

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX031011.D
 Acq On : 01 Sep 2022 05:13
 Operator : JC/MD
 Sample : N4454-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-1.5-11.5-082922

Quant Time: Sep 06 02:33:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

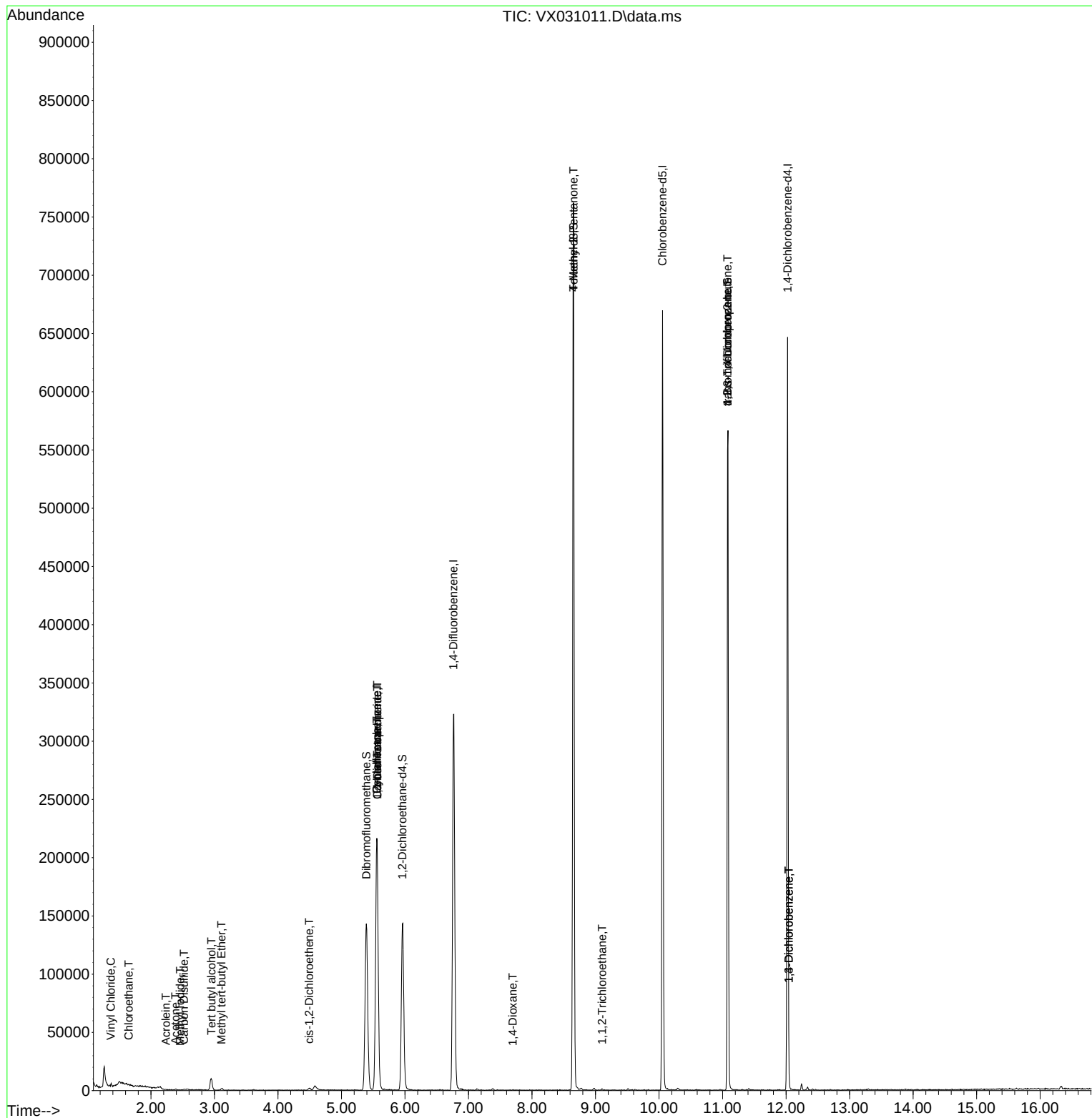
Internal Standards						
1) Pentafluorobenzene	5.556	168	216997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	358665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138865	44.617	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.240%
35) Dibromofluoromethane	5.391	113	131157	49.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	8.653	98	479103	48.932	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.079	95	162665	46.653	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.300%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.368	62	1383	0.506	ug/l #	70
5) Bromomethane	1.618	94	268	Below Cal	#	49
6) Chloroethane	1.648	64	1044	0.635	ug/l #	77
10) Methyl Iodide	2.459	142	114	4.418	ug/l #	76
11) Tert butyl alcohol	2.953	59	5825	7.900	ug/l #	74
13) Acrolein	2.233	56	48	7.398	ug/l #	1
16) Acetone	2.386	43	999	0.711	ug/l	93
17) Carbon Disulfide	2.520	76	1723	0.248	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	1728	0.201	ug/l #	84
27) cis-1,2-Dichloroethene	4.489	96	731	0.222	ug/l	60
31) Cyclohexane	5.556	56	3520	0.764	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	15319	3.898	ug/l #	49
38) Carbon Tetrachloride	5.562	117	21099	5.640	ug/l #	18
49) 1,4-Dioxane	7.696	88	89	1.055	ug/l #	49
51) 4-Methyl-2-Pentanone	8.653	43	1542	0.364	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	633	0.211	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	75295	21.936	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75295	65.219	ug/l #	12
87) 1,3-Dichlorobenzene	12.043	146	1816	0.345	ug/l #	26
88) 1,4-Dichlorobenzene	12.043	146	1816	0.336	ug/l #	27

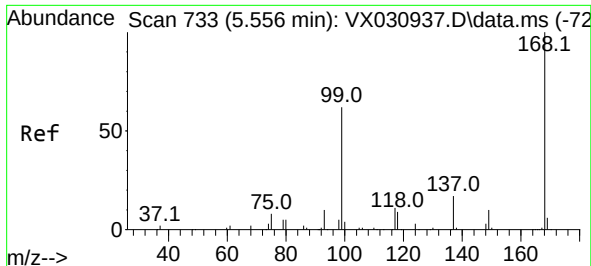
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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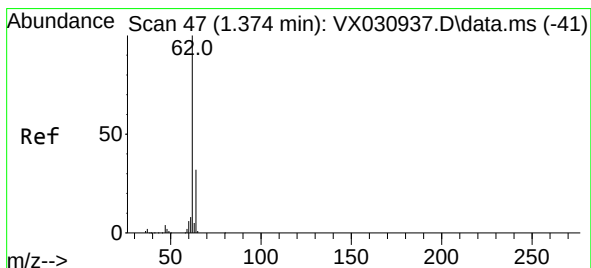
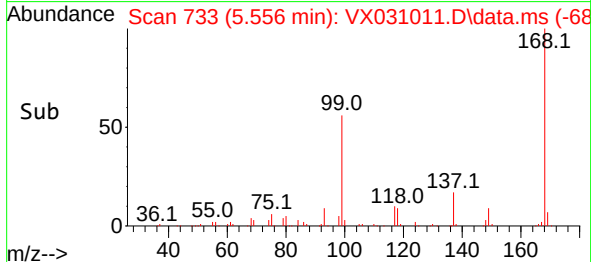
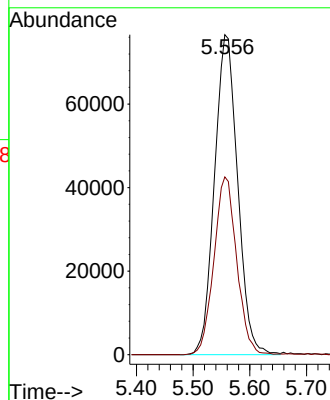
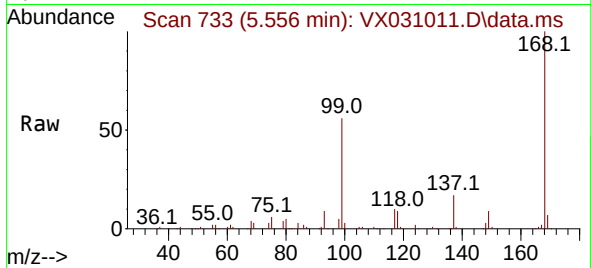




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

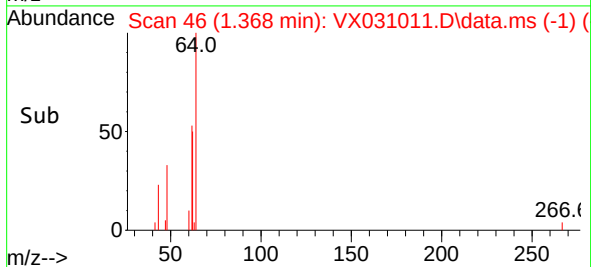
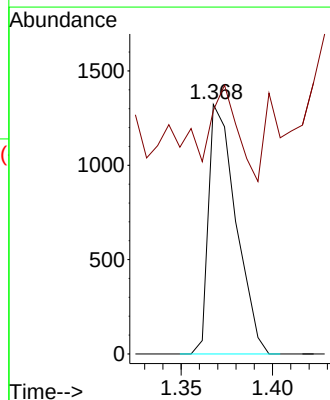
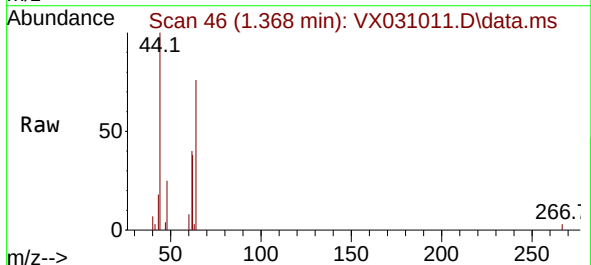
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

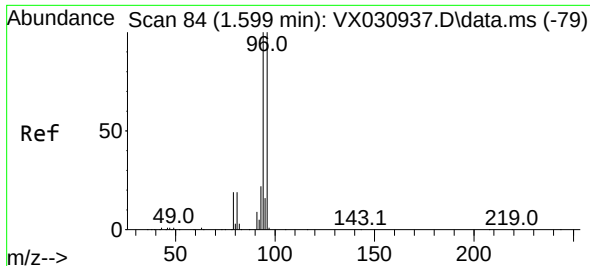
Tgt Ion:168 Resp: 216997
Ion Ratio Lower Upper
168 100
99 55.6 44.0 66.0



#4
Vinyl Chloride
Concen: 0.506 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 62 Resp: 1383
Ion Ratio Lower Upper
62 100
64 14.7 25.2 37.8#

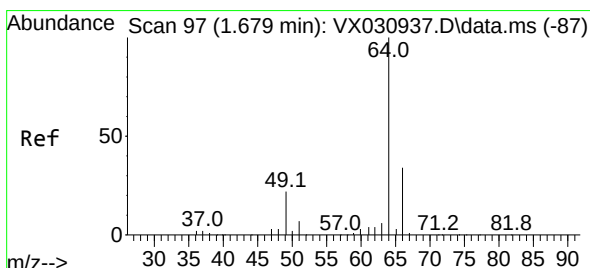
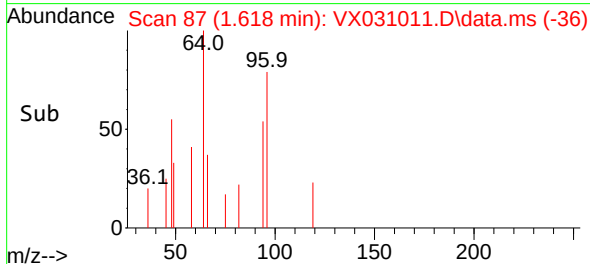
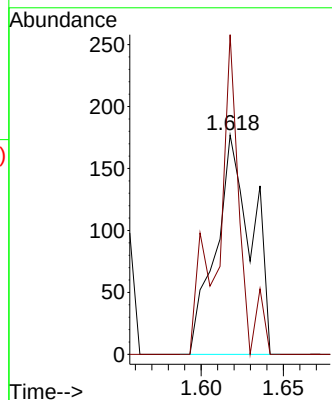
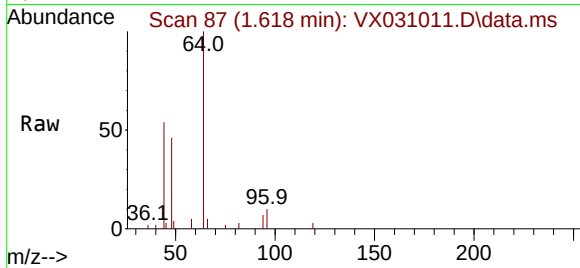




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

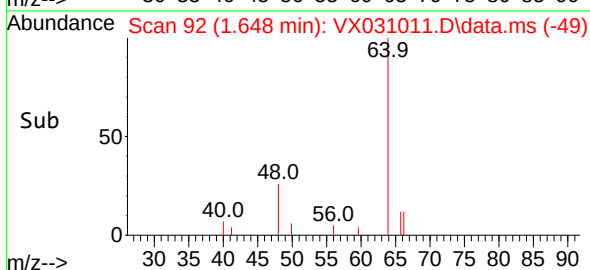
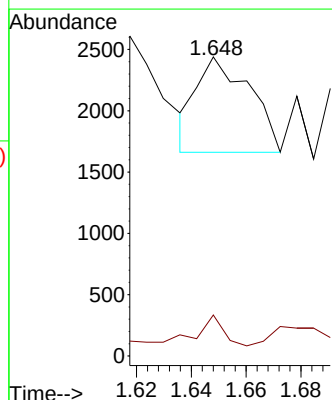
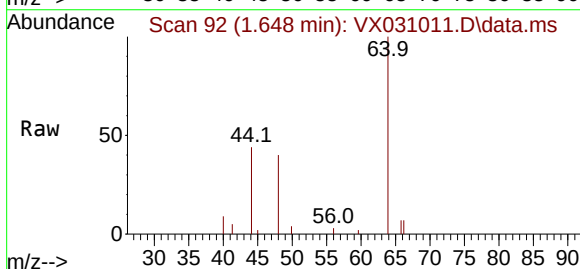
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

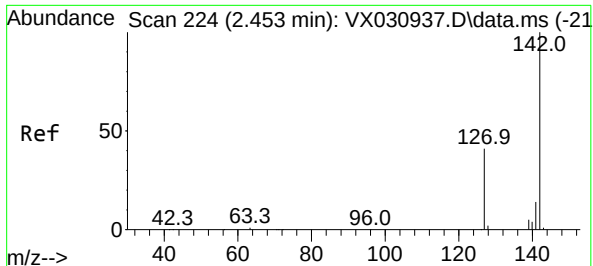
Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 145.8 76.9 115.3#



#6
Chloroethane
Concen: 0.635 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.037 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 64 Resp: 1044
Ion Ratio Lower Upper
64 100
66 21.0 27.2 40.8#

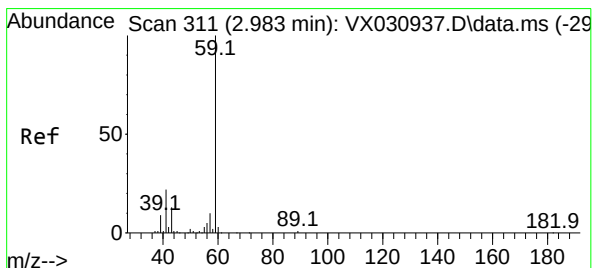
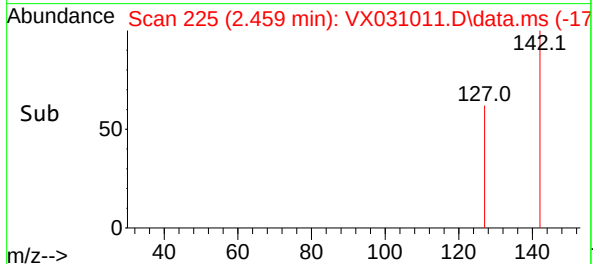
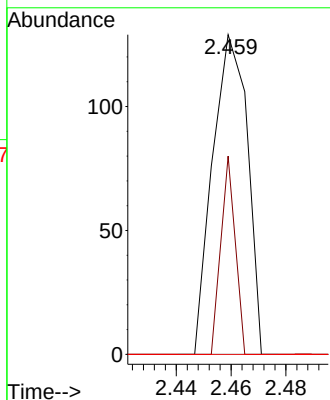
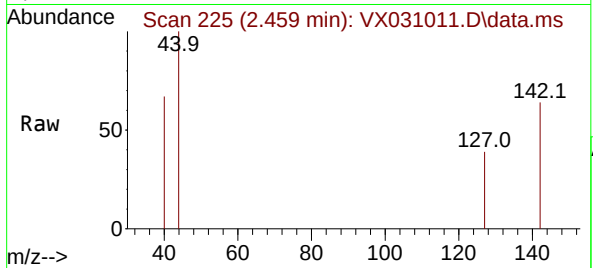




#10
Methyl Iodide
Concen: 4.418 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

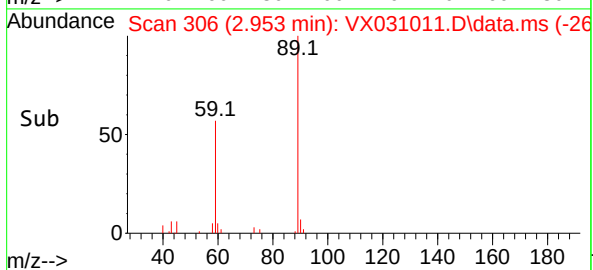
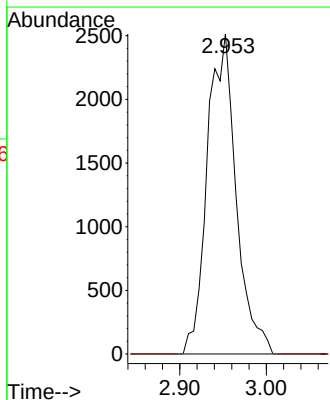
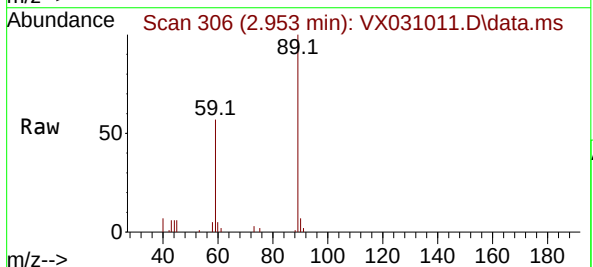
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

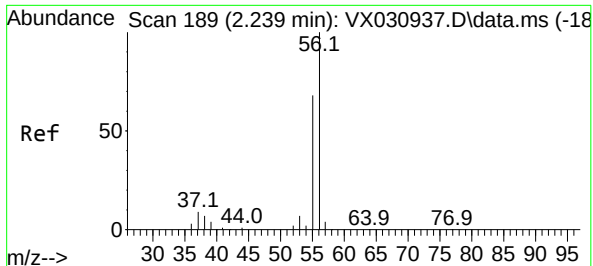
Tgt Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
127 25.4 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 7.900 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 59 Resp: 5825
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

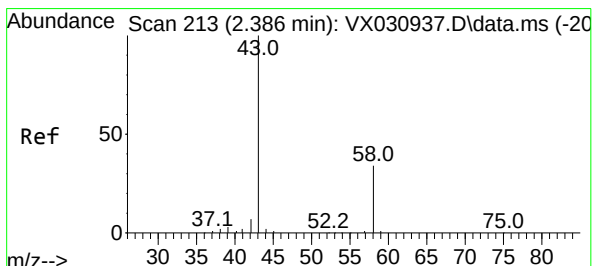
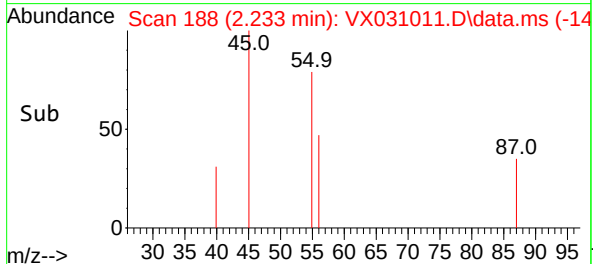
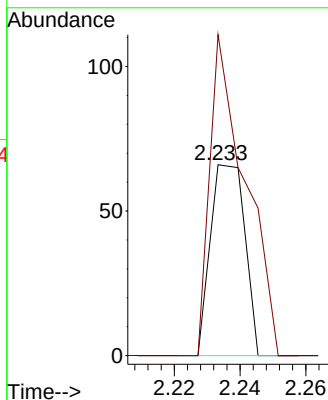
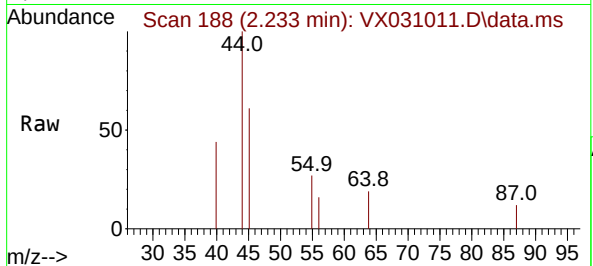




#13
Acrolein
Concen: 7.398 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

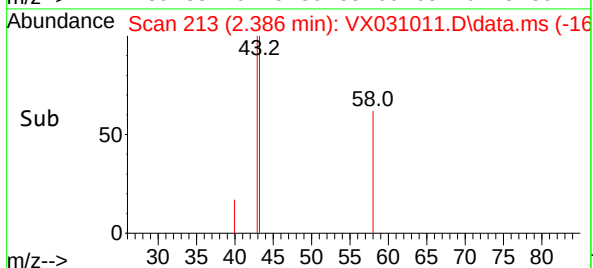
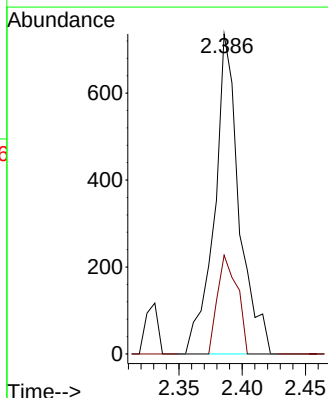
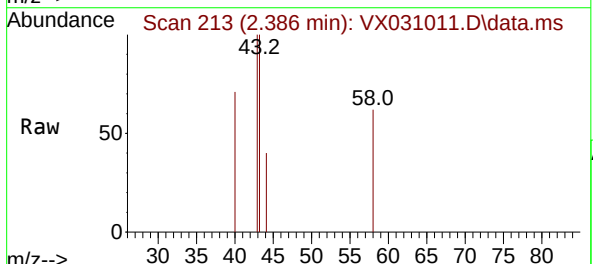
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

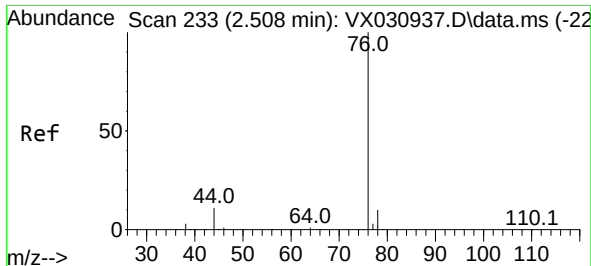
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 172.9 56.6 84.8#



#16
Acetone
Concen: 0.711 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 30.8 27.7 41.5

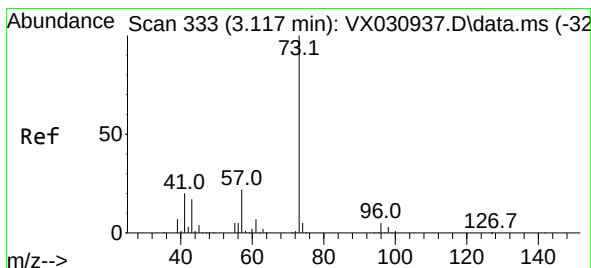
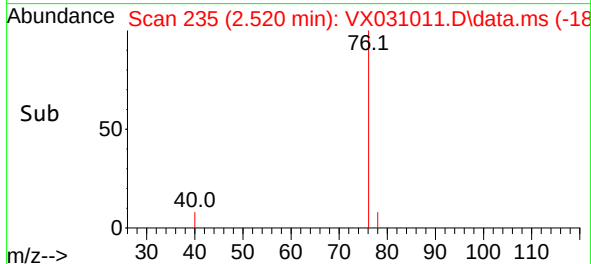
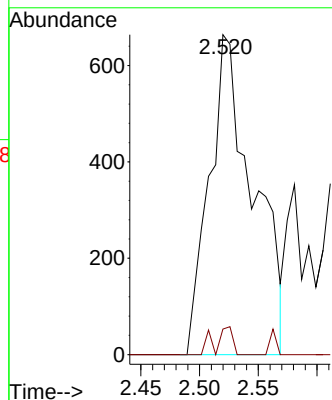
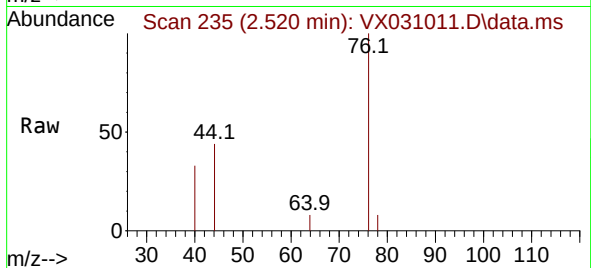




#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

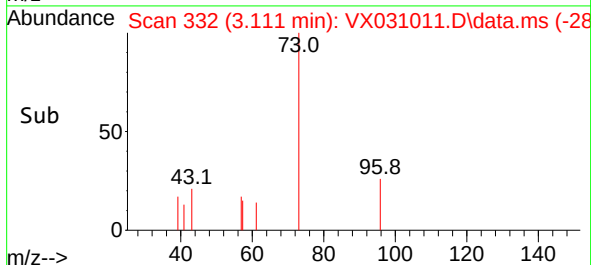
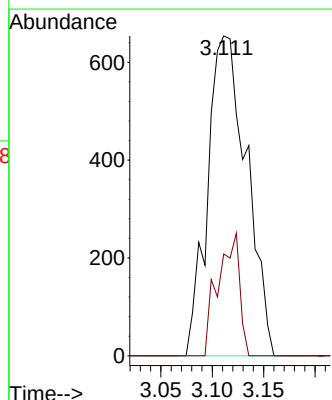
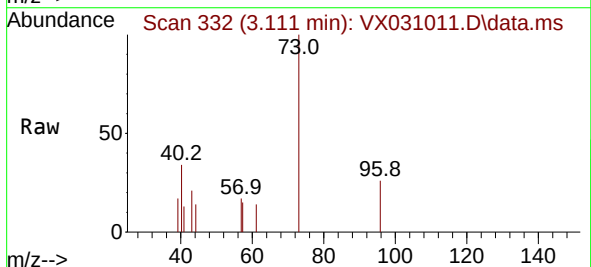
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MSVOA_X
ClientSampleId :
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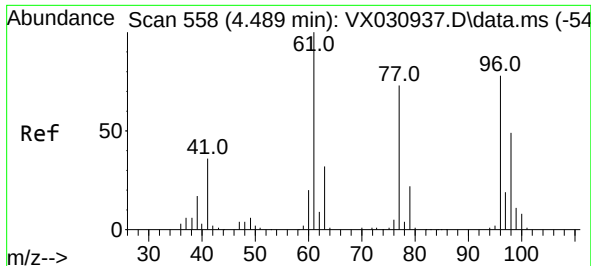
Tgt Ion: 76 Resp: 1723
Ion Ratio Lower Upper
76 100
78 8.0 7.8 11.6



#19
Methyl tert-butyl Ether
Concen: 0.201 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 73 Resp: 1728
Ion Ratio Lower Upper
73 100
57 31.8 19.0 28.6#





#27

cis-1,2-Dichloroethene

Concen: 0.222 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX031011.D

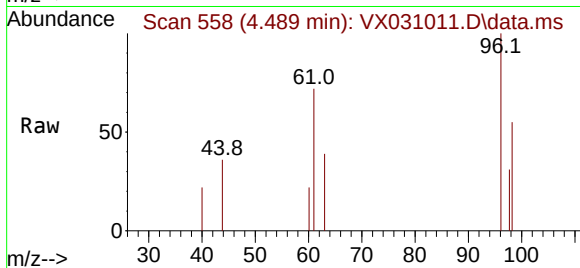
Acq: 01 Sep 2022 05:13

Instrument :

MSVOA_X

ClientSampleId :

MW-07-1.5-11.5-082922



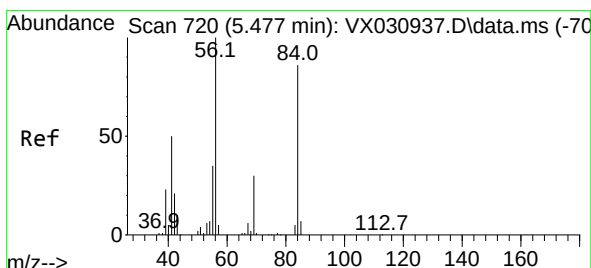
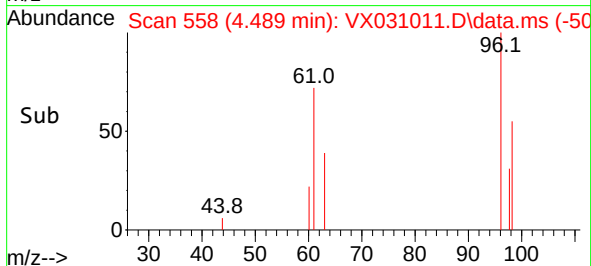
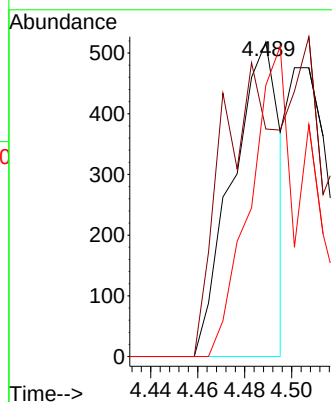
Tgt Ion: 96 Resp: 731

Ion Ratio Lower Upper

96 100

61 107.4 0.0 270.0

98 123.7 0.0 127.8



#31

Cyclohexane

Concen: 0.764 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

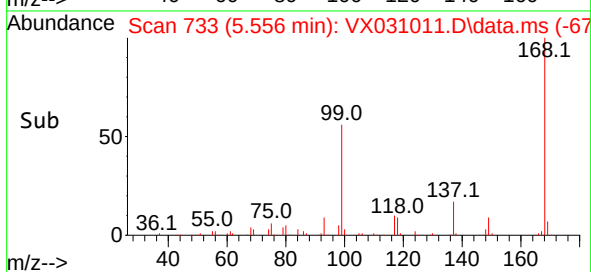
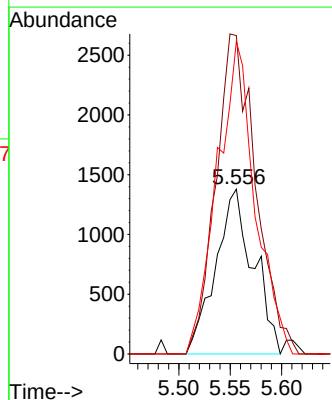
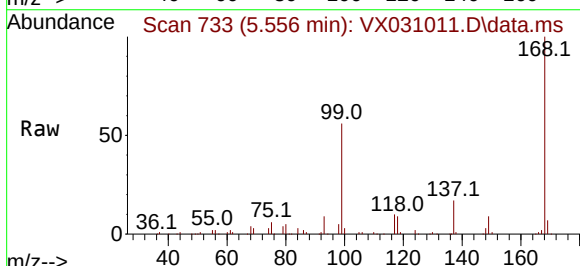
Tgt Ion: 56 Resp: 3520

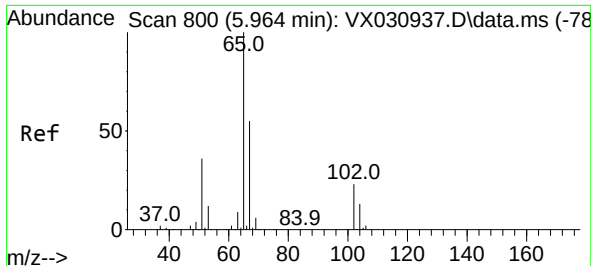
Ion Ratio Lower Upper

56 100

69 193.1 25.4 38.0#

84 189.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 44.617 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

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MSVOA_X

ClientSampleId :

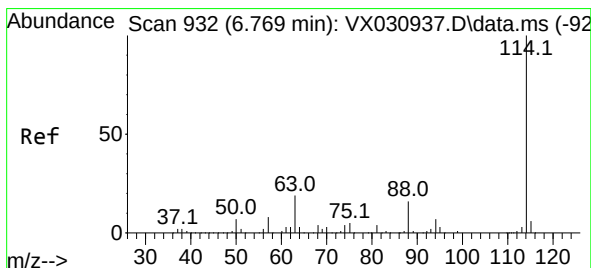
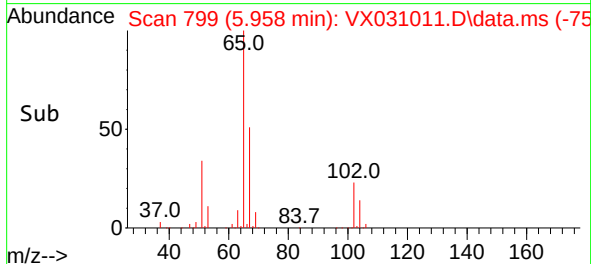
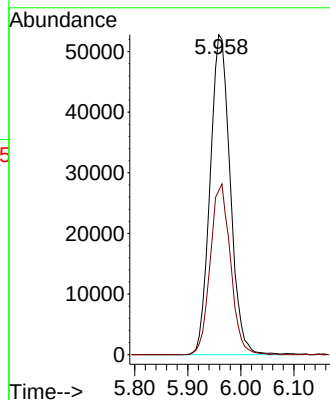
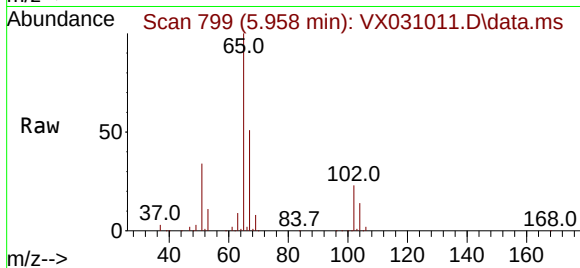
MW-07-1.5-11.5-082922

Tgt Ion: 65 Resp: 138865

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

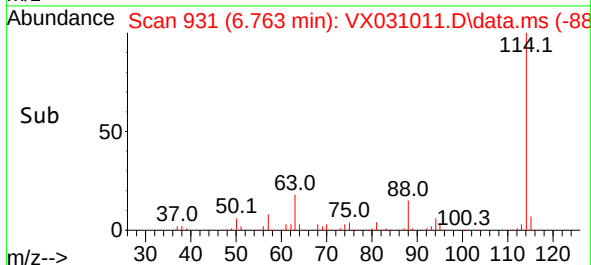
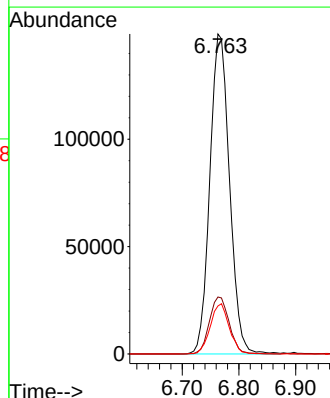
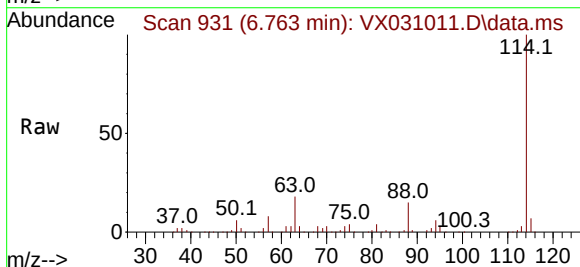
Tgt Ion: 114 Resp: 358665

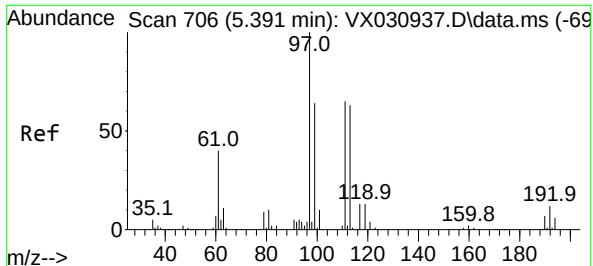
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.608 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX031011.D

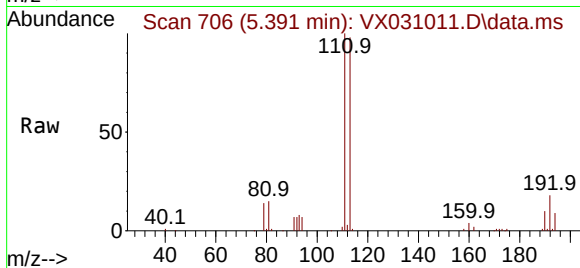
Acq: 01 Sep 2022 05:13

Instrument :

MSVOA_X

ClientSampleId :

MW-07-1.5-11.5-082922



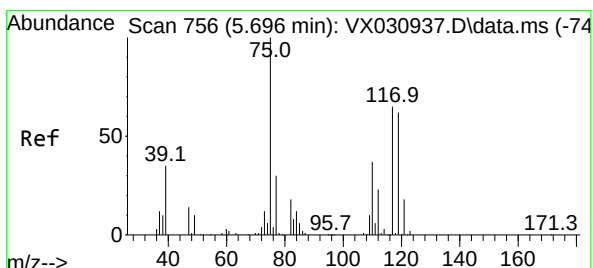
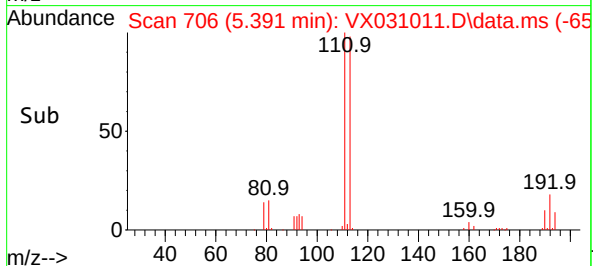
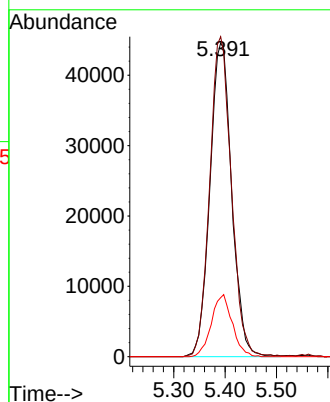
Tgt Ion:113 Resp: 131157

Ion Ratio Lower Upper

113 100

111 101.5 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.898 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

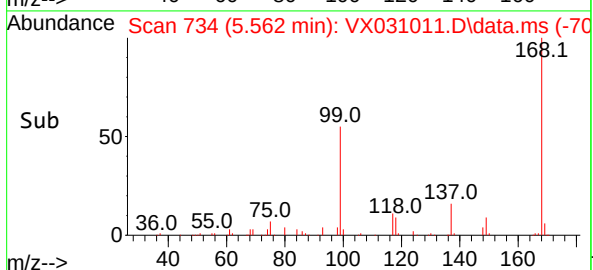
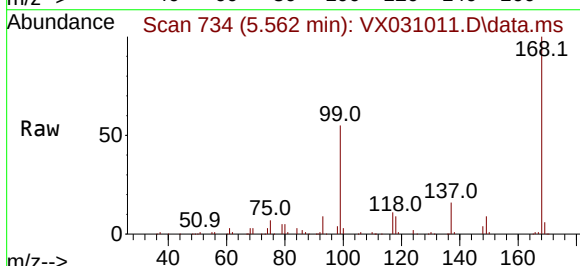
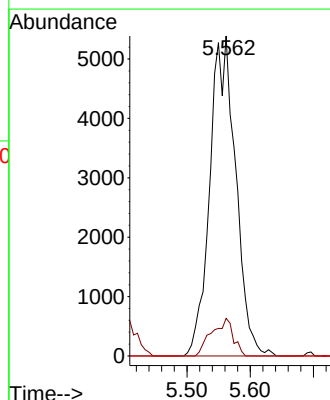
Tgt Ion: 75 Resp: 15319

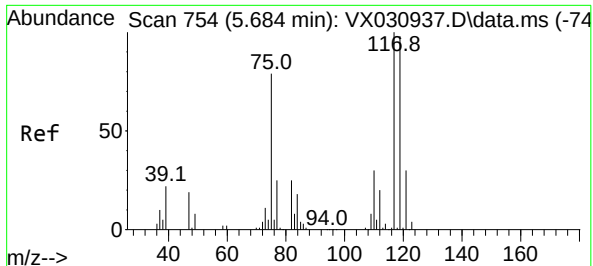
Ion Ratio Lower Upper

75 100

110 9.7 19.3 57.9#

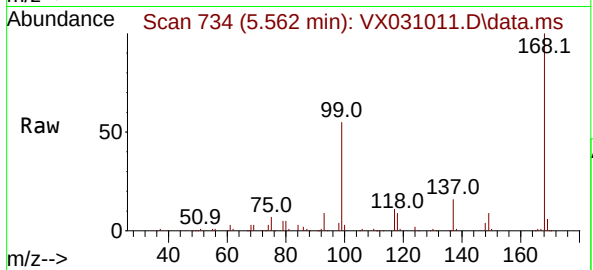
77 0.0 24.4 36.6#



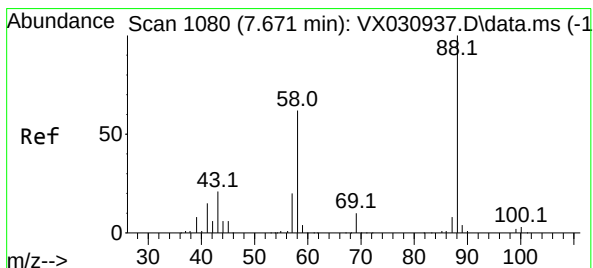
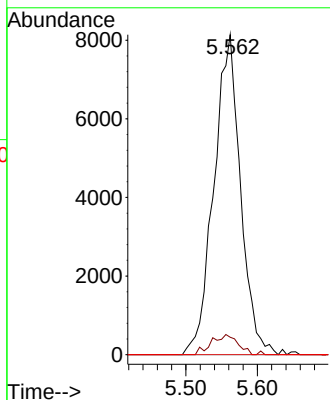
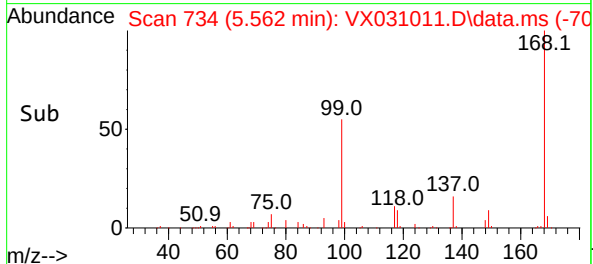


#38
Carbon Tetrachloride
Concen: 5.640 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

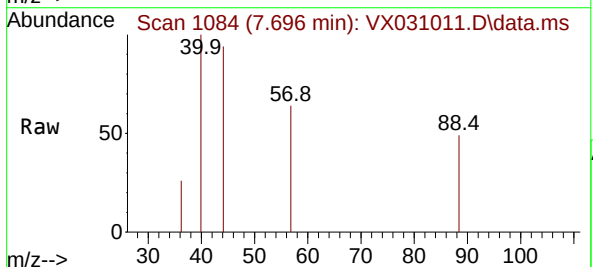
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922



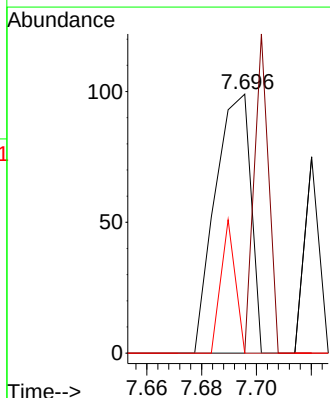
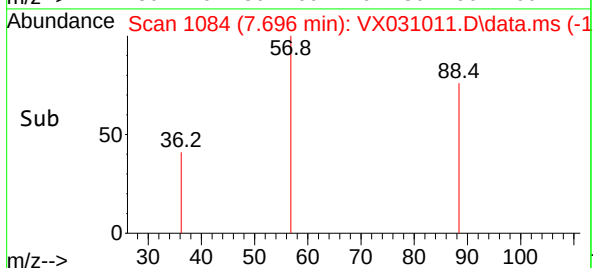
Tgt Ion: 117 Resp: 21099
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#

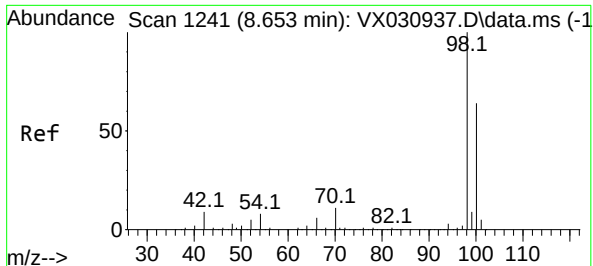


#49
1,4-Dioxane
Concen: 1.055 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.019 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13



Tgt Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 50.6 23.8 35.8#
58 21.3 53.8 80.6#

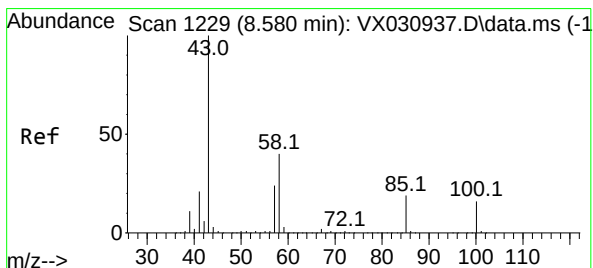
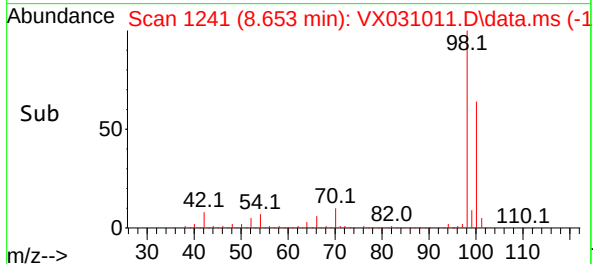
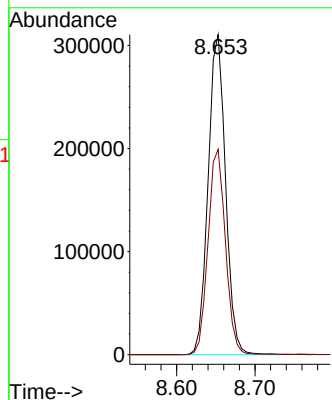
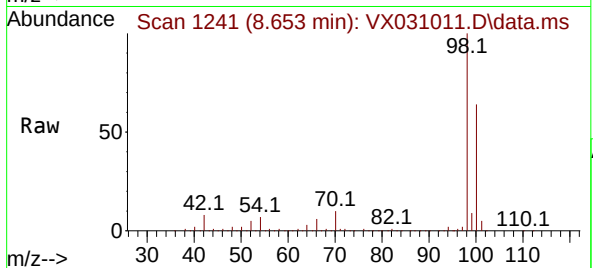




#50
Toluene-d8
Concen: 48.932 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

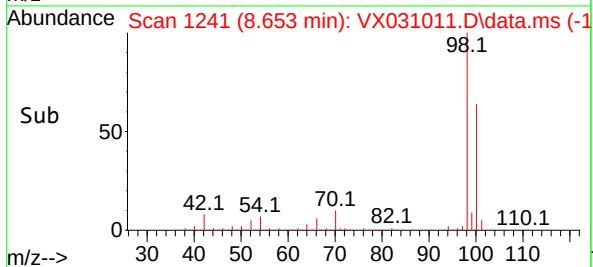
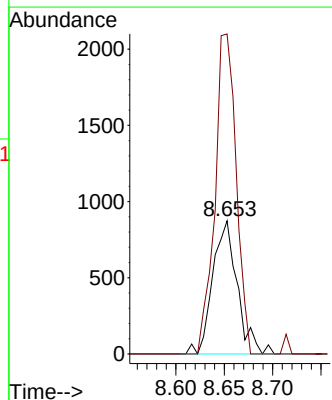
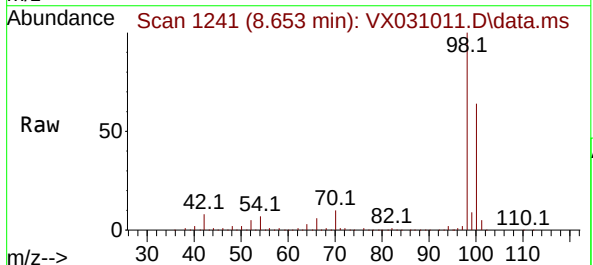
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

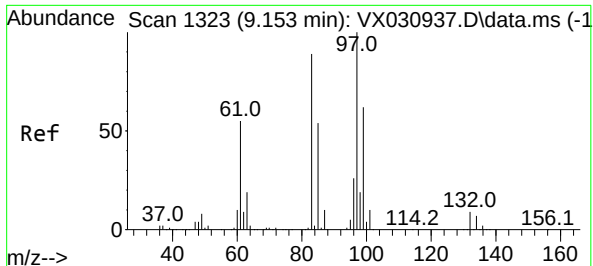
Tgt Ion: 98 Resp: 479103
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.364 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 208.5 31.4 47.2#

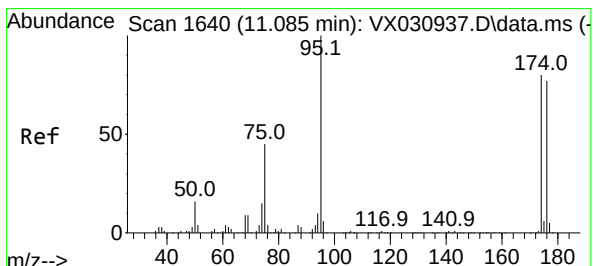
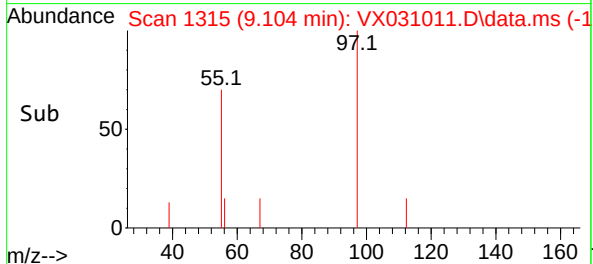
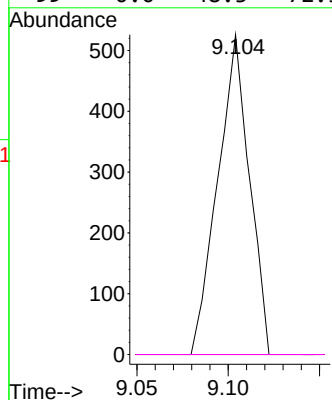
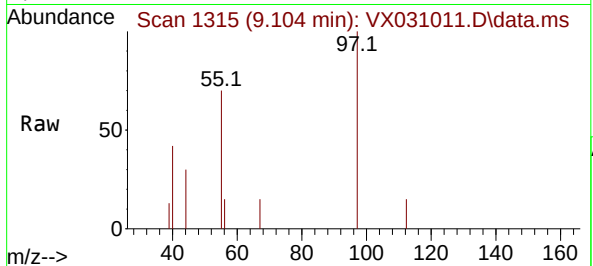




#55
 1,1,2-Trichloroethane
 Concen: 0.211 ug/l
 RT: 9.104 min Scan# 11
 Delta R.T. -0.049 min
 Lab File: VX031011.D
 Acq: 01 Sep 2022 05:13

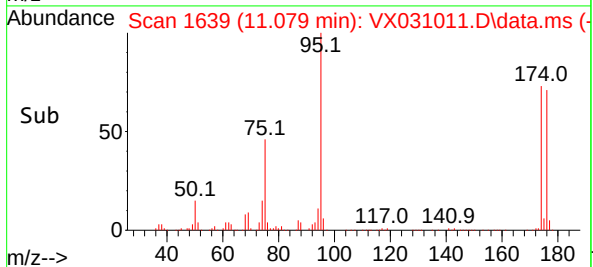
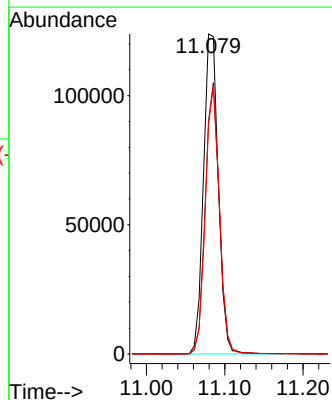
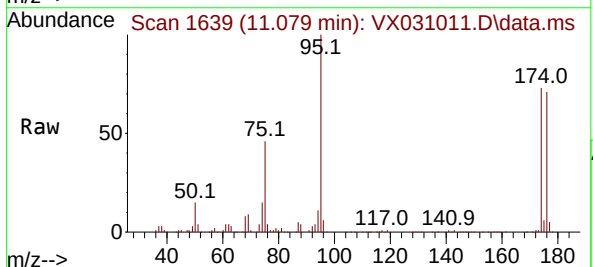
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-07-1.5-11.5-082922

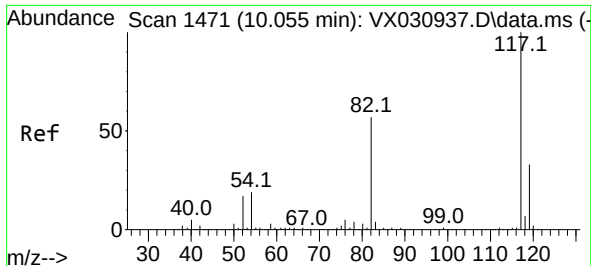
Tgt Ion: 97	Resp: 633
Ion Ratio	Lower Upper
97 100	
83 0.0	68.9 103.3#
85 0.0	44.0 66.0#
99 0.0	48.3 72.5#



#62
 4-Bromofluorobenzene
 Concen: 46.653 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.006 min
 Lab File: VX031011.D
 Acq: 01 Sep 2022 05:13

Tgt Ion: 95	Resp: 162665
Ion Ratio	Lower Upper
95 100	
174 80.6	0.0 149.0
176 79.3	0.0 146.0

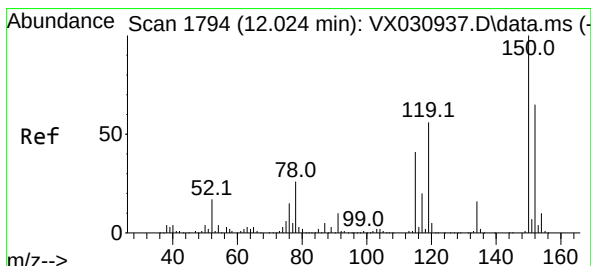
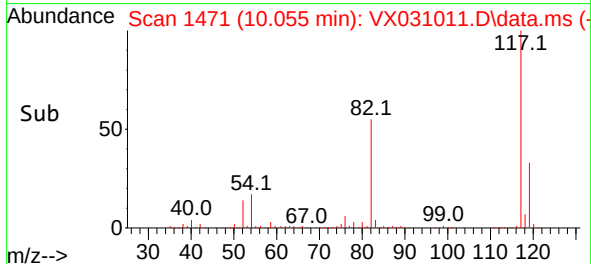
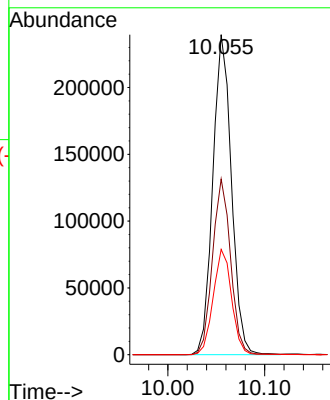
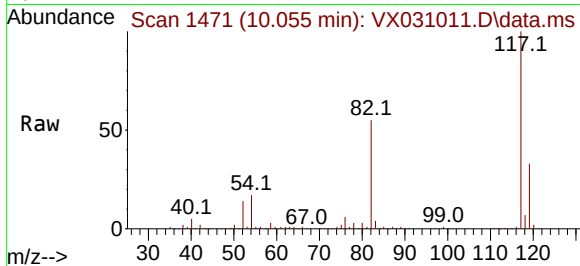




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

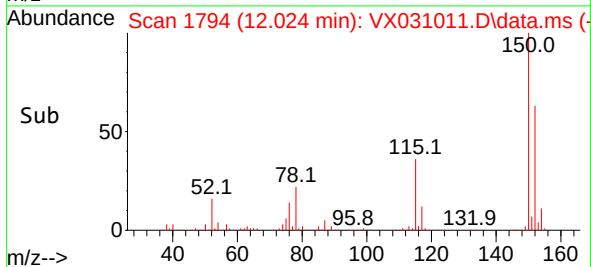
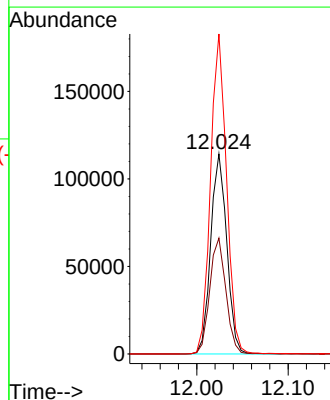
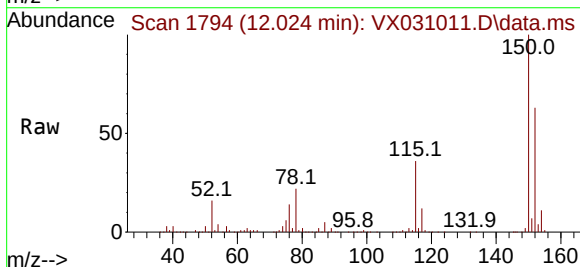
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

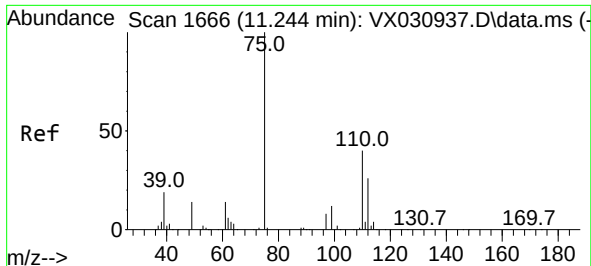
Tgt Ion:117 Resp: 319776
Ion Ratio Lower Upper
117 100
82 54.9 42.7 64.1
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion:152 Resp: 139424
Ion Ratio Lower Upper
152 100
115 58.4 40.5 121.5
150 159.0 0.0 347.0

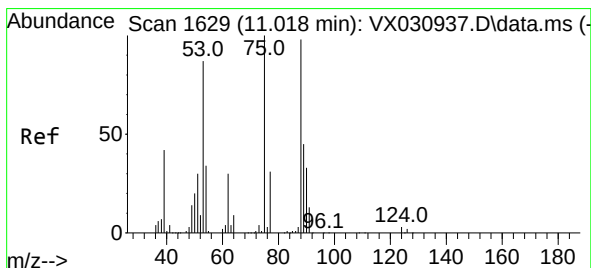
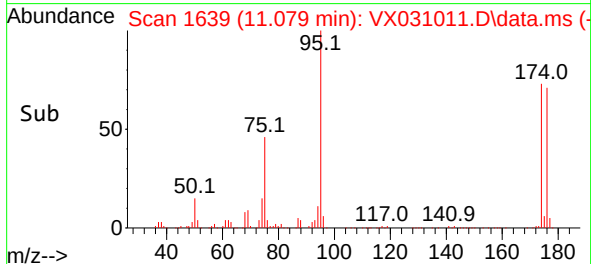
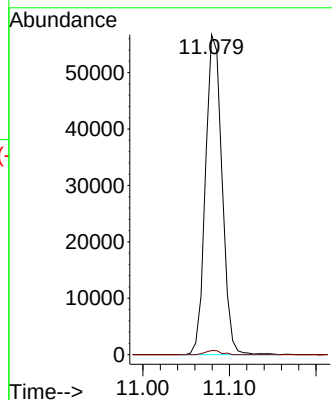
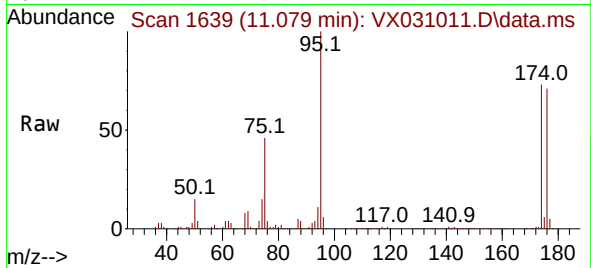




#76
1,2,3-Trichloropropane
Concen: 21.936 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

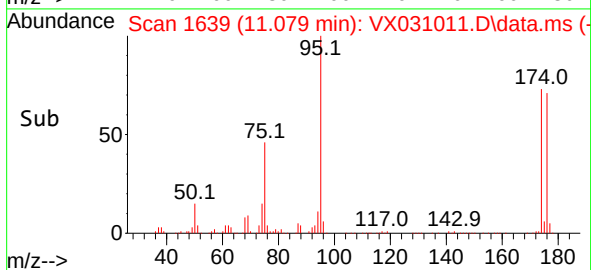
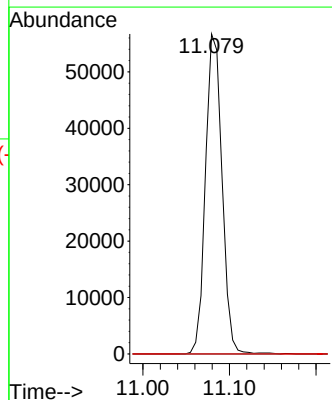
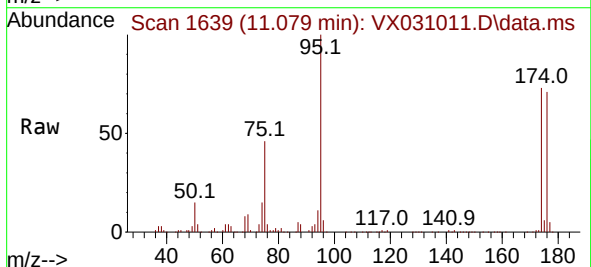
Instrument :
MSVOA_X
ClientSampleId :
MW-07-1.5-11.5-082922

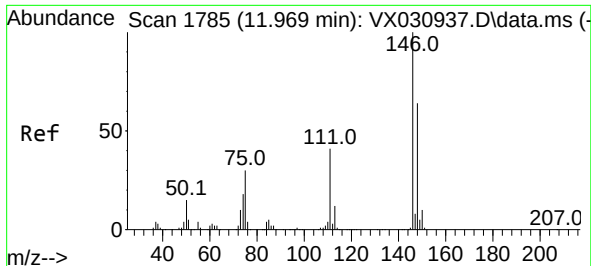
Tgt Ion: 75 Resp: 75295
Ion Ratio Lower Upper
75 100
77 1.3 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.219 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031011.D
Acq: 01 Sep 2022 05:13

Tgt Ion: 75 Resp: 75295
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#87

1,3-Dichlorobenzene

Concen: 0.345 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.074 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

Instrument :

MSVOA_X

ClientSampleId :

MW-07-1.5-11.5-082922

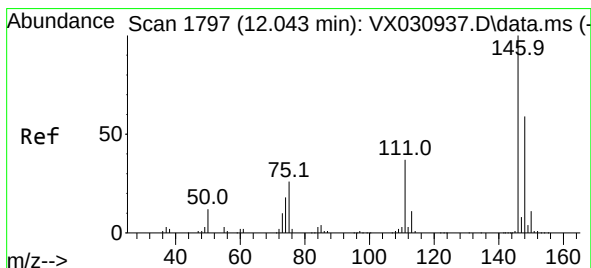
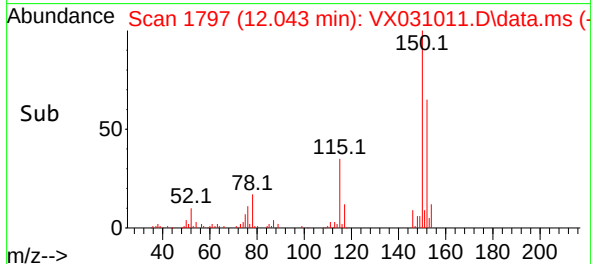
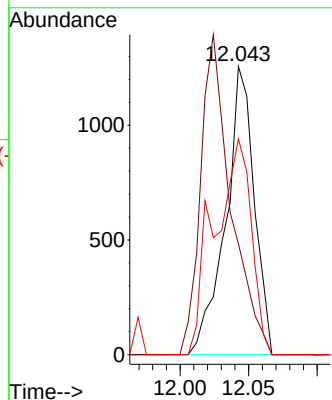
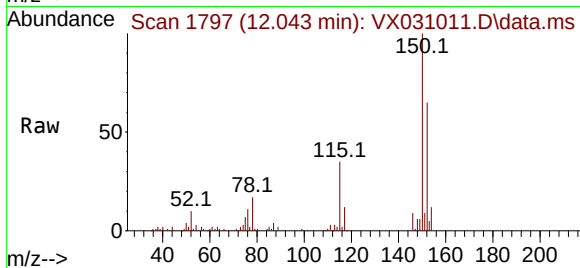
Tgt Ion:146 Resp: 1816

Ion Ratio Lower Upper

146 100

111 117.3 20.3 60.8#

148 96.9 31.8 95.3#



#88

1,4-Dichlorobenzene

Concen: 0.336 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX031011.D

Acq: 01 Sep 2022 05:13

Tgt Ion:146 Resp: 1816

Ion Ratio Lower Upper

146 100

111 117.3 20.3 60.9#

148 96.9 32.3 96.8#

