

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081216.D
 Acq On : 27 Feb 2024 13:58
 Operator : JC\MD
 Sample : P1577-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW10-MW01D-20240221

Quant Time: Feb 28 04:17:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

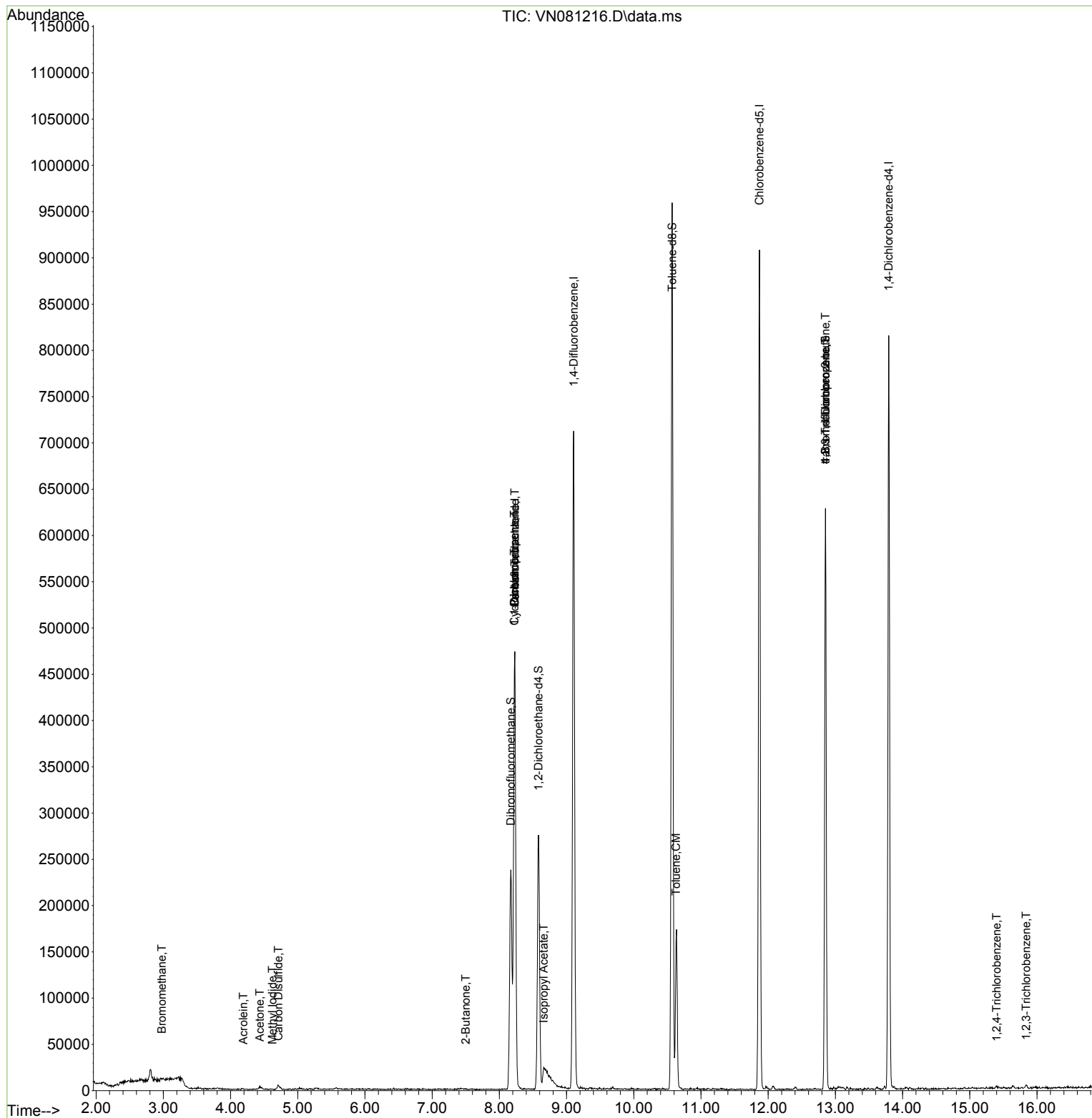
Internal Standards						
1) Pentafluorobenzene	8.230	168	324481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	610080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	526312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218587	54.960	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.920%			
35) Dibromofluoromethane	8.171	113	168524	48.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.700%			
50) Toluene-d8	10.571	98	658124	53.712	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.420%			
62) 4-Bromofluorobenzene	12.853	95	213031	46.270	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1378	Below Cal	#	80
5) Bromomethane	2.977	94	1111	0.336	ug/l #	32
6) Chloroethane	3.118	64	85	Below Cal	#	42
10) Methyl Iodide	4.624	142	930	0.219	ug/l #	39
13) Acrolein	4.189	56	1080	2.755	ug/l #	40
16) Acetone	4.436	43	2942	1.880	ug/l #	86
17) Carbon Disulfide	4.712	76	2769	0.271	ug/l #	78
20) Methylene Chloride	5.265	84	866	Below Cal	#	60
25) 2-Butanone	7.500	43	694	0.275	ug/l #	51
31) Cyclohexane	8.224	56	9743	1.419	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29582	5.005	ug/l #	51
38) Carbon Tetrachloride	8.230	117	39383	6.586	ug/l #	19
43) Isopropyl Acetate	8.659	43	27646	2.963	ug/l #	57
52) Toluene	10.629	92	74147	6.846	ug/l	98
76) 1,2,3-Trichloropropane	12.853	75	117809	25.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117809	65.129	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.400	180	932	0.229	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.841	180	1060	0.263	ug/l #	84

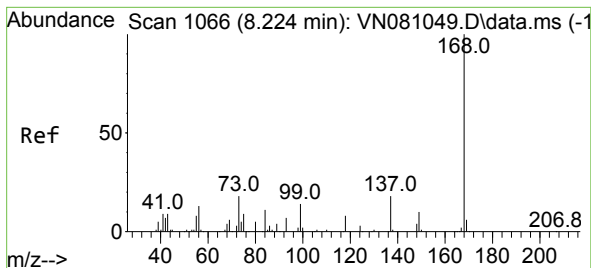
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

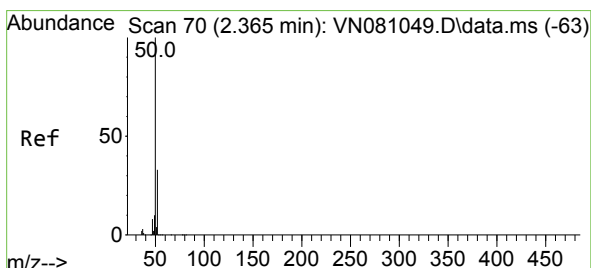
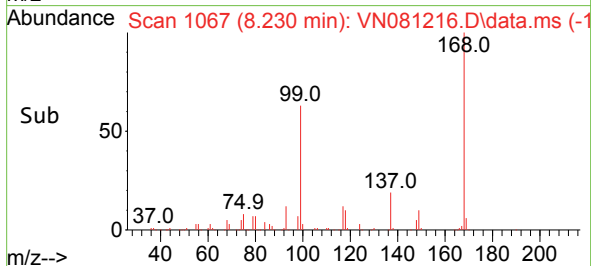
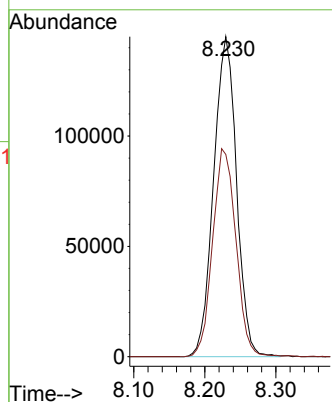
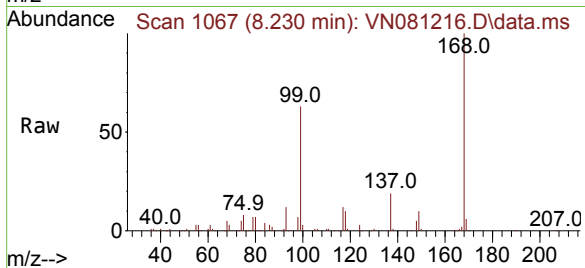
RW10-MW01D-20240221

Tgt Ion:168 Resp: 324481

Ion Ratio Lower Upper

168 100

99 63.2 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081216.D

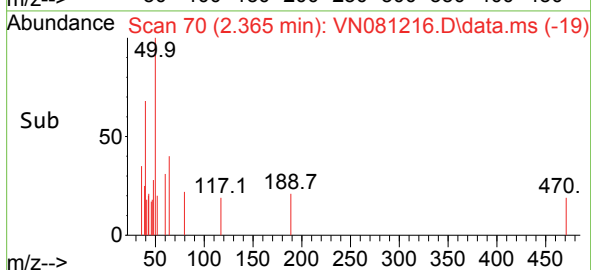
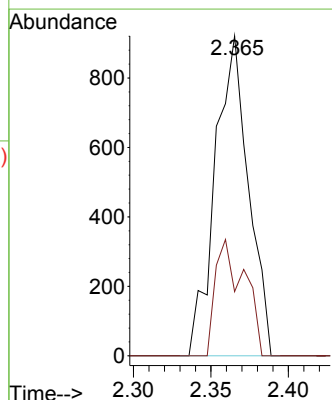
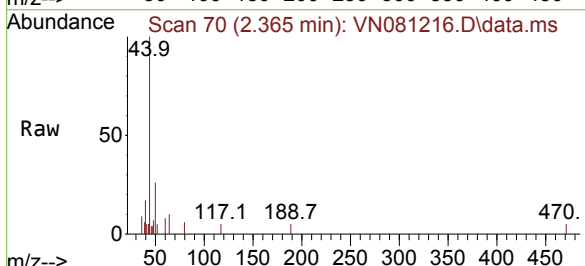
Acq: 27 Feb 2024 13:58

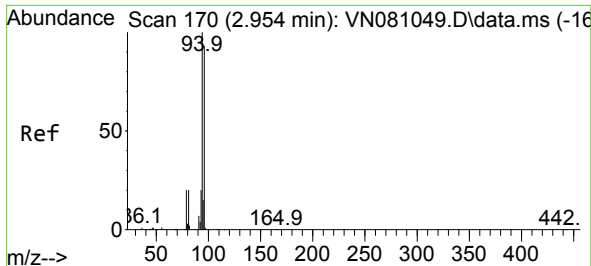
Tgt Ion: 50 Resp: 1378

Ion Ratio Lower Upper

50 100

52 20.1 25.0 37.4#





#5

Bromomethane

Concen: 0.336 ug/l

RT: 2.977 min Scan# 1

Delta R.T. 0.023 min

Lab File: VN081216.D

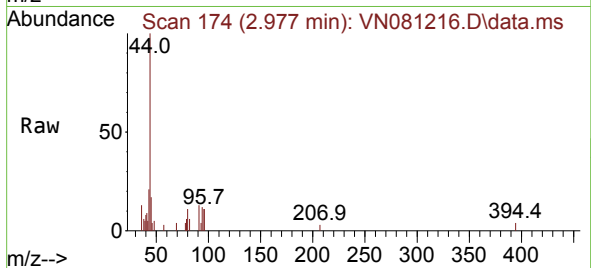
Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

RW10-MW01D-20240221

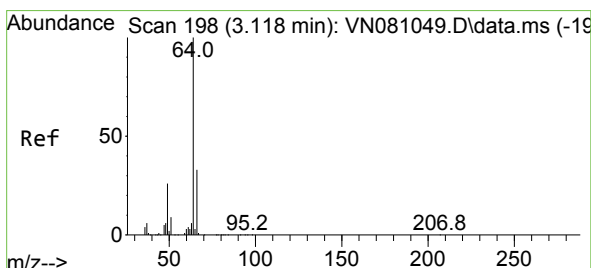
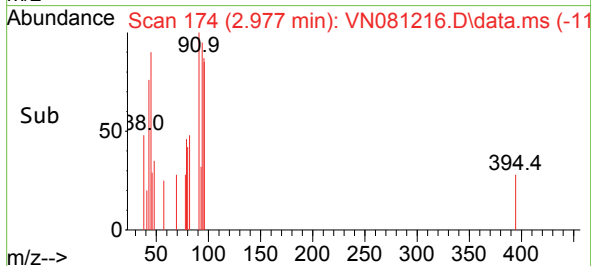
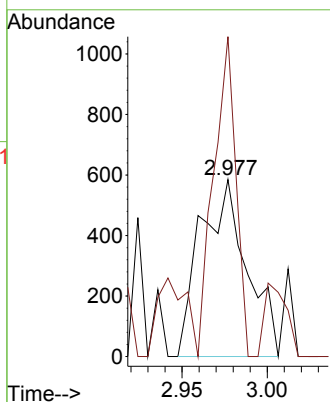


Tgt Ion: 94 Resp: 1111

Ion Ratio Lower Upper

94 100

96 148.7 69.2 103.8#



#6

Chloroethane

Concen: Below Cal

RT: 3.118 min Scan# 198

Delta R.T. 0.000 min

Lab File: VN081216.D

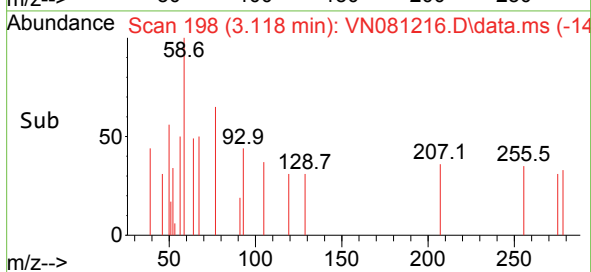
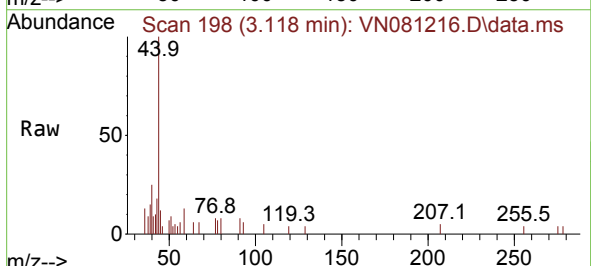
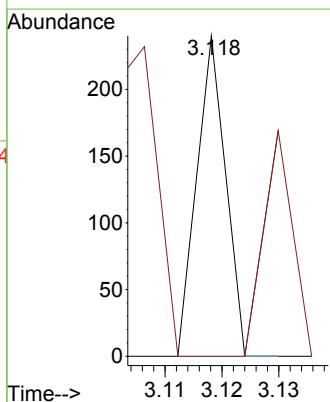
Acq: 27 Feb 2024 13:58

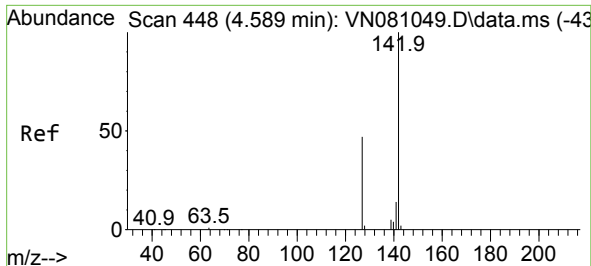
Tgt Ion: 64 Resp: 85

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#





#10
Methyl Iodide

Concen: 0.219 ug/l

RT: 4.624 min Scan# 4

Delta R.T. 0.035 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

RW10-MW01D-20240221

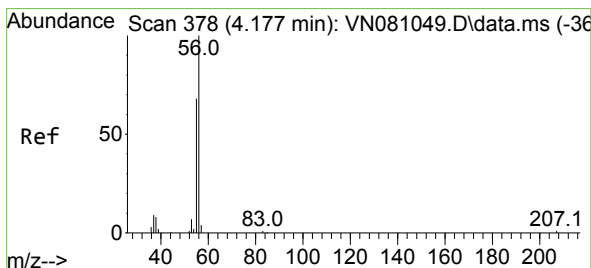
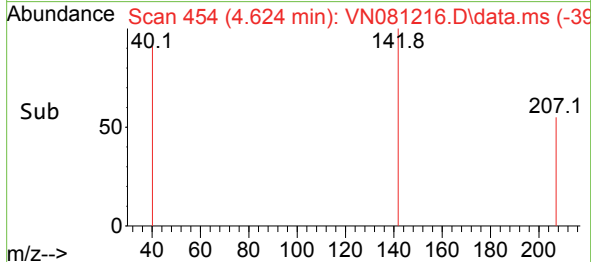
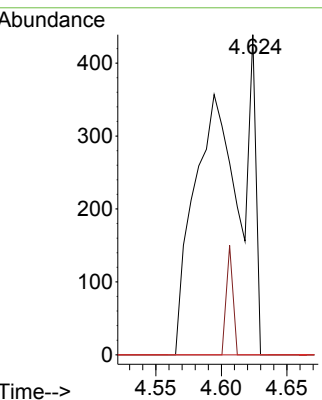
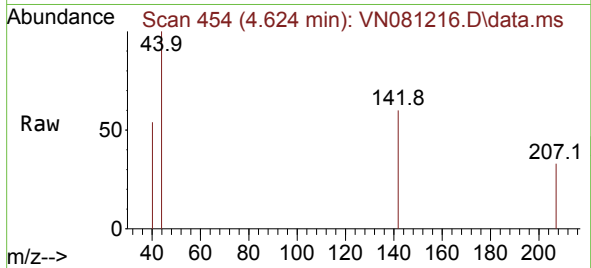
Tgt Ion:142 Resp: 930

Ion Ratio Lower Upper

142 100

127 0.0 37.0 55.4#

141 0.0 12.5 18.7#



#13

Acrolein

Concen: 2.755 ug/l

RT: 4.189 min Scan# 380

Delta R.T. 0.012 min

Lab File: VN081216.D

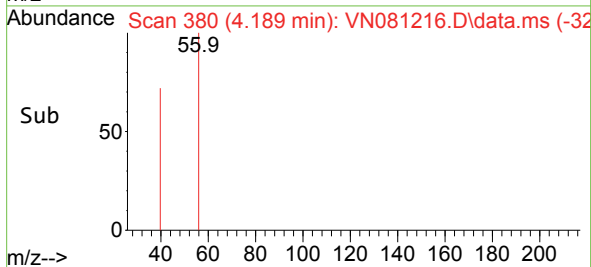
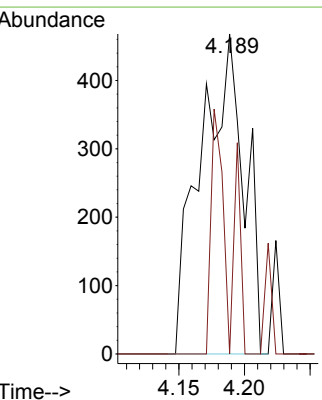
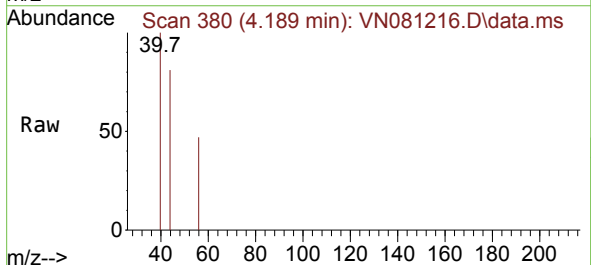
Acq: 27 Feb 2024 13:58

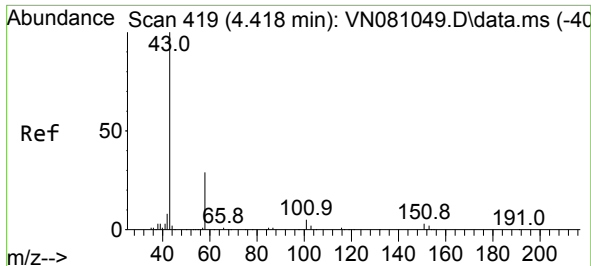
Tgt Ion: 56 Resp: 1080

Ion Ratio Lower Upper

56 100

55 20.4 55.3 82.9#





#16

Acetone

Concen: 1.880 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

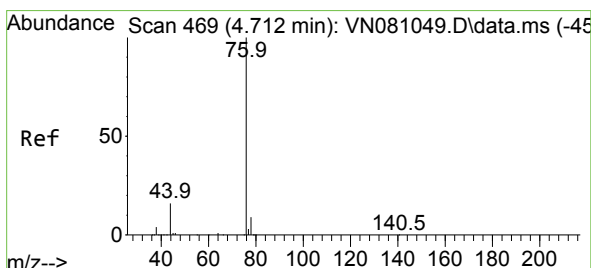
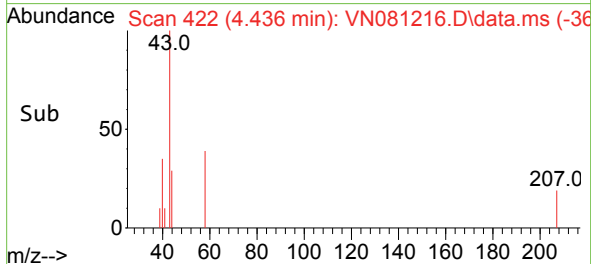
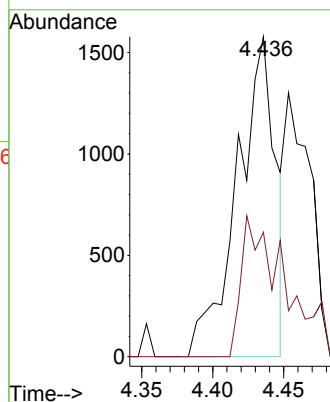
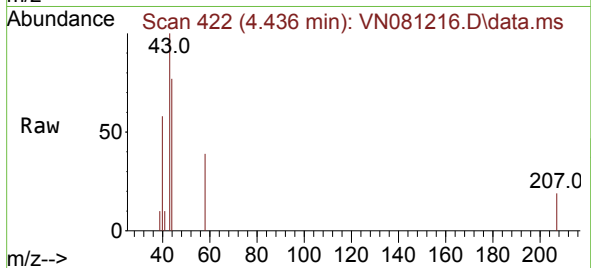
RW10-MW01D-20240221

Tgt Ion: 43 Resp: 2942

Ion Ratio Lower Upper

43 100

58 38.9 24.8 37.2#



#17

Carbon Disulfide

Concen: 0.271 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN081216.D

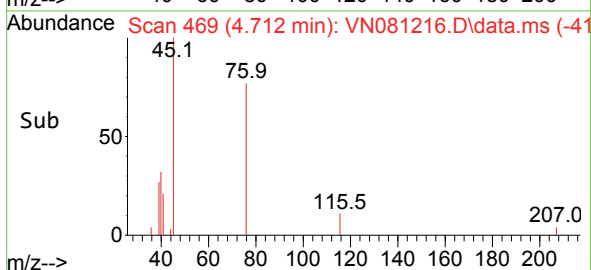
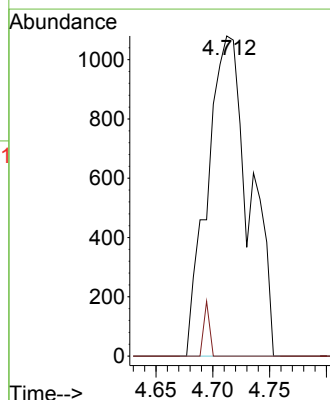
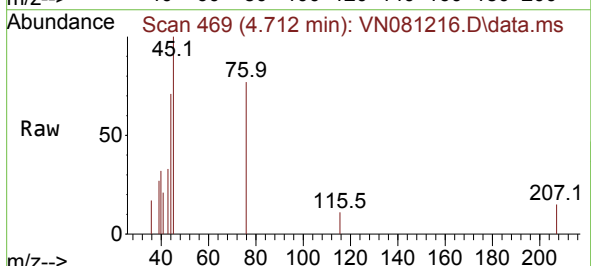
Acq: 27 Feb 2024 13:58

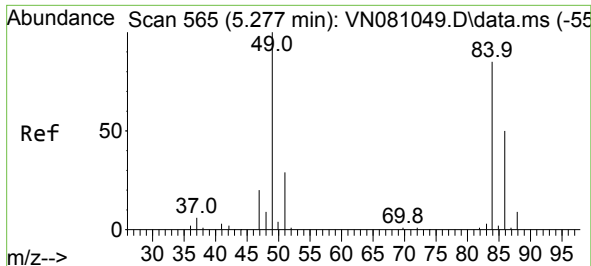
Tgt Ion: 76 Resp: 2769

Ion Ratio Lower Upper

76 100

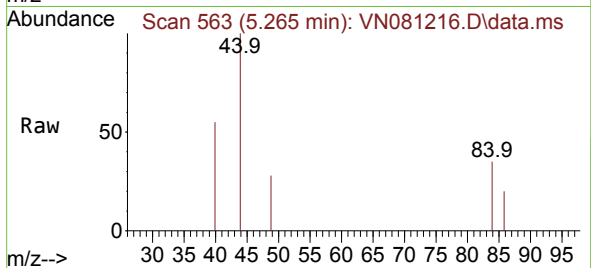
78 0.0 6.3 9.5#



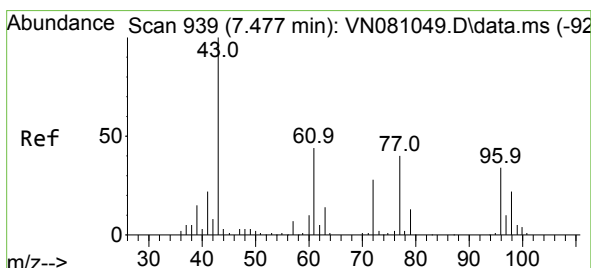
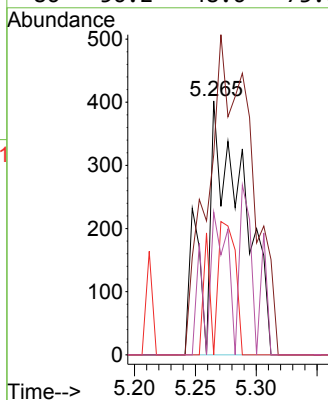
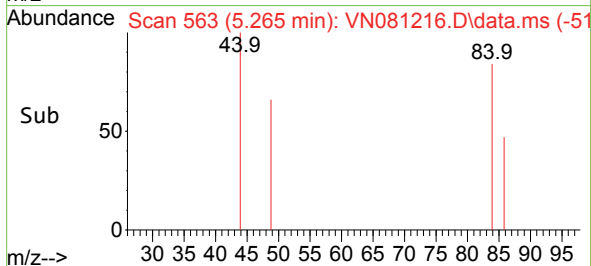


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Instrument :
MSVOA_N
ClientSampleId :
RW10-MW01D-20240221

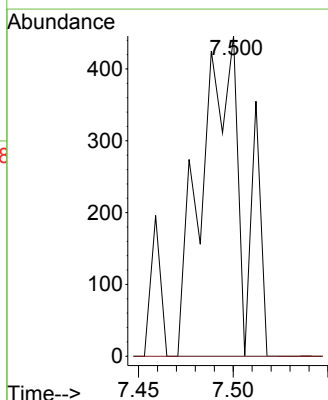
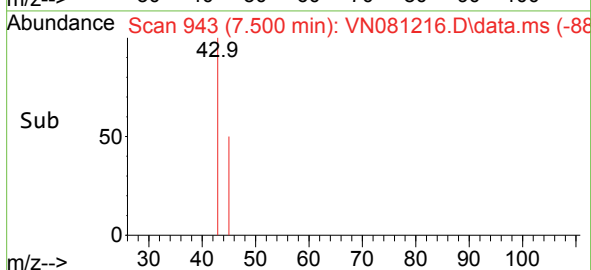
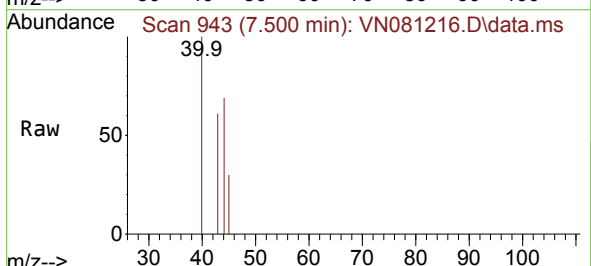


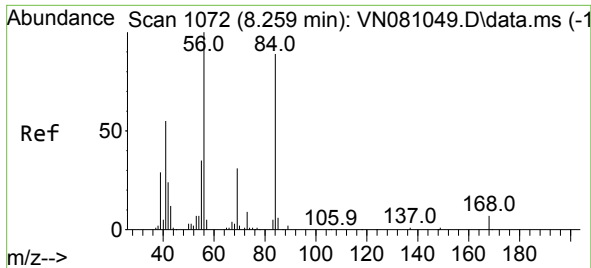
Tgt Ion: 84 Resp: 866
Ion Ratio Lower Upper
84 100
49 78.9 108.1 162.1#
51 0.0 32.9 49.3#
86 56.2 48.6 73.0



#25
2-Butanone
Concen: 0.275 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.023 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

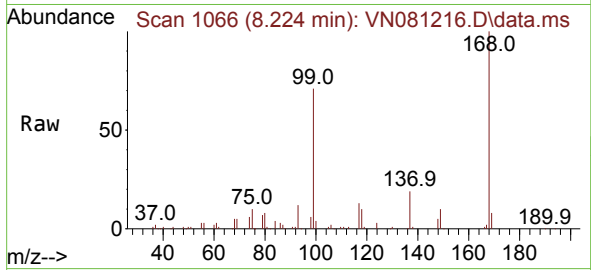
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#



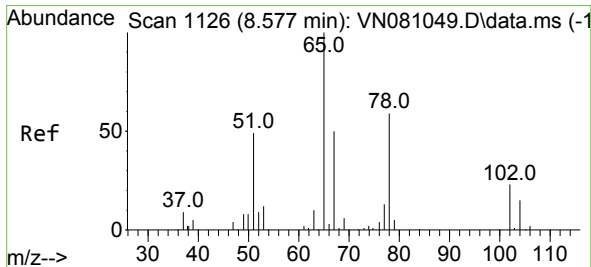
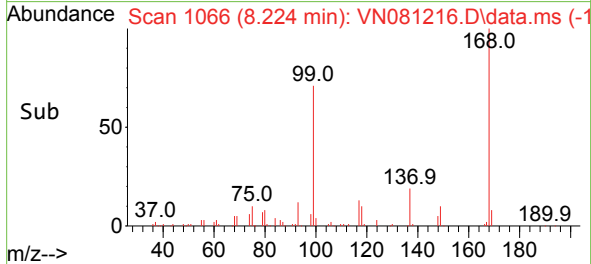
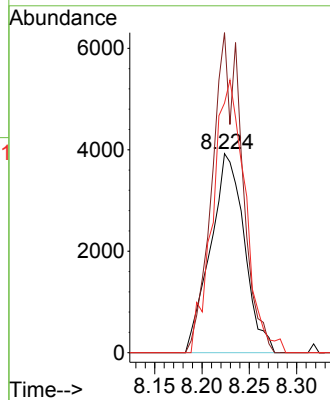


#31
Cyclohexane
Concen: 1.419 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

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ClientSampleId :
RW10-MW01D-20240221

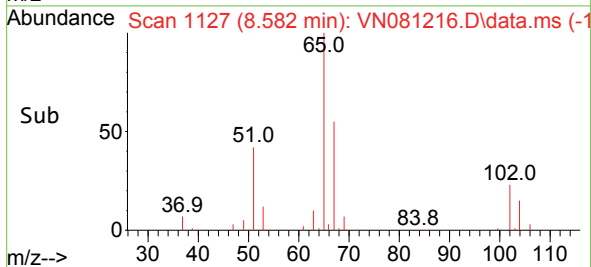
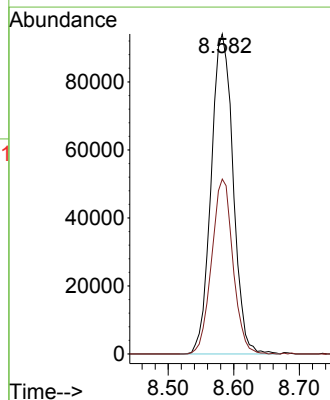
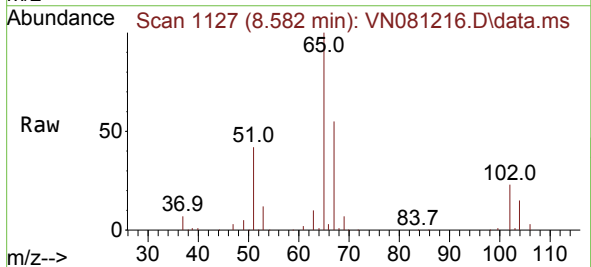


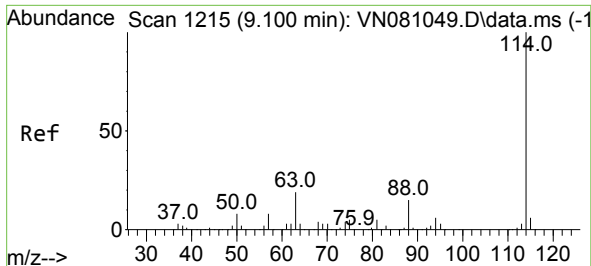
Tgt Ion: 56 Resp: 9743
Ion Ratio Lower Upper
56 100
69 160.8 20.1 30.1#
84 125.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.960 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Tgt Ion: 65 Resp: 218587
Ion Ratio Lower Upper
65 100
67 53.0 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: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

RW10-MW01D-20240221

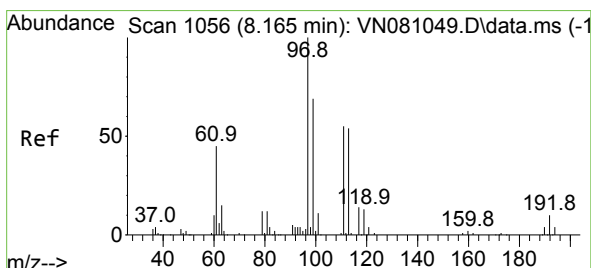
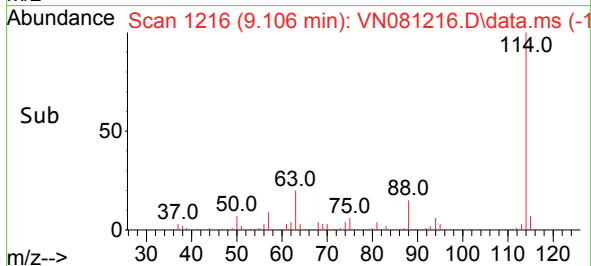
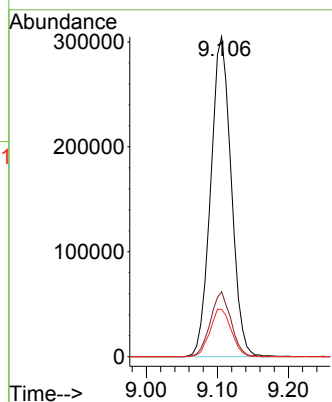
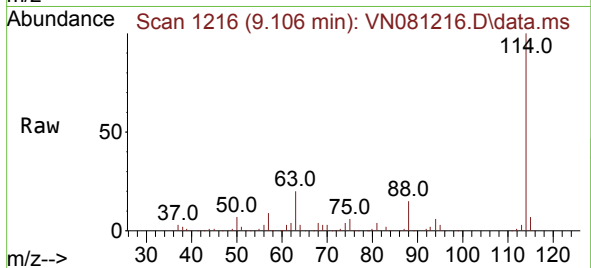
Tgt Ion:114 Resp: 610080

Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

88 14.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.850 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

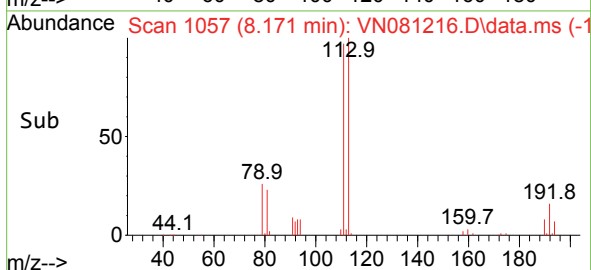
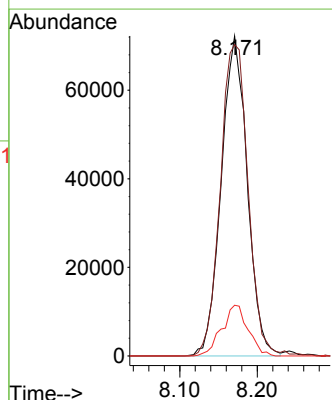
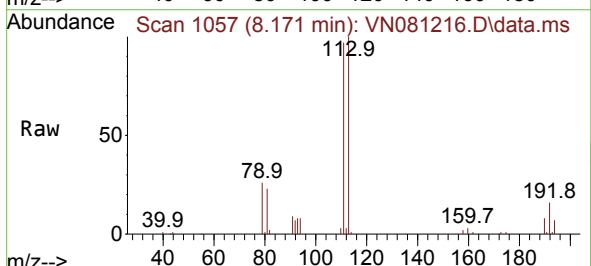
Tgt Ion:113 Resp: 168524

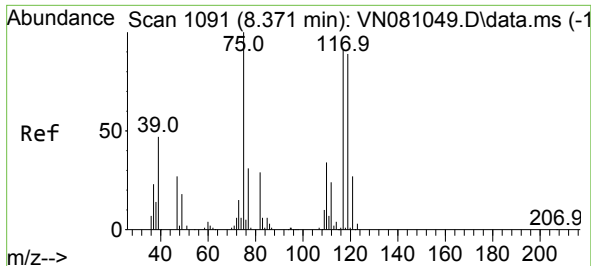
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 16.1 12.5 18.7

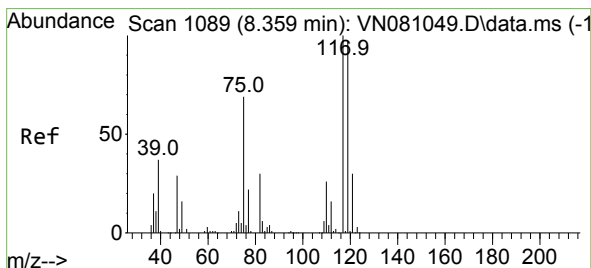
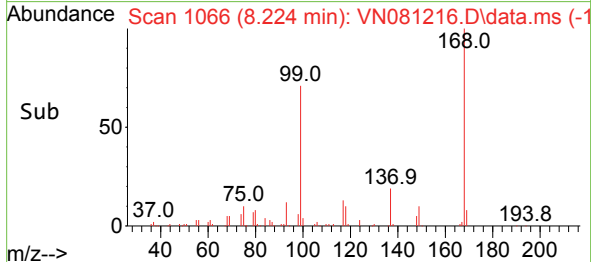
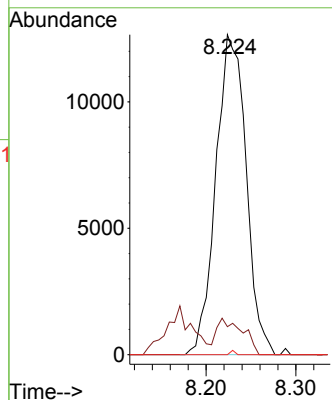
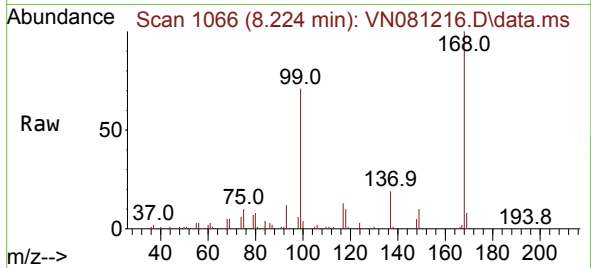




#36
1,1-Dichloropropene
Concen: 5.005 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

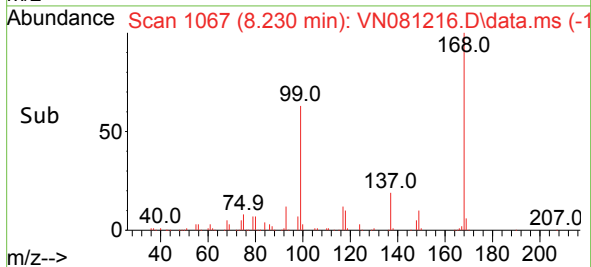
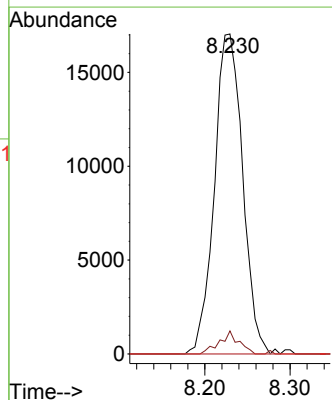
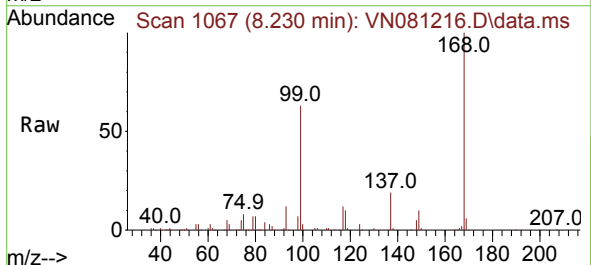
Instrument :
MSVOA_N
ClientSampleId :
RW10-MW01D-20240221

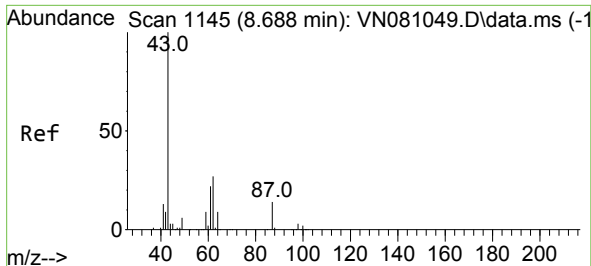
Tgt Ion: 75 Resp: 29582
Ion Ratio Lower Upper
75 100
110 9.7 16.0 48.0#
77 0.2 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.586 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

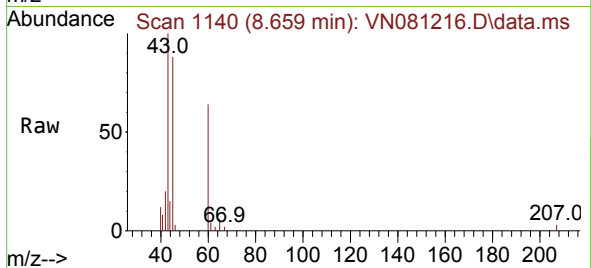
Tgt Ion: 117 Resp: 39383
Ion Ratio Lower Upper
117 100
119 7.2 73.4 110.2#
121 0.0 24.4 36.6#



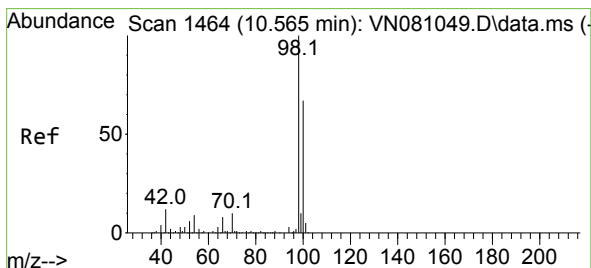
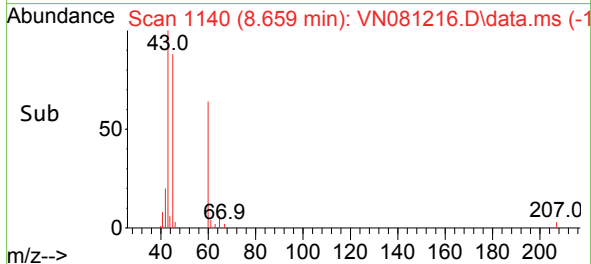
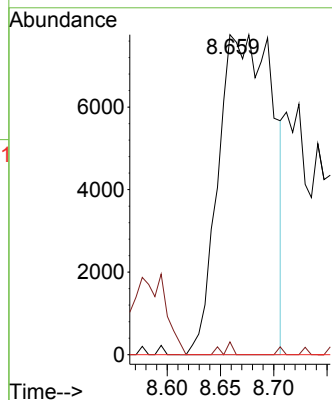


#43
Isopropyl Acetate
Concen: 2.963 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.030 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Instrument :
MSVOA_N
ClientSampleId :
RW10-MW01D-20240221

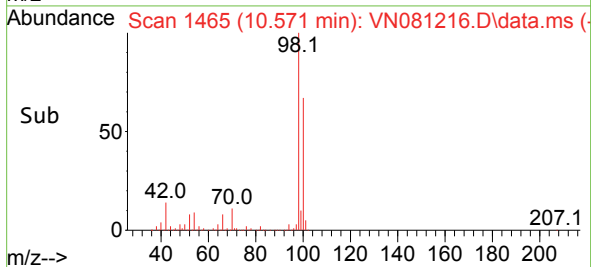
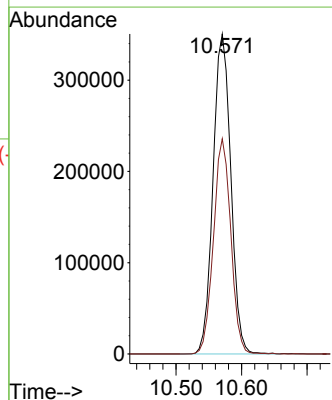
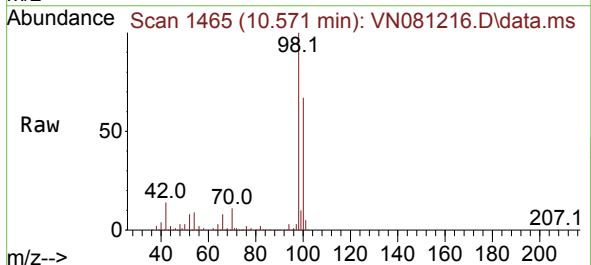


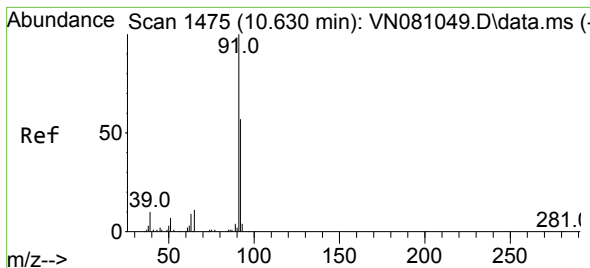
Tgt Ion: 43 Resp: 27646
Ion Ratio Lower Upper
43 100
61 0.6 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 53.712 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Tgt Ion: 98 Resp: 658124
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.0





#52

Toluene

Concen: 6.846 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

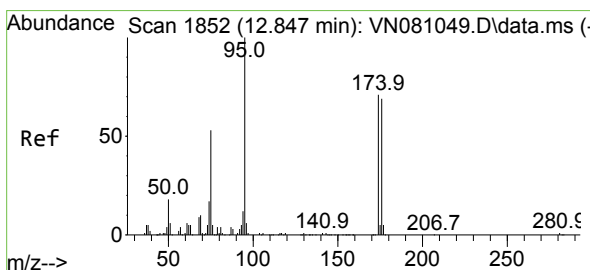
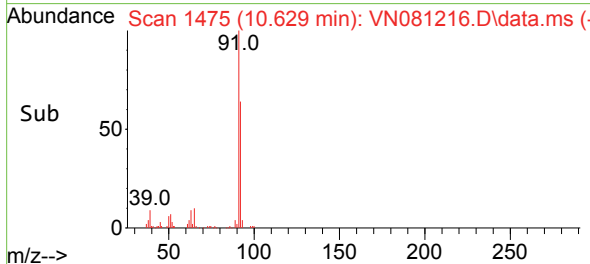
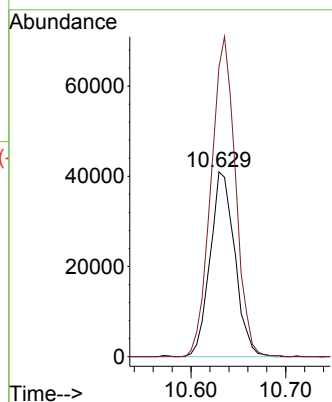
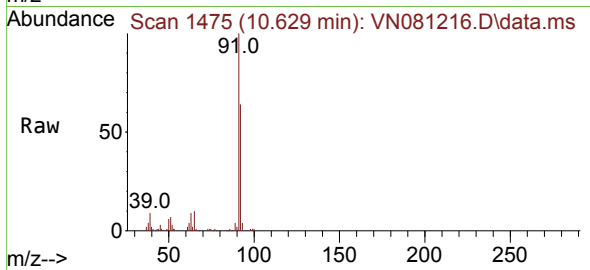
RW10-MW01D-20240221

Tgt Ion: 92 Resp: 74147

Ion Ratio Lower Upper

92 100

91 172.0 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 46.270 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

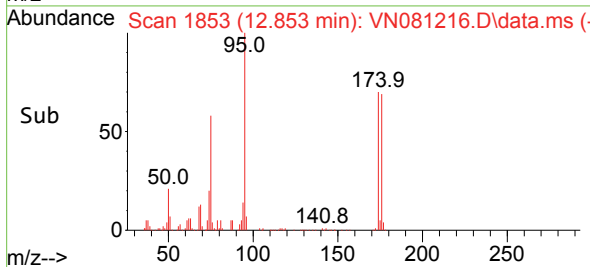
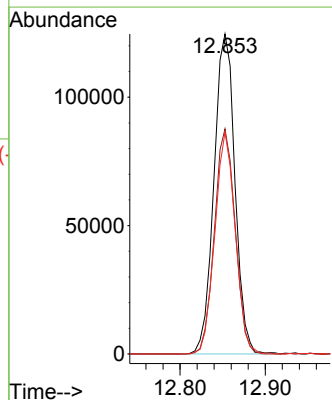
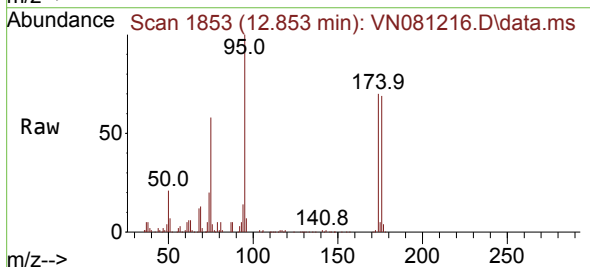
Tgt Ion: 95 Resp: 213031

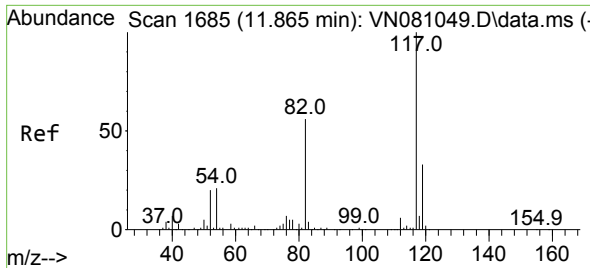
Ion Ratio Lower Upper

95 100

174 69.8 0.0 120.4

176 67.1 0.0 121.0

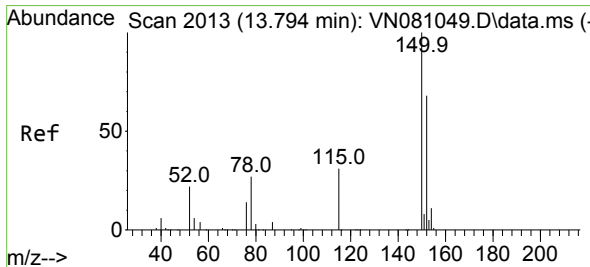
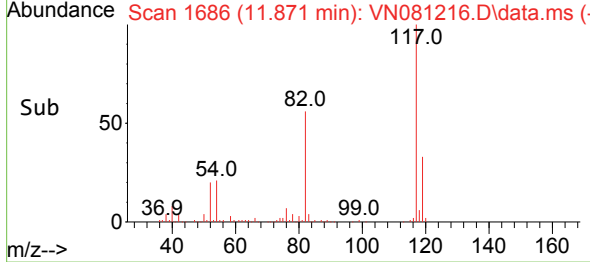
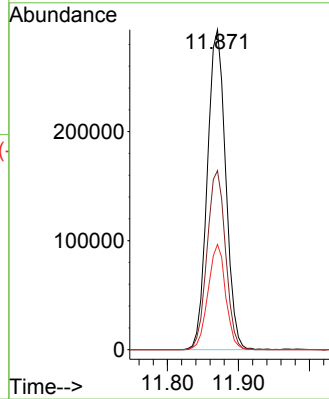
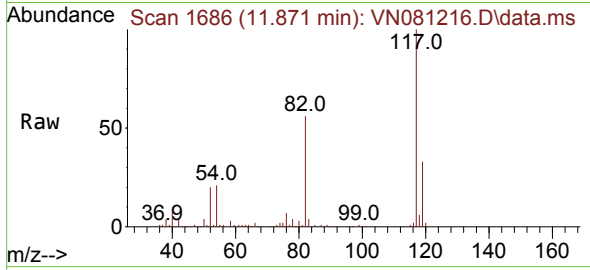




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

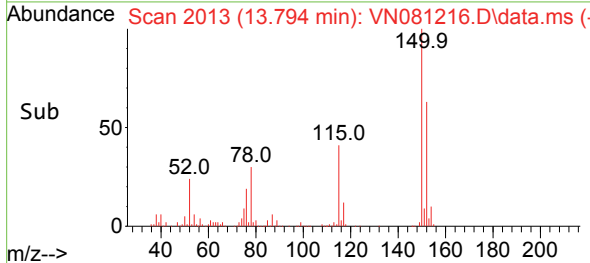
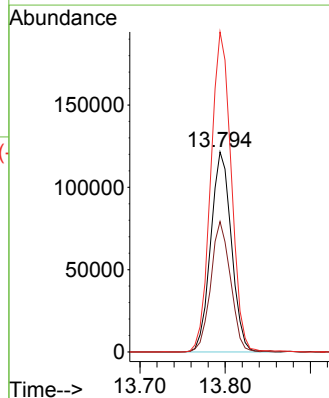
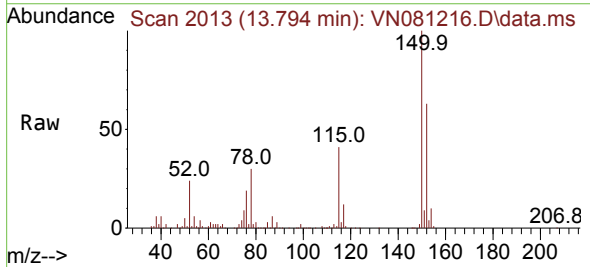
Instrument :
MSVOA_N
ClientSampleId :
RW10-MW01D-20240221

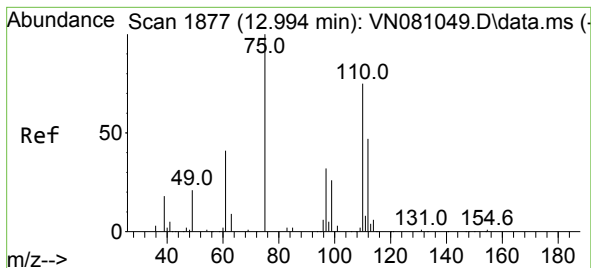
Tgt Ion:117 Resp: 526312
Ion Ratio Lower Upper
117 100
82 56.0 52.7 79.1
119 32.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Tgt Ion:152 Resp: 204917
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 158.9 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 25.303 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

Instrument :

MSVOA_N

ClientSampleId :

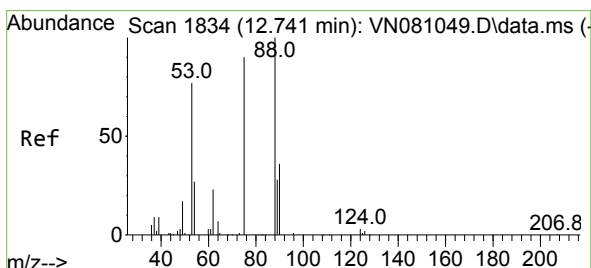
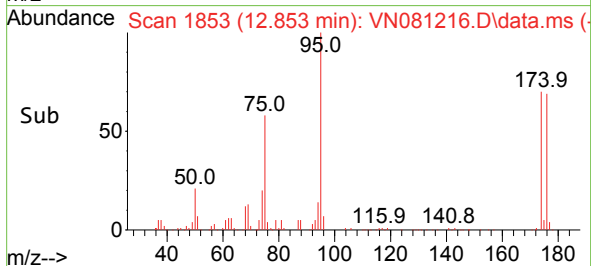
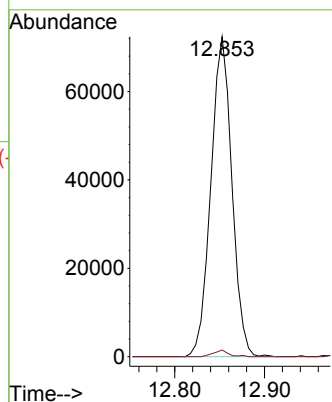
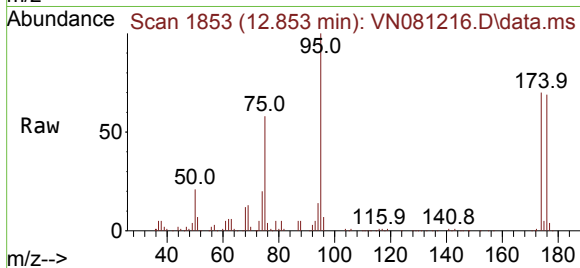
RW10-MW01D-20240221

Tgt Ion: 75 Resp: 117809

Ion Ratio Lower Upper

75 100

77 1.5 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.129 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081216.D

Acq: 27 Feb 2024 13:58

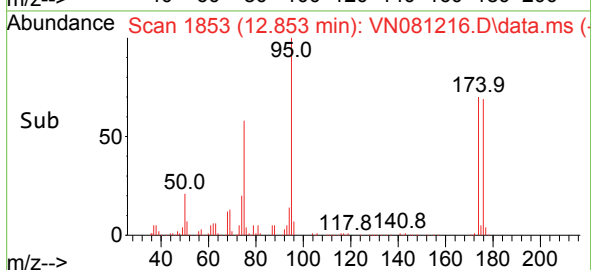
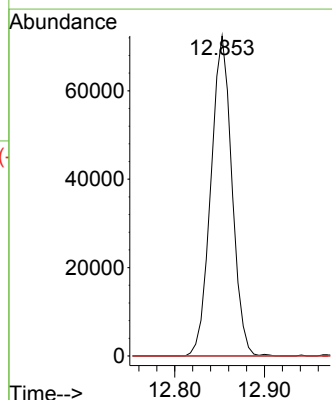
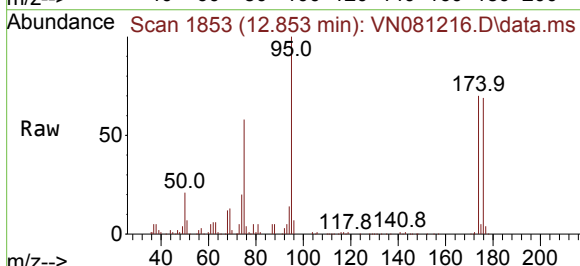
Tgt Ion: 75 Resp: 117809

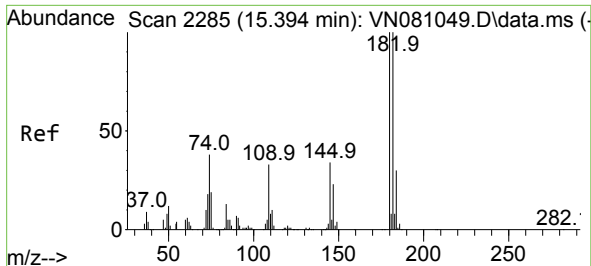
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

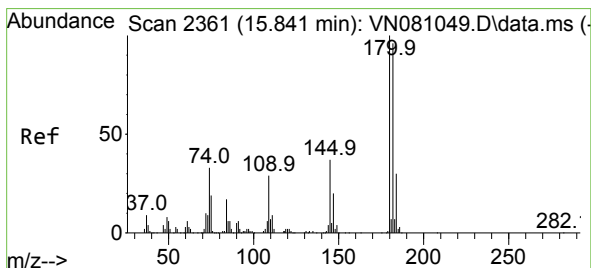
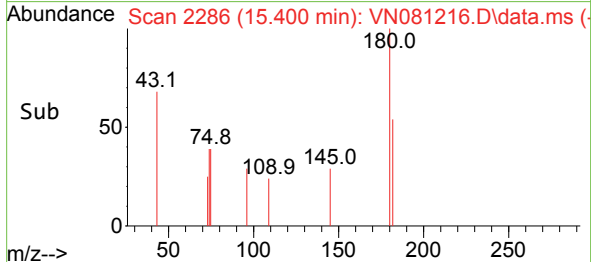
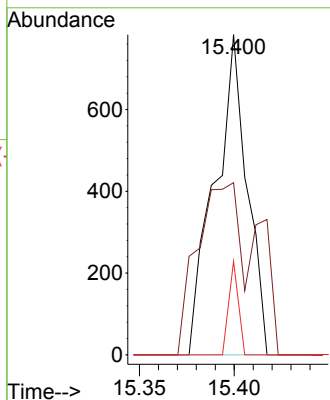
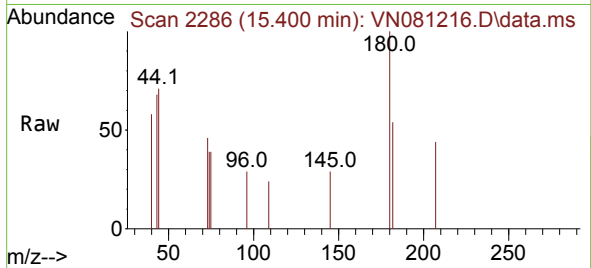




#93
1,2,4-Trichlorobenzene
Concen: 0.229 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Instrument :
MSVOA_N
ClientSampleId :
RW10-MW01D-20240221

Tgt Ion:180 Resp: 932
Ion Ratio Lower Upper
180 100
182 96.1 46.6 139.7
145 8.7 16.8 50.3#



#96
1,2,3-Trichlorobenzene
Concen: 0.263 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VN081216.D
Acq: 27 Feb 2024 13:58

Tgt Ion:180 Resp: 1060
Ion Ratio Lower Upper
180 100
182 85.4 46.5 139.3
145 12.9 17.8 53.4#

