

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
 Data File : VX035522.D
 Acq On : 03 May 2023 20:03
 Operator : JC/MD
 Sample : 02597-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20230503

Quant Time: May 04 04:03:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

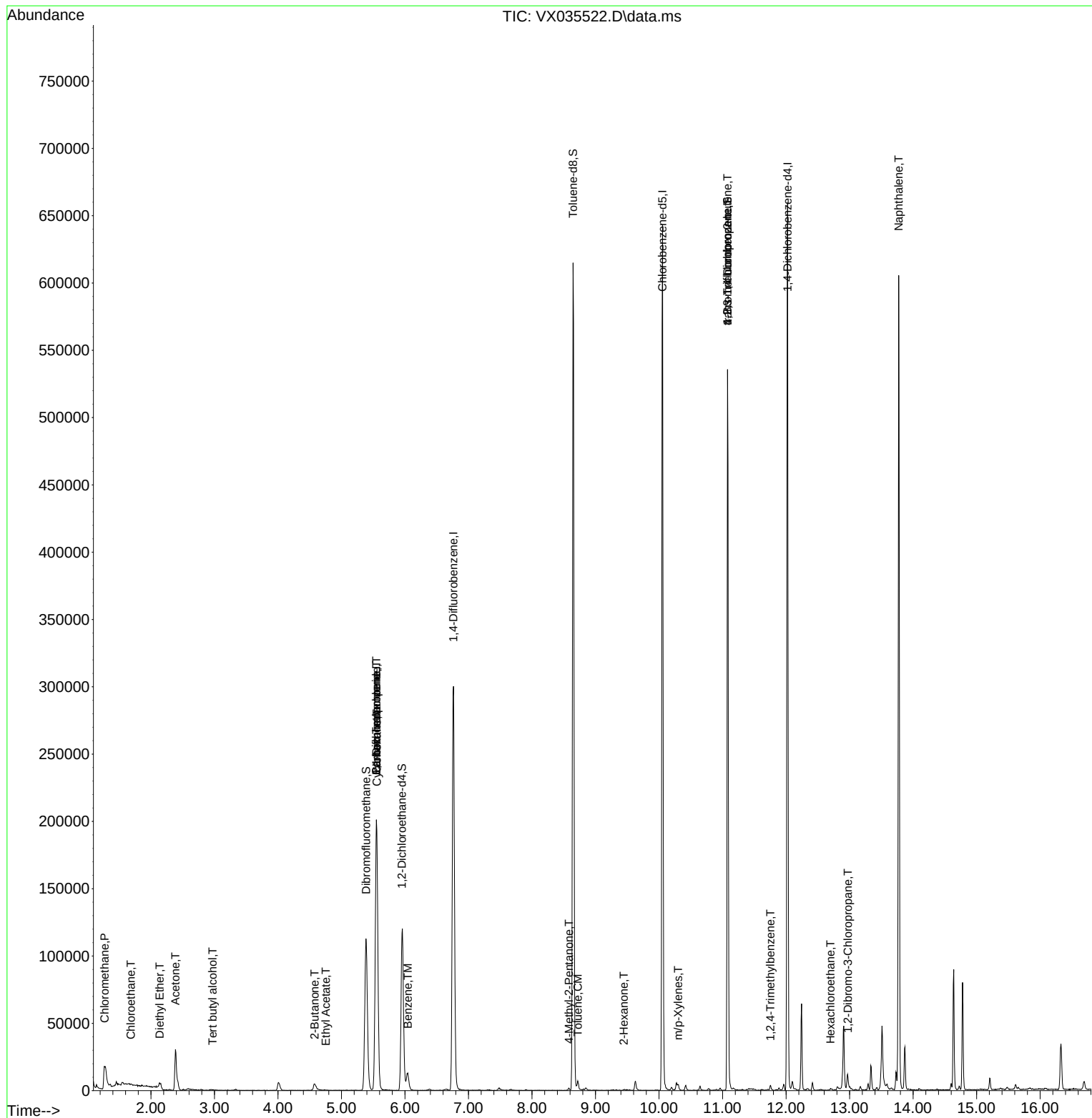
Internal Standards						
1) Pentafluorobenzene	5.550	168	198477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	318744	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	295103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	118430	49.459	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.920%		
35) Dibromofluoromethane	5.385	113	99536	50.878	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.760%		
50) Toluene-d8	8.647	98	373848	50.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.320%		
62) 4-Bromofluorobenzene	11.079	95	147160	53.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.020%		
Target Compounds					Qvalue	
3) Chloromethane	1.270	50	999	0.523	ug/l #	42
6) Chloroethane	1.685	64	569	0.508	ug/l #	47
8) Diethyl Ether	2.136	74	1128	1.032	ug/l #	44
11) Tert butyl alcohol	2.971	59	495	1.135	ug/l #	73
16) Acetone	2.386	43	35275	33.919	ug/l	97
25) 2-Butanone	4.574	43	10846	7.145	ug/l	96
31) Cyclohexane	5.556	56	3310	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14180	4.642	ug/l #	50
37) Ethyl Acetate	4.751	43	643	0.230	ug/l #	74
38) Carbon Tetrachloride	5.550	117	19886	6.857	ug/l #	16
40) Benzene	6.044	78	14887	1.699	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	1049	0.364	ug/l	92
52) Toluene	8.720	92	2417	0.435	ug/l	91
59) 2-Hexanone	9.445	43	774	0.358	ug/l	79
68) m/p-Xylenes	10.299	106	995	0.235	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	72141	25.039	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	72141	81.096	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	1877	0.210	ug/l	91
90) Hexachloroethane	12.701	117	806	0.565	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.975	75	230	0.350	ug/l #	5
95) Naphthalene	13.774	128	375325	38.882	ug/l	100

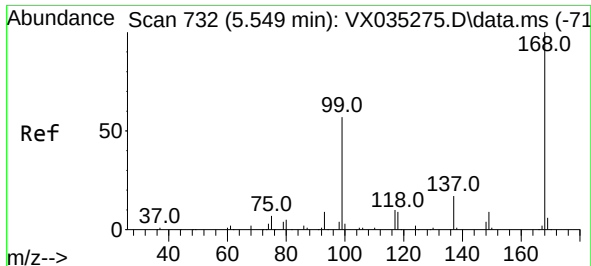
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 04 04:03:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
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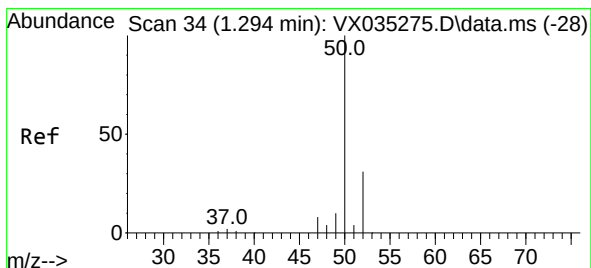
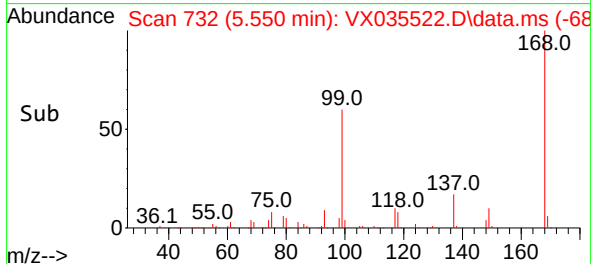
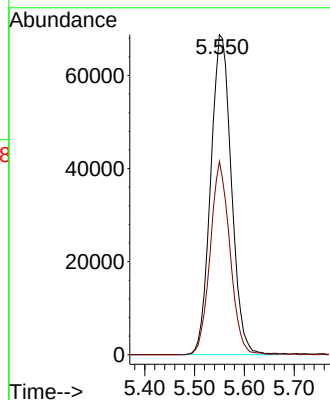
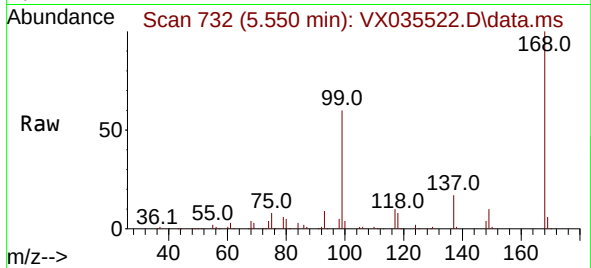




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

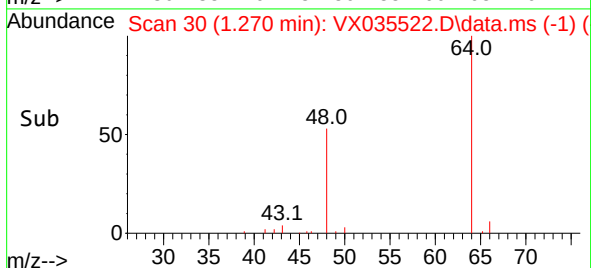
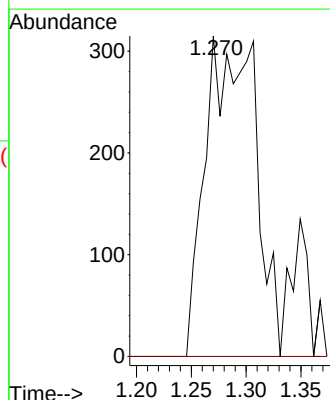
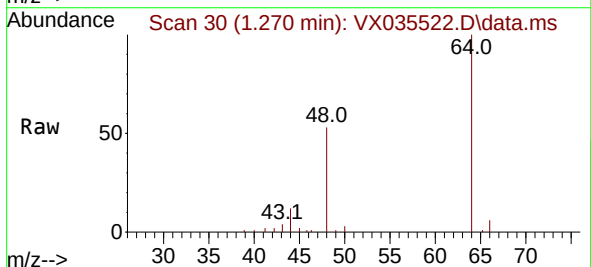
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

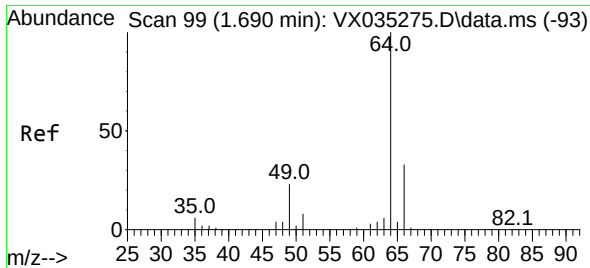
Tgt Ion:168 Resp: 198477
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#3
Chloromethane
Concen: 0.523 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion: 50 Resp: 999
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

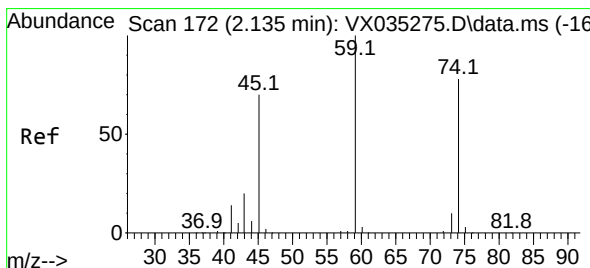
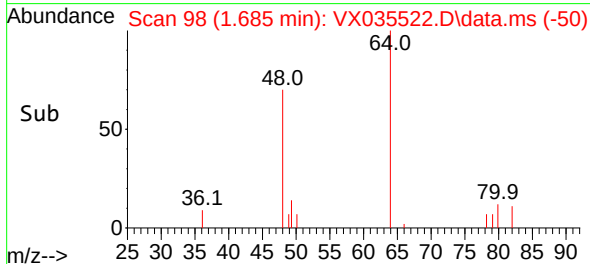
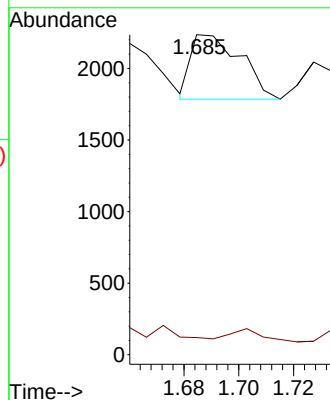
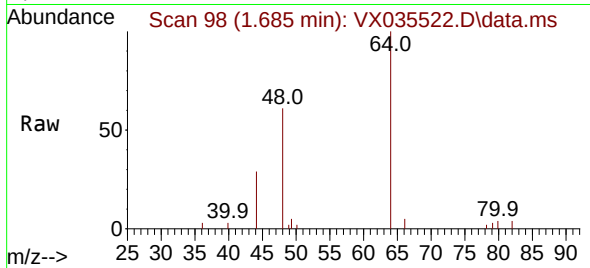




#6
Chloroethane
Concen: 0.508 ug/l
RT: 1.685 min Scan# 99
Delta R.T. -0.005 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

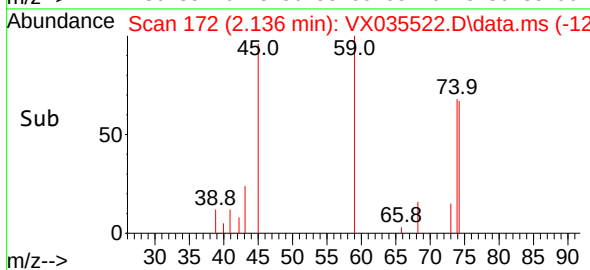
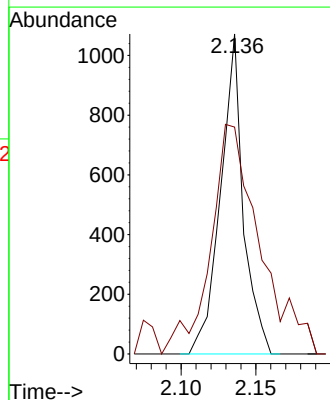
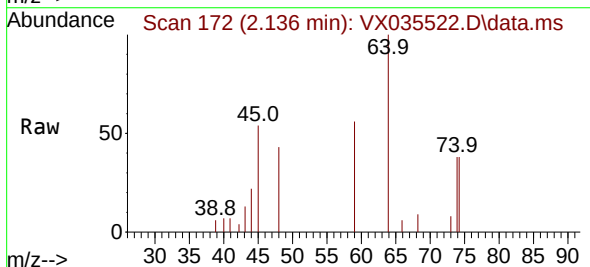
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

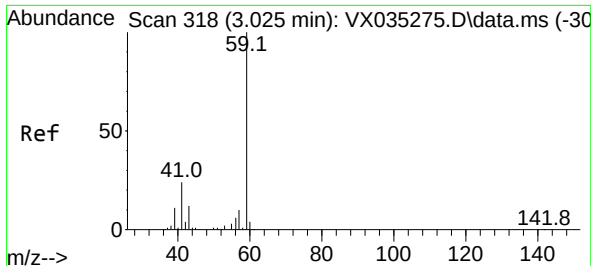
Tgt Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 3.1 26.2 39.4#



#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.001 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion: 74 Resp: 1128
Ion Ratio Lower Upper
74 100
45 155.5 49.8 149.3#





#11

Tert butyl alcohol

Concen: 1.135 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.054 min

Lab File: VX035522.D

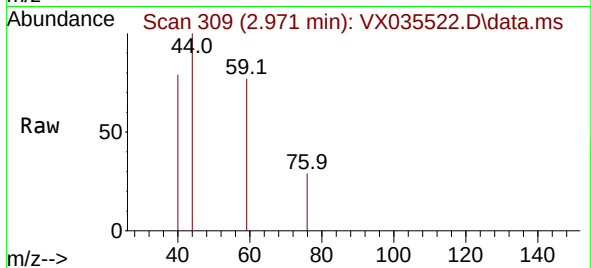
Acq: 03 May 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20230503

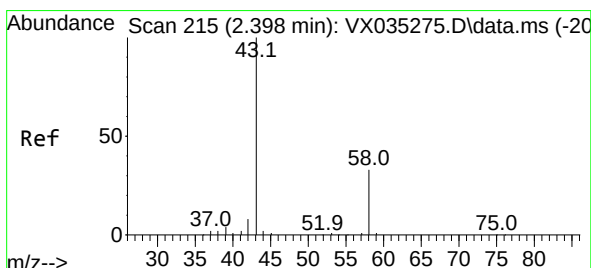
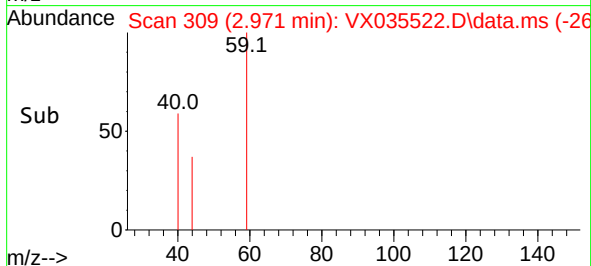
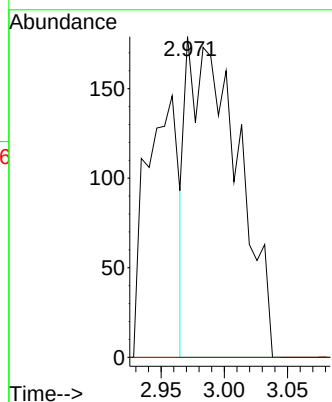


Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 33.919 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX035522.D

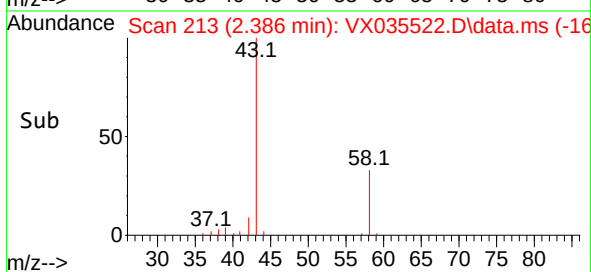
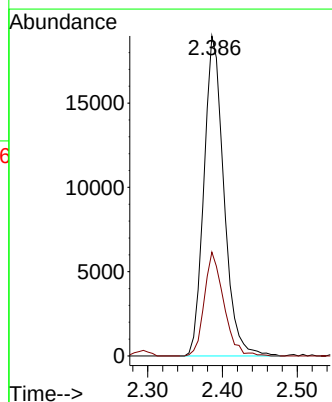
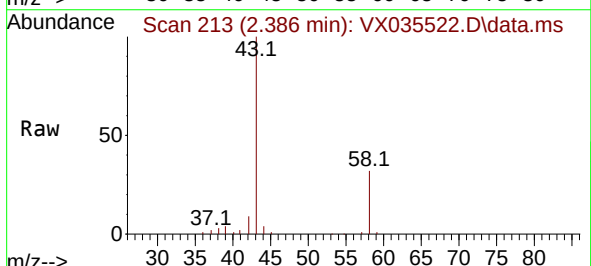
Acq: 03 May 2023 20:03

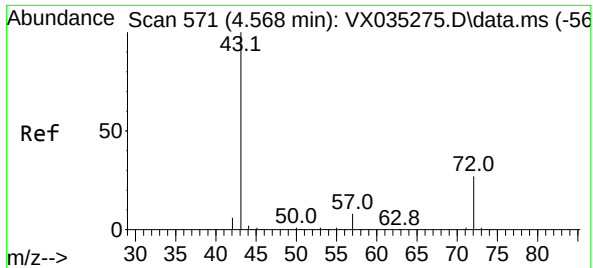
Tgt Ion: 43 Resp: 35275

Ion Ratio Lower Upper

43 100

58 32.4 24.7 37.1

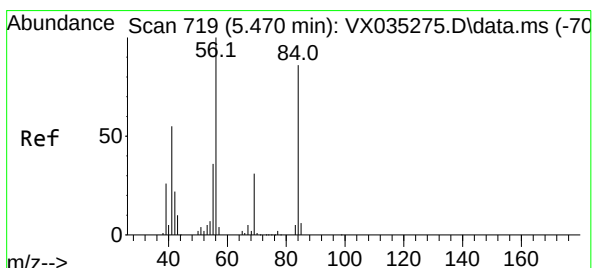
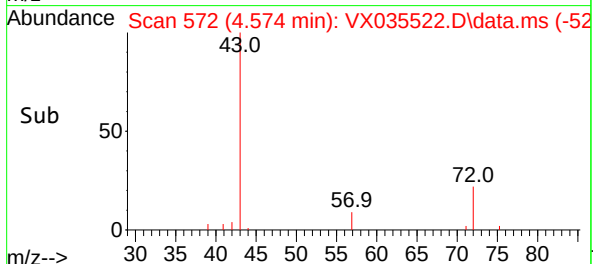
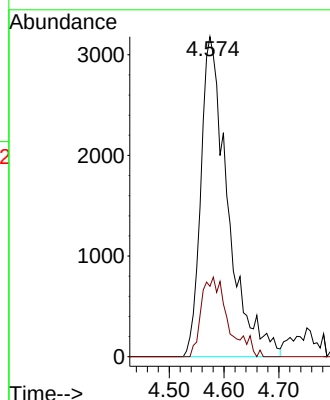
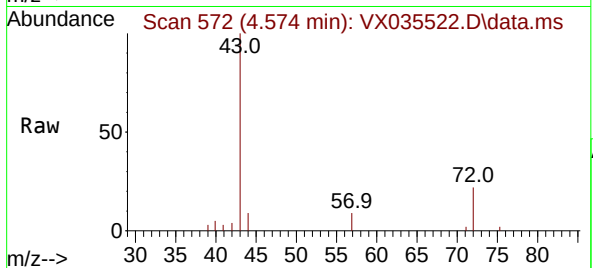




#25
2-Butanone
Concen: 7.145 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

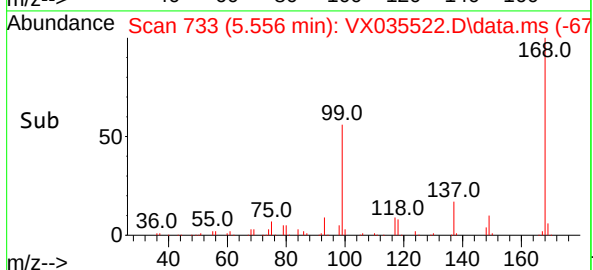
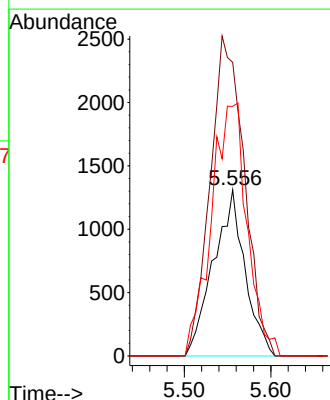
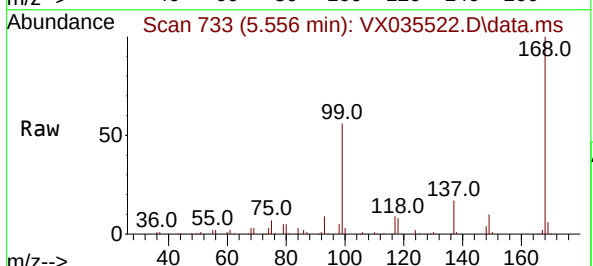
Instrument :
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ClientSampleId :
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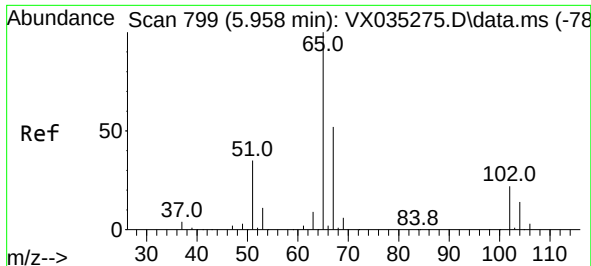
Tgt Ion: 43 Resp: 10846
Ion Ratio Lower Upper
43 100
72 22.0 19.3 28.9



#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion: 56 Resp: 3310
Ion Ratio Lower Upper
56 100
69 176.9 23.7 35.5#
84 150.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 49.459 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

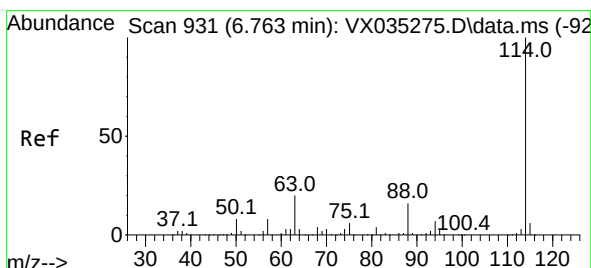
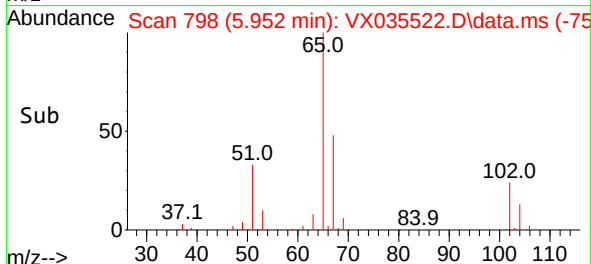
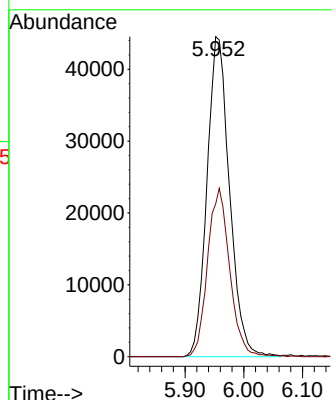
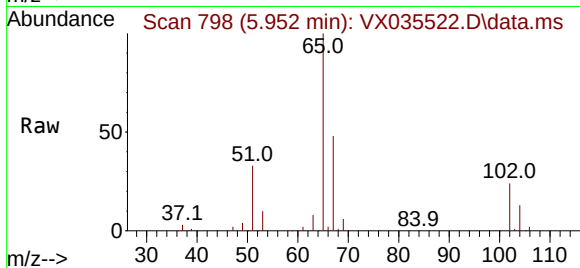
MW-1-20230503

Tgt Ion: 65 Resp: 118430

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

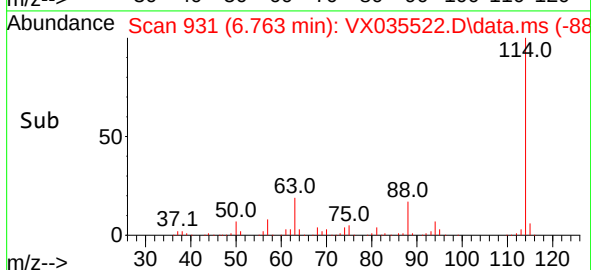
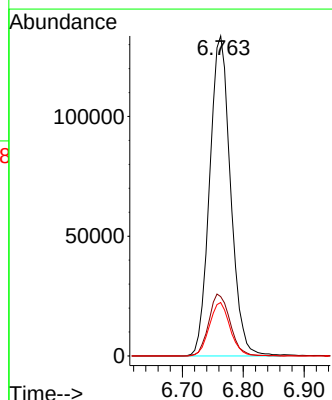
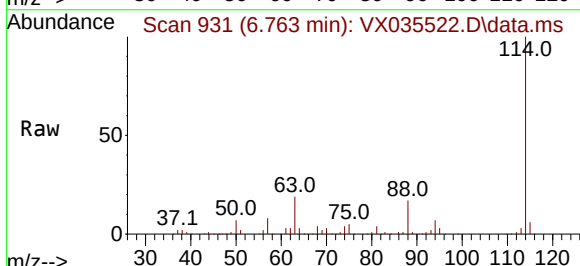
Tgt Ion: 114 Resp: 318744

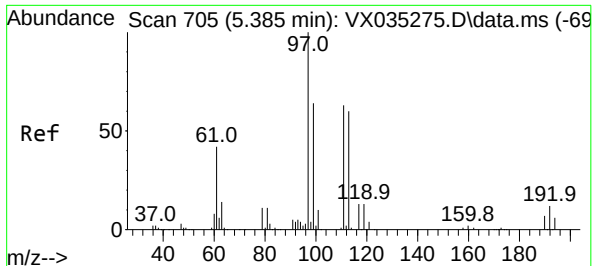
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.2

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.878 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

Instrument :

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ClientSampleId :

MW-1-20230503

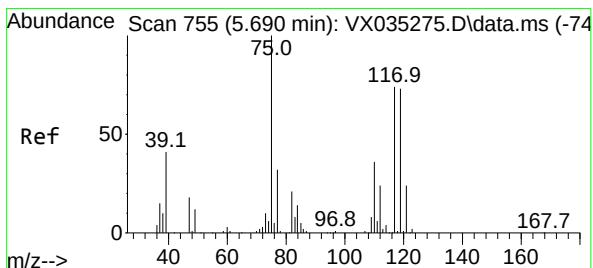
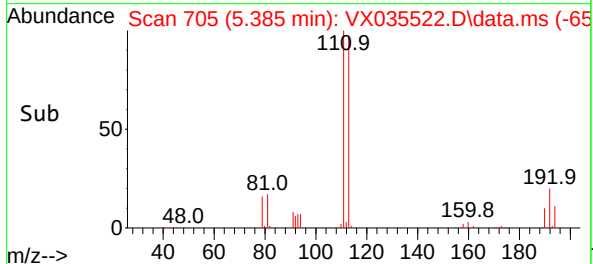
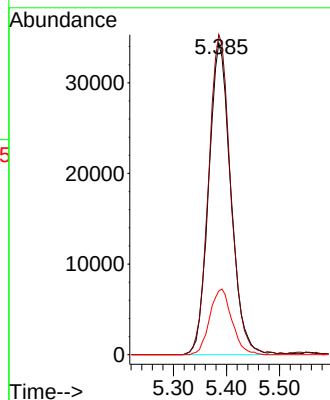
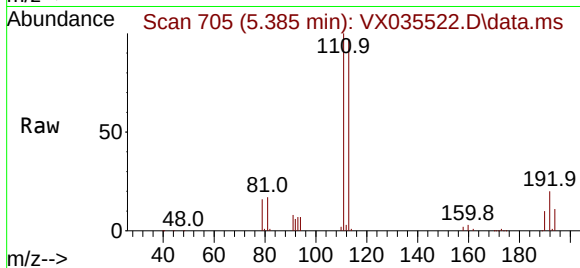
Tgt Ion:113 Resp: 99536

Ion Ratio Lower Upper

113 100

111 102.8 83.7 125.5

192 21.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

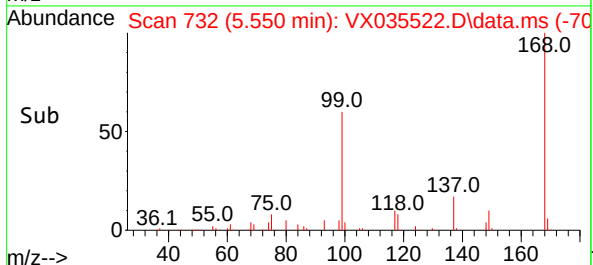
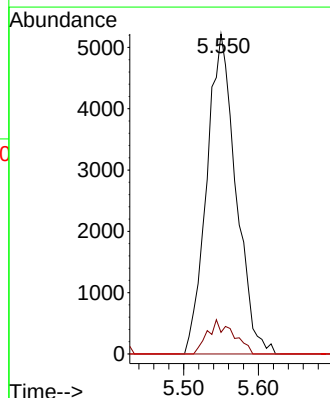
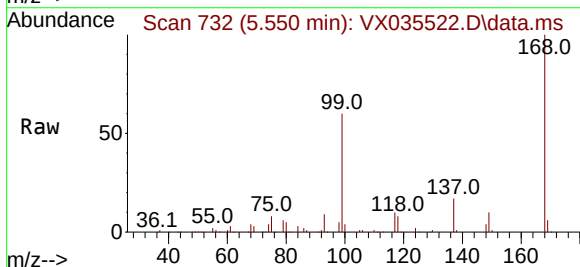
Tgt Ion: 75 Resp: 14180

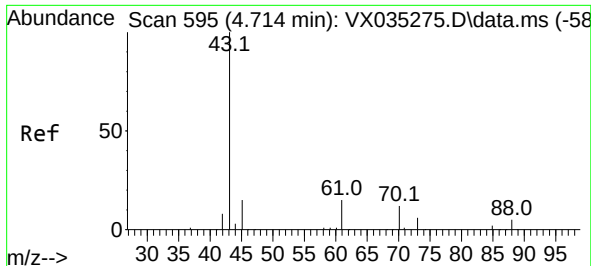
Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 0.230 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.037 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

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MW-1-20230503

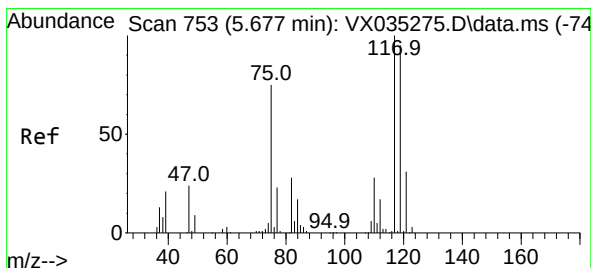
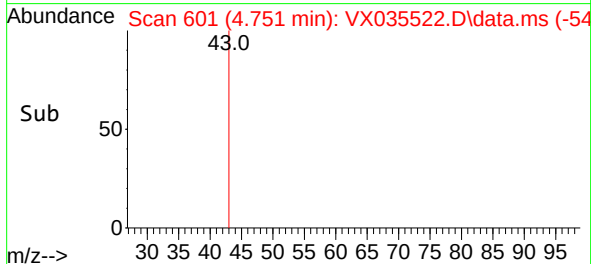
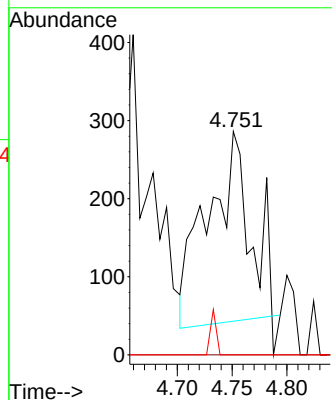
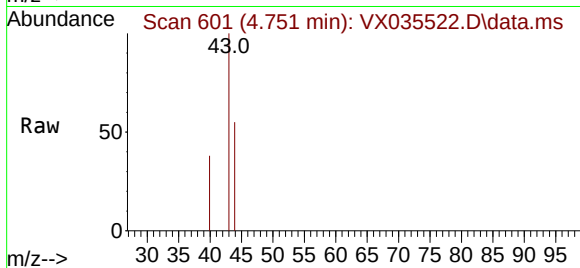
Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 3.3 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.857 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.127 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

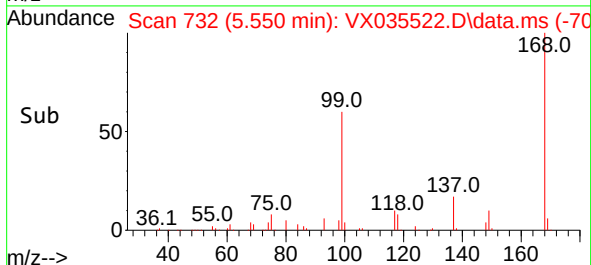
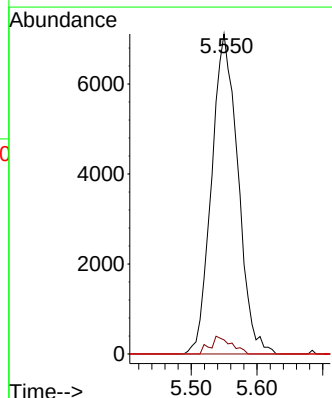
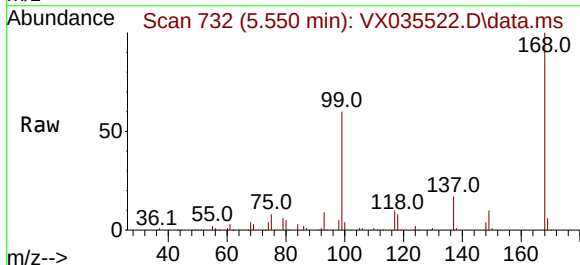
Tgt Ion: 117 Resp: 19886

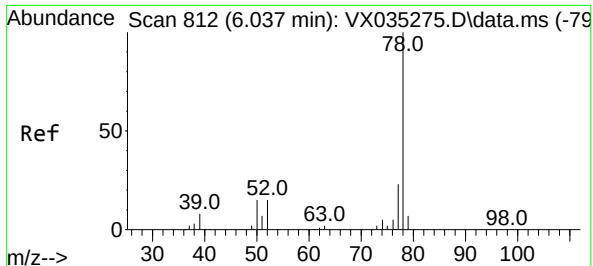
Ion Ratio Lower Upper

117 100

119 4.4 76.6 114.8#

121 0.0 23.8 35.6#

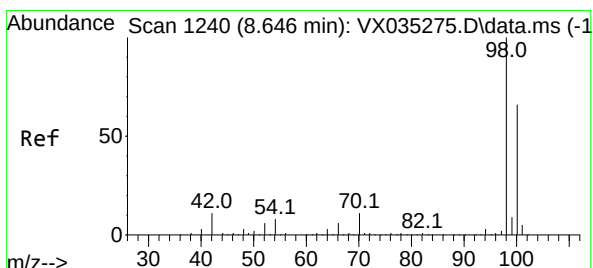
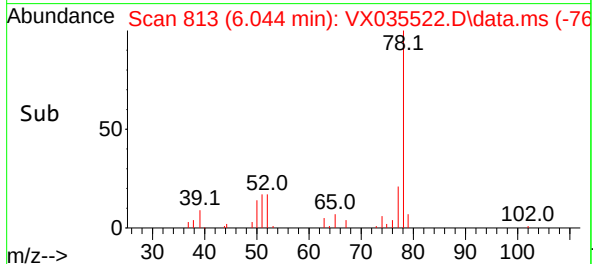
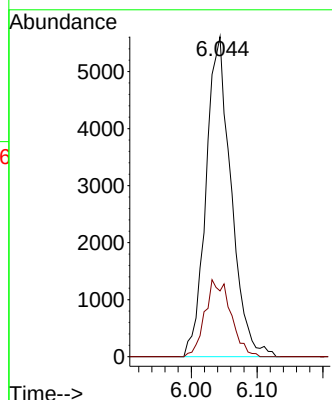
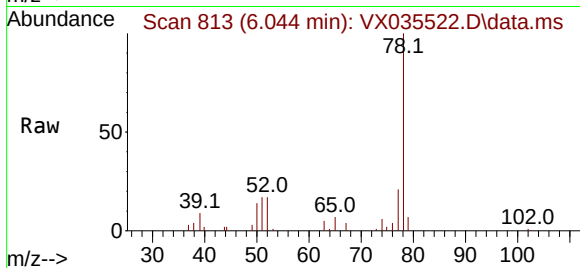




#40
Benzene
Concen: 1.699 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

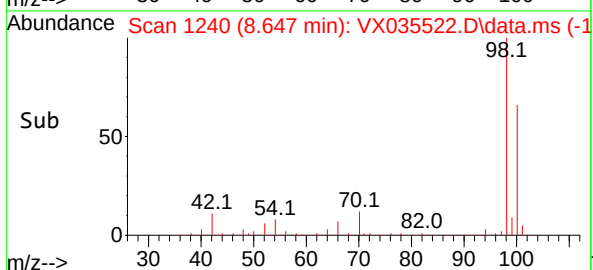
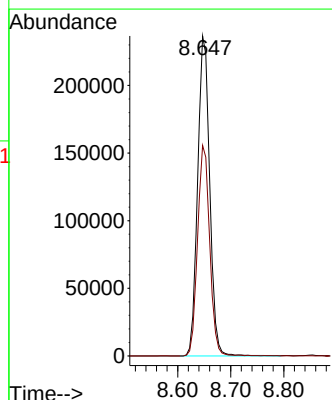
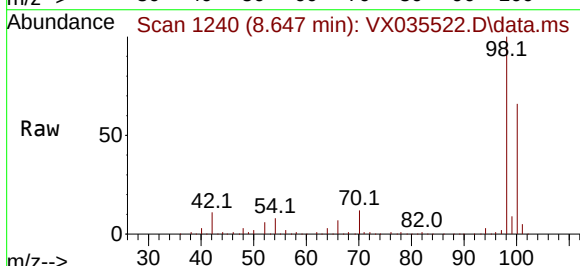
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

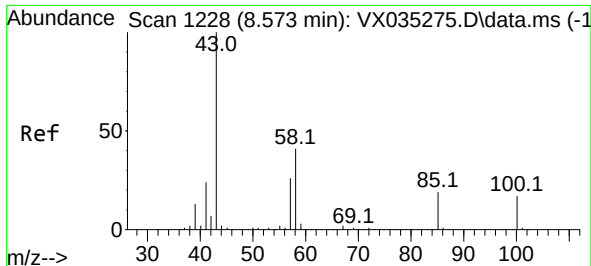
Tgt Ion: 78 Resp: 14887
Ion Ratio Lower Upper
78 100
77 20.6 19.0 28.4



#50
Toluene-d8
Concen: 50.657 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion: 98 Resp: 373848
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.364 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.007 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

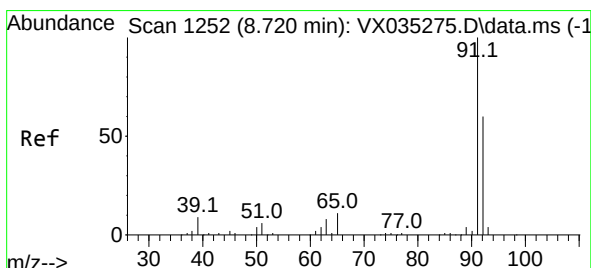
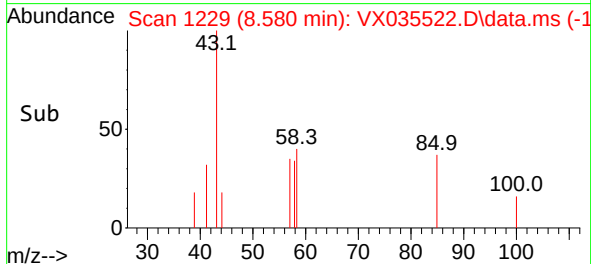
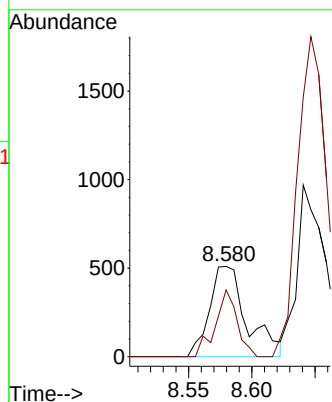
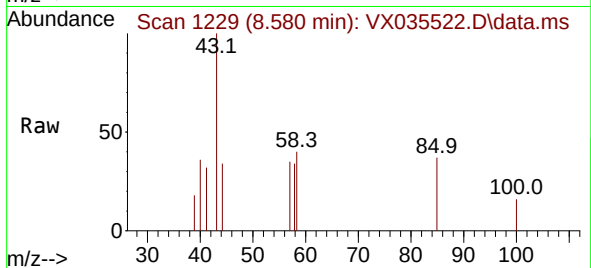
MW-1-20230503

Tgt Ion: 43 Resp: 1049

Ion Ratio Lower Upper

43 100

58 43.0 30.6 46.0



#52

Toluene

Concen: 0.435 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX035522.D

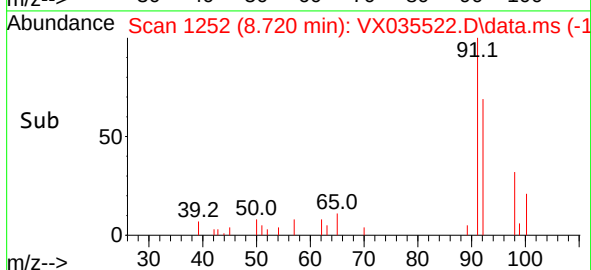
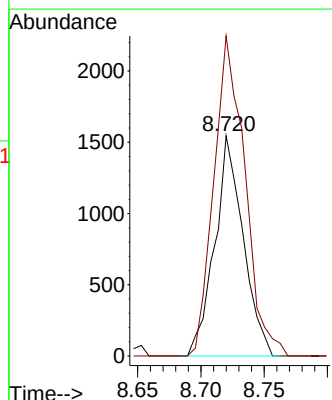
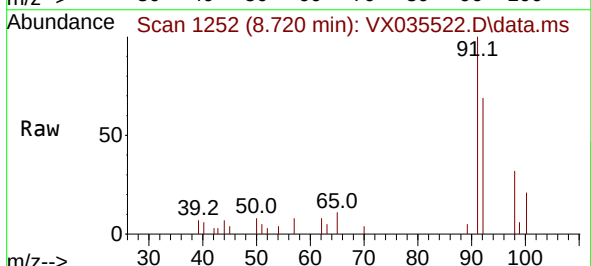
Acq: 03 May 2023 20:03

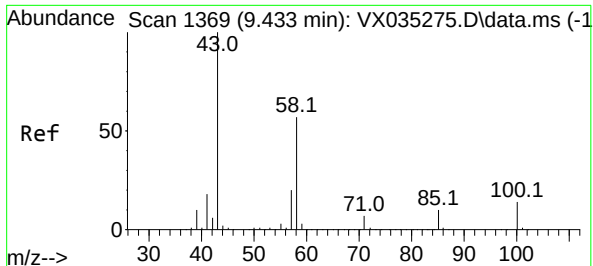
Tgt Ion: 92 Resp: 2417

Ion Ratio Lower Upper

92 100

91 158.5 136.8 205.2





#59

2-Hexanone

Concen: 0.358 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

Instrument :

MSVOA_X

ClientSampleId :

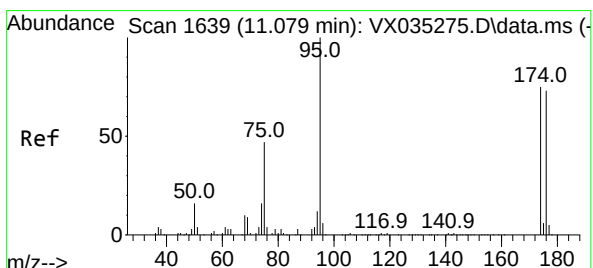
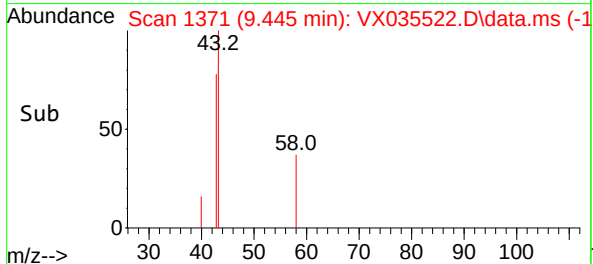
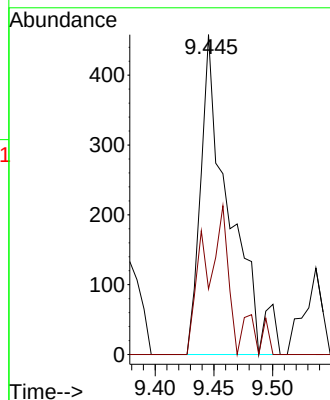
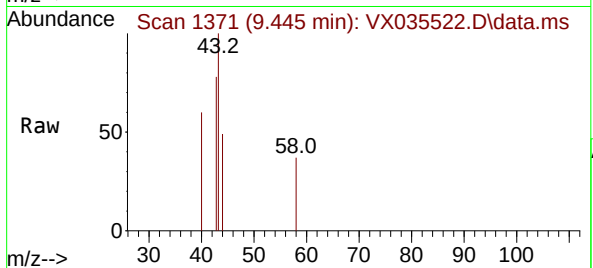
MW-1-20230503

Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

58 37.7 26.3 78.9



#62

4-Bromofluorobenzene

Concen: 53.007 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035522.D

Acq: 03 May 2023 20:03

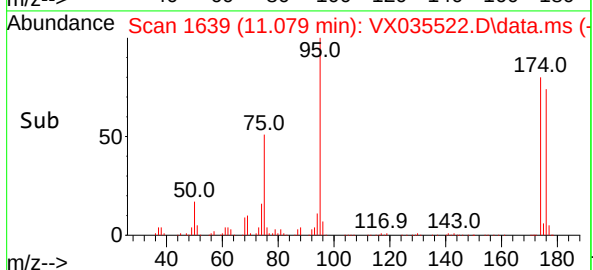
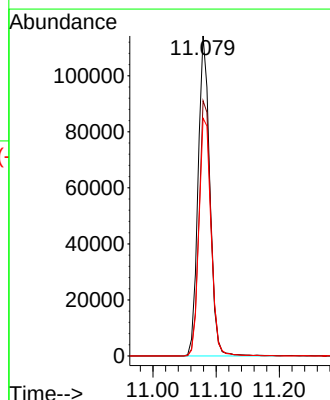
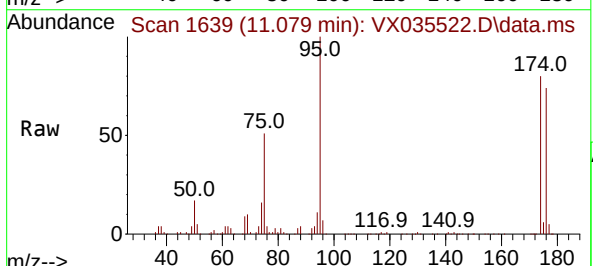
Tgt Ion: 95 Resp: 147160

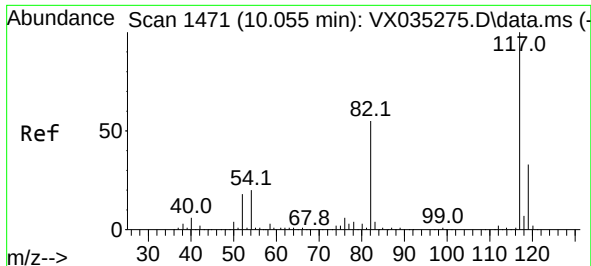
Ion Ratio Lower Upper

95 100

174 81.5 0.0 147.4

176 77.0 0.0 140.6

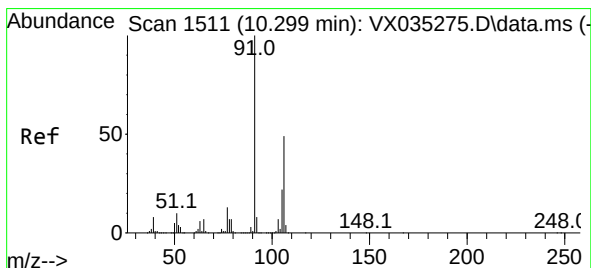
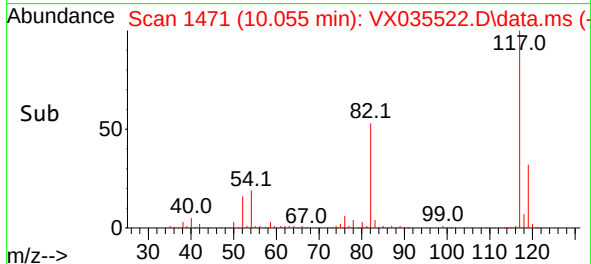
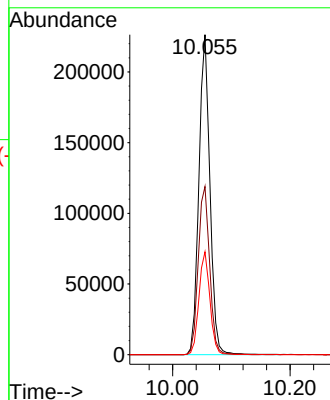
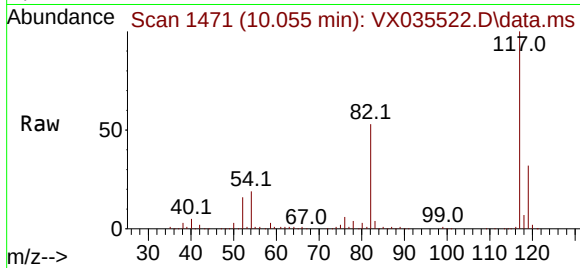




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

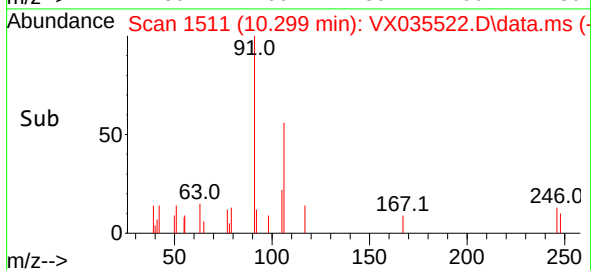
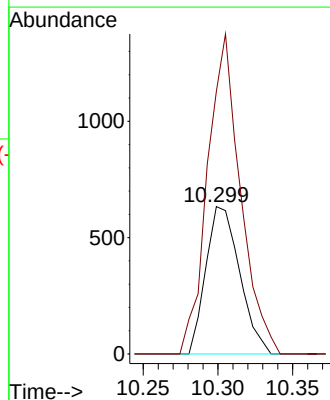
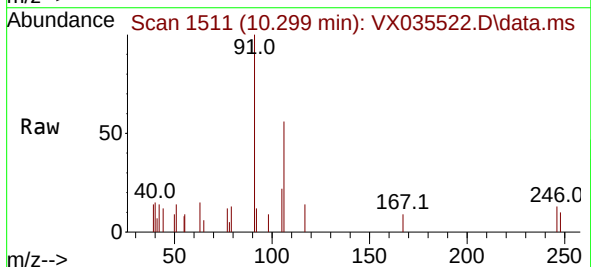
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

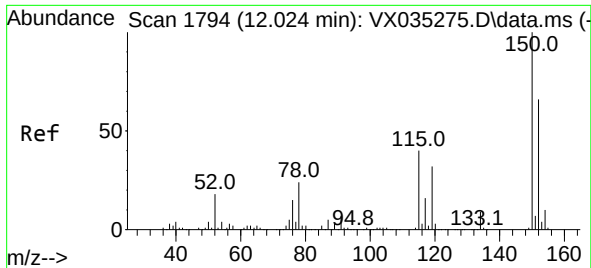
Tgt Ion:117 Resp: 295103
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.2 26.0 39.0



#68
m/p-Xylenes
Concen: 0.235 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion:106 Resp: 995
Ion Ratio Lower Upper
106 100
91 211.6 164.0 246.0

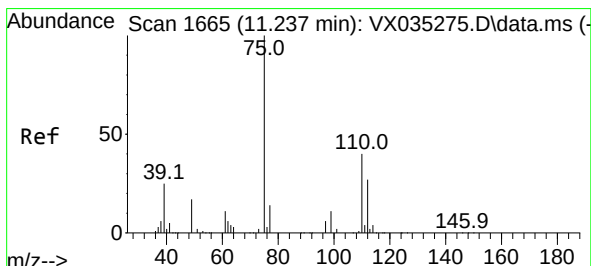
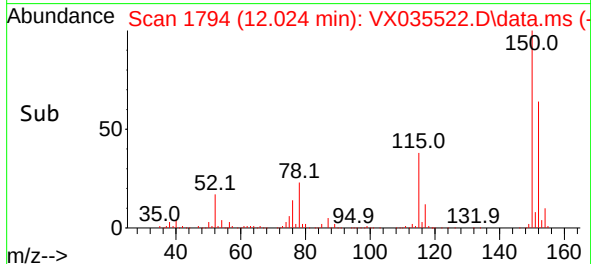
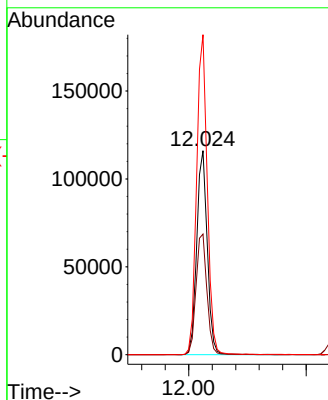
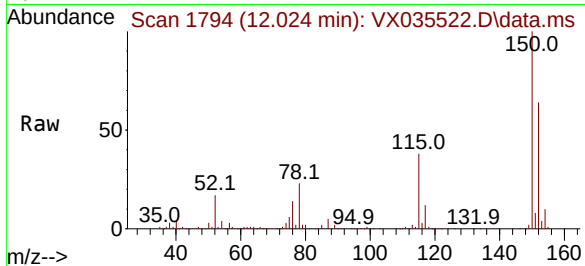




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035522.D
 Acq: 03 May 2023 20:03

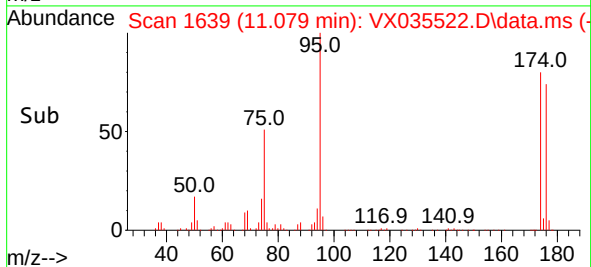
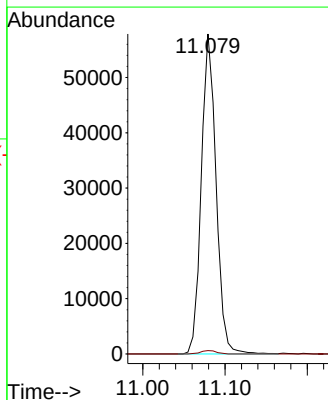
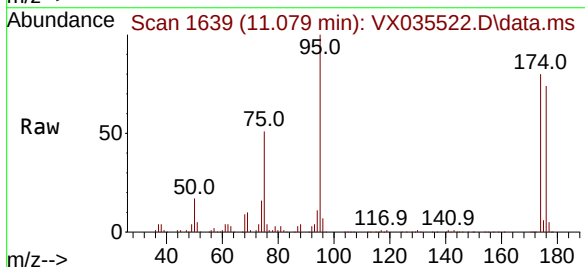
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20230503

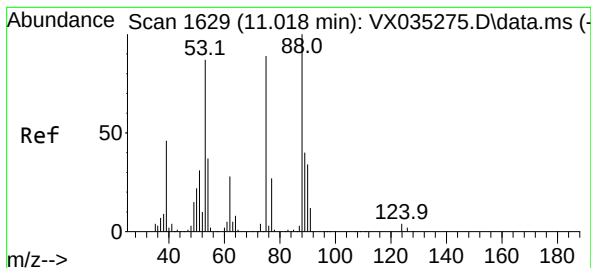
Tgt Ion:152 Resp: 144436
 Ion Ratio Lower Upper
 152 100
 115 61.3 45.0 135.0
 150 158.2 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 25.039 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX035522.D
 Acq: 03 May 2023 20:03

Tgt Ion: 75 Resp: 72141
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#

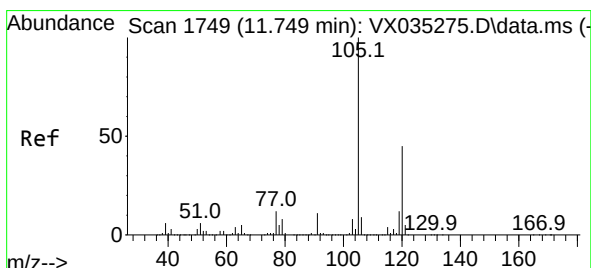
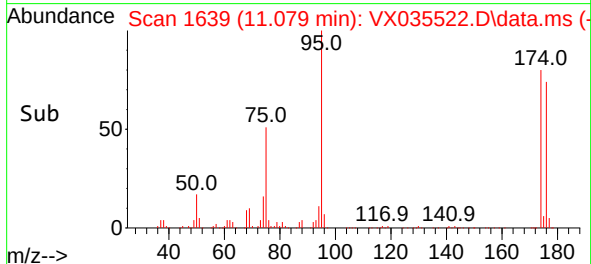
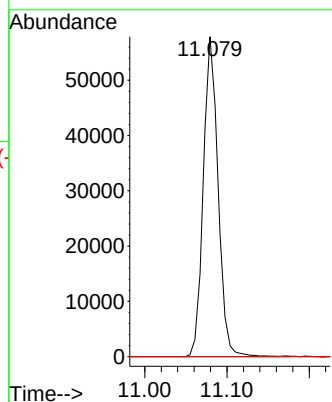
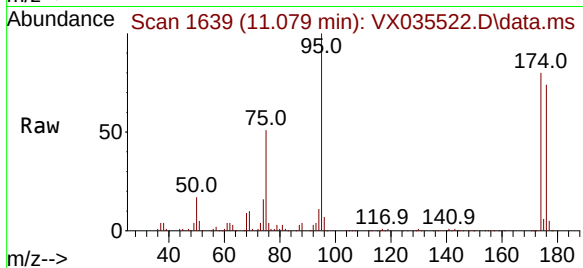




#81
trans-1,4-Dichloro-2-butene
Concen: 81.096 ug/l
RT: 11.079 min Scan# 1750
Delta R.T. 0.061 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

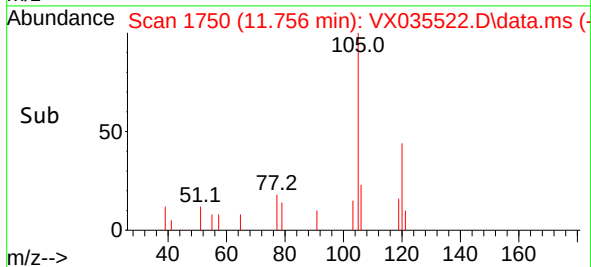
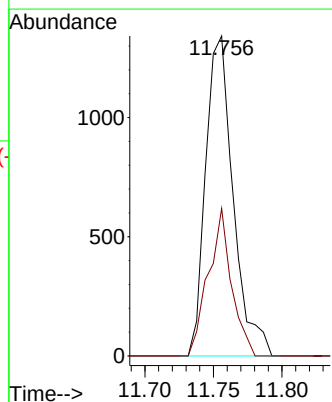
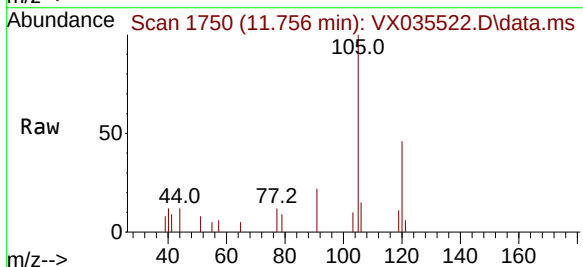
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

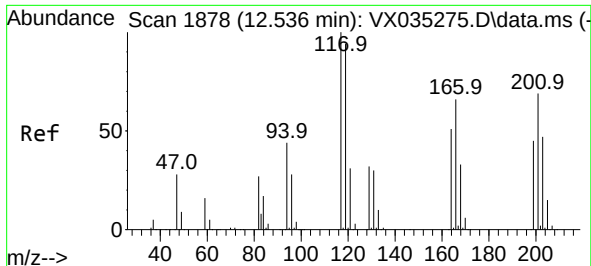
Tgt Ion: 75 Resp: 72141
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.210 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Tgt Ion: 105 Resp: 1877
Ion Ratio Lower Upper
105 100
120 38.8 22.4 67.0

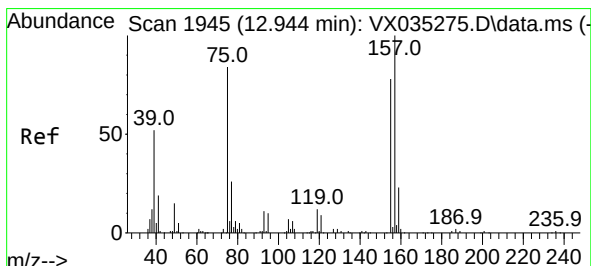
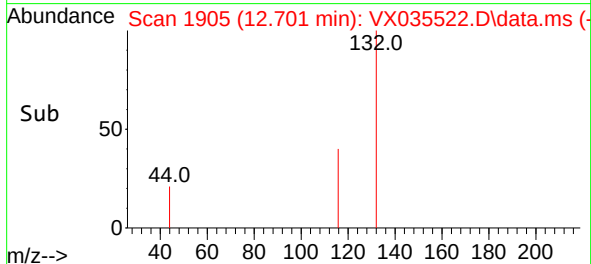
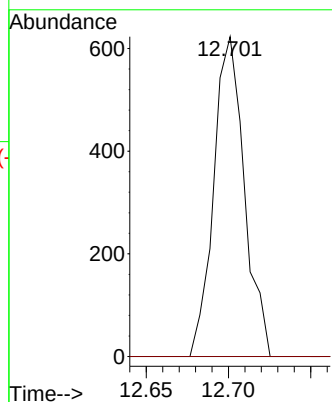
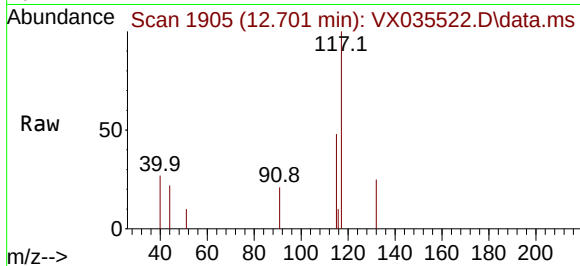




#90
Hexachloroethane
Concen: 0.565 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

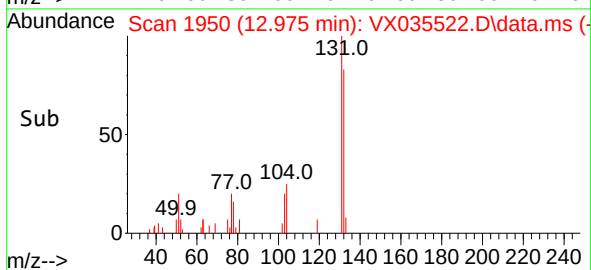
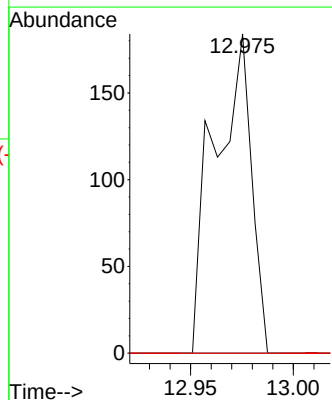
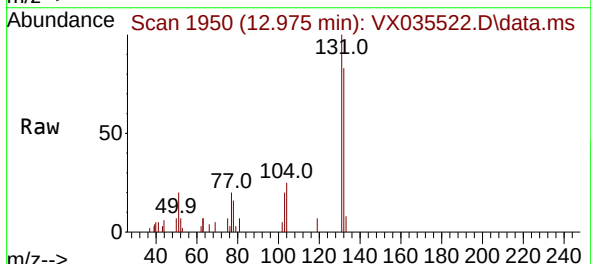
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503

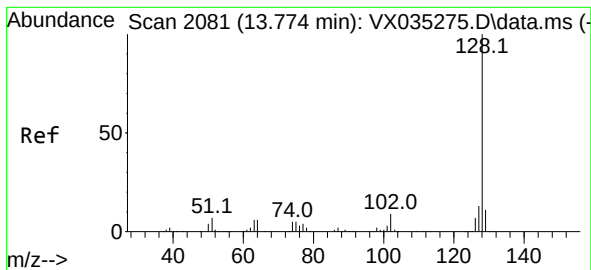
Tgt Ion:117 Resp: 806
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.350 ug/l
RT: 12.975 min Scan# 1950
Delta R.T. 0.031 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

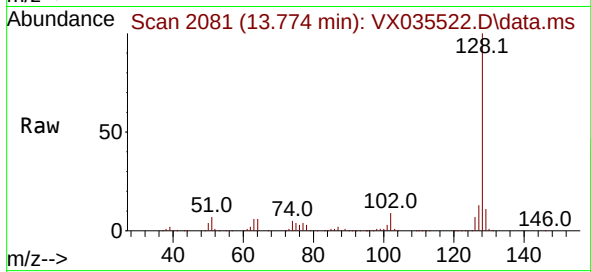
Tgt Ion: 75 Resp: 230
Ion Ratio Lower Upper
75 100
155 0.0 38.4 115.1#
157 0.0 49.9 149.7#





#95
Naphthalene
Concen: 38.882 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035522.D
Acq: 03 May 2023 20:03

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503



Tgt Ion:128 Resp: 375325
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0

