

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030974.D
 Acq On : 31 Aug 2022 13:36
 Operator : JC/MD
 Sample : N4381-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Quant Time: Sep 06 02:16:24 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)

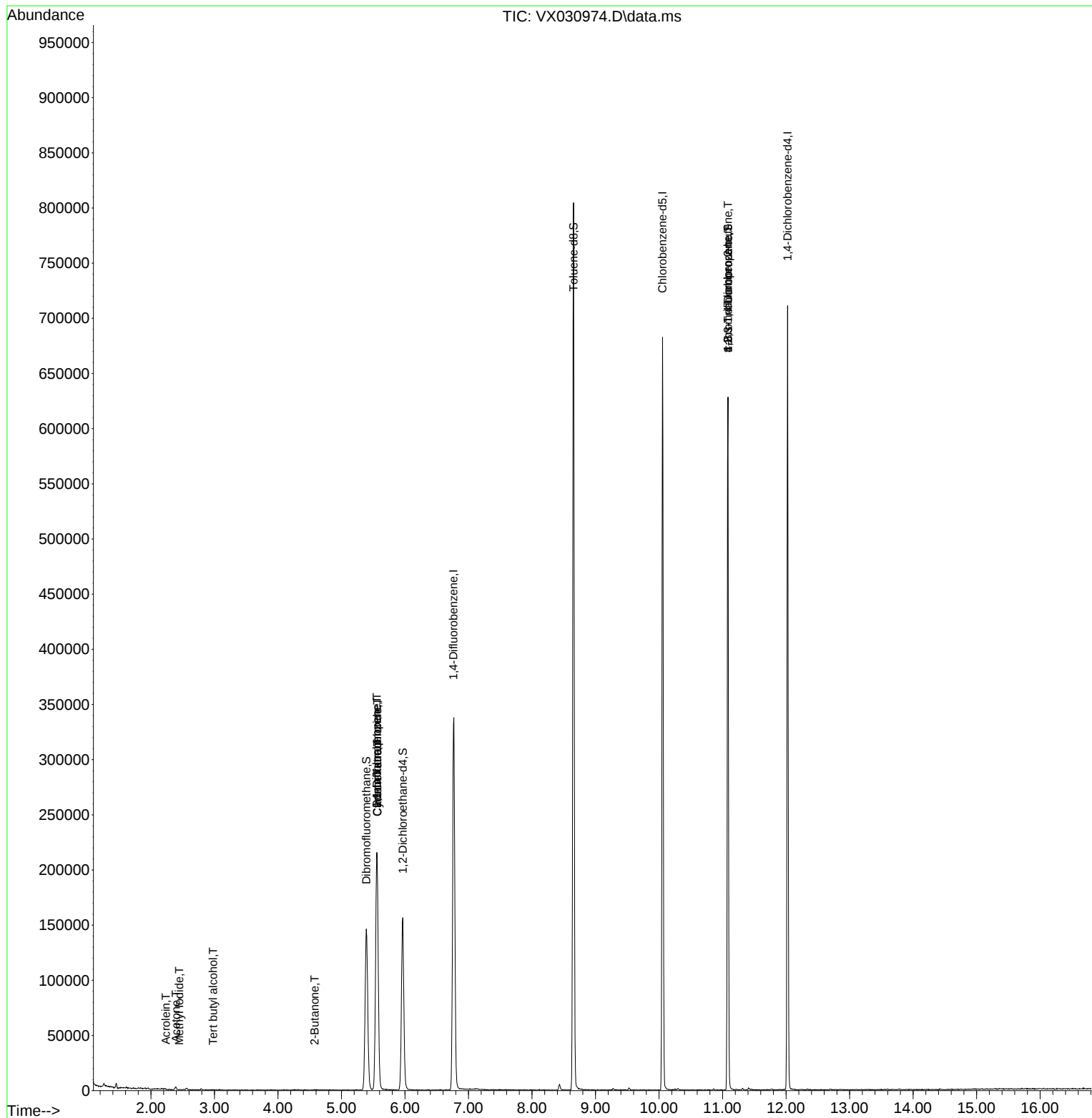
Internal Standards						
1) Pentafluorobenzene	5.556	168	215415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	368285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	145540	47.105	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.220%
35) Dibromofluoromethane	5.391	113	133403	49.139	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	8.653	98	496063	49.340	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.680%
62) 4-Bromofluorobenzene	11.085	95	168391	47.033	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.060%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	491	Below Cal	#	52
10) Methyl Iodide	2.447	142	523	4.570	ug/l #	81
11) Tert butyl alcohol	2.977	59	345	0.471	ug/l #	74
13) Acrolein	2.233	56	124	7.598	ug/l #	14
16) Acetone	2.392	43	2706	1.941	ug/l #	84
25) 2-Butanone	4.574	43	666	0.295	ug/l #	48
31) Cyclohexane	5.562	56	3767	0.824	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15739	3.901	ug/l #	49
38) Carbon Tetrachloride	5.562	117	20993	5.465	ug/l #	18
76) 1,2,3-Trichloropropane	11.085	75	79999	21.150	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	79999	62.881	ug/l #	13

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

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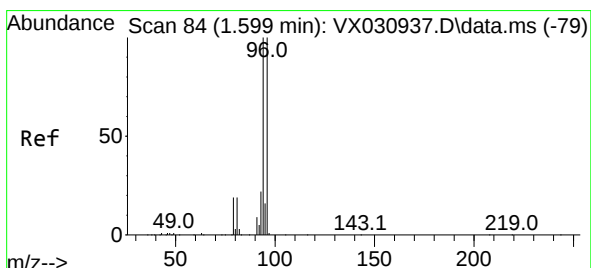
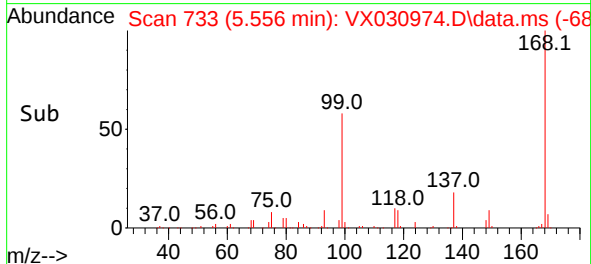
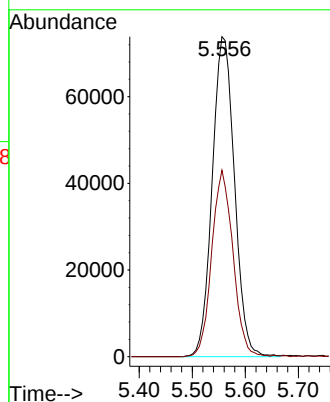
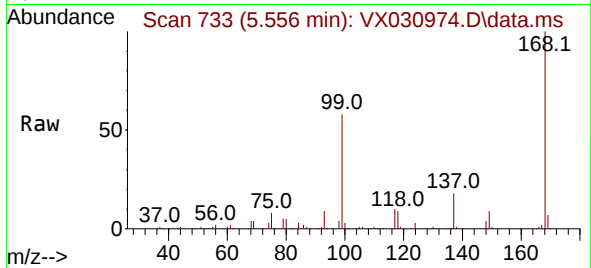




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

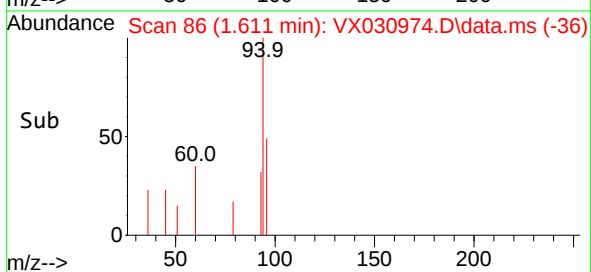
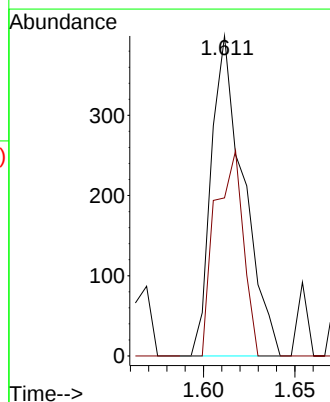
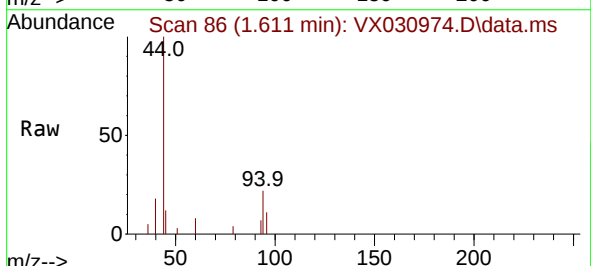
Instrument :
MSVOA_X
ClientSampleId :
MW-37

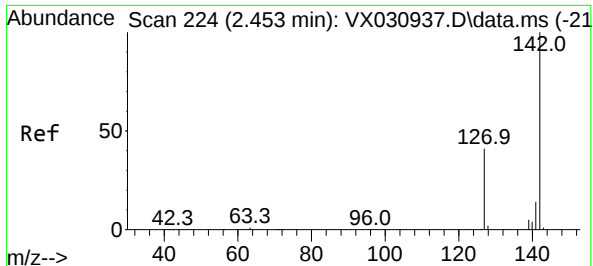
Tgt Ion:168 Resp: 215415
Ion Ratio Lower Upper
168 100
99 58.3 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 49.4 76.9 115.3#

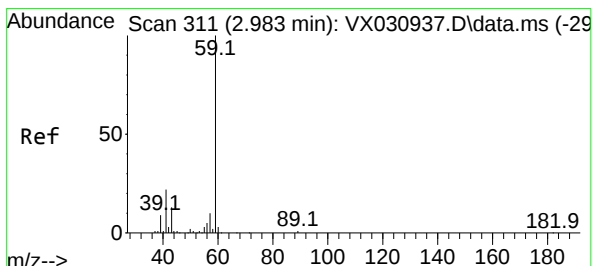
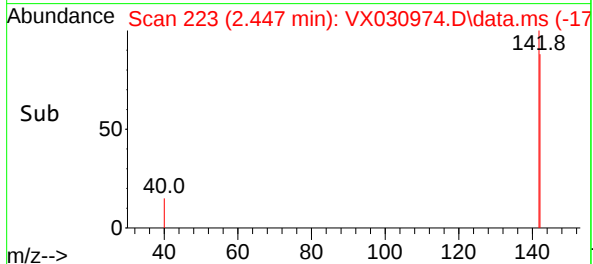
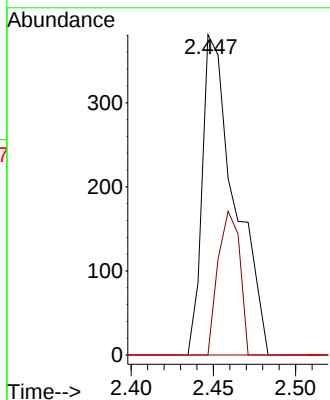
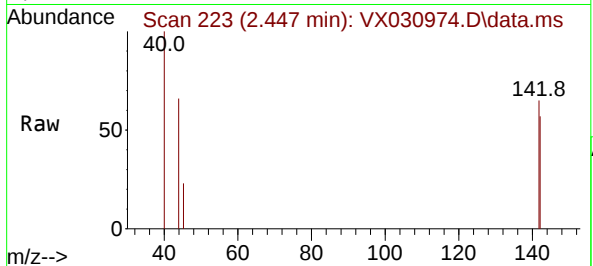




#10
Methyl Iodide
Concen: 4.570 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

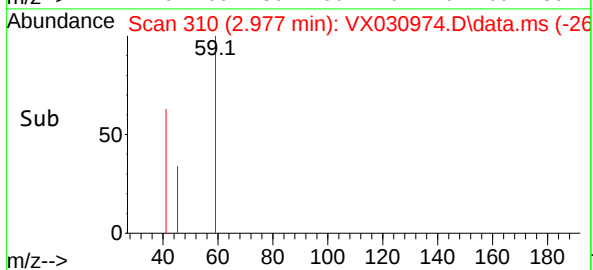
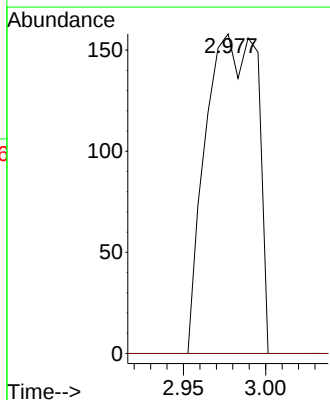
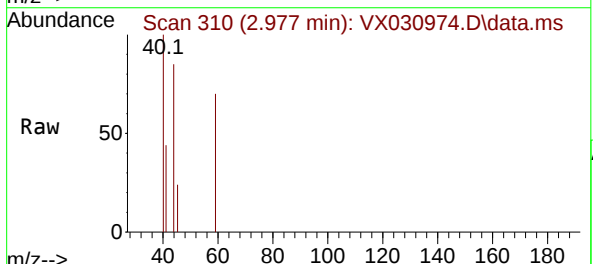
Instrument :
MSVOA_X
ClientSampleId :
MW-37

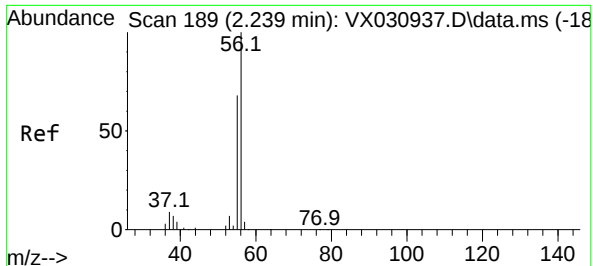
Tgt Ion:142 Resp: 523
Ion Ratio Lower Upper
142 100
127 30.0 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.471 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

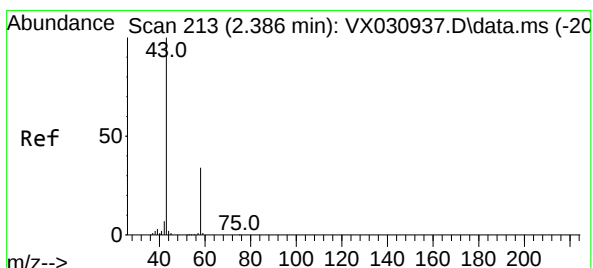
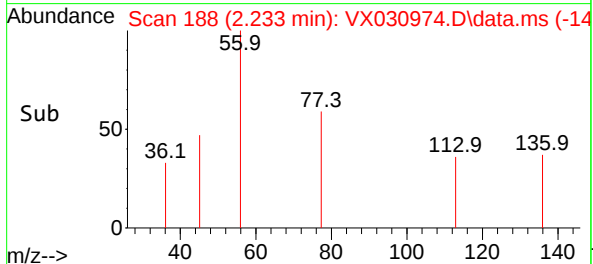
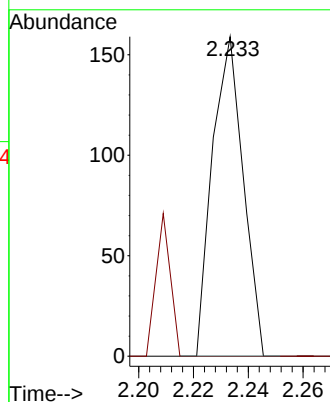
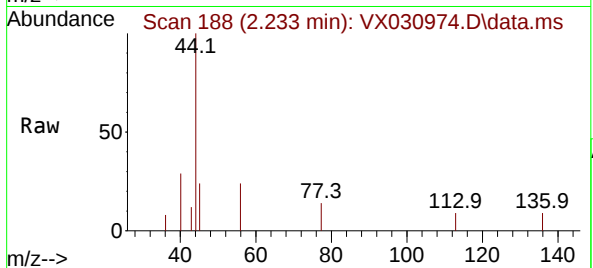




#13
Acrolein
Concen: 7.598 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

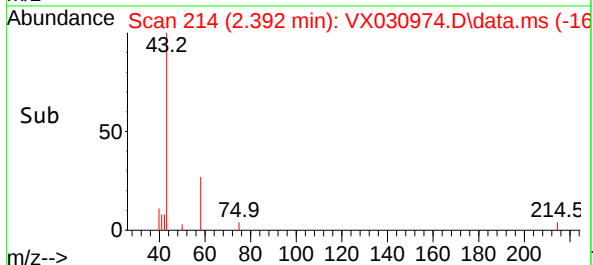
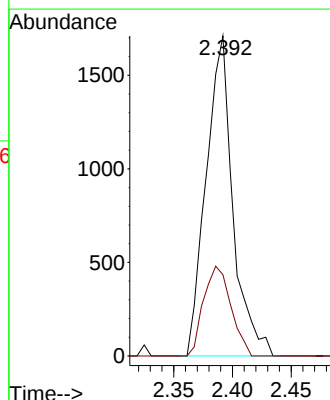
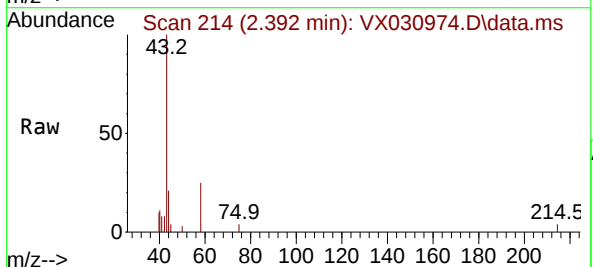
Instrument :
MSVOA_X
ClientSampleId :
MW-37

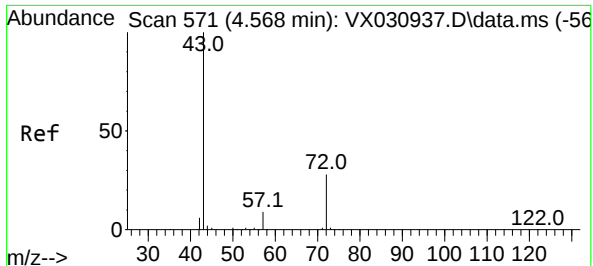
Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#16
Acetone
Concen: 1.941 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

Tgt Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
58 25.4 27.7 41.5#





#25

2-Butanone

Concen: 0.295 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

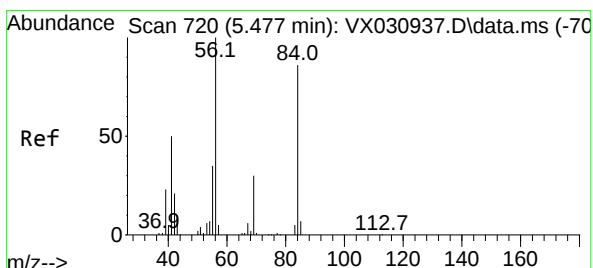
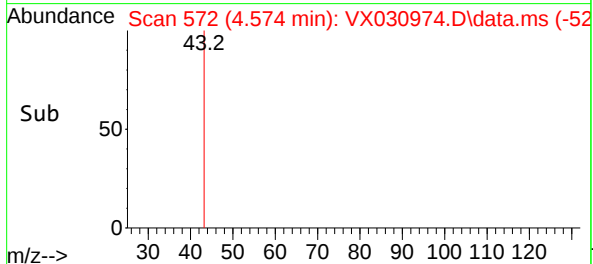
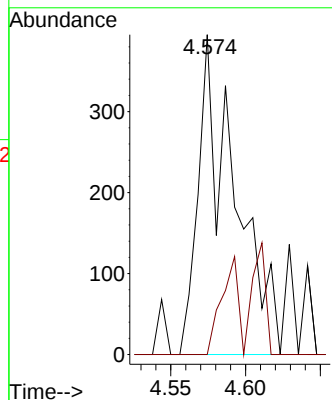
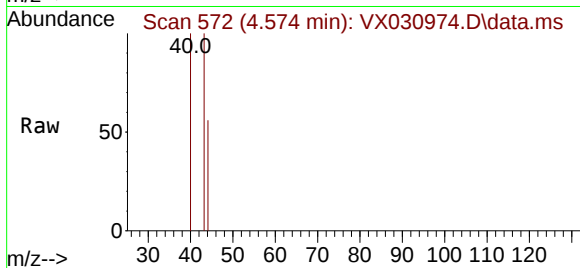
MW-37

Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 0.824 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

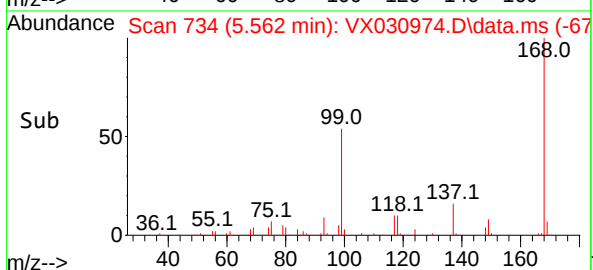
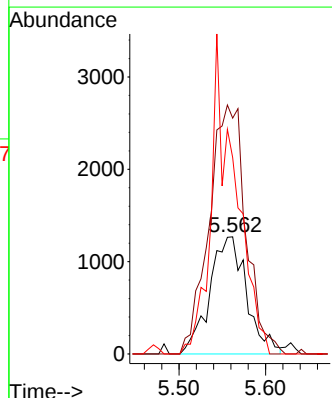
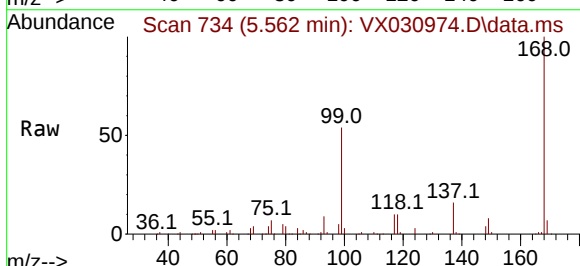
Tgt Ion: 56 Resp: 3767

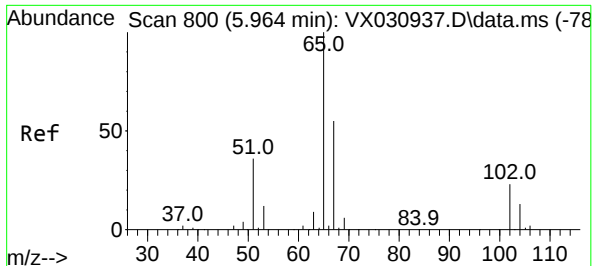
Ion Ratio Lower Upper

56 100

69 201.4 25.4 38.0#

84 180.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.105 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

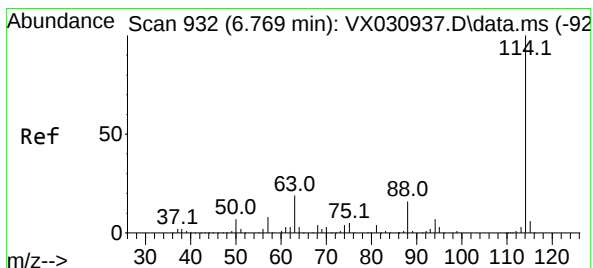
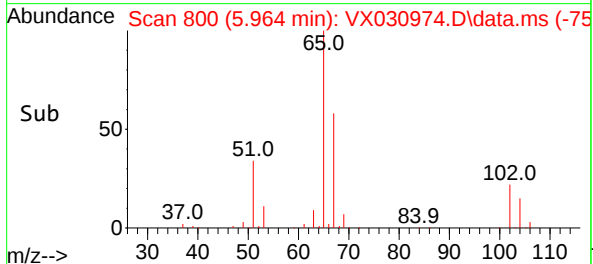
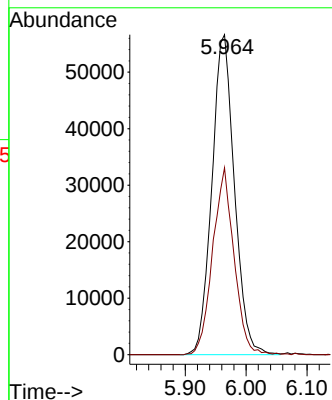
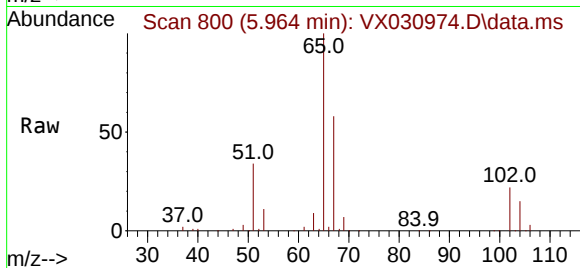
MW-37

Tgt Ion: 65 Resp: 145540

Ion Ratio Lower Upper

65 100

67 55.3 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: VX030974.D

Acq: 31 Aug 2022 13:36

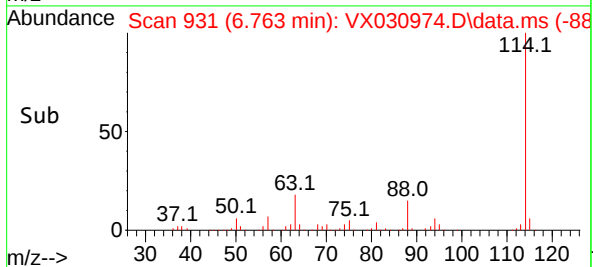
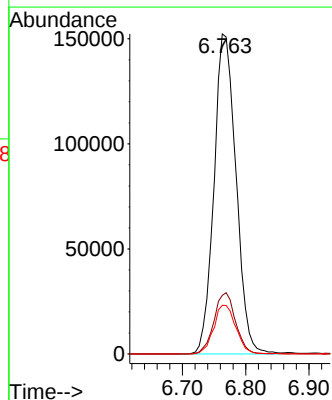
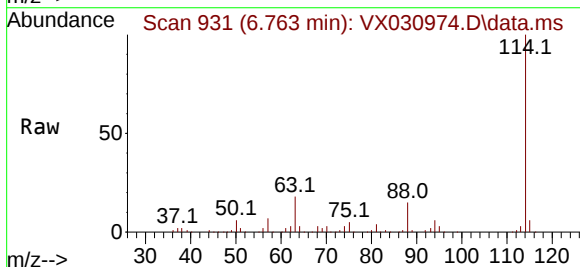
Tgt Ion: 114 Resp: 368285

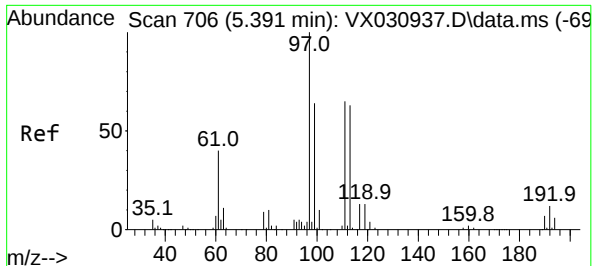
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

MW-37

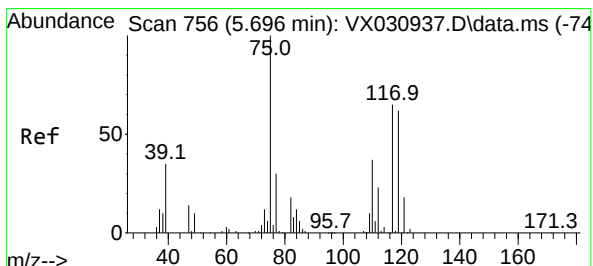
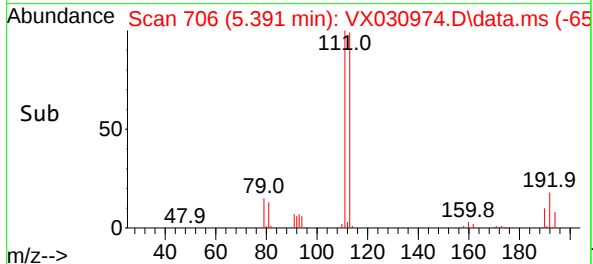
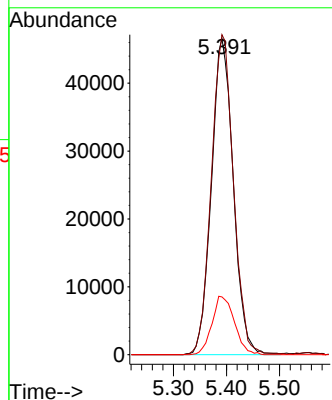
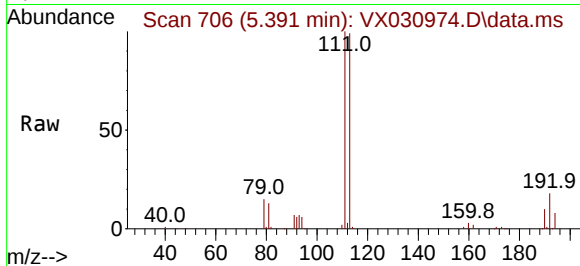
Tgt Ion:113 Resp: 133403

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.901 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

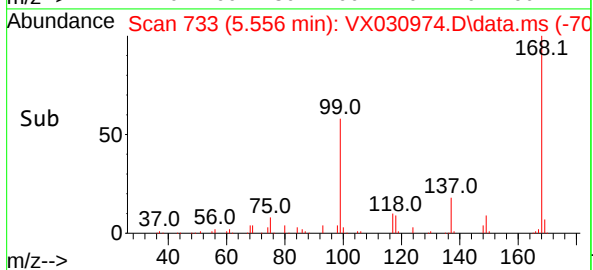
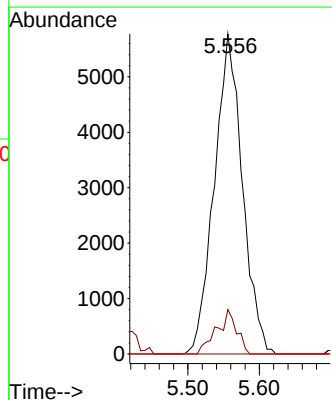
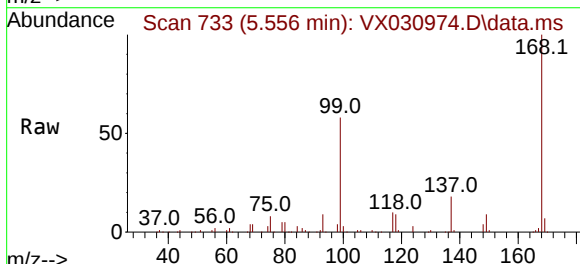
Tgt Ion: 75 Resp: 15739

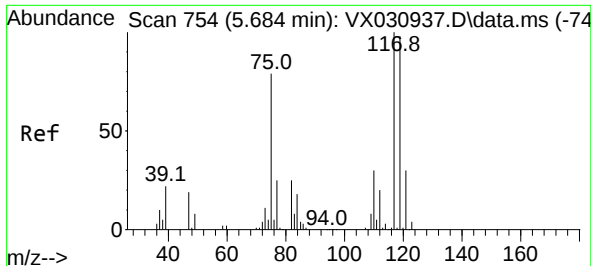
Ion Ratio Lower Upper

75 100

110 9.9 19.3 57.9#

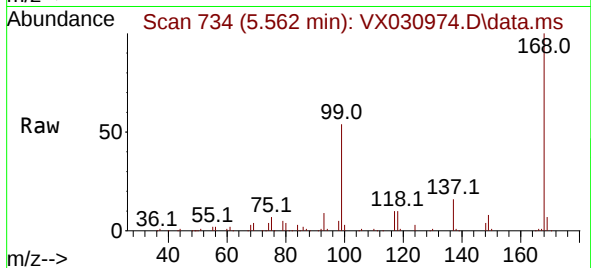
77 0.0 24.4 36.6#



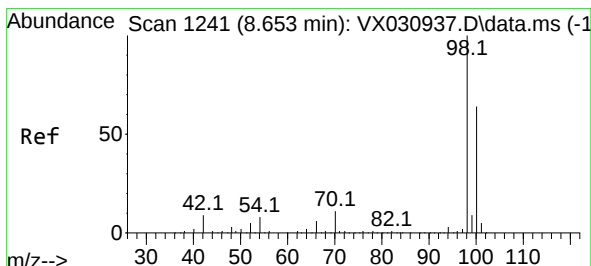
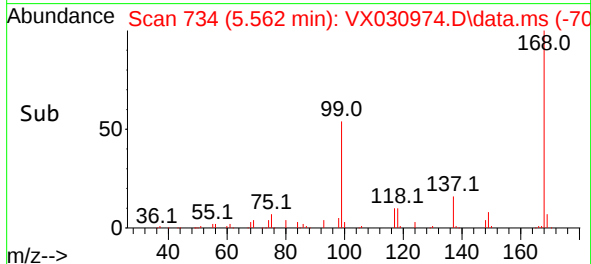
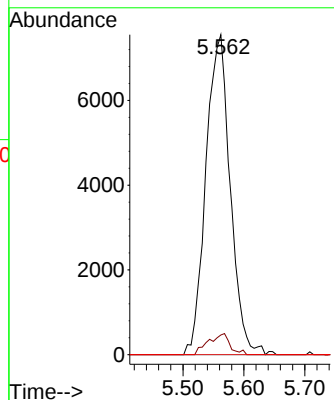


#38
Carbon Tetrachloride
Concen: 5.465 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW-37

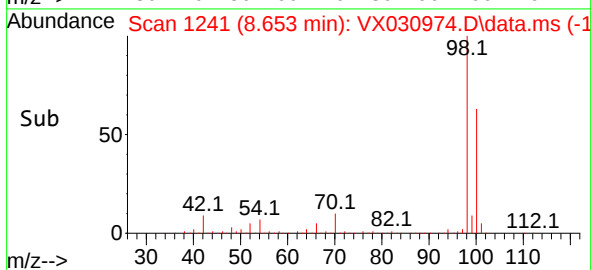
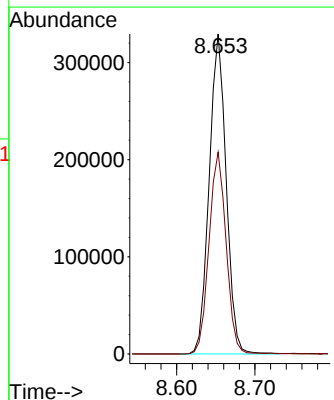
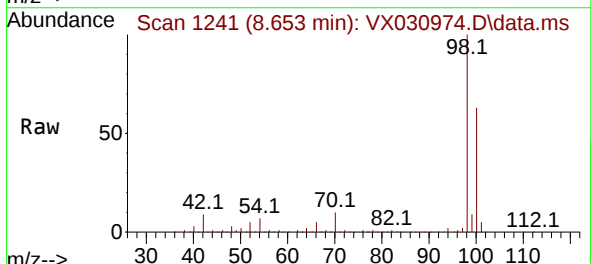


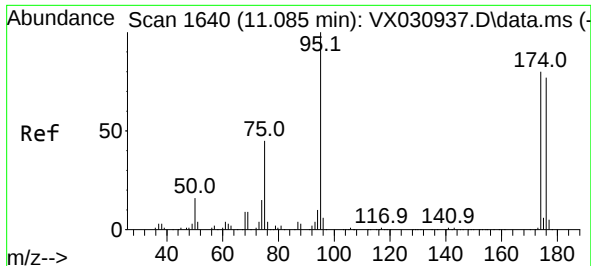
Tgt Ion:117 Resp: 20993
Ion Ratio Lower Upper
117 100
119 6.1 74.1 111.1#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 49.340 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX030974.D
Acq: 31 Aug 2022 13:36

Tgt Ion: 98 Resp: 496063
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 47.033 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

MW-37

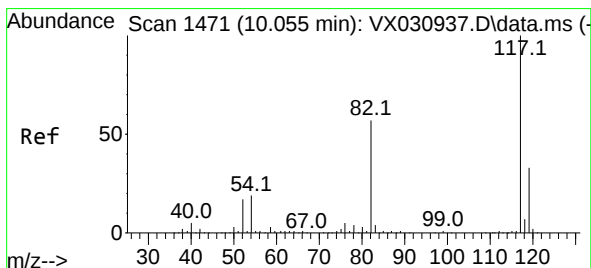
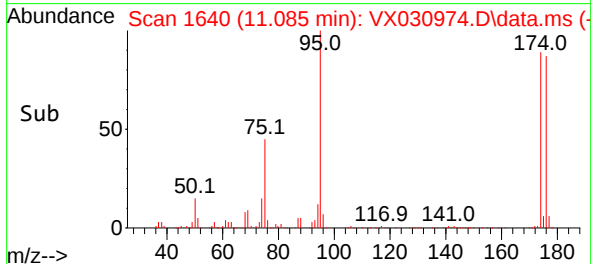
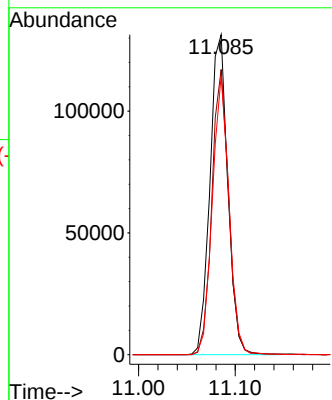
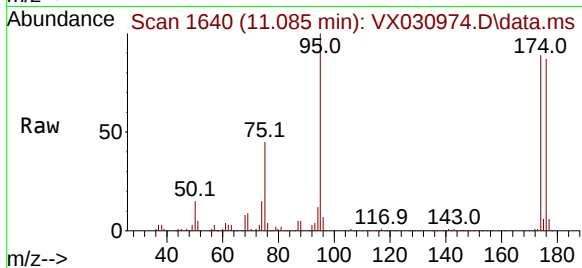
Tgt Ion: 95 Resp: 168391

Ion Ratio Lower Upper

95 100

174 83.9 0.0 149.0

176 81.4 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: VX030974.D

Acq: 31 Aug 2022 13:36

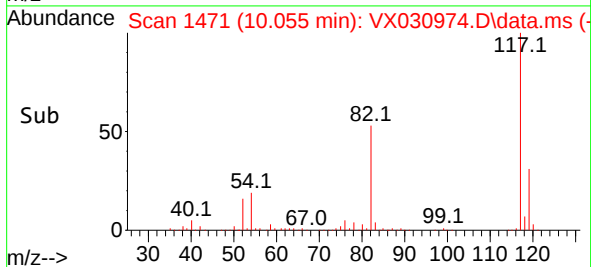
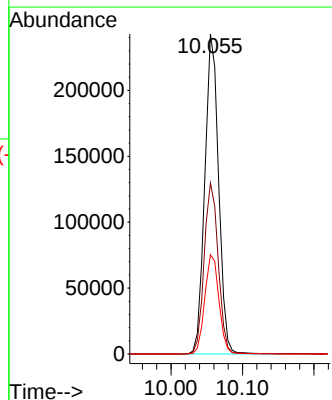
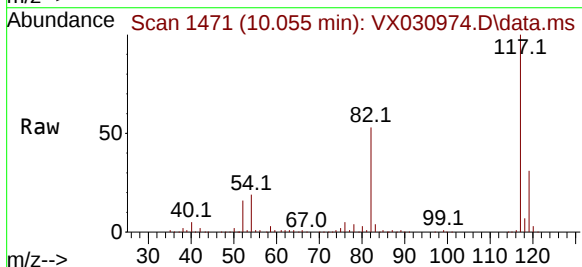
Tgt Ion: 117 Resp: 326135

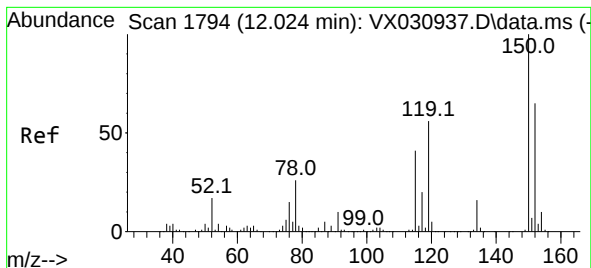
Ion Ratio Lower Upper

117 100

82 53.4 42.7 64.1

119 31.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030974.D

Acq: 31 Aug 2022 13:36

Instrument :

MSVOA_X

ClientSampleId :

MW-37

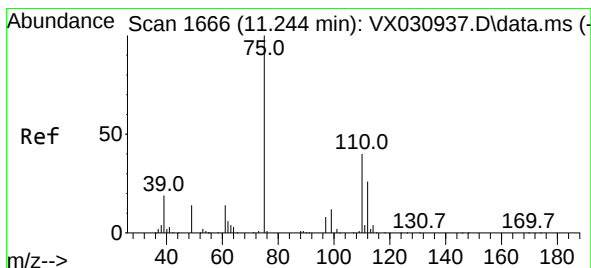
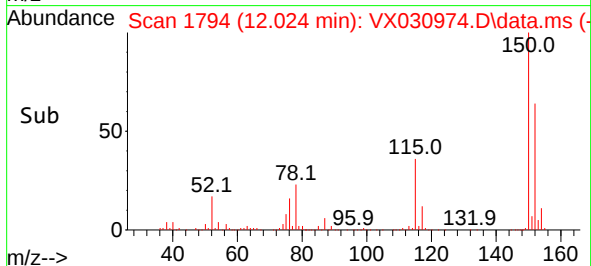
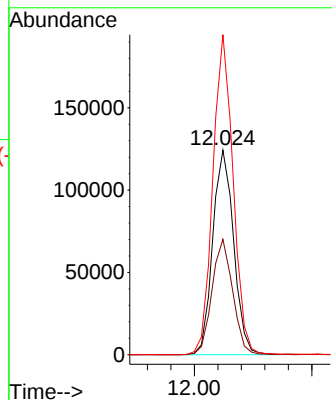
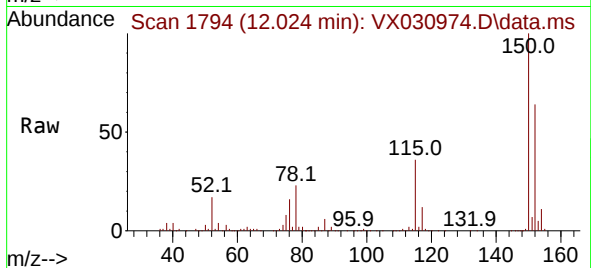
Tgt Ion:152 Resp: 153644

Ion Ratio Lower Upper

152 100

115 55.8 40.5 121.5

150 151.3 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 21.150 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030974.D

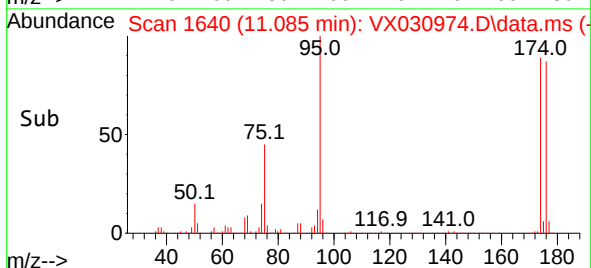
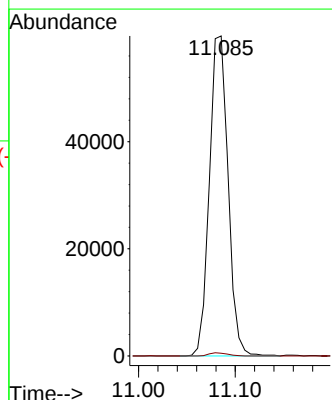
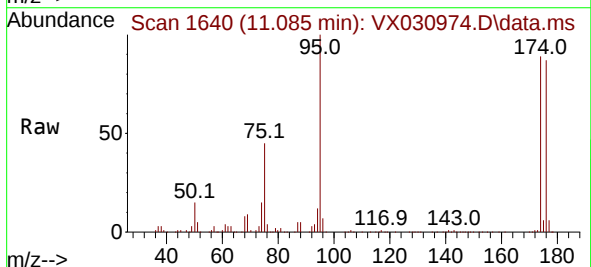
Acq: 31 Aug 2022 13:36

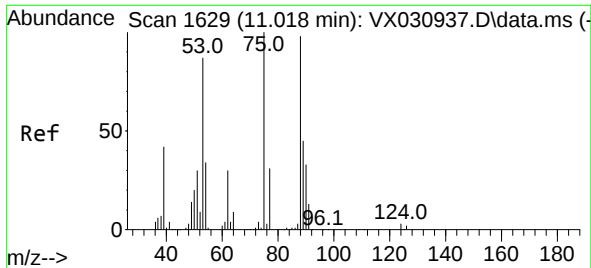
Tgt Ion: 75 Resp: 79999

Ion Ratio Lower Upper

75 100

77 1.0 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.881 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030974.D
 Acq: 31 Aug 2022 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Tgt Ion: 75 Resp: 79999
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

