

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032824\
 Data File : VN081602.D
 Acq On : 28 Mar 2024 17:16
 Operator : JC\MD
 Sample : P1916-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: Mar 29 02:46:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	375603	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	664956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	613876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	244212	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	255346	53.309	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.620%
35) Dibromofluoromethane	8.165	113	222419	53.000	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.000%
50) Toluene-d8	10.571	98	816803	53.843	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.680%
62) 4-Bromofluorobenzene	12.853	95	252057	47.155	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	94.300%

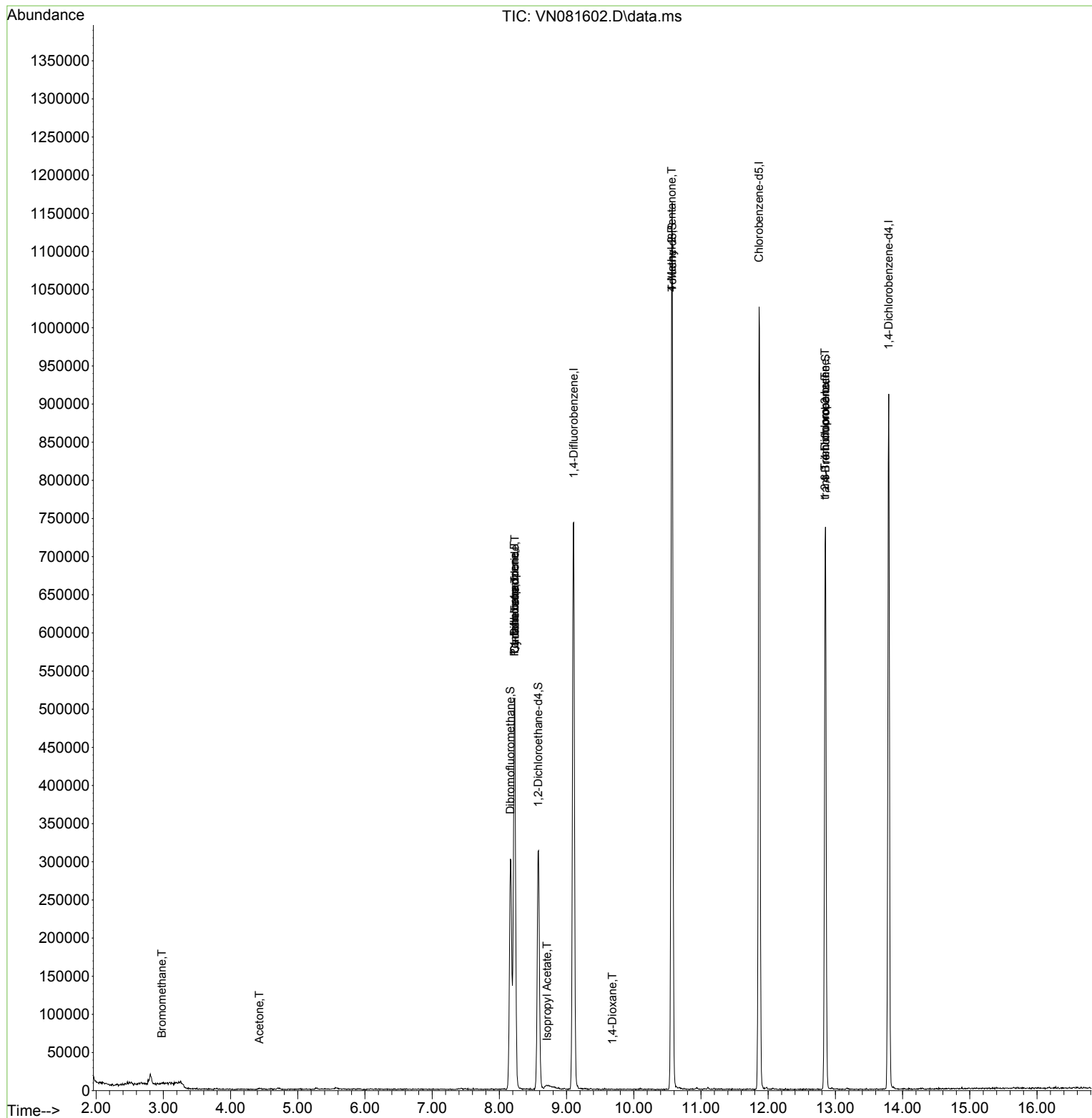
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	1446	0.362	ug/l	87
16) Acetone	4.430	43	1772	1.145	ug/l	# 65
31) Cyclohexane	8.230	56	7762	0.996	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	31459	4.455	ug/l	# 44
38) Carbon Tetrachloride	8.230	117	40114	5.185	ug/l	# 19
43) Isopropyl Acetate	8.712	43	4196	0.419	ug/l	# 57
49) 1,4-Dioxane	9.682	88	72	0.648	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.565	43	3561	0.582	ug/l	# 1
76) 1,2,3-Trichloropropane	12.847	75	133520	22.857	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	133520	61.766	ug/l	# 14

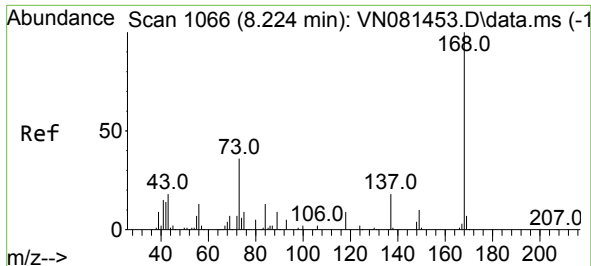
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

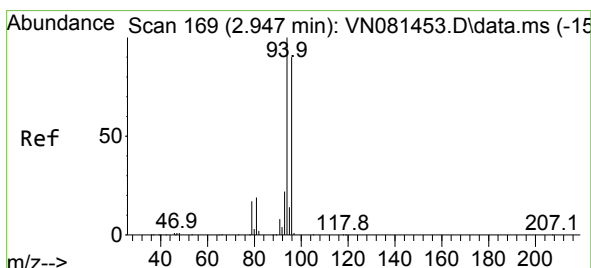
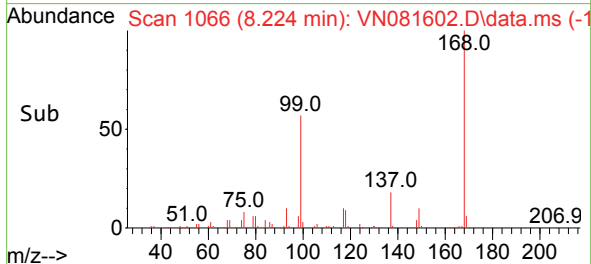
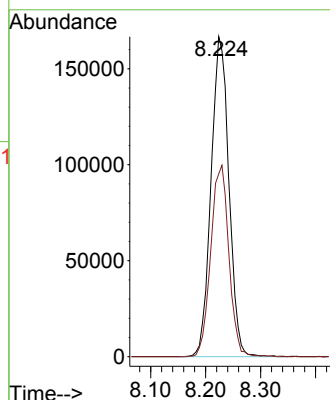
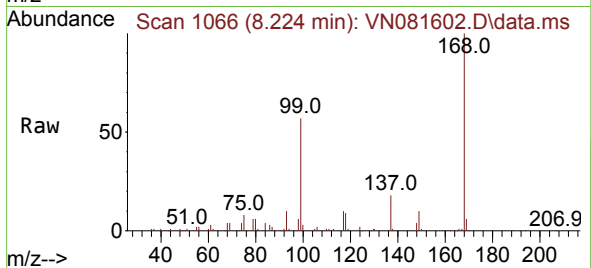




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

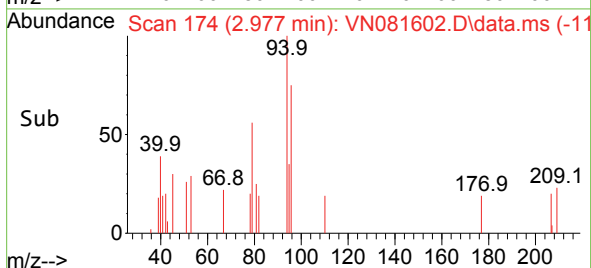
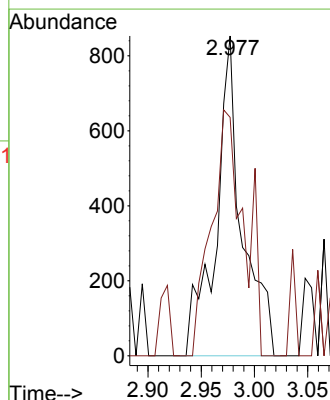
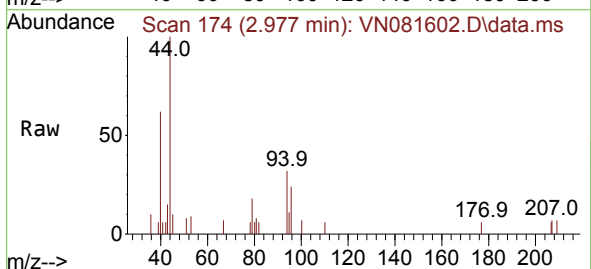
Instrument :
MSVOA_N
ClientSampleId :
MW-4

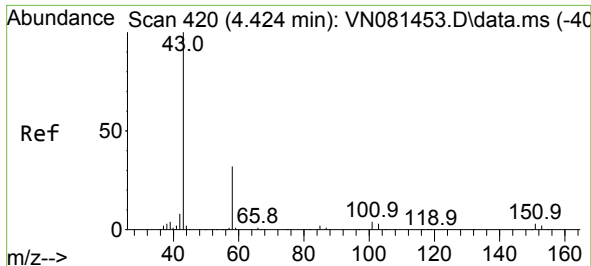
Tgt Ion:168 Resp: 375603
Ion Ratio Lower Upper
168 100
99 57.2 59.9 89.9#



#5
Bromomethane
Concen: 0.362 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.030 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

Tgt Ion: 94 Resp: 1446
Ion Ratio Lower Upper
94 100
96 74.6 69.2 103.8

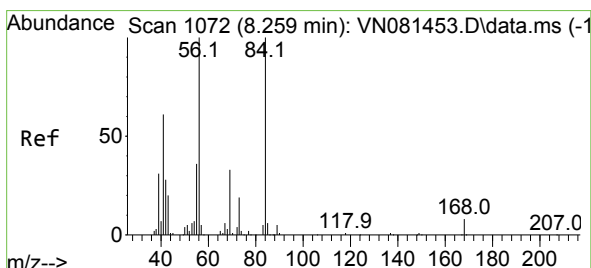
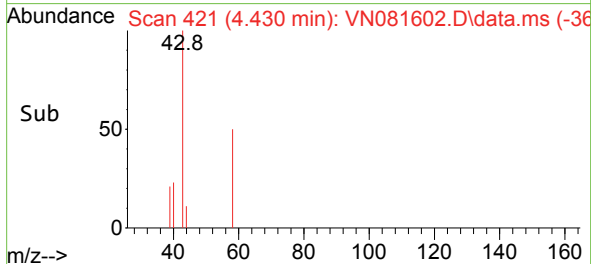
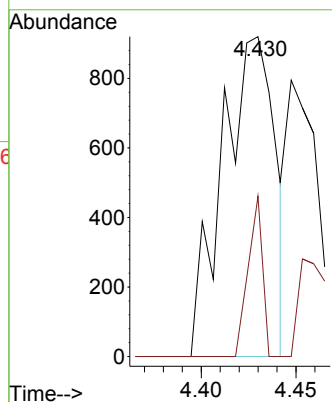
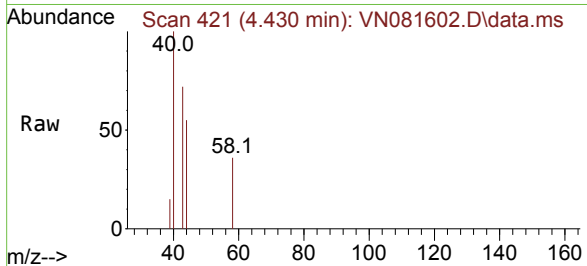




#16
Acetone
Concen: 1.145 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

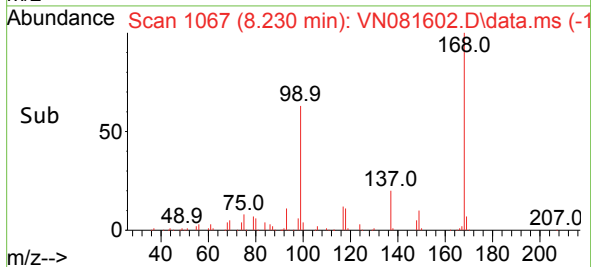
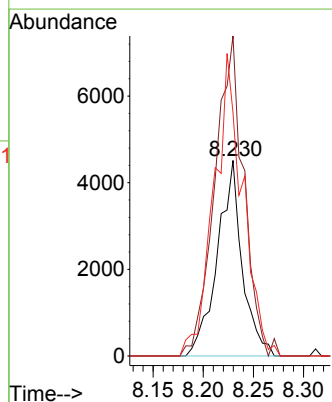
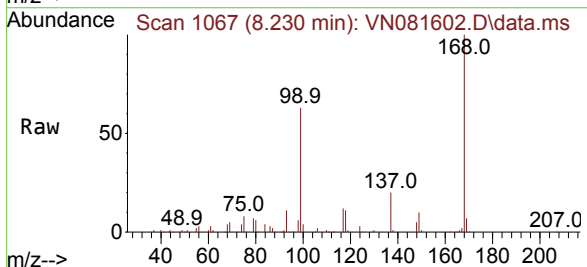
Instrument :
MSVOA_N
ClientSampleId :
MW-4

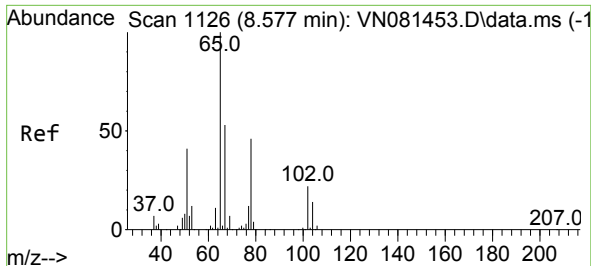
Tgt Ion: 43 Resp: 1772
Ion Ratio Lower Upper
43 100
58 50.1 24.8 37.2#



#31
Cyclohexane
Concen: 0.996 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

Tgt Ion: 56 Resp: 7762
Ion Ratio Lower Upper
56 100
69 163.7 20.1 30.1#
84 124.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 53.309 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

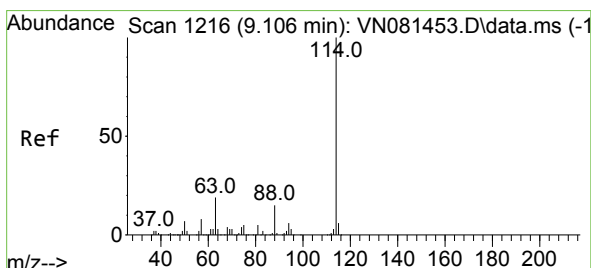
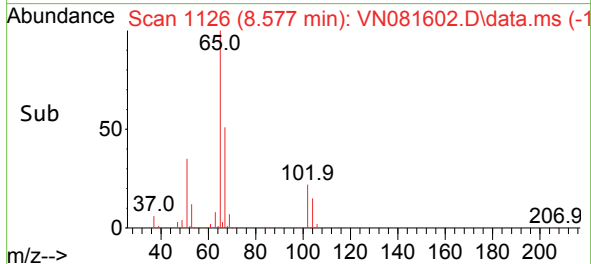
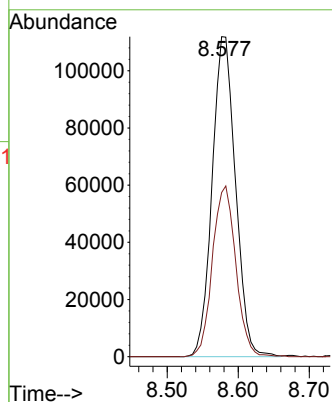
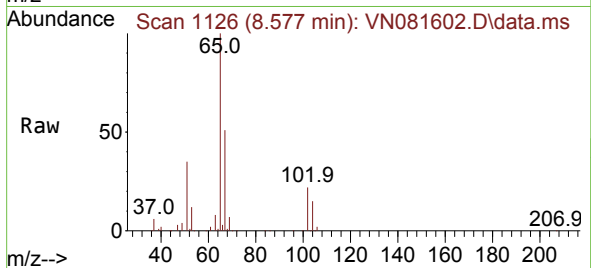
MW-4

Tgt Ion: 65 Resp: 255346

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

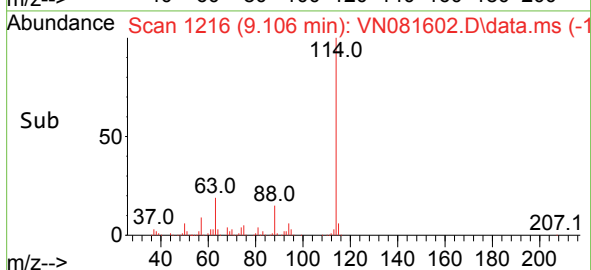
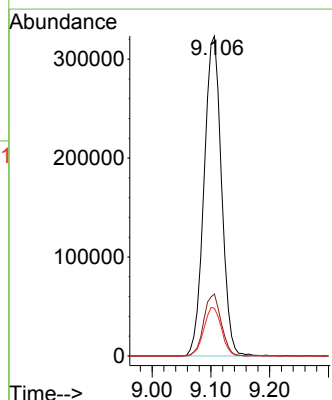
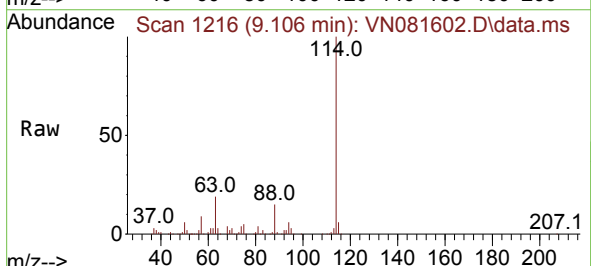
Tgt Ion: 114 Resp: 664956

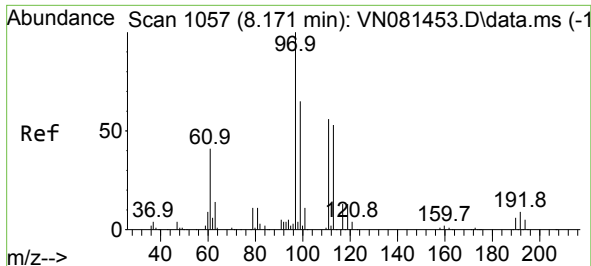
Ion Ratio Lower Upper

114 100

63 19.3 0.0 48.0

88 14.9 0.0 34.8

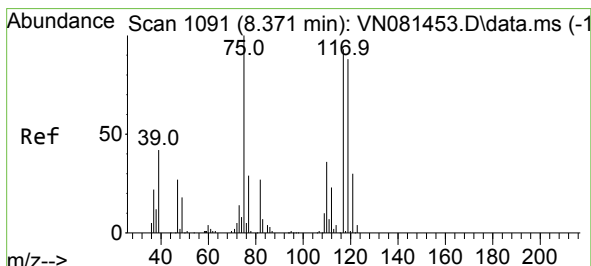
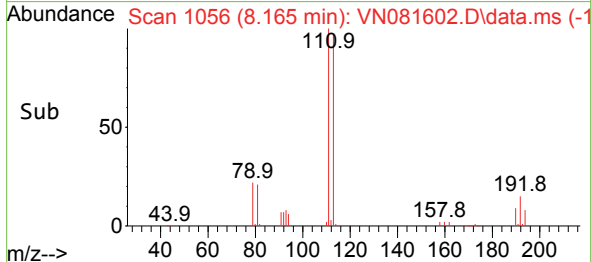
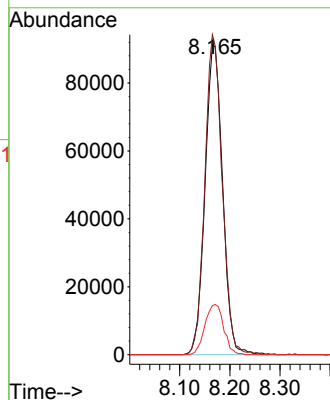
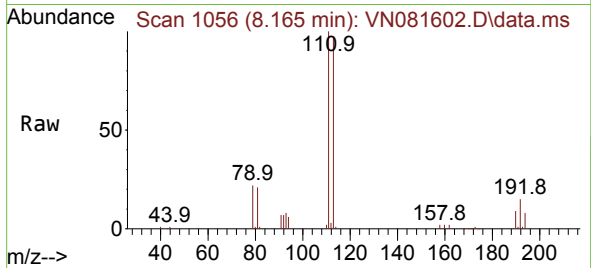




#35
 Dibromofluoromethane
 Concen: 53.000 ug/l
 RT: 8.165 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VN081602.D
 Acq: 28 Mar 2024 17:16

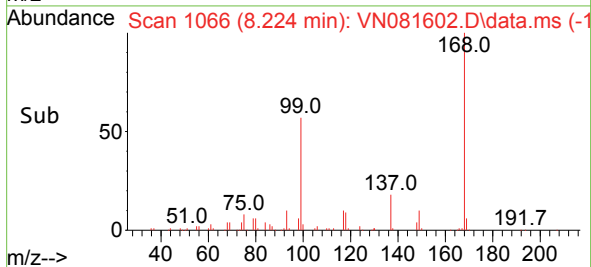
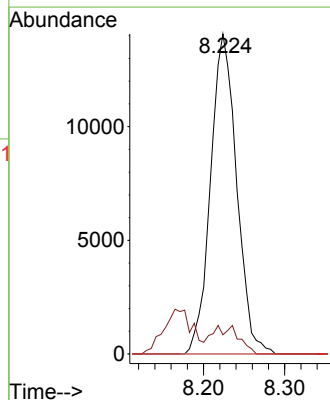
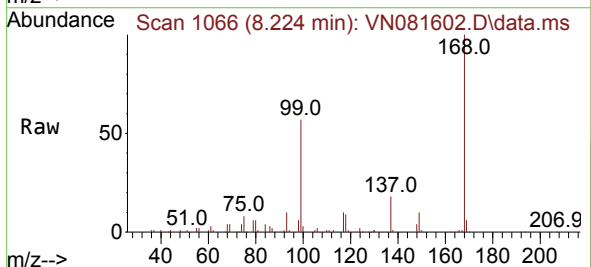
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

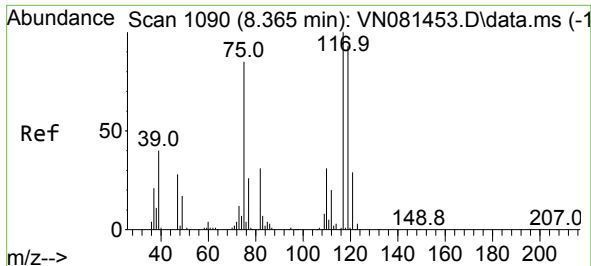
Tgt Ion:113 Resp: 222419
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 17.3 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 4.455 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN081602.D
 Acq: 28 Mar 2024 17:16

Tgt Ion: 75 Resp: 31459
 Ion Ratio Lower Upper
 75 100
 110 2.0 16.0 48.0#
 77 0.0 25.8 38.6#

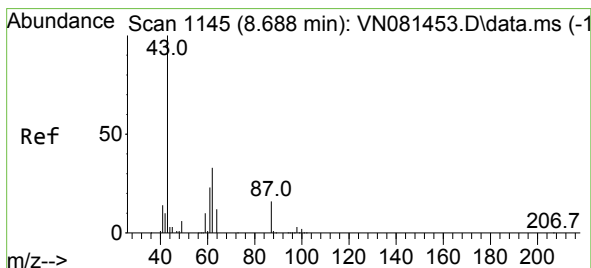
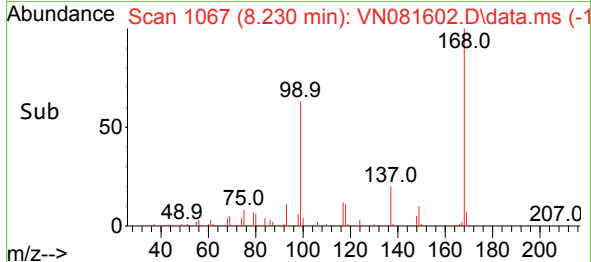
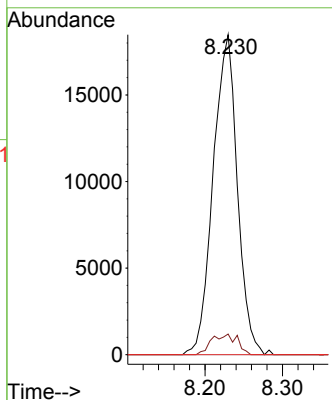
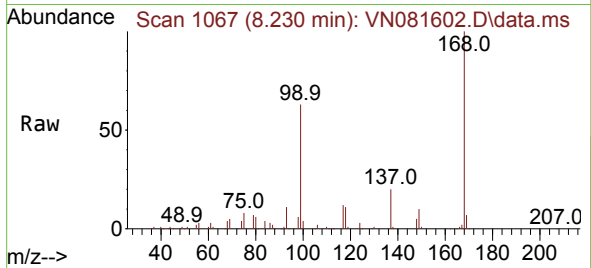




#38
Carbon Tetrachloride
Concen: 5.185 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

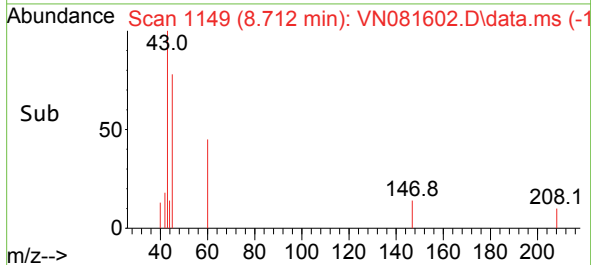
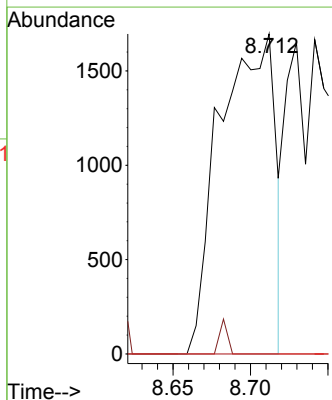
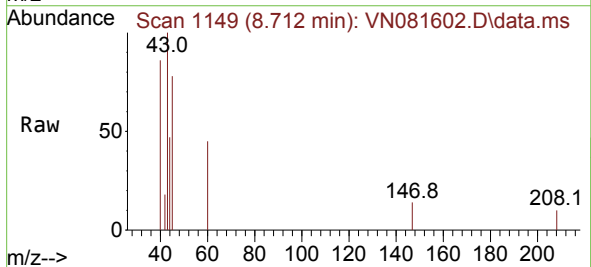
Instrument : MSVOA_N
ClientSampleId : MW-4

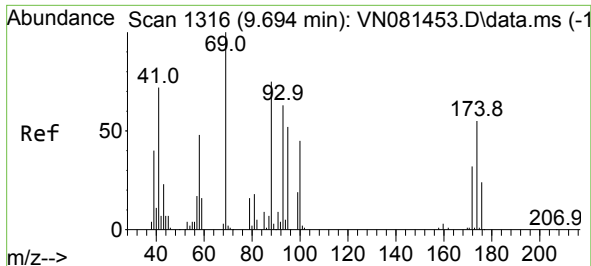
Tgt Ion:117 Resp: 40114
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 0.419 ug/l
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

Tgt Ion: 43 Resp: 4196
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: 0.648 ug/l

RT: 9.682 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW-4

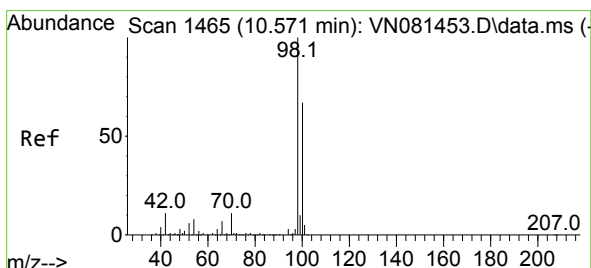
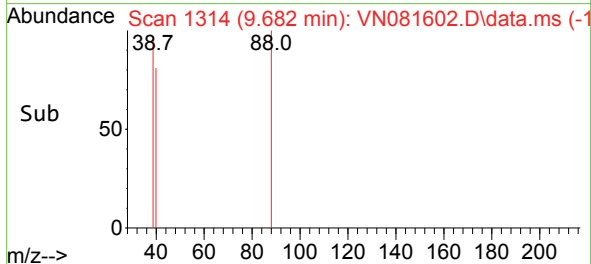
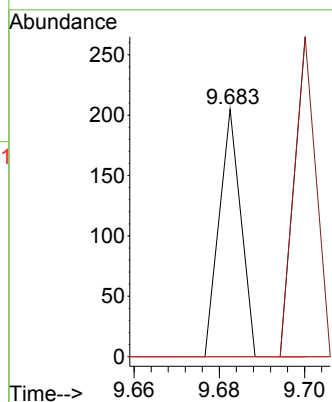
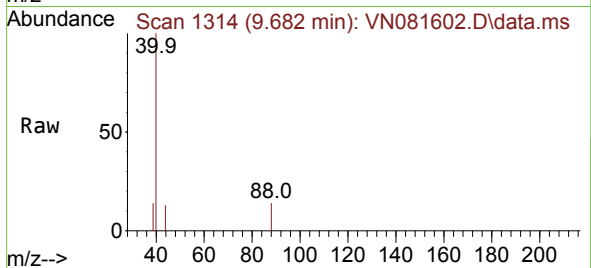
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 130.6 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 53.843 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081602.D

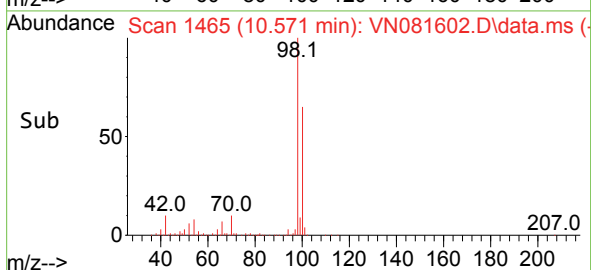
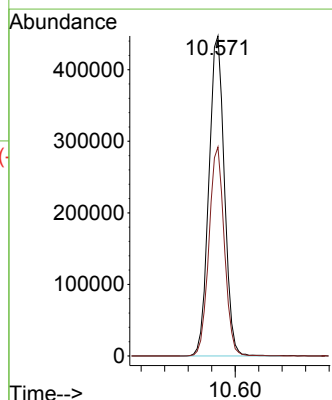
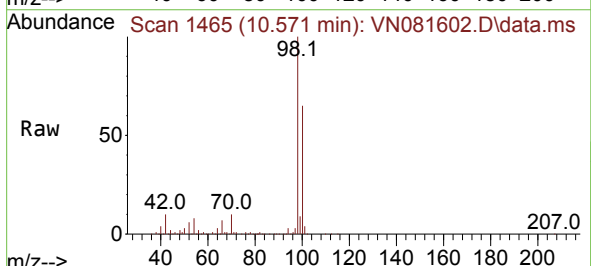
Acq: 28 Mar 2024 17:16

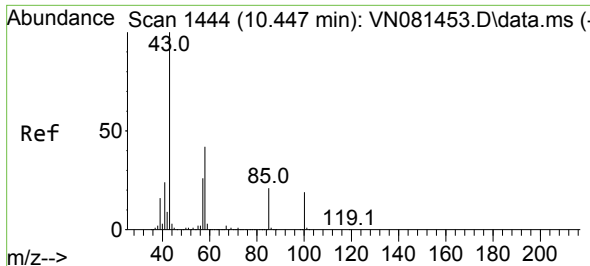
Tgt Ion: 98 Resp: 816803

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 10.565 min Scan# 1444

Delta R.T. 0.118 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

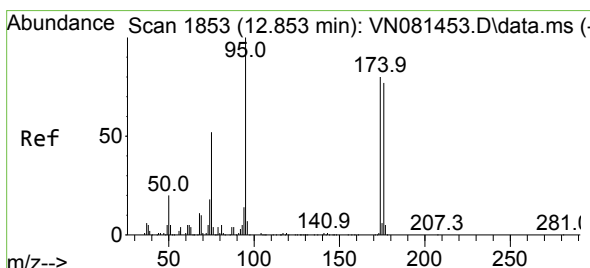
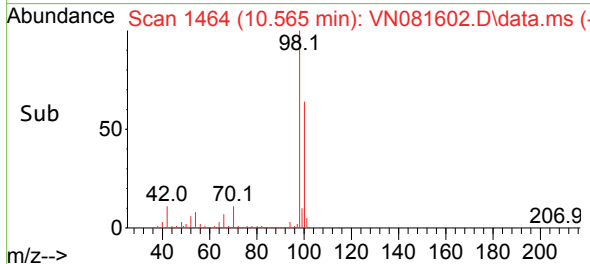
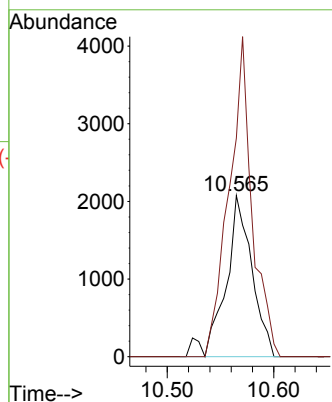
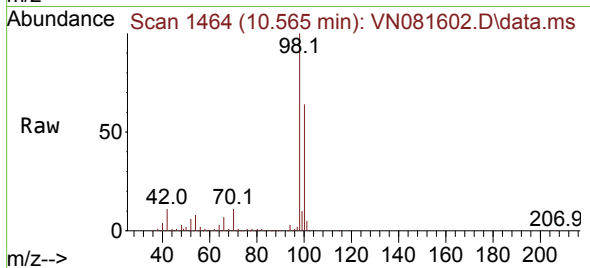
MW-4

Tgt Ion: 43 Resp: 3561

Ion Ratio Lower Upper

43 100

58 174.2 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 47.155 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

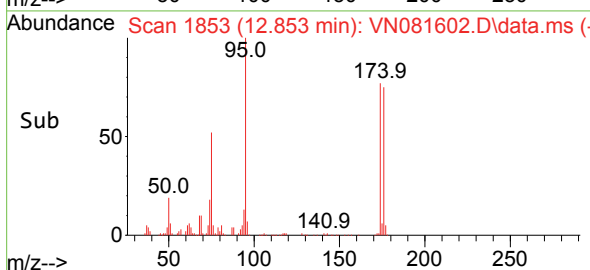
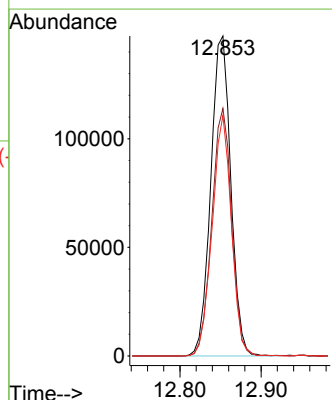
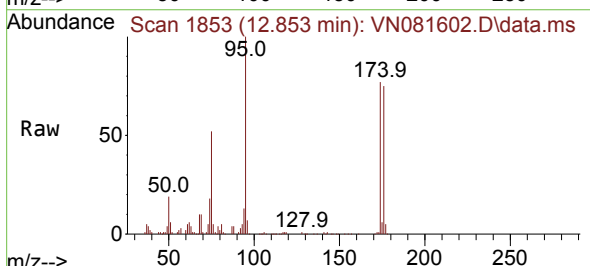
Tgt Ion: 95 Resp: 252057

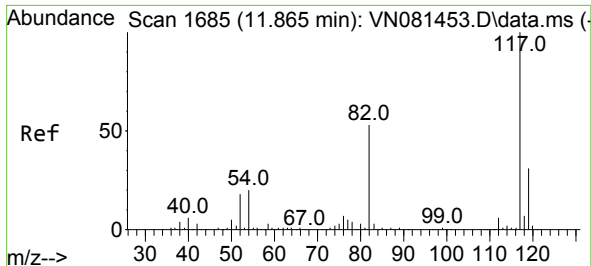
Ion Ratio Lower Upper

95 100

174 76.8 0.0 120.4

176 72.2 0.0 121.0

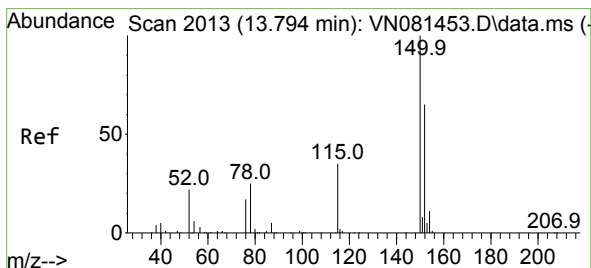
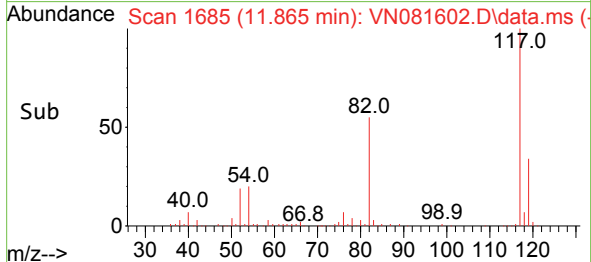
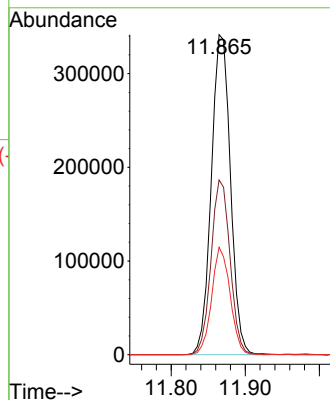
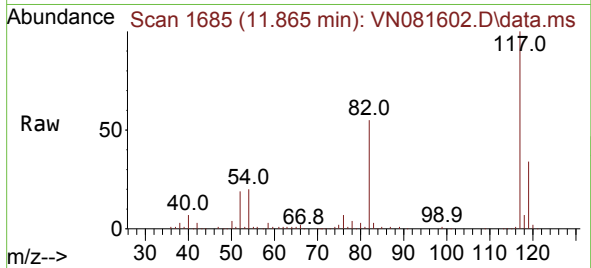




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

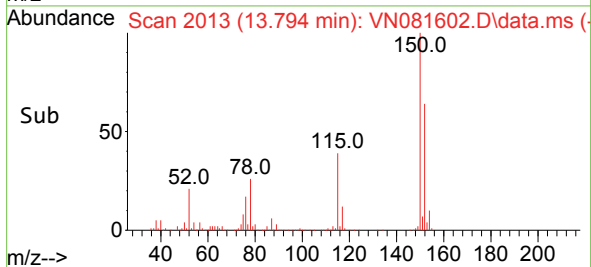
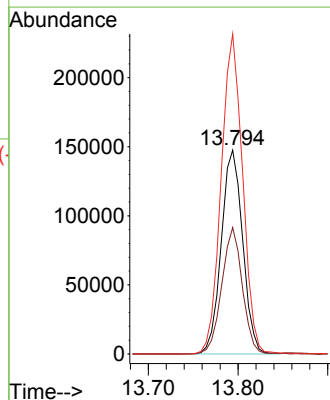
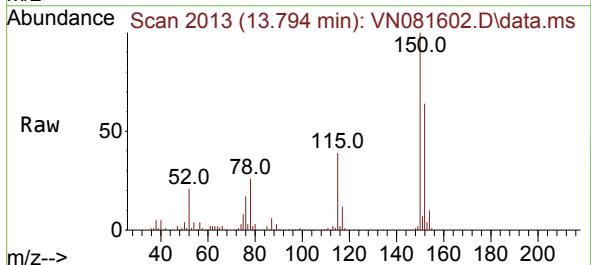
Instrument :
MSVOA_N
ClientSampleId :
MW-4

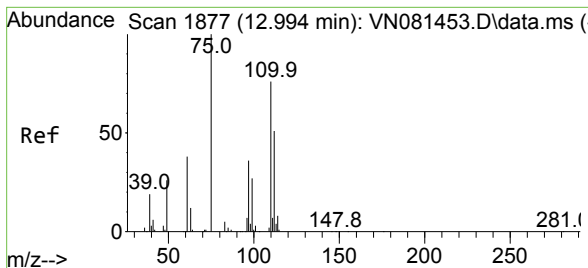
Tgt Ion:117 Resp: 613876
Ion Ratio Lower Upper
117 100
82 54.6 52.7 79.1
119 33.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081602.D
Acq: 28 Mar 2024 17:16

Tgt Ion:152 Resp: 244212
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 157.3 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 22.857 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

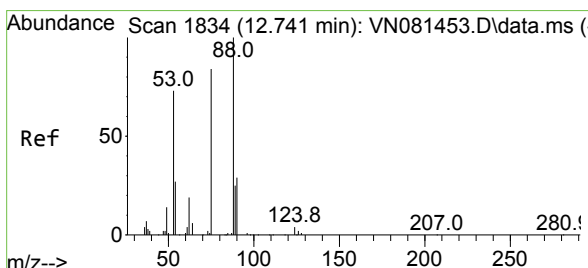
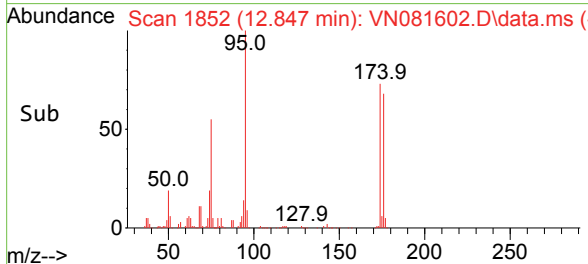
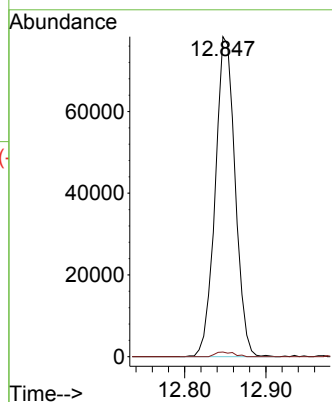
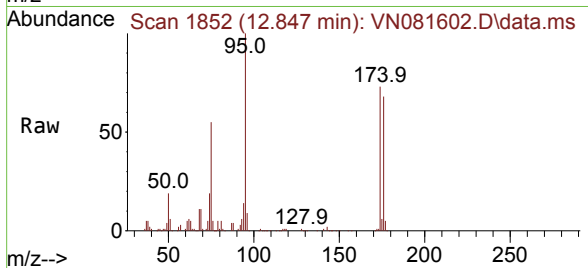
MW-4

Tgt Ion: 75 Resp: 133520

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.766 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081602.D

Acq: 28 Mar 2024 17:16

Tgt Ion: 75 Resp: 133520

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

