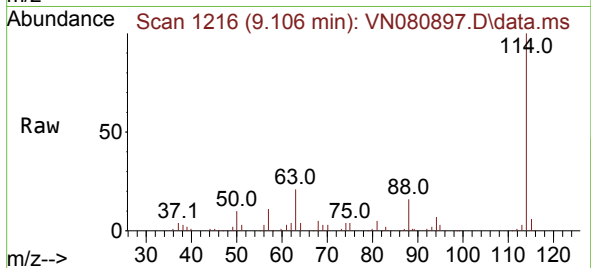
Tgt Ion:114 Resp: 192741

Ion Ratio Lower Upper

114 100

63 21.3 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 43.200 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

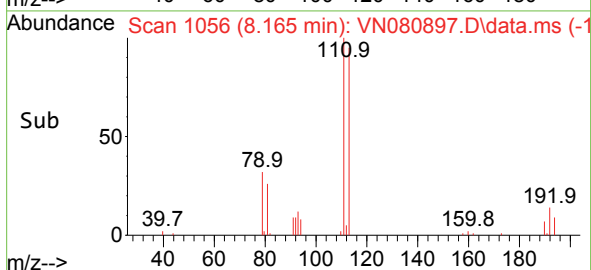
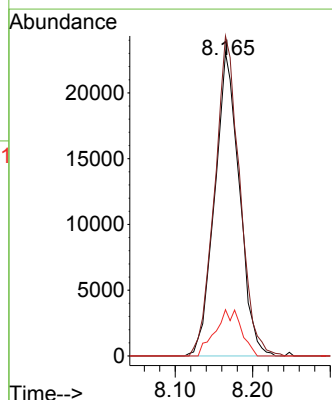
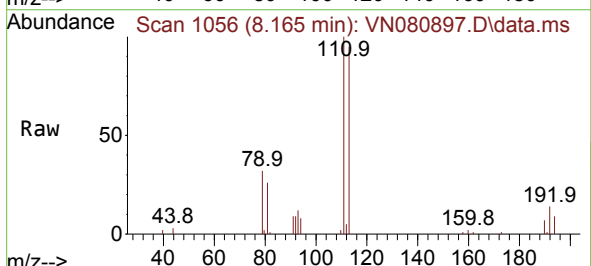
Tgt Ion:113 Resp: 50941

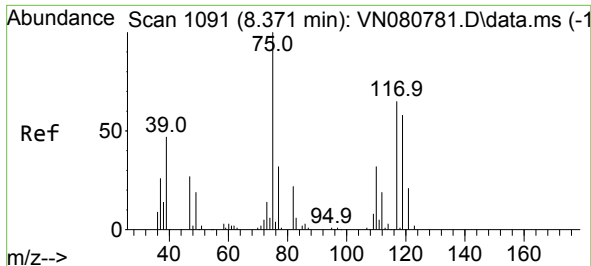
Ion Ratio Lower Upper

113 100

111 107.2 82.2 123.4

192 16.1 12.5 18.7





#36

1,1-Dichloropropene

Concen: 3.905 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

T60-AOP

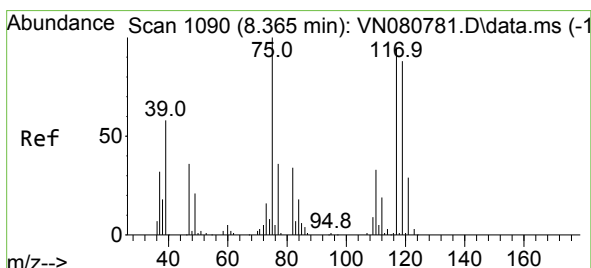
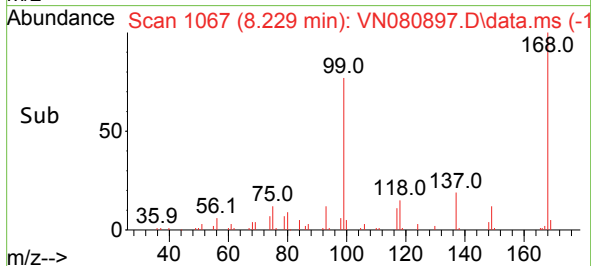
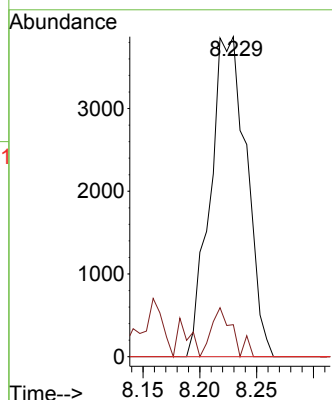
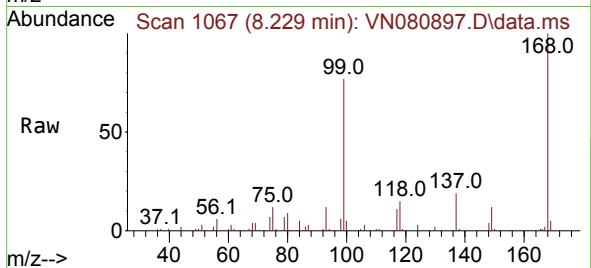
Tgt Ion: 75 Resp: 8558

Ion Ratio Lower Upper

75 100

110 9.1 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.816 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.129 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

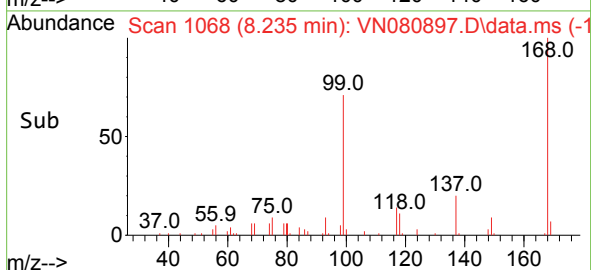
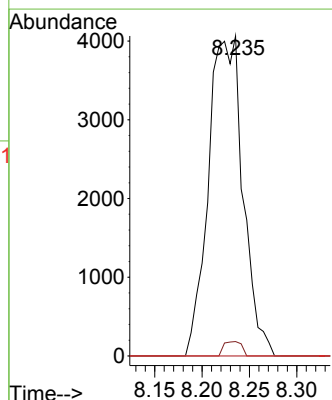
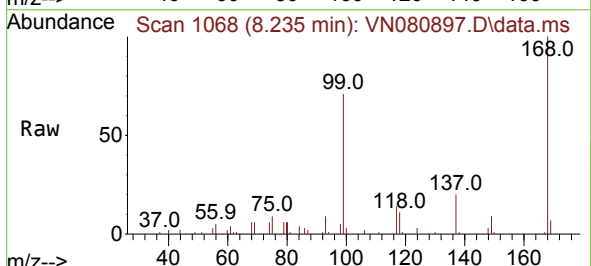
Tgt Ion: 117 Resp: 10270

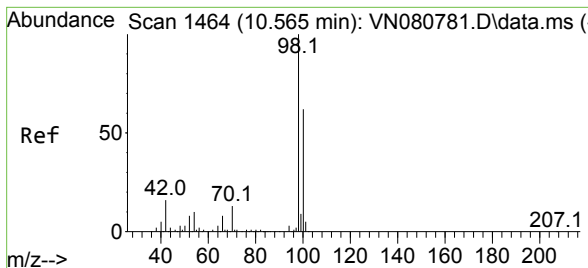
Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 44.523 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

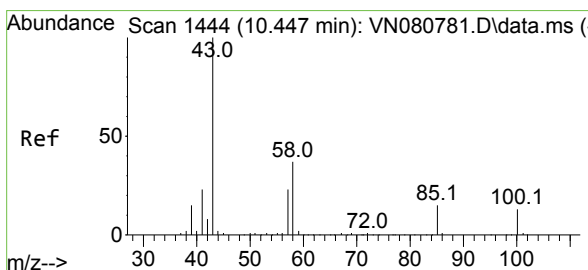
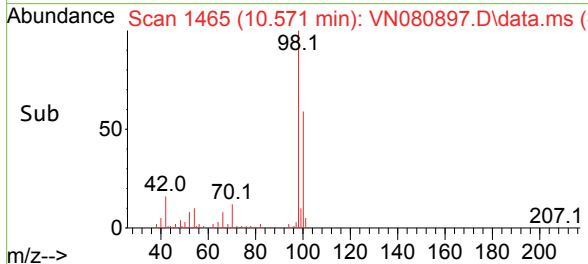
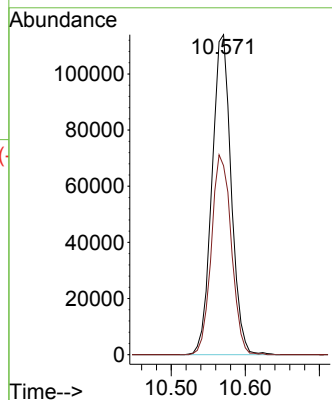
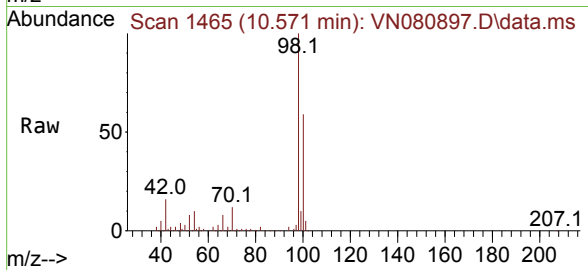
T60-AOP

Tgt Ion: 98 Resp: 205486

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.331 ug/l

RT: 10.476 min Scan# 1449

Delta R.T. 0.029 min

Lab File: VN080897.D

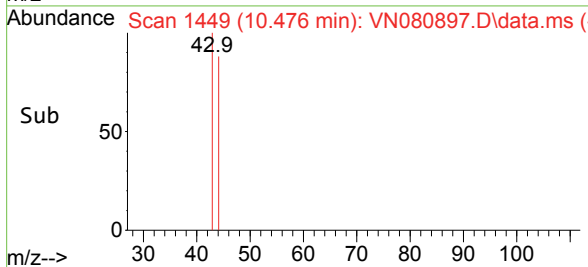
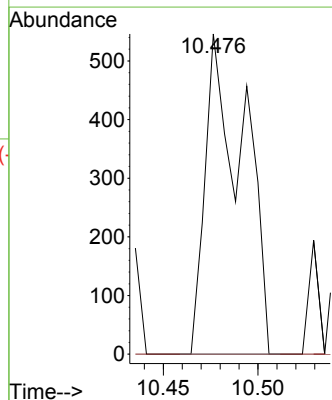
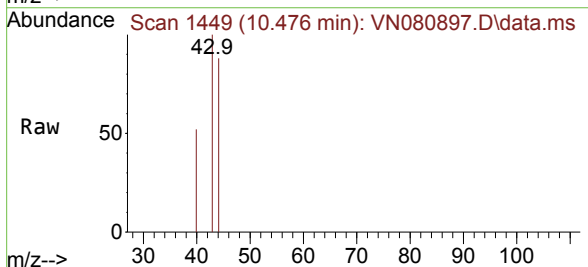
Acq: 05 Feb 2024 15:26

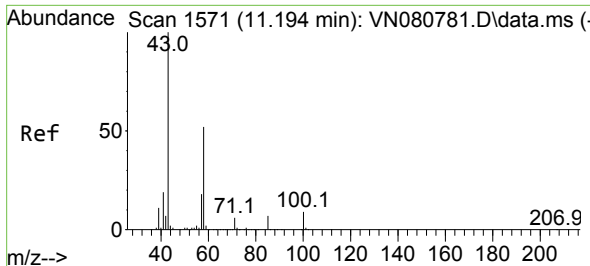
Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#

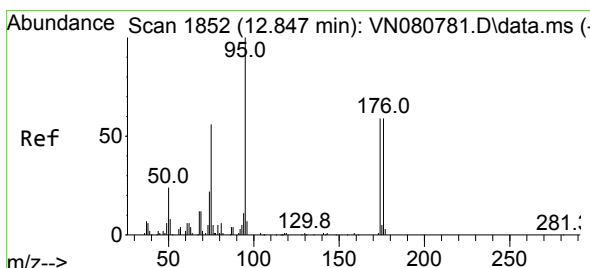
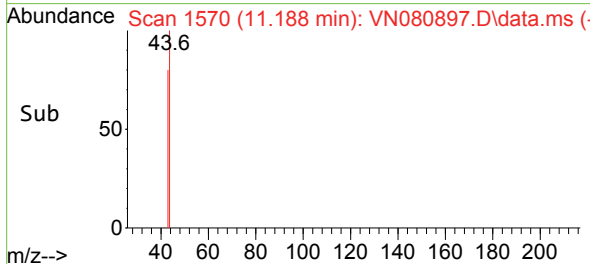
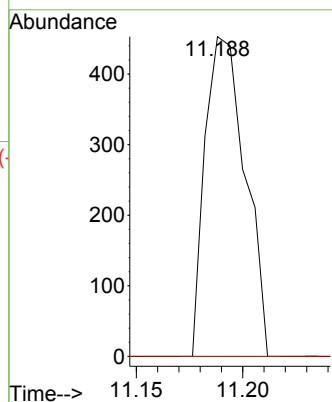
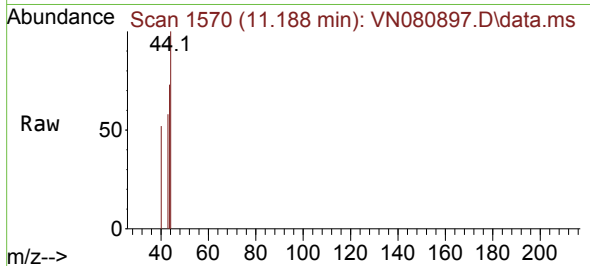




#59
2-Hexanone
Concen: 0.333 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

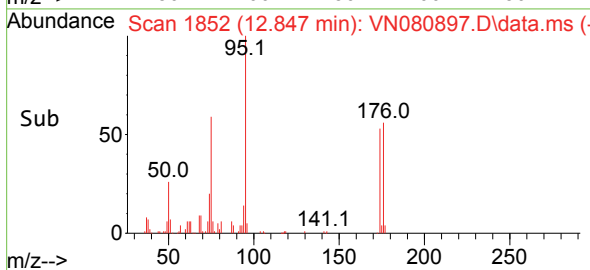
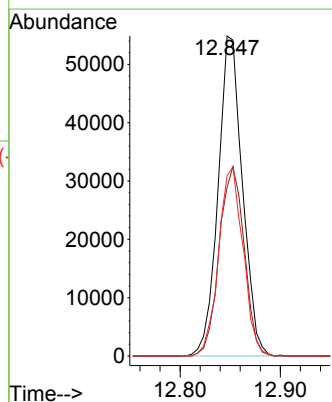
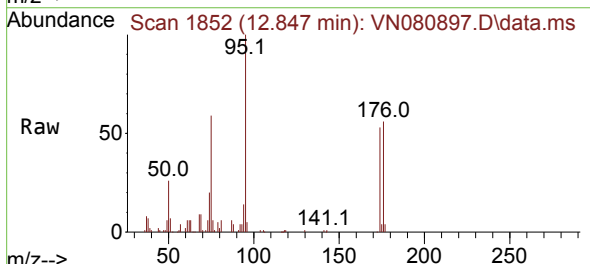
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

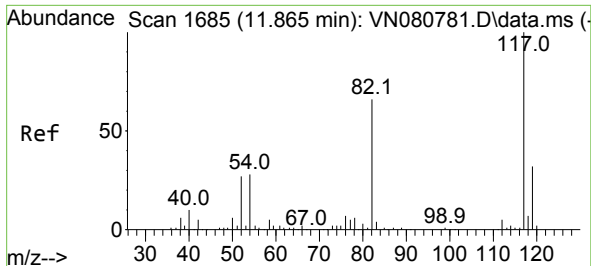
Tgt Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 57.416 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion: 95 Resp: 92343
Ion Ratio Lower Upper
95 100
174 60.6 0.0 120.4
176 59.3 0.0 121.0

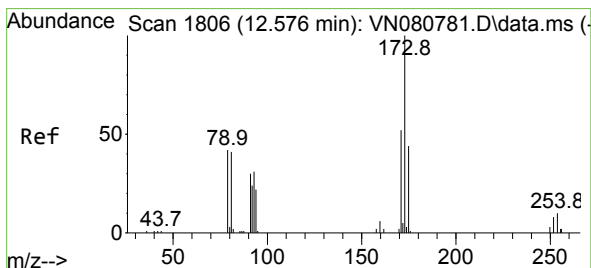
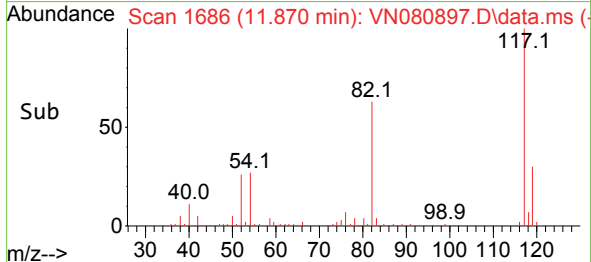
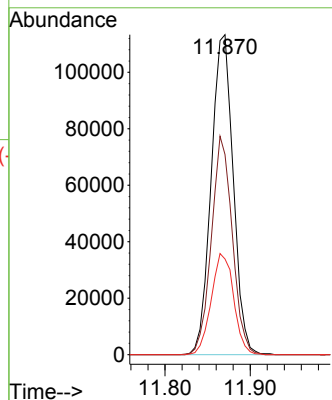
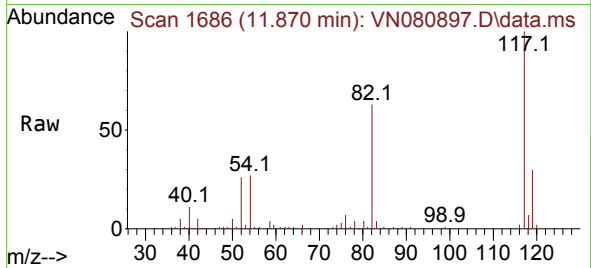




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

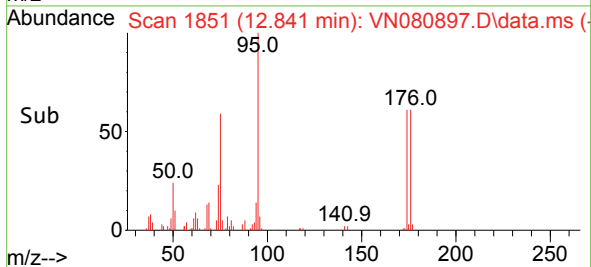
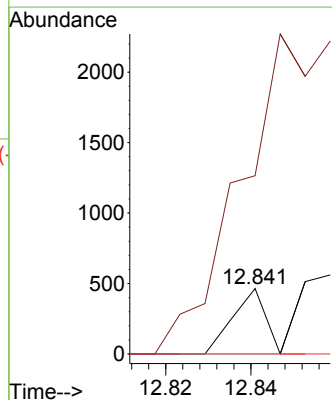
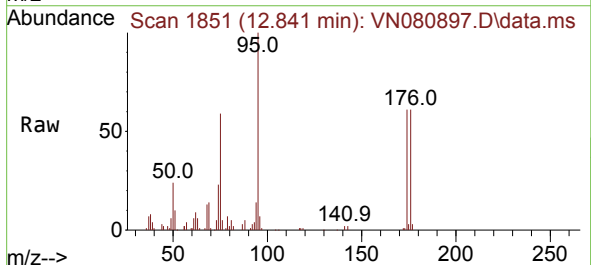
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

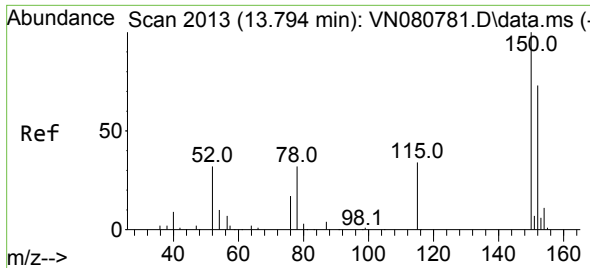
Tgt Ion:117 Resp: 203951
Ion Ratio Lower Upper
117 100
82 62.6 52.7 79.1
119 29.9 25.3 37.9



#71
Bromoform
Concen: 0.253 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion:173 Resp: 248
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.2#
254 0.0 0.0 0.0

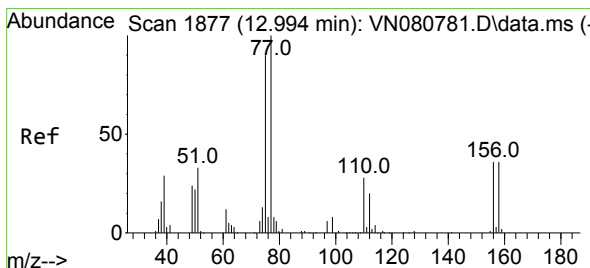
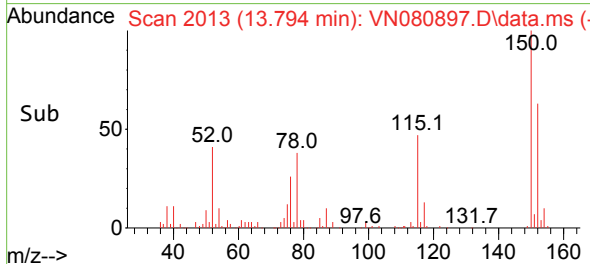
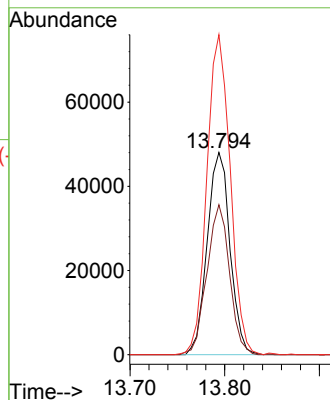
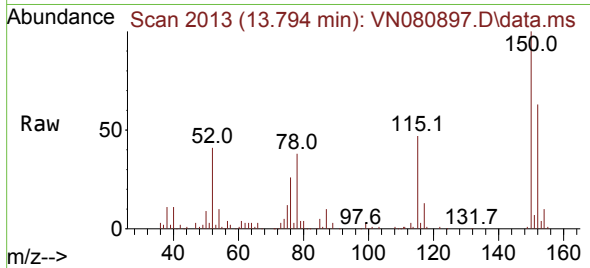




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

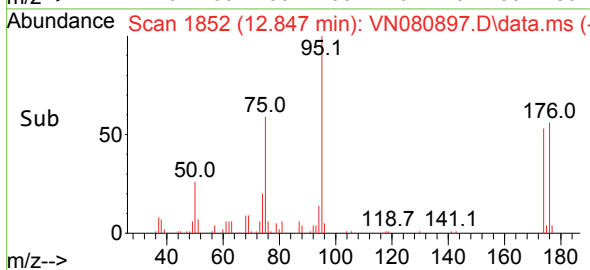
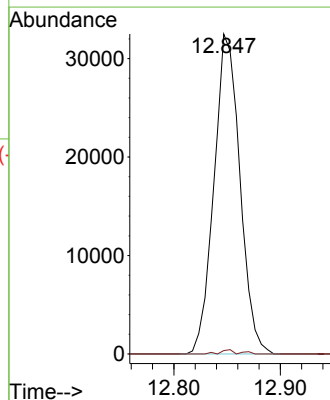
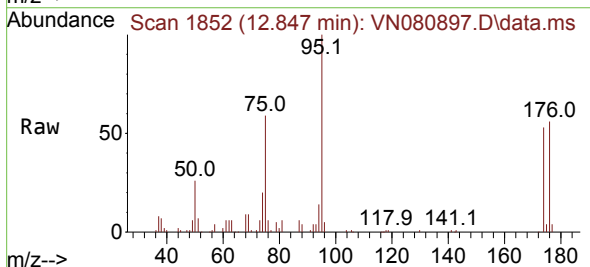
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

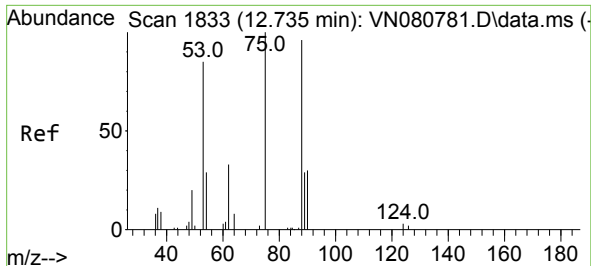
Tgt Ion:152 Resp: 80317
Ion Ratio Lower Upper
152 100
115 73.6 32.3 96.8
150 161.8 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 22.670 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion: 75 Resp: 54914
Ion Ratio Lower Upper
75 100
77 0.9 91.0 272.8#

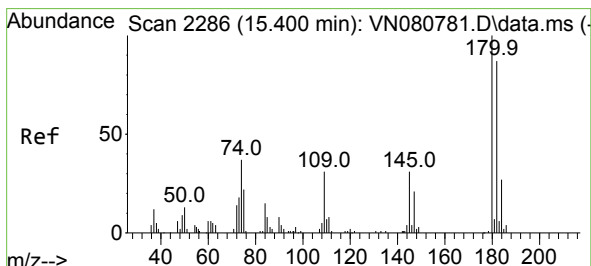
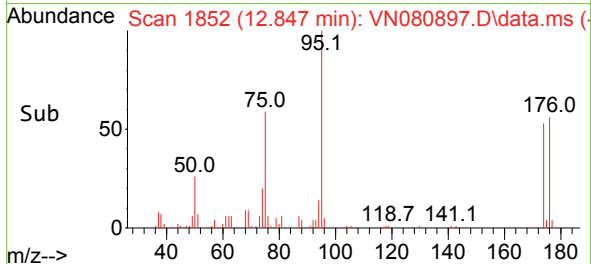
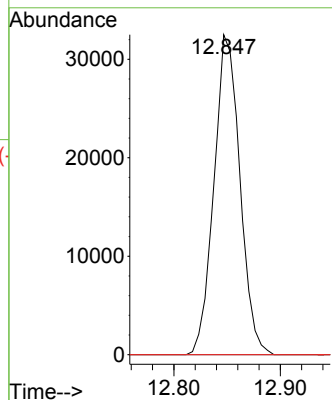
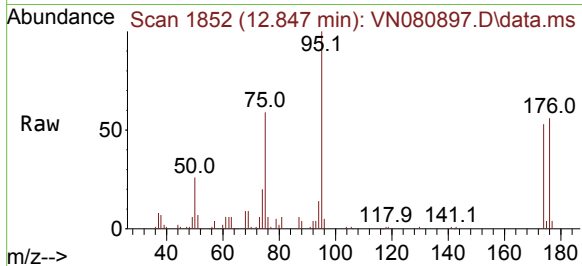




#81
trans-1,4-Dichloro-2-butene
Concen: 58.401 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

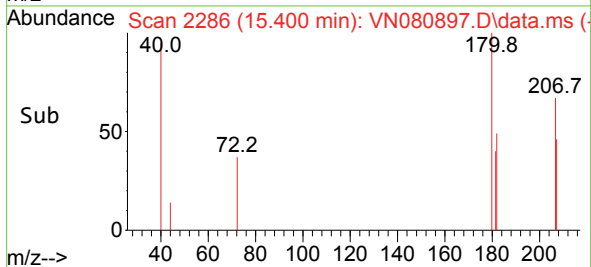
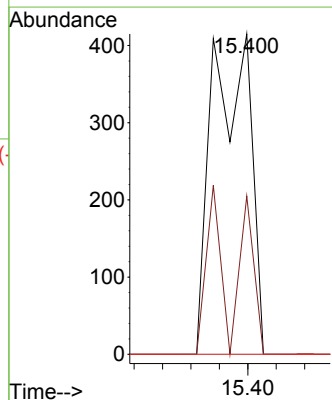
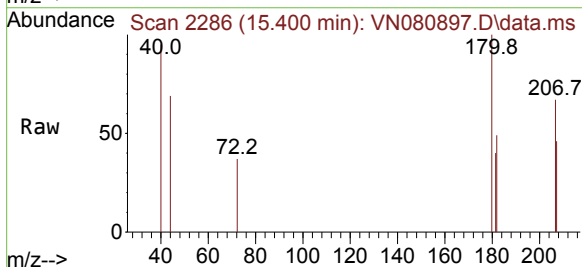
Instrument :
MSVOA_N
ClientSampleId :
T60-AOP

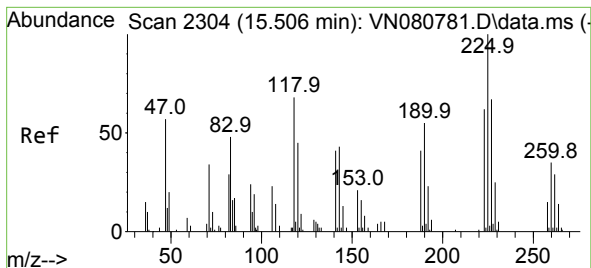
Tgt Ion: 75 Resp: 54914
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.293 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN080897.D
Acq: 05 Feb 2024 15:26

Tgt Ion:180 Resp: 388
Ion Ratio Lower Upper
180 100
182 38.7 46.6 139.7#
145 0.0 16.8 50.3#





#94

Hexachlorobutadiene

Concen: 0.503 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.006 min

Lab File: VN080897.D

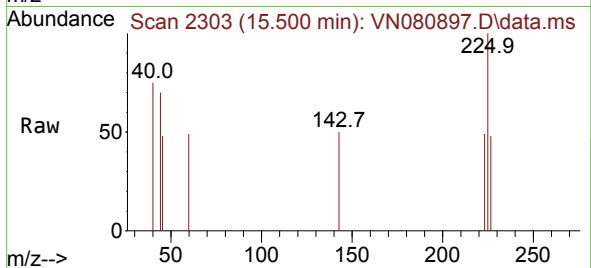
Acq: 05 Feb 2024 15:26

Instrument :

MSVOA_N

ClientSampleId :

T60-AOP



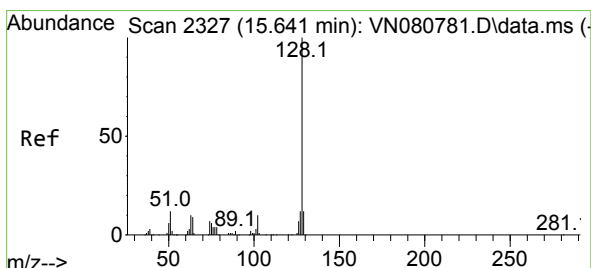
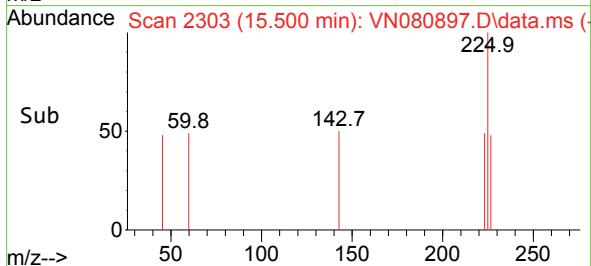
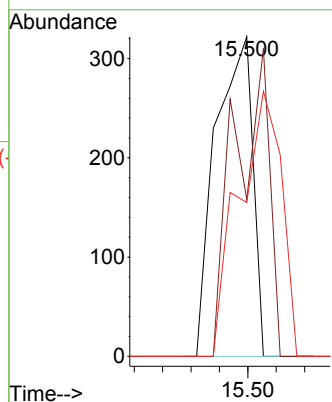
Tgt Ion:225 Resp: 291

Ion Ratio Lower Upper

225 100

223 88.3 33.3 99.8

227 95.9 33.1 99.2



#95

Naphthalene

Concen: 0.321 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080897.D

Acq: 05 Feb 2024 15:26

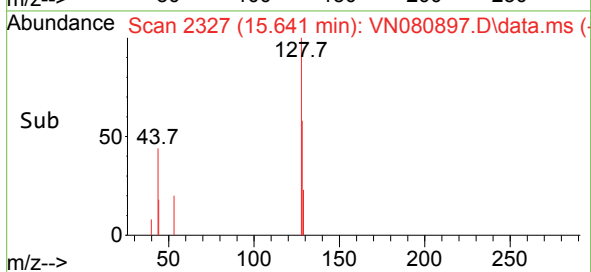
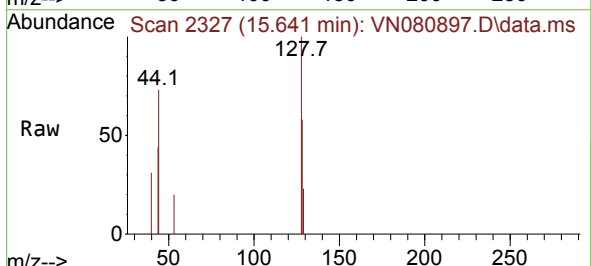
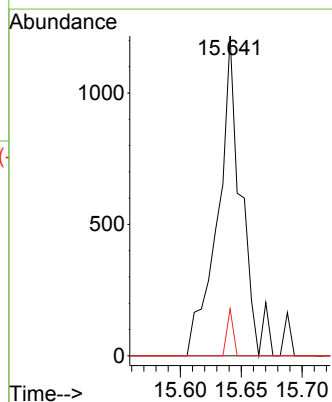
Tgt Ion:128 Resp: 1628

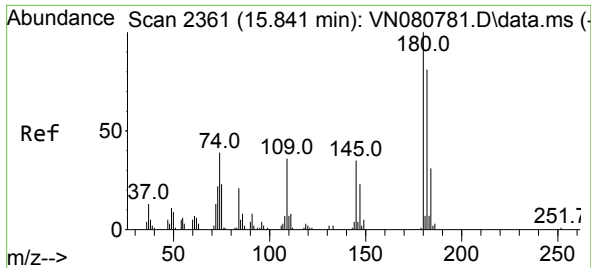
Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 3.9 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080897.D
 Acq: 05 Feb 2024 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 T60-AOP

Tgt Ion:180 Resp: 401
 Ion Ratio Lower Upper
 180 100
 182 169.1 46.5 139.3#
 145 17.0 17.8 53.4#

