

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
 Data File : VX035521.D
 Acq On : 03 May 2023 19:40
 Operator : JC/MD
 Sample : 02597-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20230503-A

Quant Time: May 04 04:03:10 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

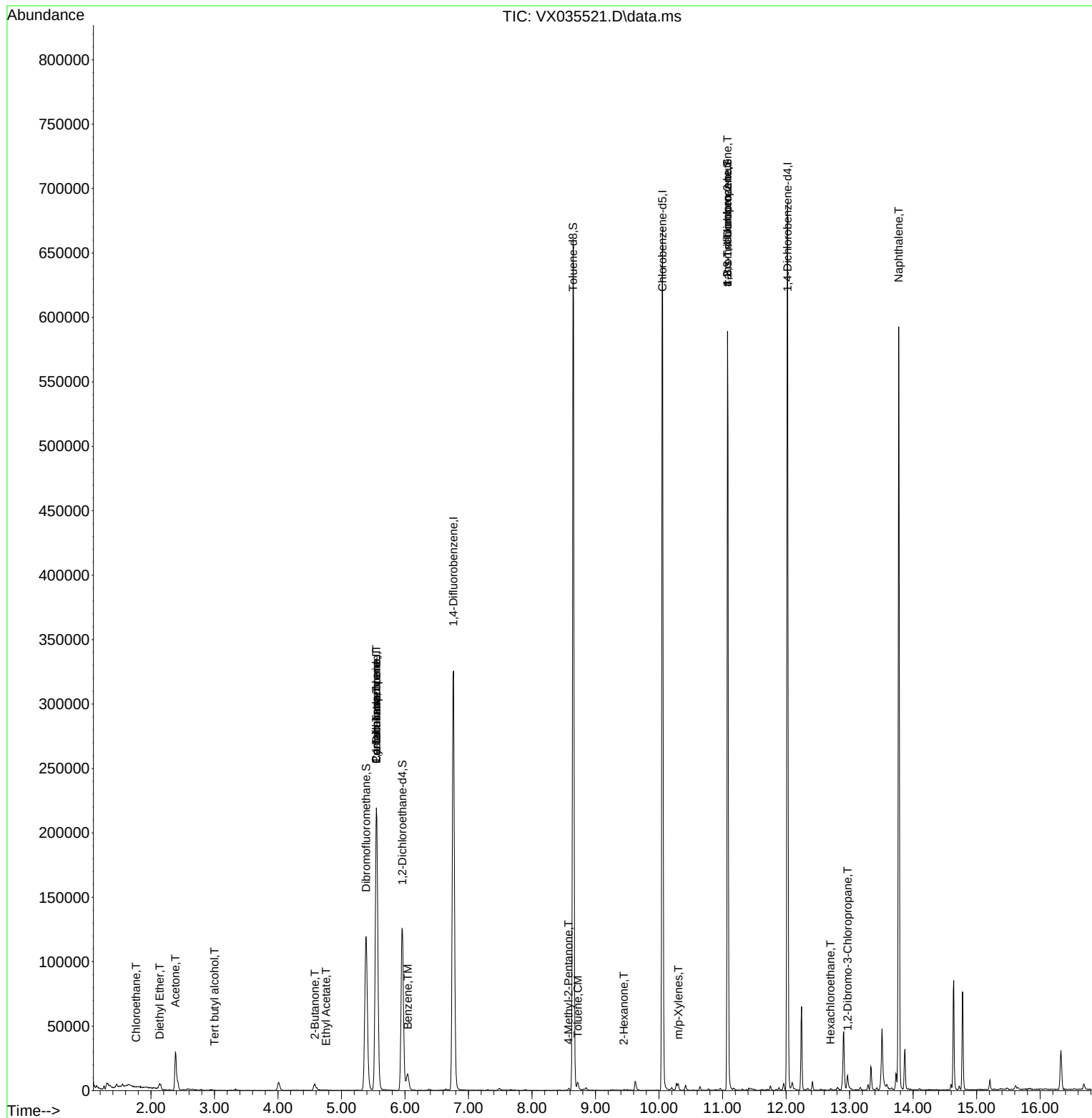
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	213267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	341230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	316707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	125771	48.882	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.760%
35) Dibromofluoromethane	5.385	113	106517	50.859	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.720%
50) Toluene-d8	8.647	98	402925	50.999	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.000%
62) 4-Bromofluorobenzene	11.079	95	158271	53.253	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.500%
Target Compounds						
					Qvalue	
6) Chloroethane	1.764	64	585	0.486	ug/l #	42
8) Diethyl Ether	2.136	74	1086	0.925	ug/l	62
11) Tert butyl alcohol	3.002	59	299	0.638	ug/l #	73
16) Acetone	2.386	43	34672	31.027	ug/l	98
25) 2-Butanone	4.581	43	10034	6.152	ug/l	93
31) Cyclohexane	5.550	56	3696	1.013	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15083	4.612	ug/l #	51
37) Ethyl Acetate	4.757	43	630	0.211	ug/l #	70
38) Carbon Tetrachloride	5.550	117	21279	6.854	ug/l #	15
40) Benzene	6.044	78	15454	1.647	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	908	0.294	ug/l	90
52) Toluene	8.720	92	2308	0.388	ug/l	99
59) 2-Hexanone	9.445	43	654	0.282	ug/l	87
68) m/p-Xylenes	10.305	106	1176	0.259	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	79111	25.437	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	79111	82.385	ug/l #	8
90) Hexachloroethane	12.701	117	701	0.455	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.969	75	171	0.241	ug/l #	5
95) Naphthalene	13.774	128	363324	34.868	ug/l	99

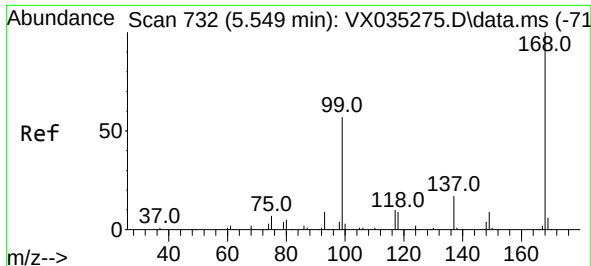
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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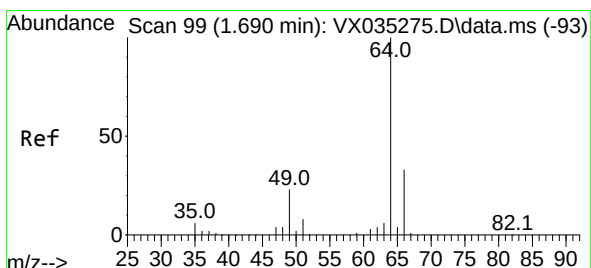
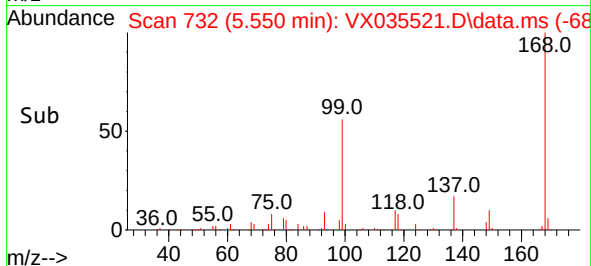
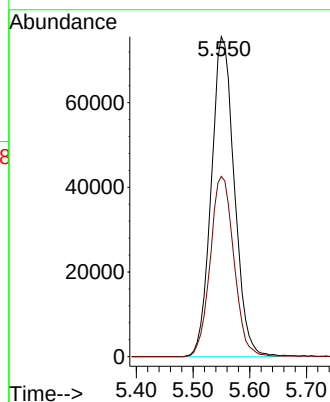
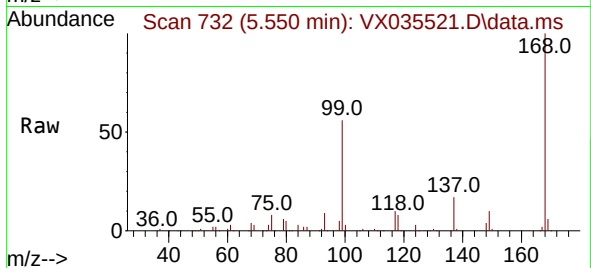




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

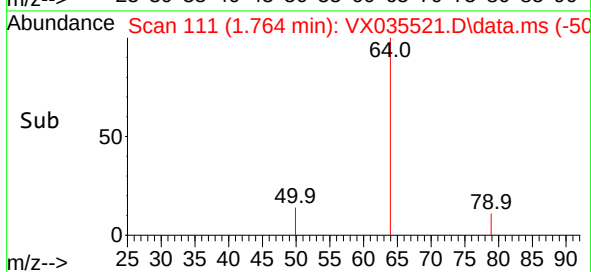
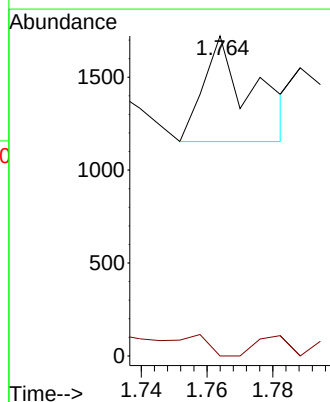
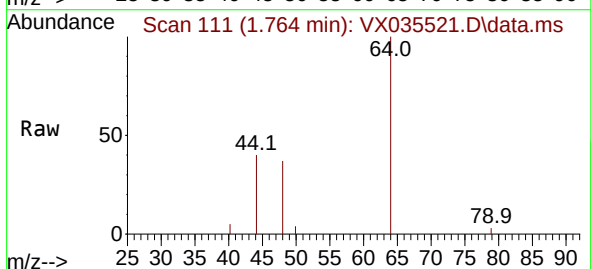
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503-A

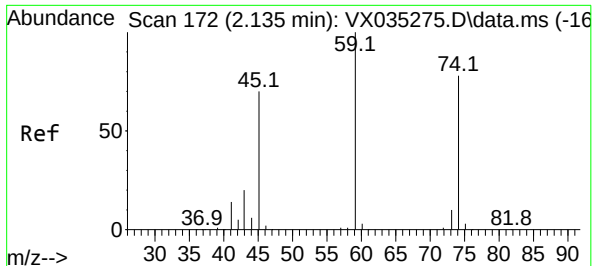
Tgt Ion:168 Resp: 213267
Ion Ratio Lower Upper
168 100
99 56.3 45.7 68.5



#6
Chloroethane
Concen: 0.486 ug/l
RT: 1.764 min Scan# 111
Delta R.T. 0.074 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#8

Diethyl Ether

Concen: 0.925 ug/l

RT: 2.136 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

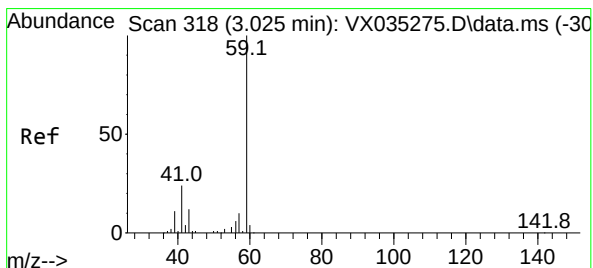
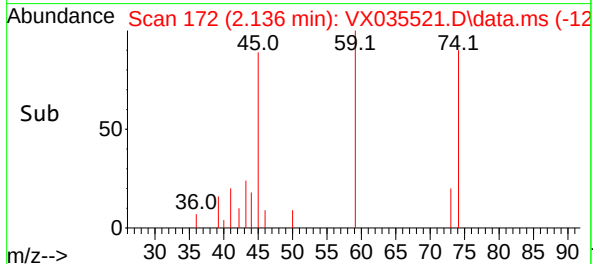
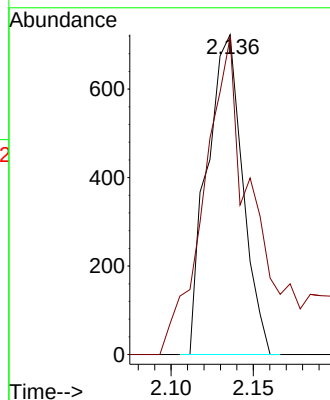
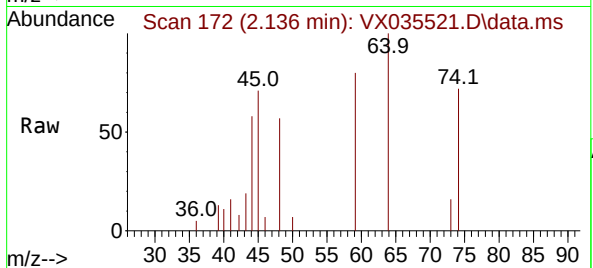
MW-1-20230503-A

Tgt Ion: 74 Resp: 1086

Ion Ratio Lower Upper

74 100

45 137.0 49.8 149.3



#11

Tert butyl alcohol

Concen: 0.638 ug/l

RT: 3.002 min Scan# 314

Delta R.T. -0.023 min

Lab File: VX035521.D

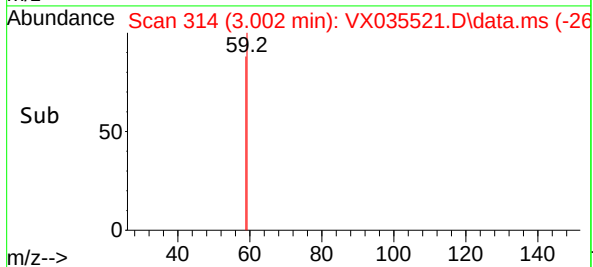
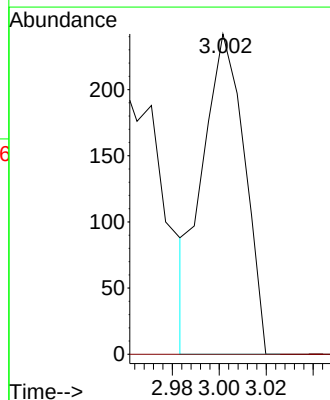
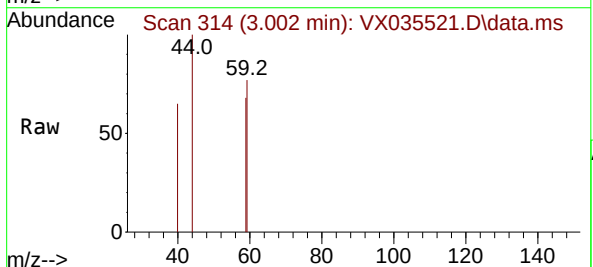
Acq: 03 May 2023 19:40

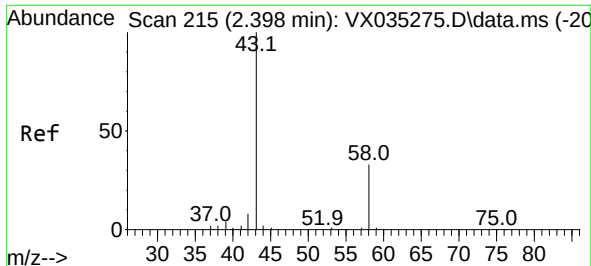
Tgt Ion: 59 Resp: 299

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#16

Acetone

Concen: 31.027 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

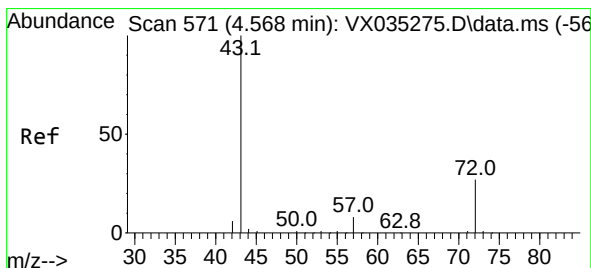
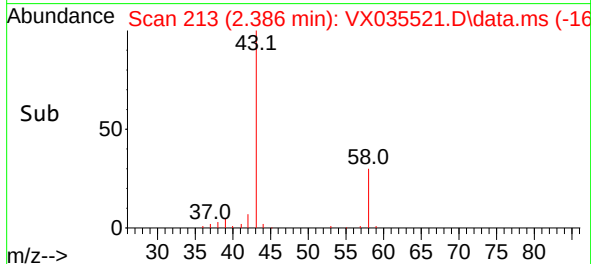
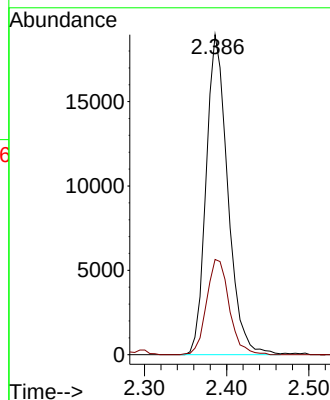
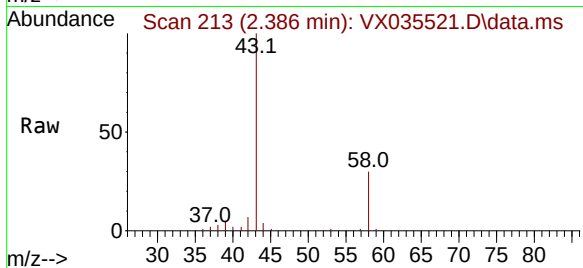
MW-1-20230503-A

Tgt Ion: 43 Resp: 34672

Ion Ratio Lower Upper

43 100

58 29.8 24.7 37.1



#25

2-Butanone

Concen: 6.152 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX035521.D

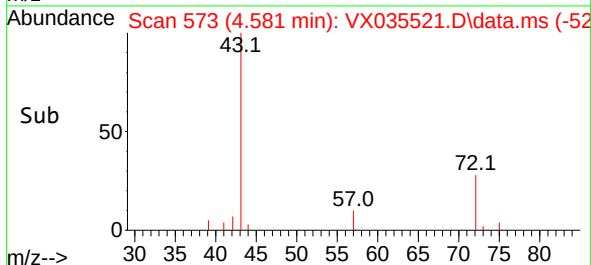
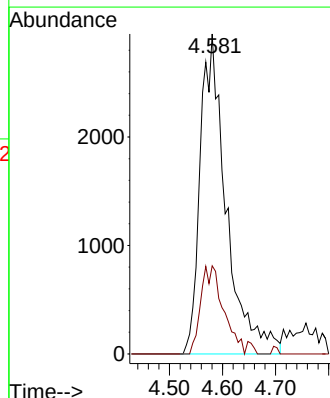
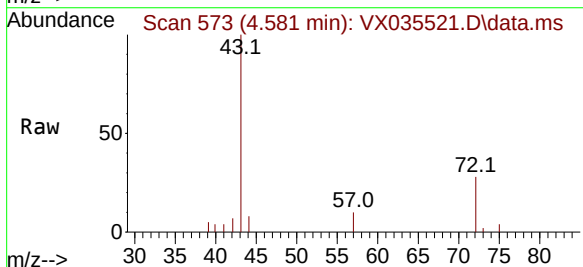
Acq: 03 May 2023 19:40

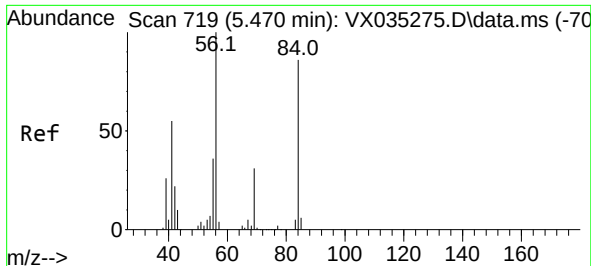
Tgt Ion: 43 Resp: 10034

Ion Ratio Lower Upper

43 100

72 27.5 19.3 28.9

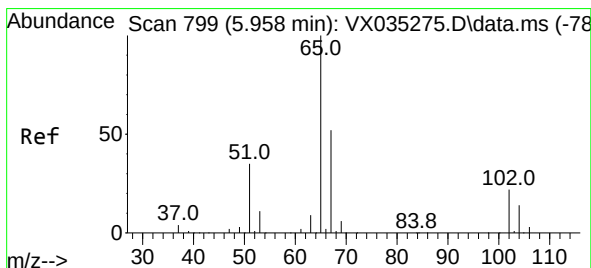
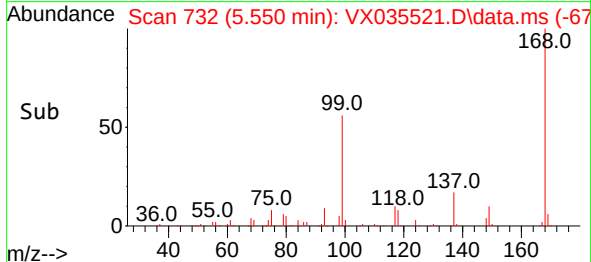
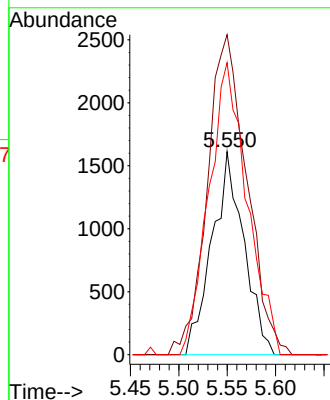
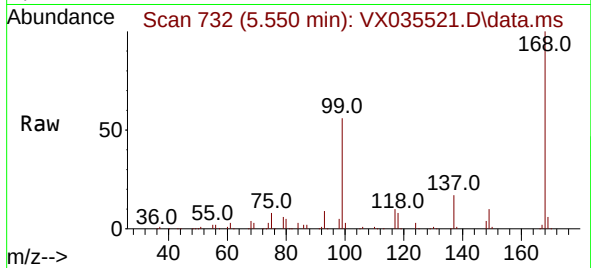




#31
Cyclohexane
Concen: 1.013 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

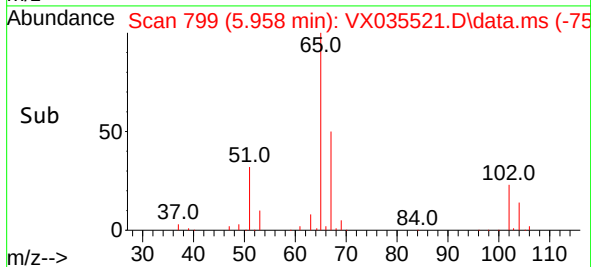
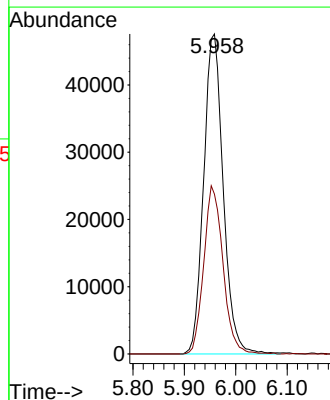
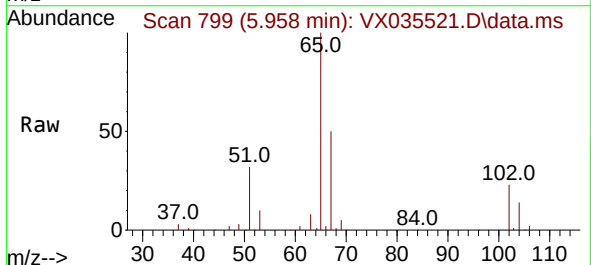
Instrument :
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ClientSampleId :
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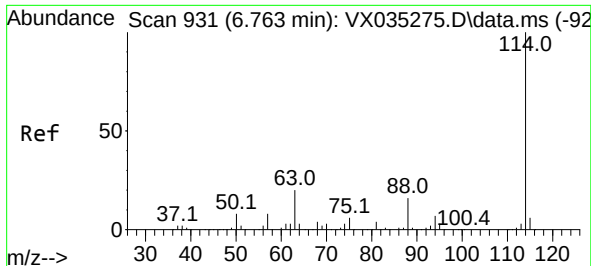
Tgt Ion: 56 Resp: 3696
Ion Ratio Lower Upper
56 100
69 152.9 23.7 35.5#
84 143.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.882 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion: 65 Resp: 125771
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0

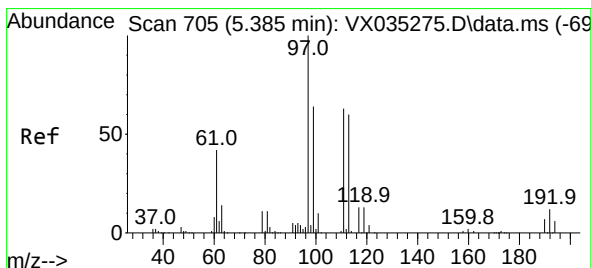
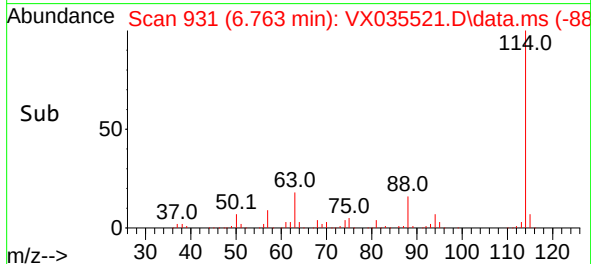
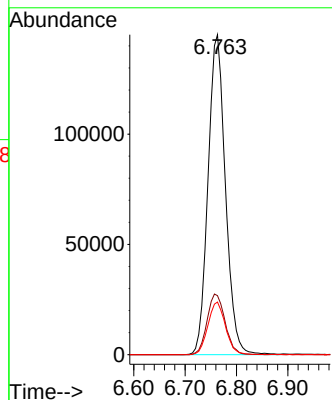
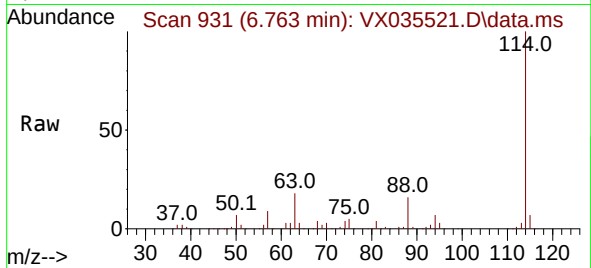




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

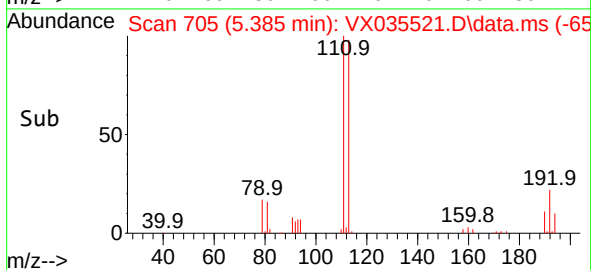
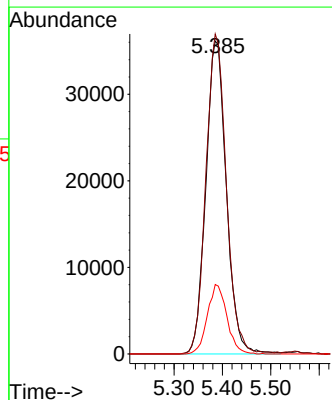
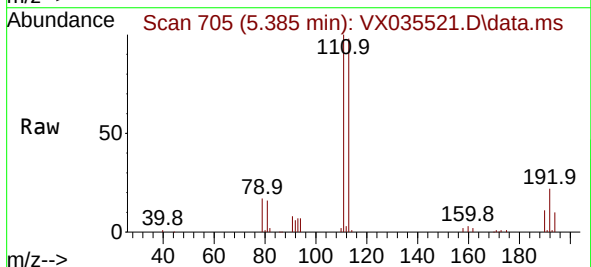
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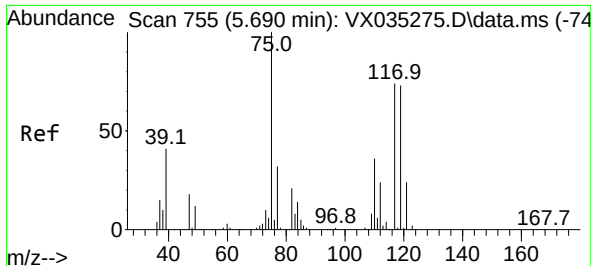
Tgt Ion:114 Resp: 341230
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 50.859 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion:113 Resp: 106517
Ion Ratio Lower Upper
113 100
111 101.8 83.7 125.5
192 21.1 15.4 23.2

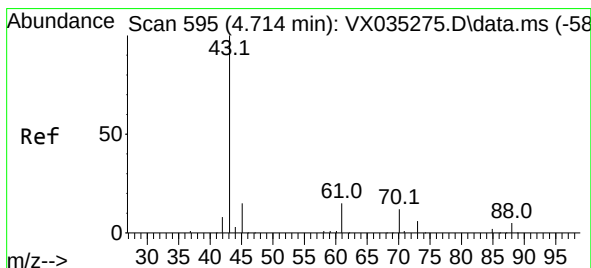
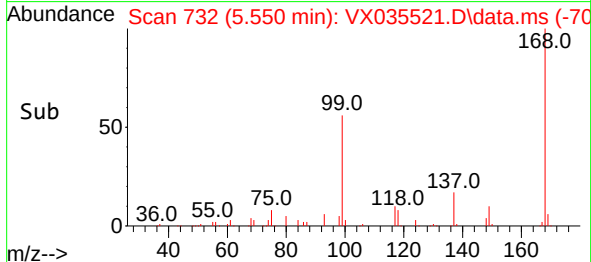
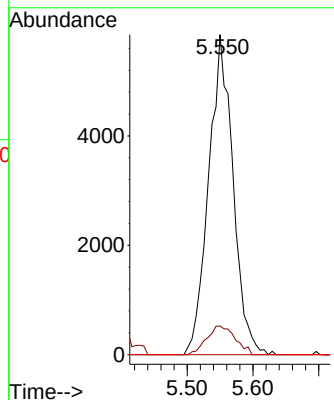
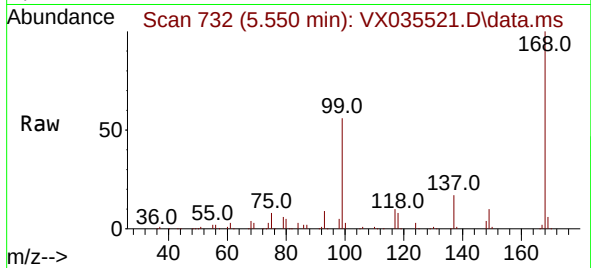




#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

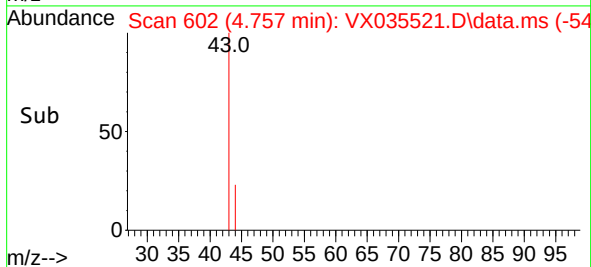
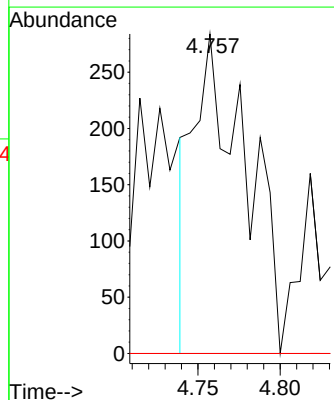
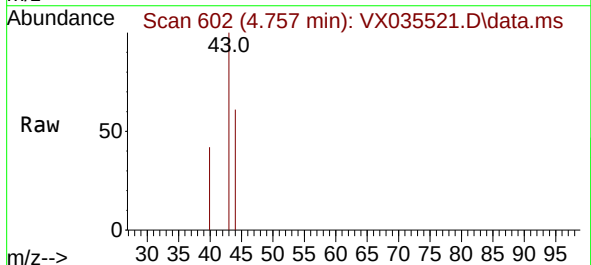
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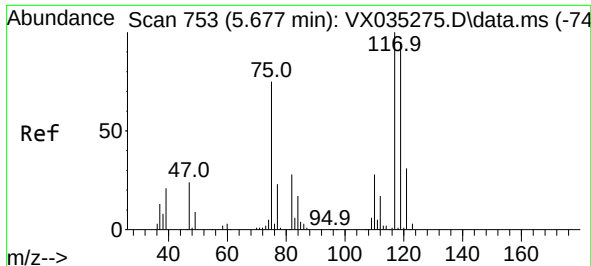
Tgt Ion: 75 Resp: 15083
Ion Ratio Lower Upper
75 100
110 10.5 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.211 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.043 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.127 min

Lab File: VX035521.D

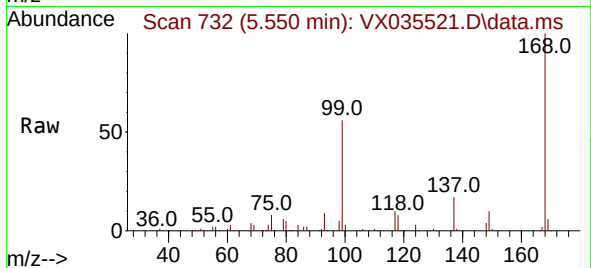
Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20230503-A



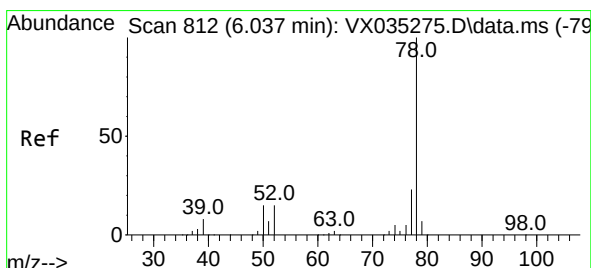
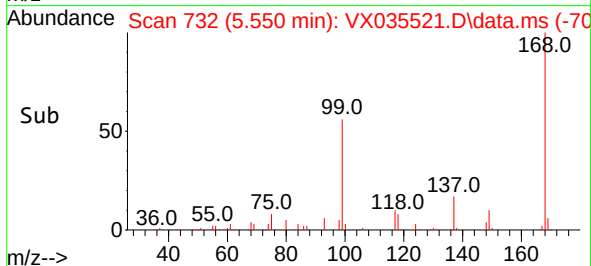
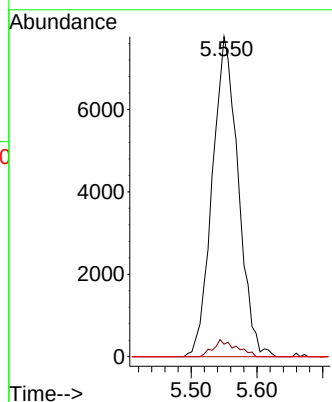
Tgt Ion:117 Resp: 21279

Ion Ratio Lower Upper

117 100

119 3.9 76.6 114.8#

121 0.0 23.8 35.6#



#40

Benzene

Concen: 1.647 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX035521.D

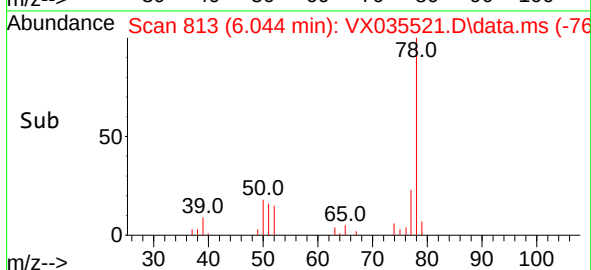
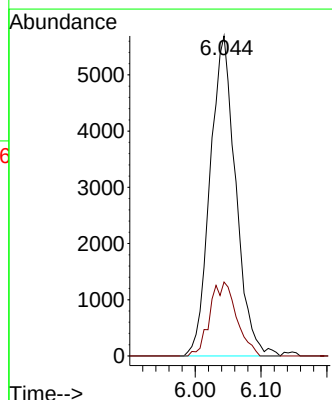
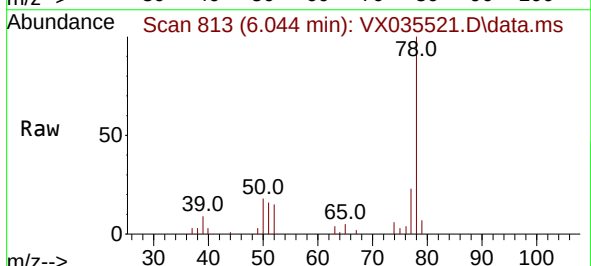
Acq: 03 May 2023 19:40

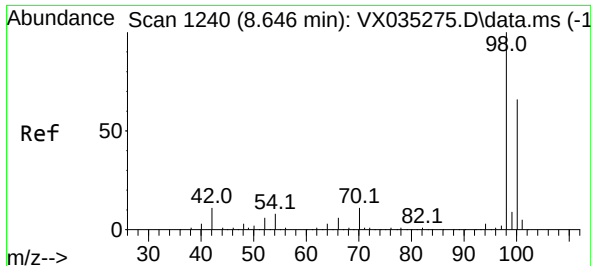
Tgt Ion: 78 Resp: 15454

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.4

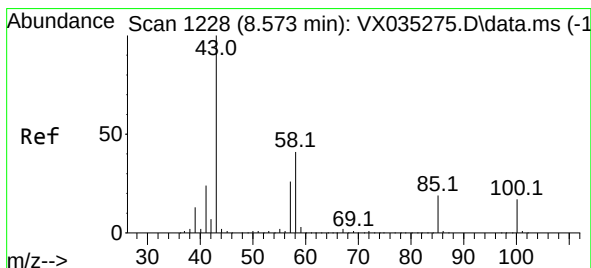
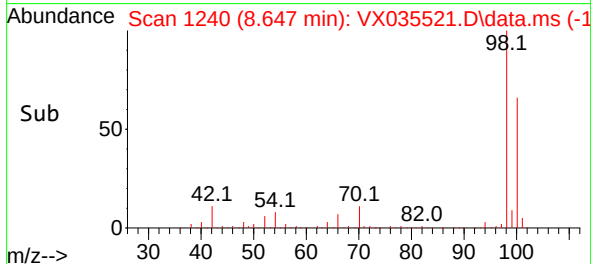
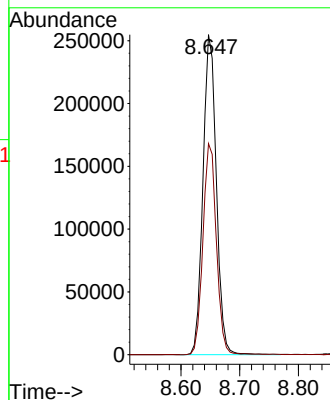
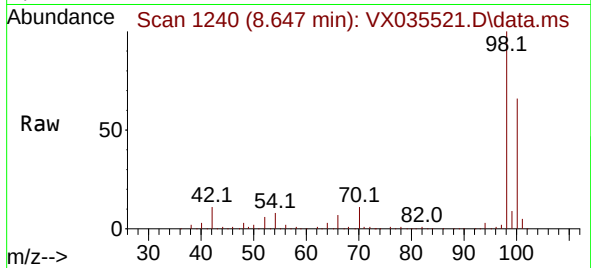




#50
Toluene-d8
Concen: 50.999 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

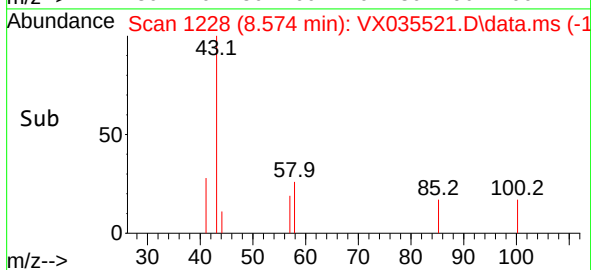
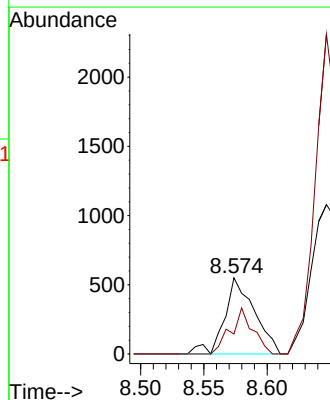
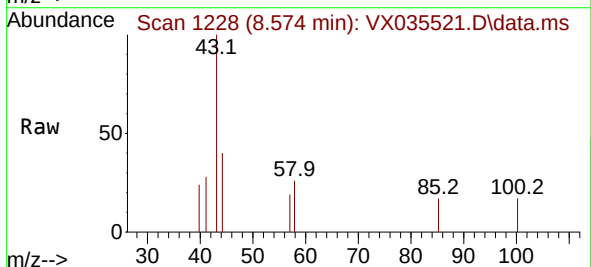
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503-A

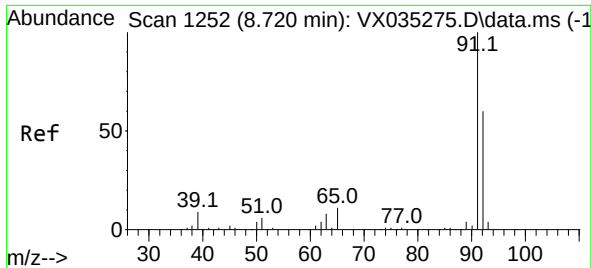
Tgt Ion: 98 Resp: 402925
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
58 44.6 30.6 46.0





#52

Toluene

Concen: 0.388 ug/l

RT: 8.720 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

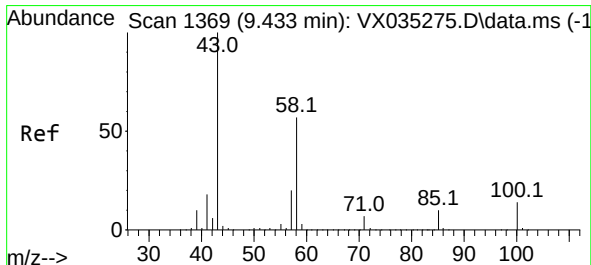
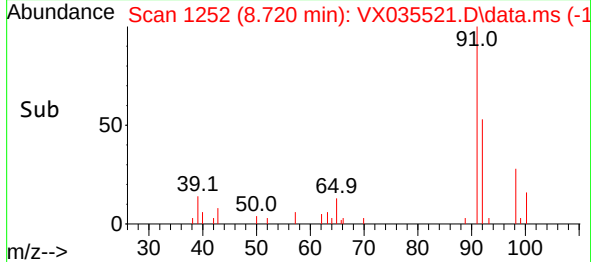
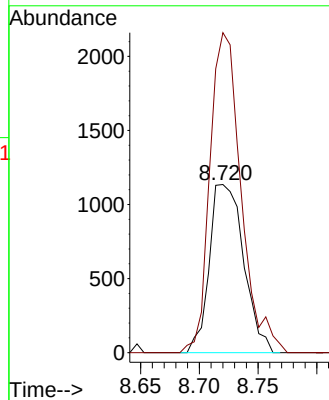
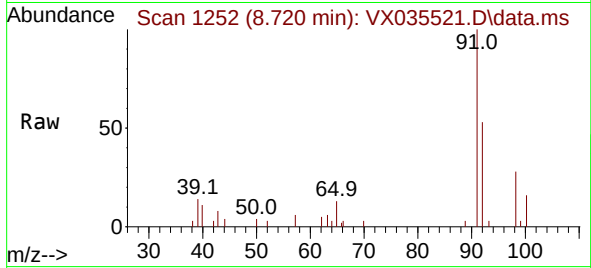
MW-1-20230503-A

Tgt Ion: 92 Resp: 2308

Ion Ratio Lower Upper

92 100

91 172.7 136.8 205.2



#59

2-Hexanone

Concen: 0.282 ug/l

RT: 9.445 min Scan# 1371

Delta R.T. 0.012 min

Lab File: VX035521.D

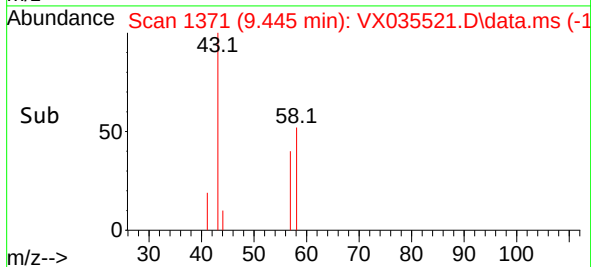
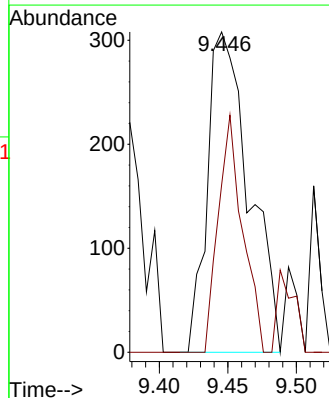
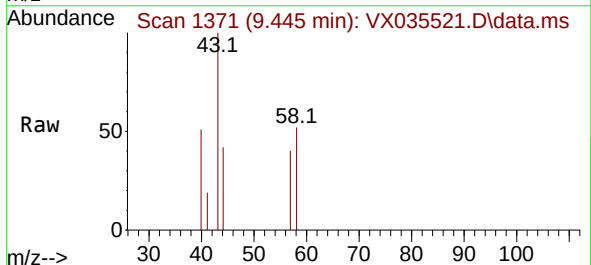
Acq: 03 May 2023 19:40

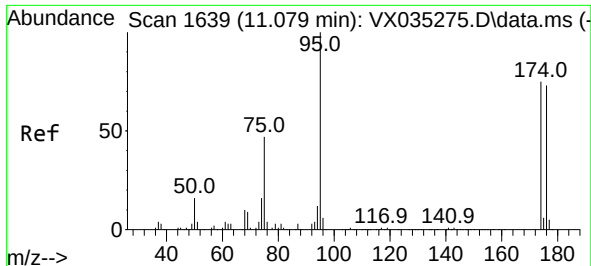
Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

43 100

58 43.1 26.3 78.9

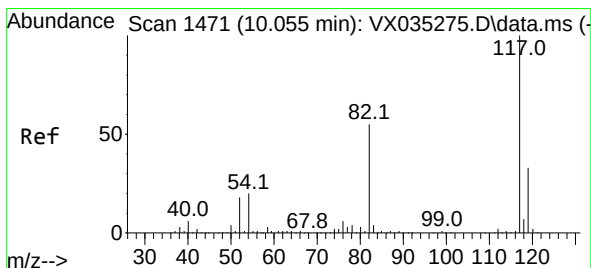
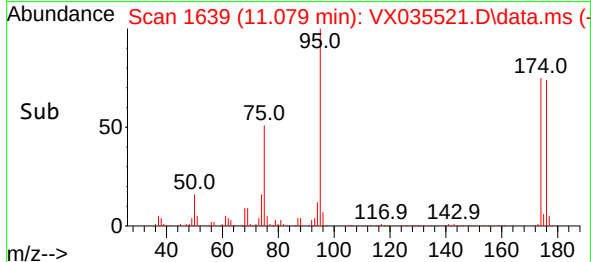
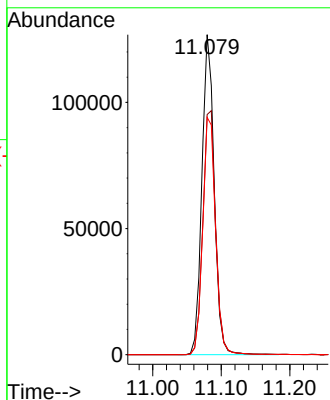
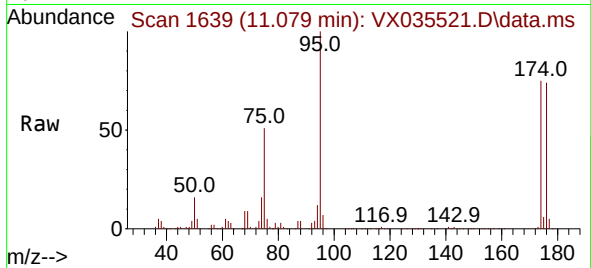




#62
4-Bromofluorobenzene
Concen: 53.253 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

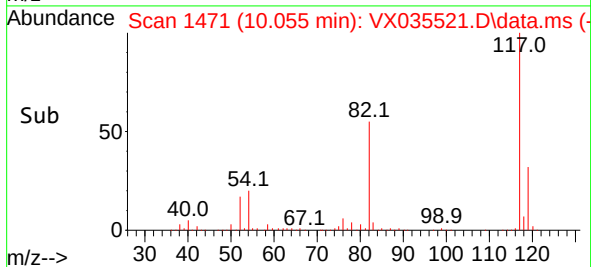
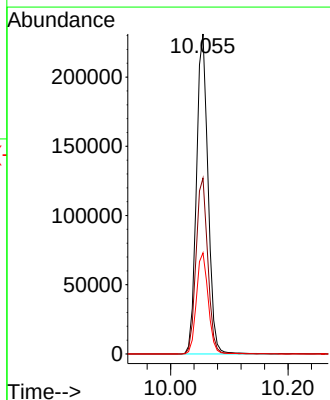
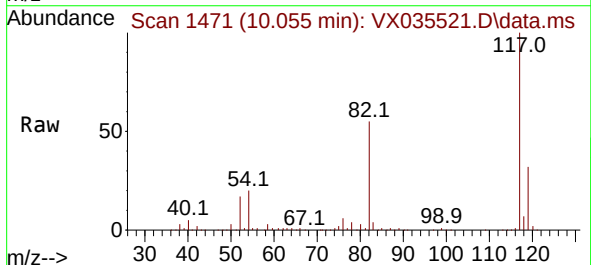
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503-A

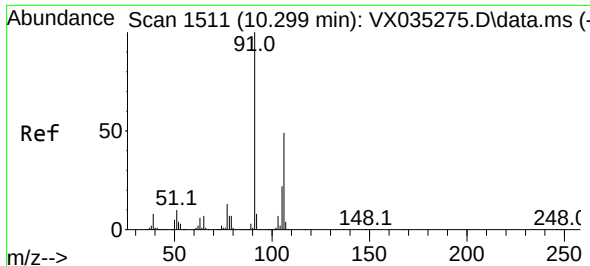
Tgt Ion: 95 Resp: 158271
Ion Ratio Lower Upper
95 100
174 80.0 0.0 147.4
176 77.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion: 117 Resp: 316707
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 31.6 26.0 39.0

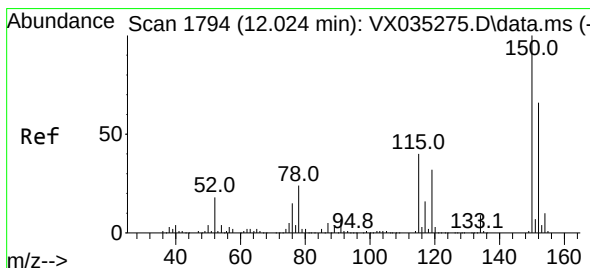
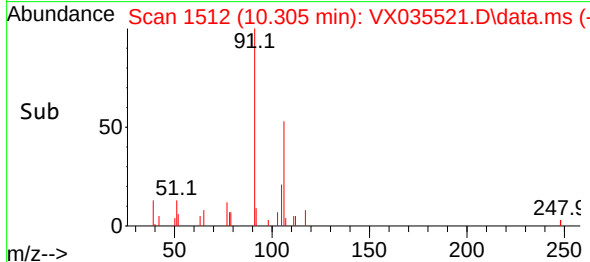
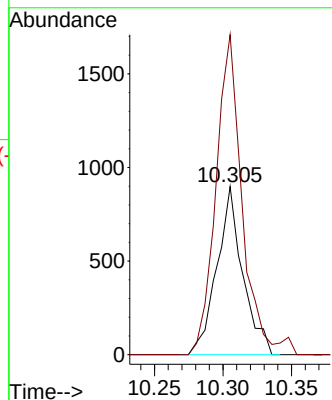
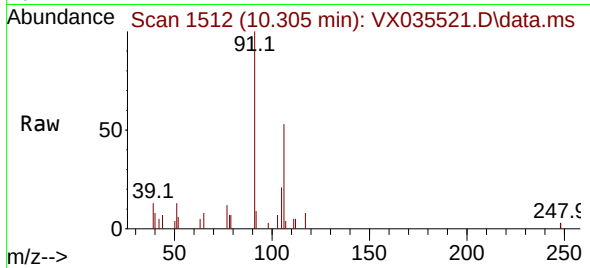




#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

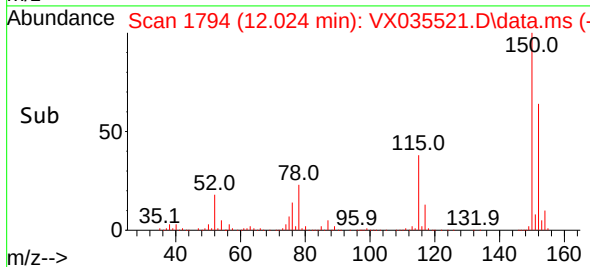
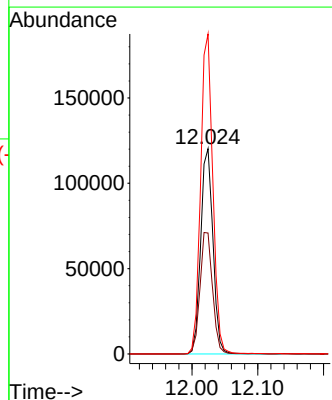
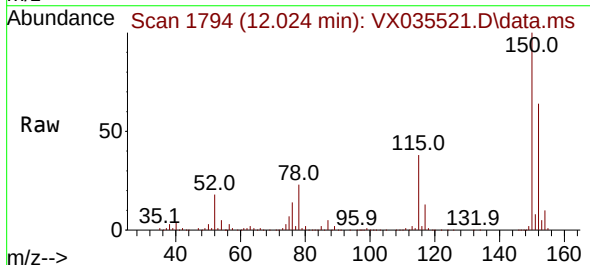
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20230503-A

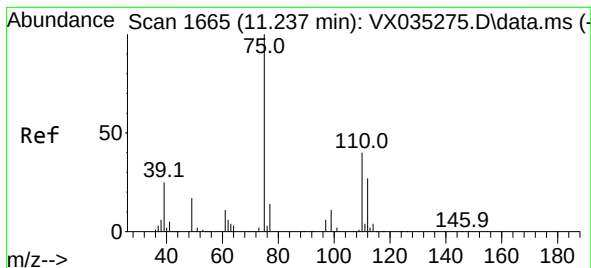
Tgt Ion:106 Resp: 1176
Ion Ratio Lower Upper
106 100
91 194.0 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035521.D
Acq: 03 May 2023 19:40

Tgt Ion:152 Resp: 155913
Ion Ratio Lower Upper
152 100
115 60.7 45.0 135.0
150 154.7 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 25.437 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

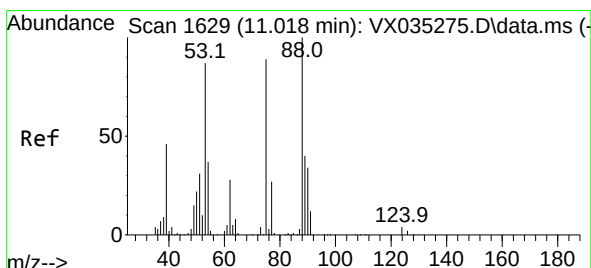
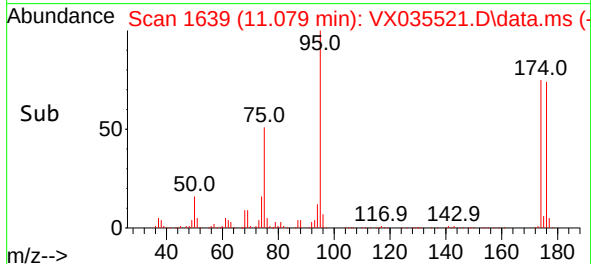
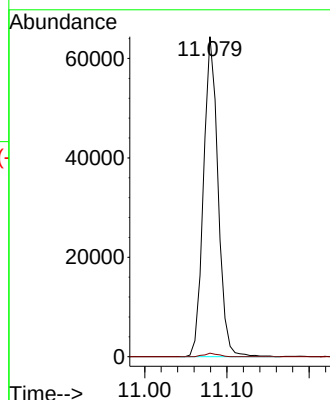
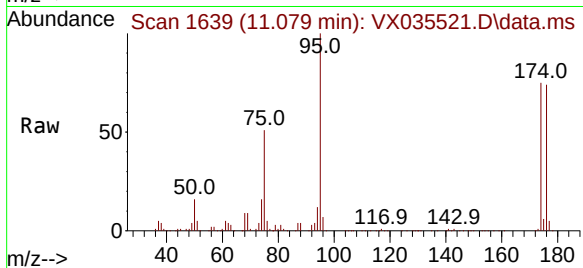
MW-1-20230503-A

Tgt Ion: 75 Resp: 79111

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.385 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

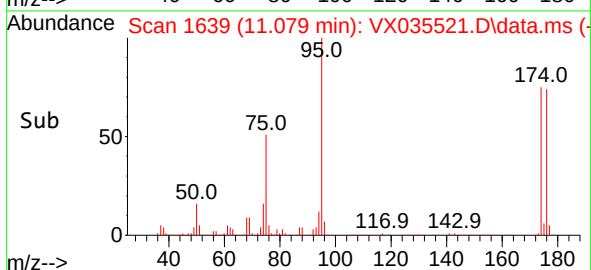
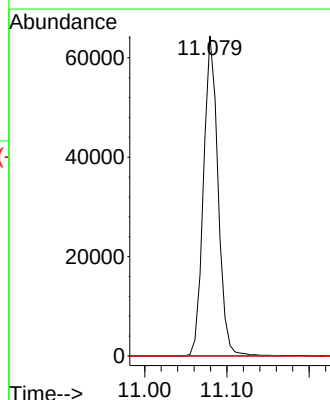
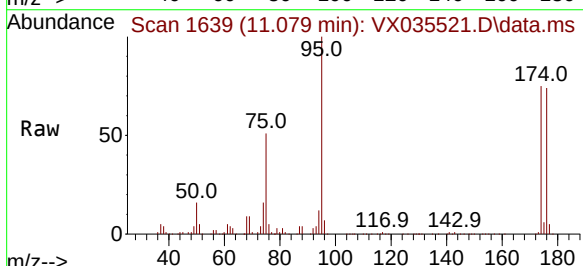
Tgt Ion: 75 Resp: 79111

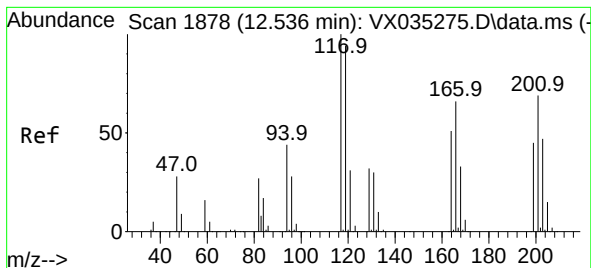
Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 0.455 ug/l

RT: 12.701 min Scan# 1905

Delta R.T. 0.165 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

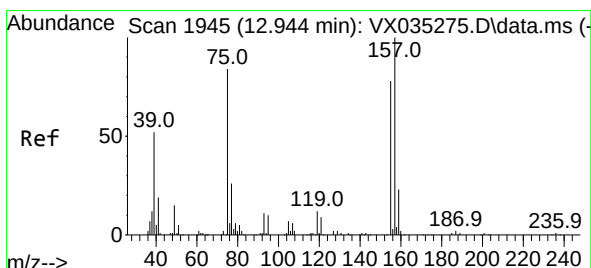
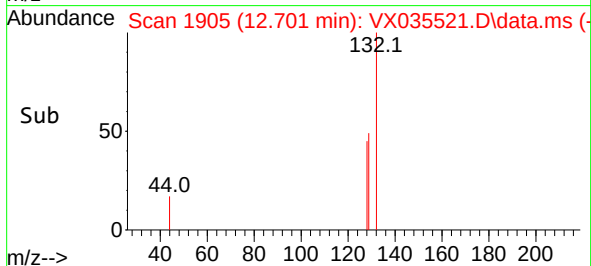
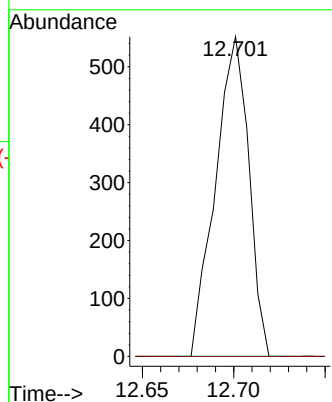
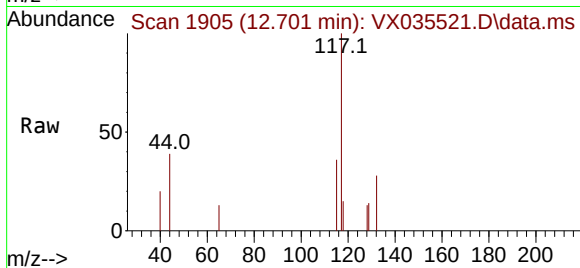
MW-1-20230503-A

Tgt Ion:117 Resp: 701

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.241 ug/l

RT: 12.969 min Scan# 1949

Delta R.T. 0.025 min

Lab File: VX035521.D

Acq: 03 May 2023 19:40

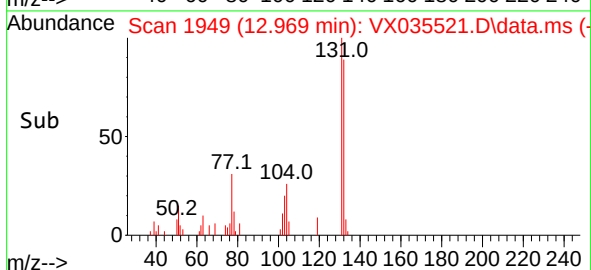
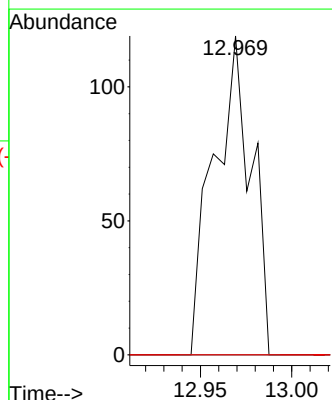
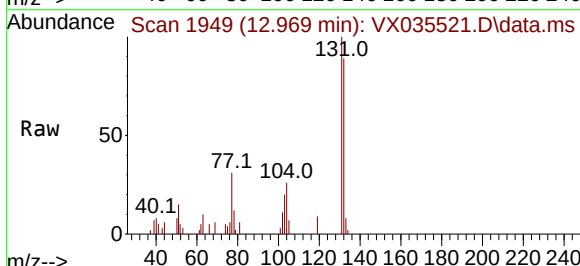
Tgt Ion: 75 Resp: 171

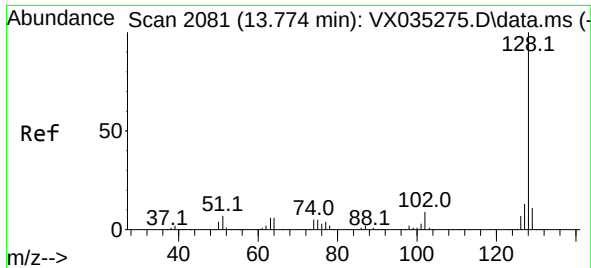
Ion Ratio Lower Upper

75 100

155 0.0 38.4 115.1#

157 0.0 49.9 149.7#





#95

Naphthalene

Concen: 34.868 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX035521.D

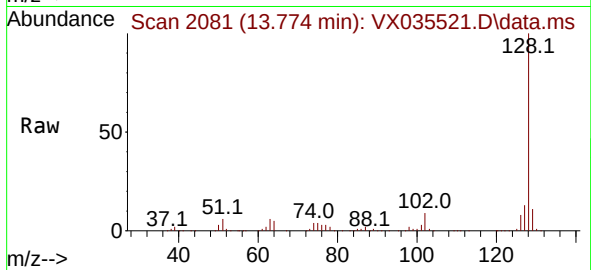
Acq: 03 May 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20230503-A



Tgt Ion:128 Resp: 363324

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.3 8.6 13.0

