

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013124\
 Data File : VN080849.D
 Acq On : 31 Jan 2024 18:43
 Operator : JC\MD
 Sample : P1284-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1247

Quant Time: Jan 31 23:21:15 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)

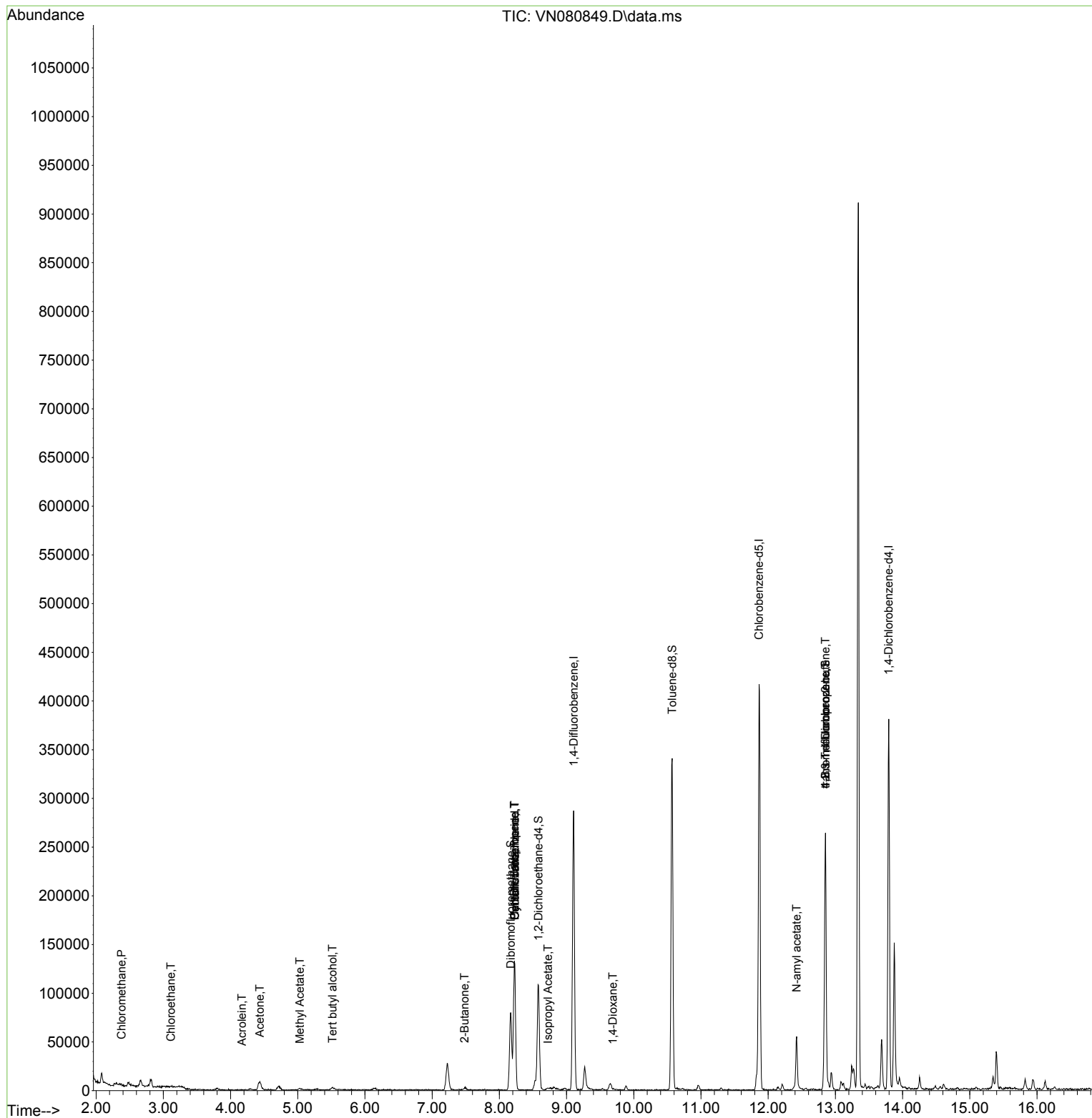
Internal Standards						
1) Pentafluorobenzene	8.229	168	82324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	86709	60.883	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.760%	
35) Dibromofluoromethane	8.171	113	54403	41.059	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 82.120%	
50) Toluene-d8	10.570	98	220198	42.460	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 84.920%#	
62) 4-Bromofluorobenzene	12.853	95	84930	46.996	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1887	1.027	ug/l #	79
6) Chloroethane	3.112	64	617	0.828	ug/l #	59
11) Tert butyl alcohol	5.518	59	3986	17.169	ug/l #	76
13) Acrolein	4.171	56	147	0.502	ug/l #	15
16) Acetone	4.436	43	17134	33.172	ug/l	92
18) Methyl Acetate	5.030	43	3328	1.849	ug/l #	73
25) 2-Butanone	7.482	43	3811	3.885	ug/l	95
31) Cyclohexane	8.229	56	3247	1.330	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	9490	3.853	ug/l #	53
38) Carbon Tetrachloride	8.229	117	10527	5.305	ug/l #	17
43) Isopropyl Acetate	8.724	43	1249	0.271	ug/l #	57
49) 1,4-Dioxane	9.688	88	326	12.095	ug/l #	58
74) N-amyl acetate	12.423	43	13115	2.773	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	50431	20.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	50431	51.782	ug/l #	14

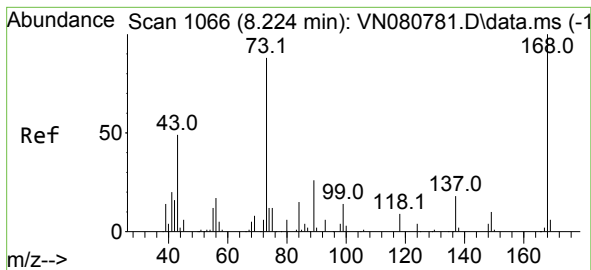
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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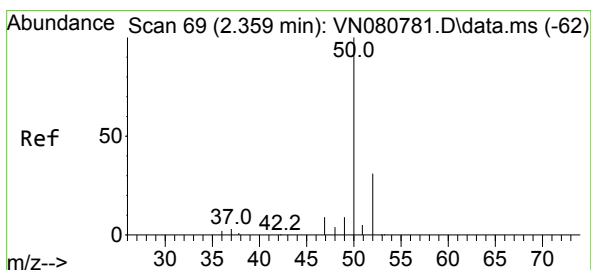
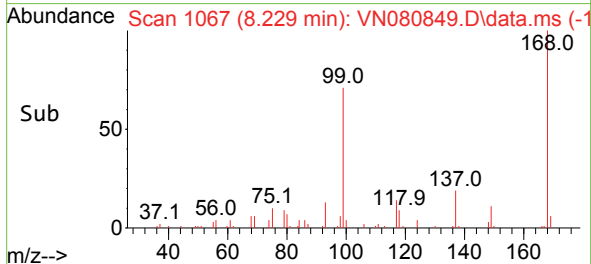
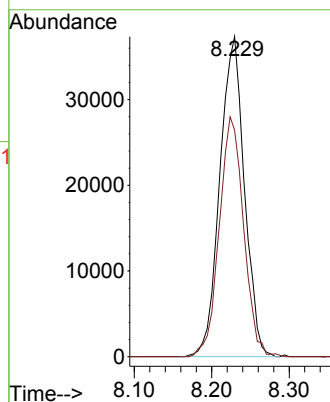
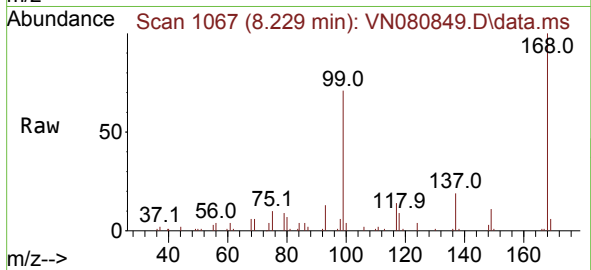




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

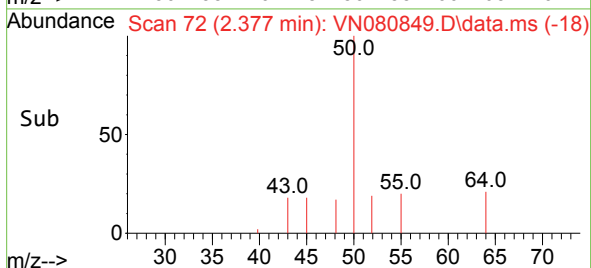
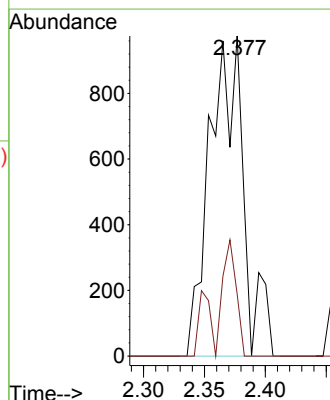
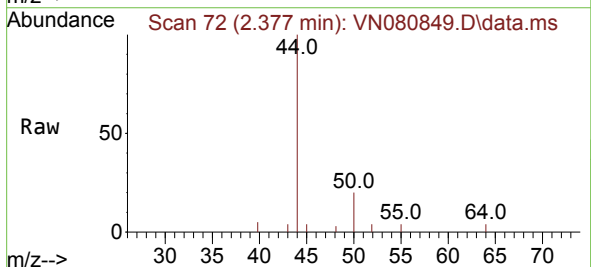
Instrument :
MSVOA_N
ClientSampleId :
1247

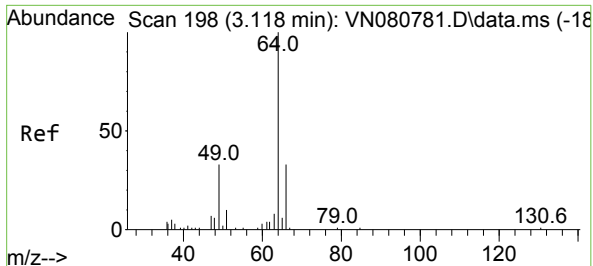
Tgt Ion:168 Resp: 82324
Ion Ratio Lower Upper
168 100
99 70.8 59.9 89.9



#3
Chloromethane
Concen: 1.027 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.018 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion: 50 Resp: 1887
Ion Ratio Lower Upper
50 100
52 19.4 25.0 37.4#

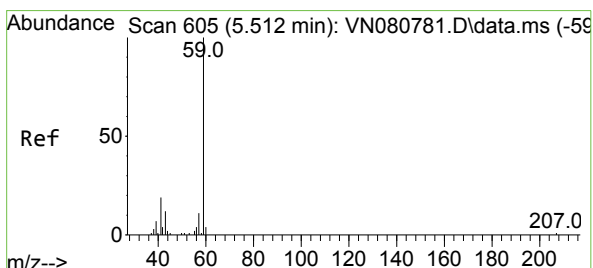
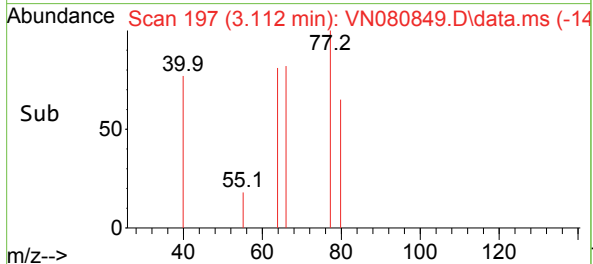
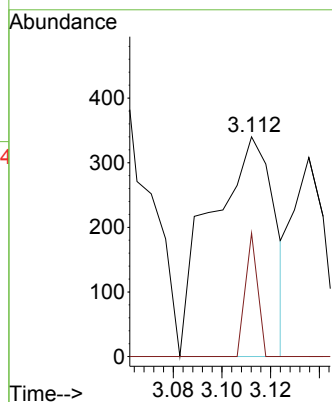
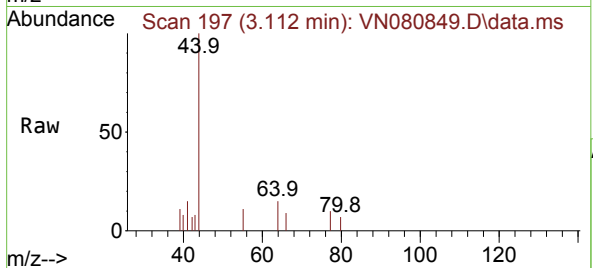




#6
Chloroethane
Concen: 0.828 ug/l
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

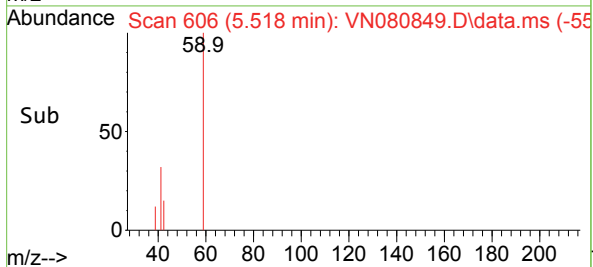
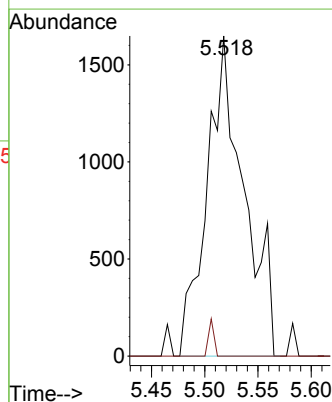
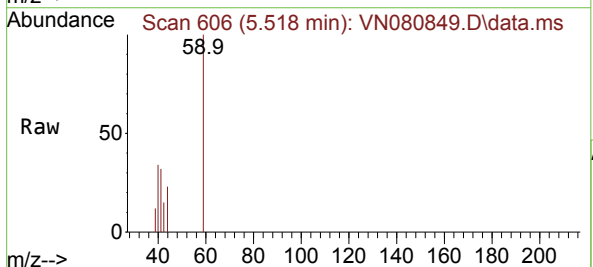
Instrument :
MSVOA_N
ClientSampleId :
1247

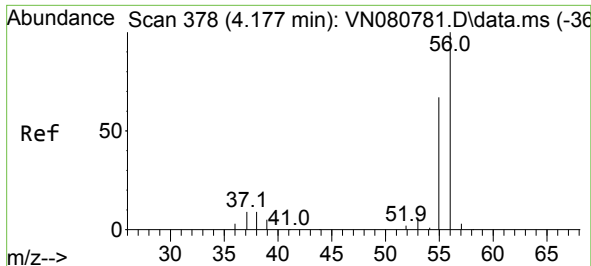
Tgt Ion: 64 Resp: 617
Ion Ratio Lower Upper
64 100
66 56.2 26.4 39.6#



#11
Tert butyl alcohol
Concen: 17.169 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion: 59 Resp: 3986
Ion Ratio Lower Upper
59 100
57 1.7 8.6 12.8#





#13

Acrolein

Concen: 0.502 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

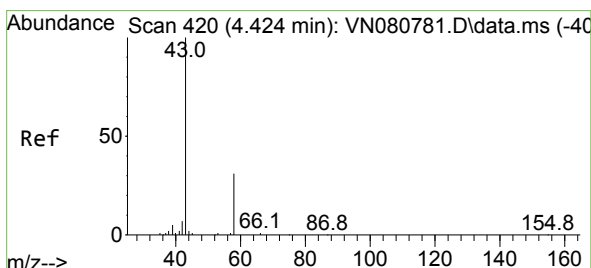
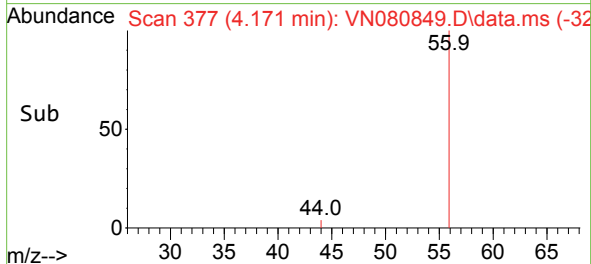
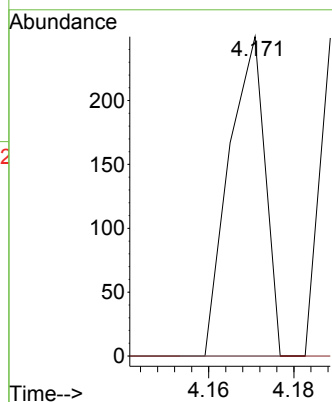
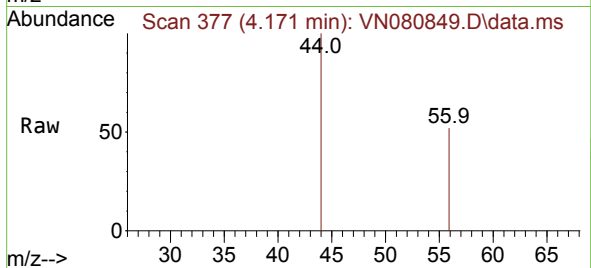
1247

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



#16

Acetone

Concen: 33.172 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080849.D

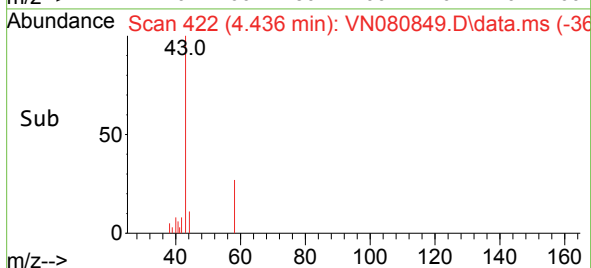
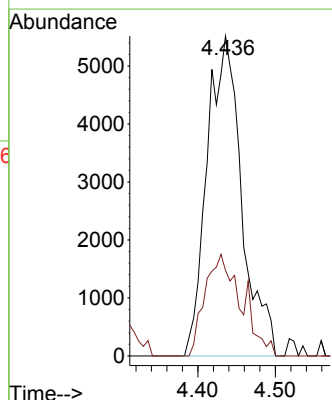
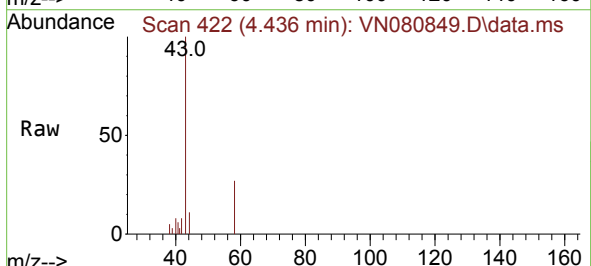
Acq: 31 Jan 2024 18:43

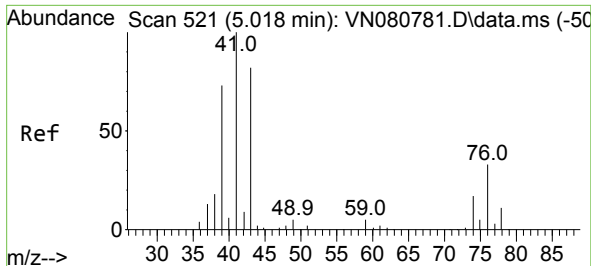
Tgt Ion: 43 Resp: 17134

Ion Ratio Lower Upper

43 100

58 26.7 24.8 37.2

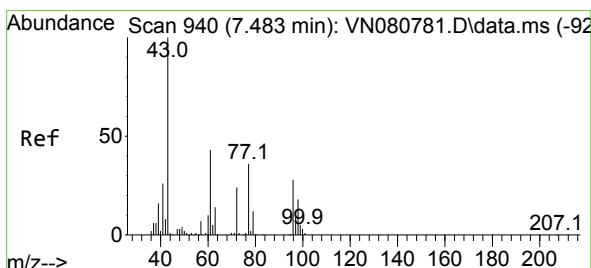
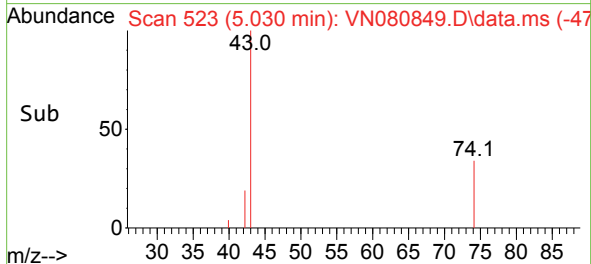
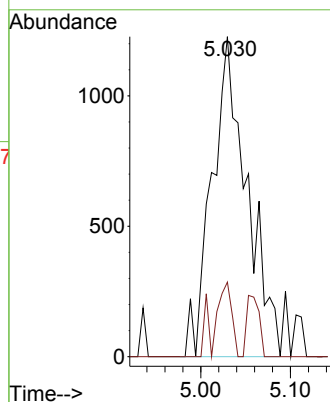
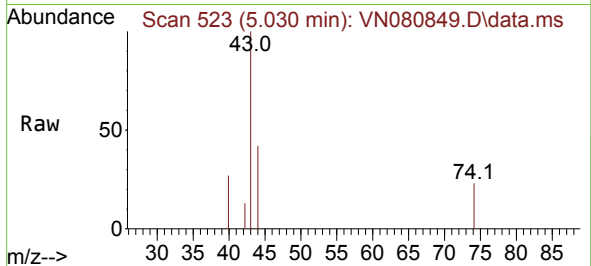




#18
Methyl Acetate
Concen: 1.849 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

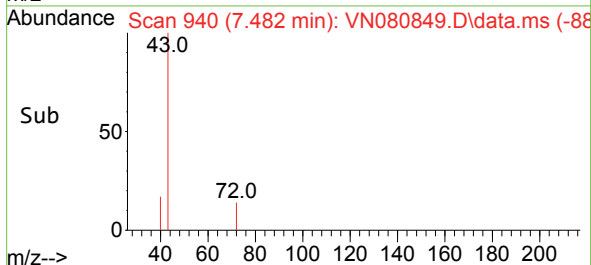
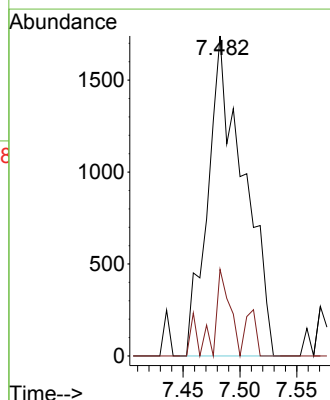
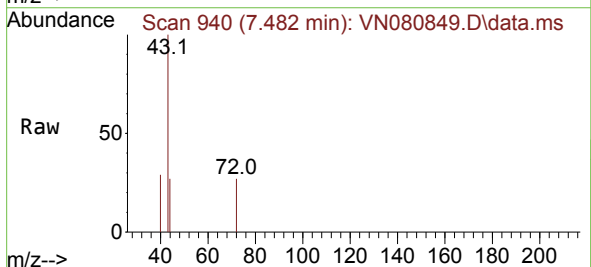
Instrument :
MSVOA_N
ClientSampleId :
1247

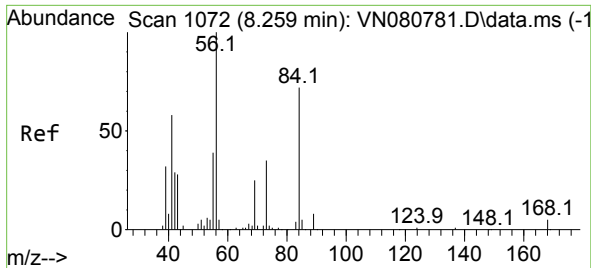
Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
74 9.0 17.3 25.9#



#25
2-Butanone
Concen: 3.885 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

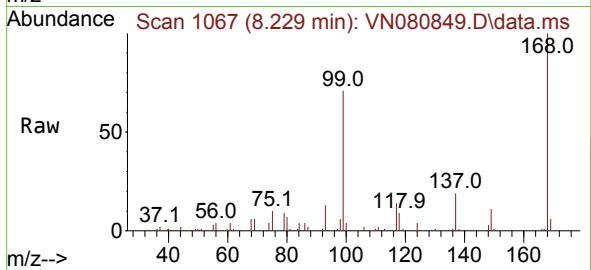
Tgt Ion: 43 Resp: 3811
Ion Ratio Lower Upper
43 100
72 27.1 19.5 29.3



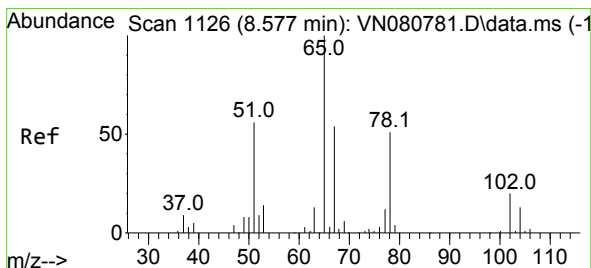
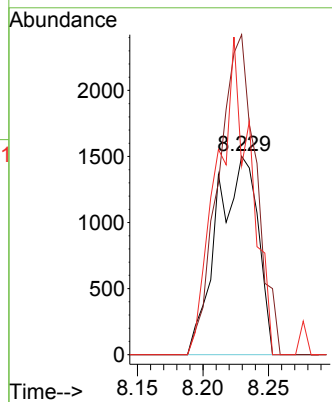
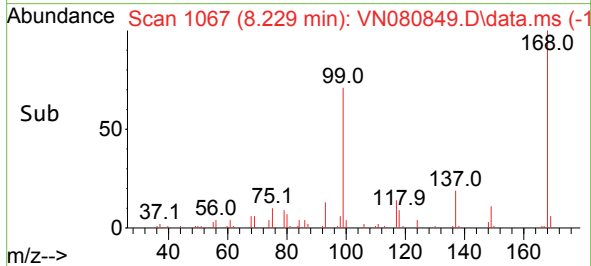


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 8.229 min Scan# 1072
Delta R.T. -0.030 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :
1247

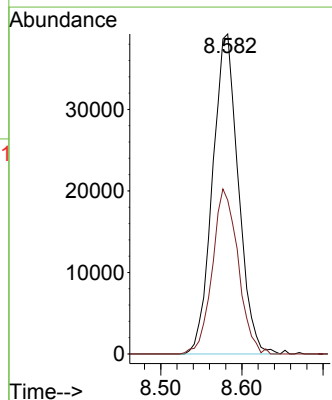
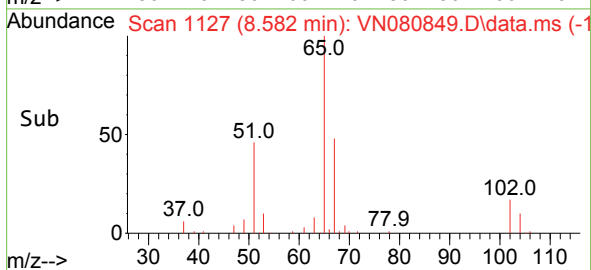
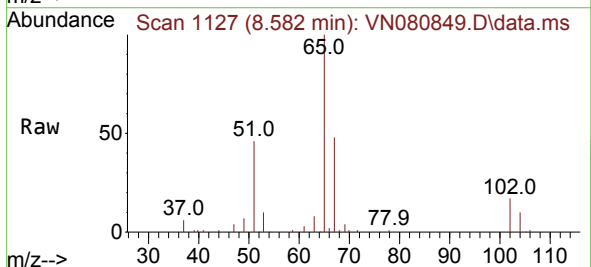


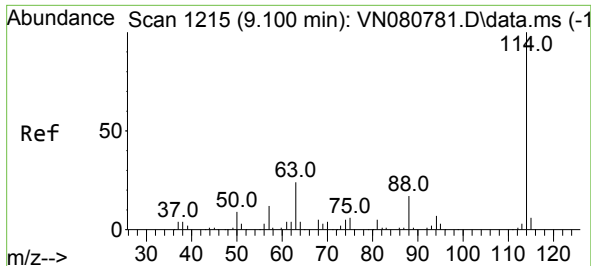
Tgt Ion: 56 Resp: 3247
Ion Ratio Lower Upper
56 100
69 161.3 20.1 30.1#
84 95.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 60.883 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion: 65 Resp: 86709
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

1247

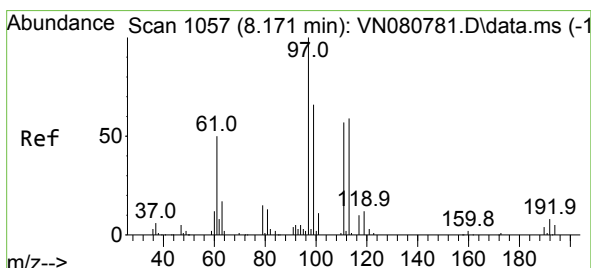
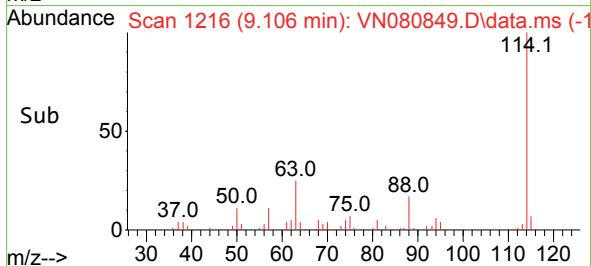
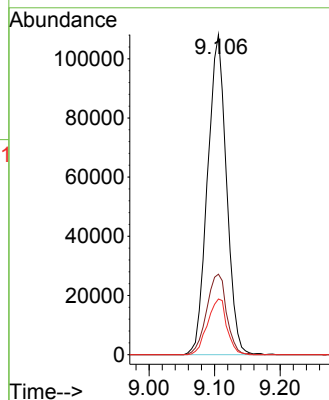
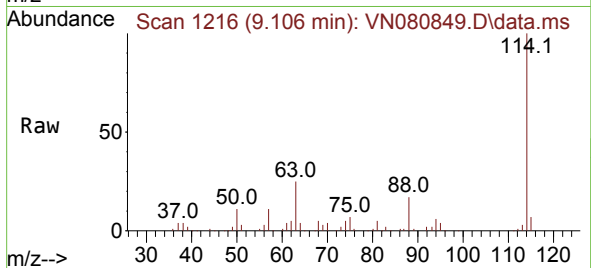
Tgt Ion:114 Resp: 216574

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.0

88 17.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 41.059 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

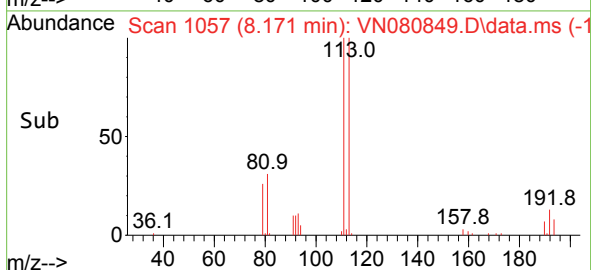
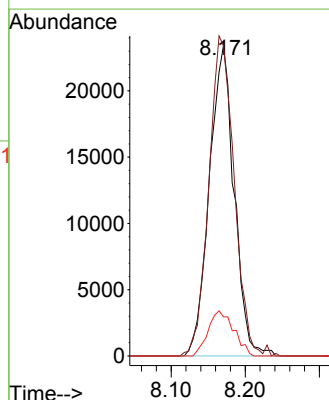
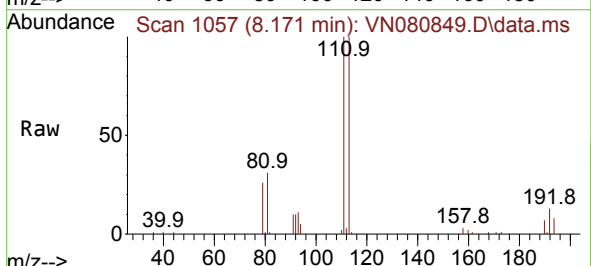
Tgt Ion:113 Resp: 54403

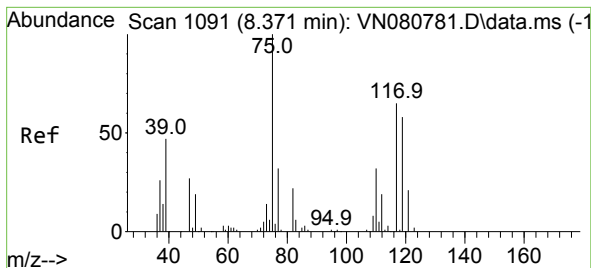
Ion Ratio Lower Upper

113 100

111 104.7 82.2 123.4

192 15.0 12.5 18.7





#36

1,1-Dichloropropene

Concen: 3.853 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

Instrument :

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1247

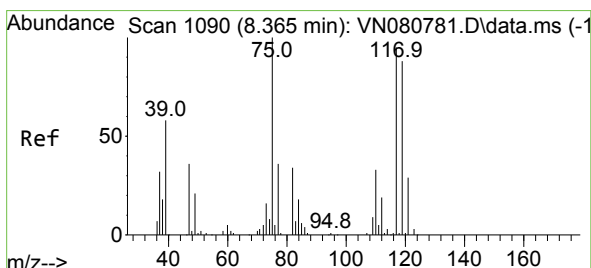
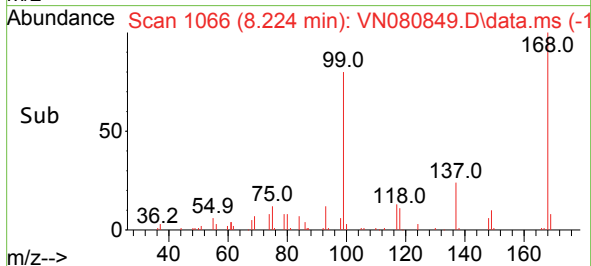
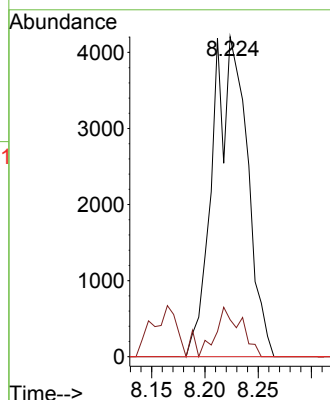
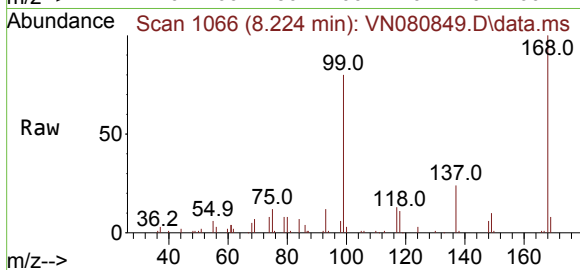
Tgt Ion: 75 Resp: 9490

Ion Ratio Lower Upper

75 100

110 11.4 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 5.305 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

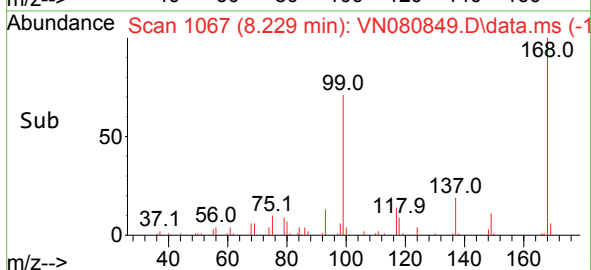
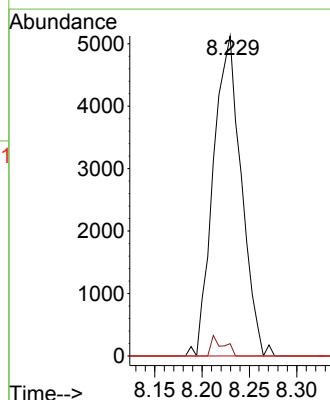
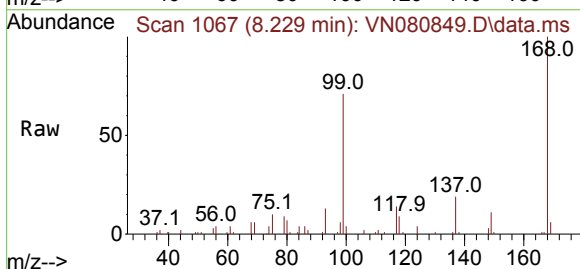
Tgt Ion: 117 Resp: 10527

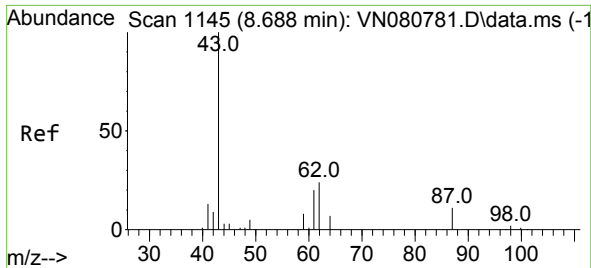
Ion Ratio Lower Upper

117 100

119 3.9 73.4 110.2#

121 0.0 24.4 36.6#

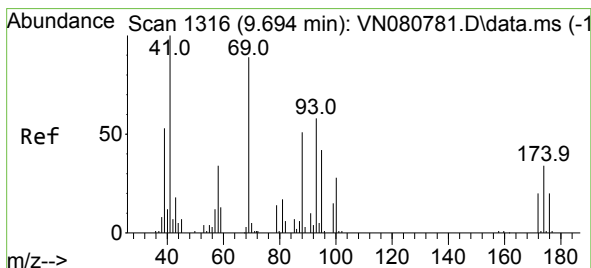
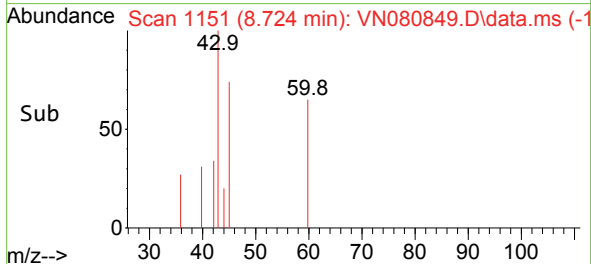
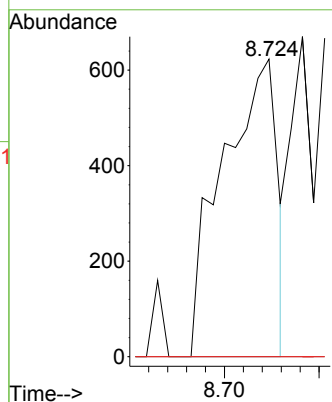
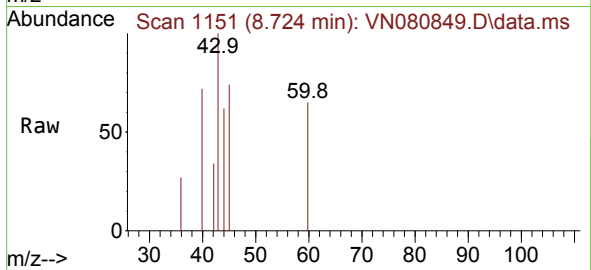




#43
Isopropyl Acetate
Concen: 0.271 ug/l
RT: 8.724 min Scan# 1145
Delta R.T. 0.035 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

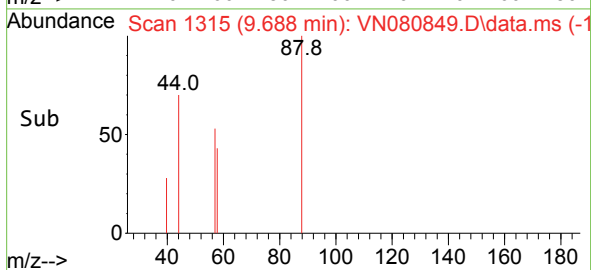
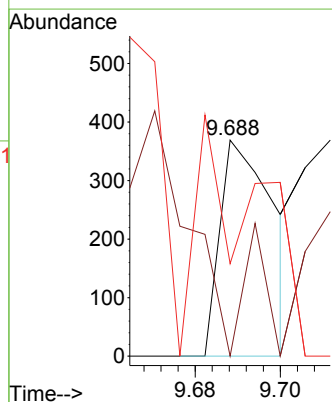
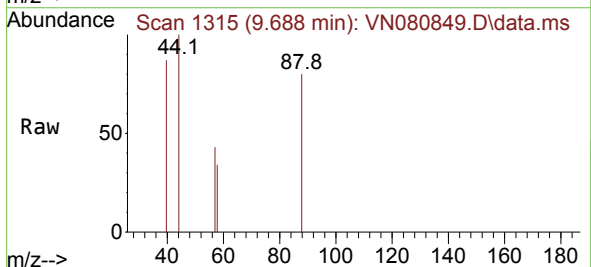
Instrument :
MSVOA_N
ClientSampleId :
1247

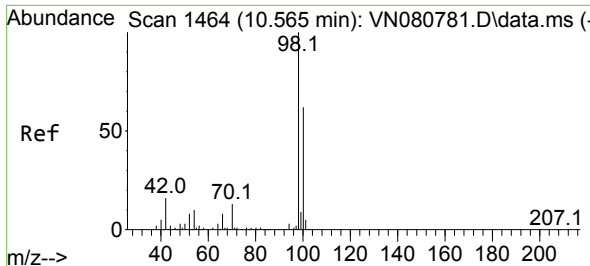
Tgt Ion: 43 Resp: 1249
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#49
1,4-Dioxane
Concen: 12.095 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 24.5 30.1 45.1#
58 125.8 63.9 95.9#

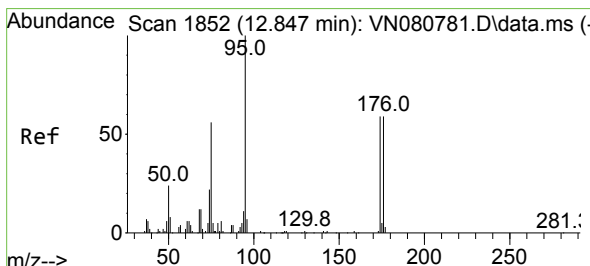
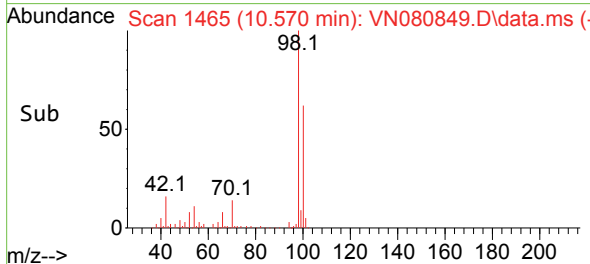
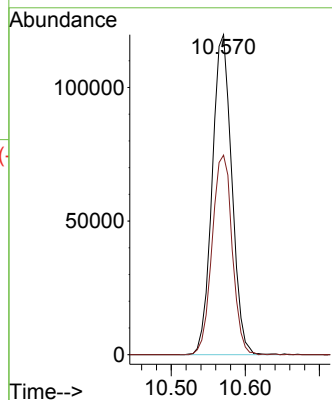
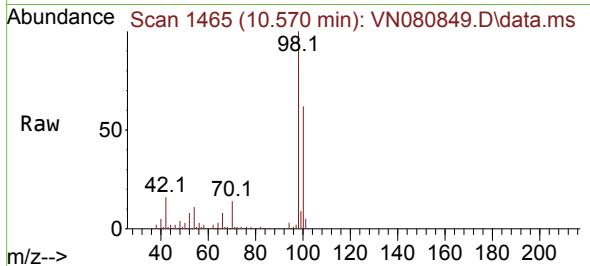




#50
Toluene-d8
Concen: 42.460 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

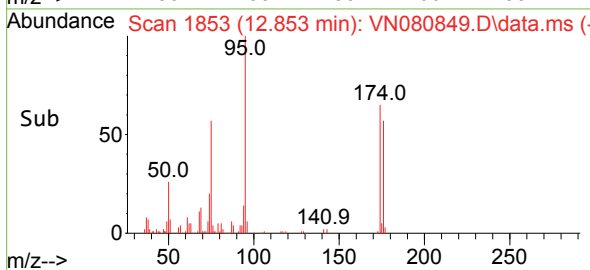
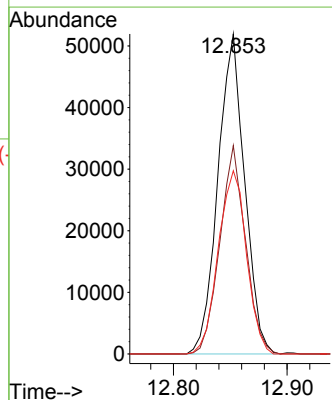
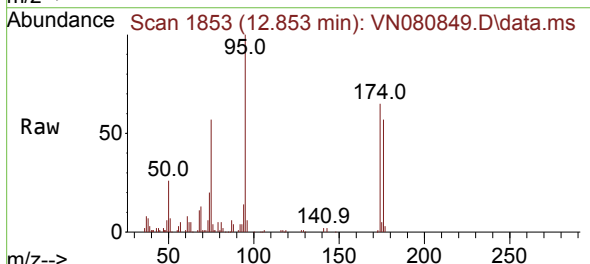
Instrument :
MSVOA_N
ClientSampleId :
1247

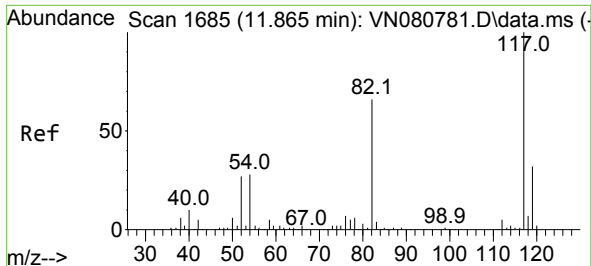
Tgt Ion: 98 Resp: 220198
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 46.996 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion: 95 Resp: 84930
Ion Ratio Lower Upper
95 100
174 62.6 0.0 120.4
176 60.4 0.0 121.0

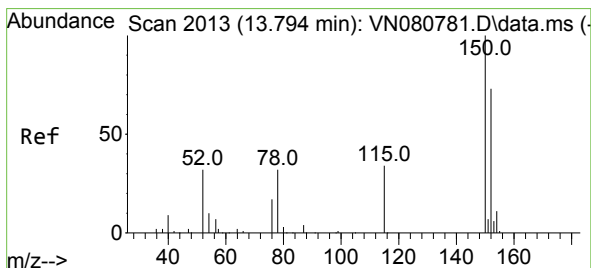
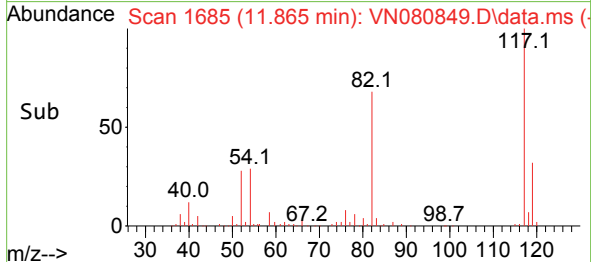
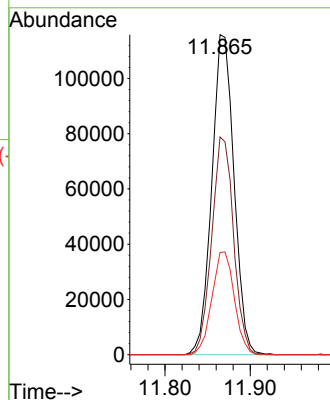
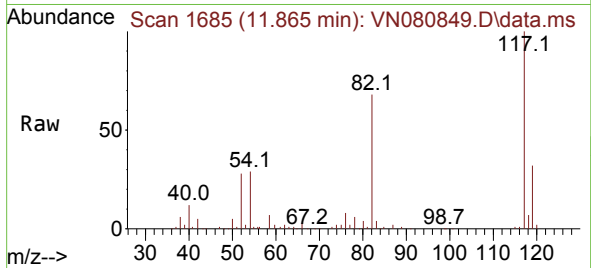




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

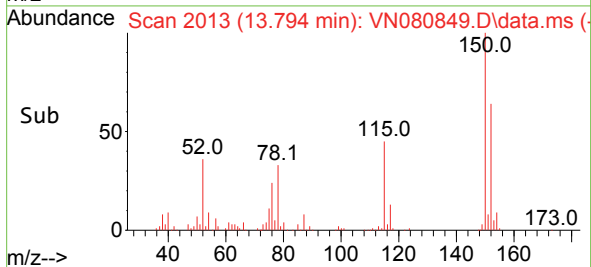
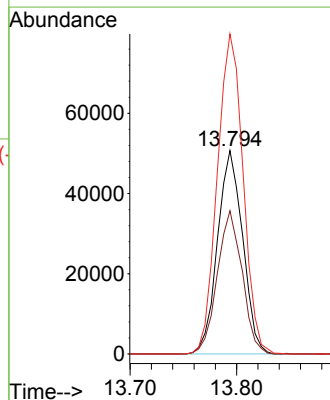
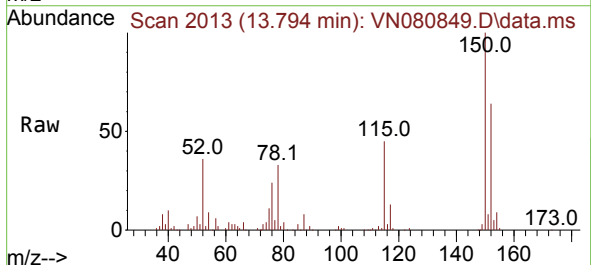
Instrument :
MSVOA_N
ClientSampleId :
1247

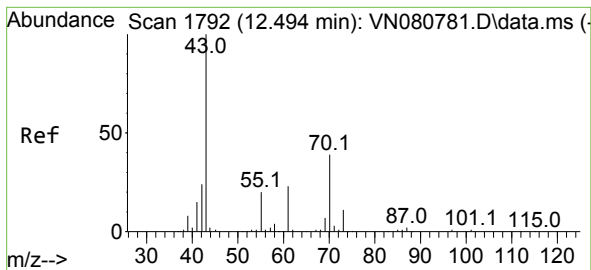
Tgt Ion:117 Resp: 209526
Ion Ratio Lower Upper
117 100
82 68.0 52.7 79.1
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080849.D
Acq: 31 Jan 2024 18:43

Tgt Ion:152 Resp: 83189
Ion Ratio Lower Upper
152 100
115 69.5 32.3 96.8
150 161.0 0.0 339.8





#74

N-amy1 acetate

Concen: 2.773 ug/l

RT: 12.423 min Scan# 1

Delta R.T. -0.071 min

Lab File: VN080849.D

Acq: 31 Jan 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

1247

Tgt Ion: 43 Resp: 13115

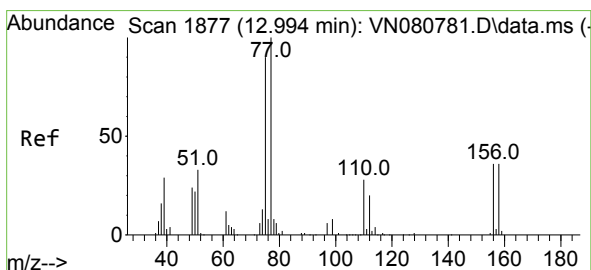
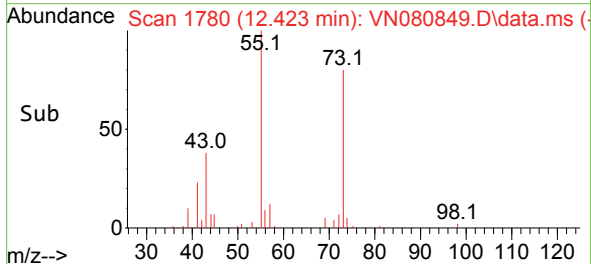
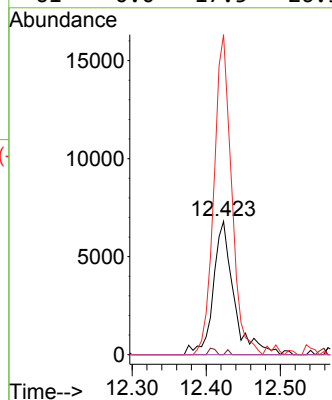
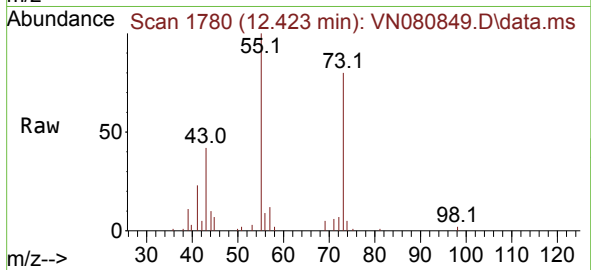
Ion Ratio Lower Upper

43 100

70 0.7 30.1 45.1#

55 206.5 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 20.100 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080849.D

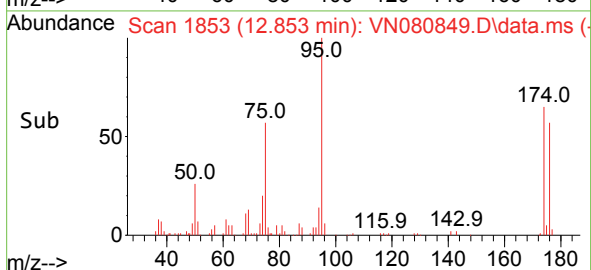
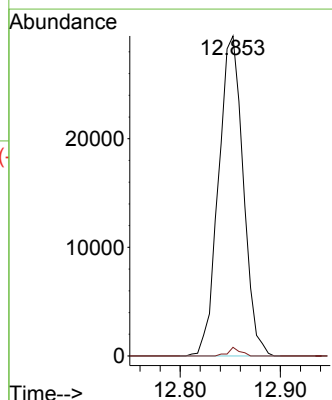
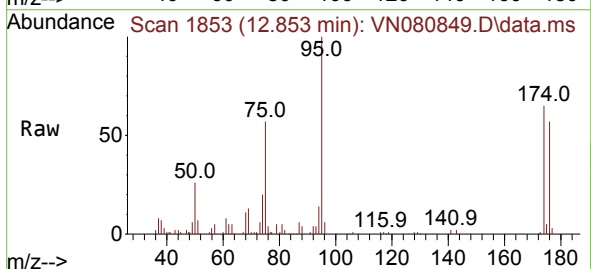
Acq: 31 Jan 2024 18:43

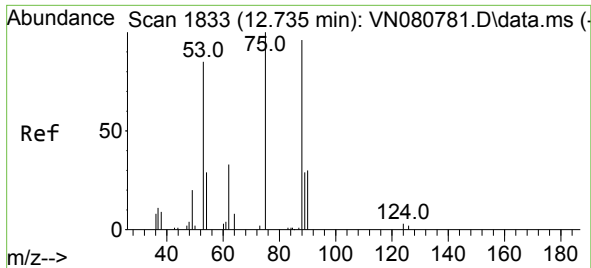
Tgt Ion: 75 Resp: 50431

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.782 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN080849.D
 Acq: 31 Jan 2024 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 1247

Tgt Ion: 75 Resp: 50431
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

