

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083122\
 Data File : VX030981.D
 Acq On : 31 Aug 2022 16:20
 Operator : JC/MD
 Sample : N4381-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-43

Quant Time: Sep 06 02:19:08 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)

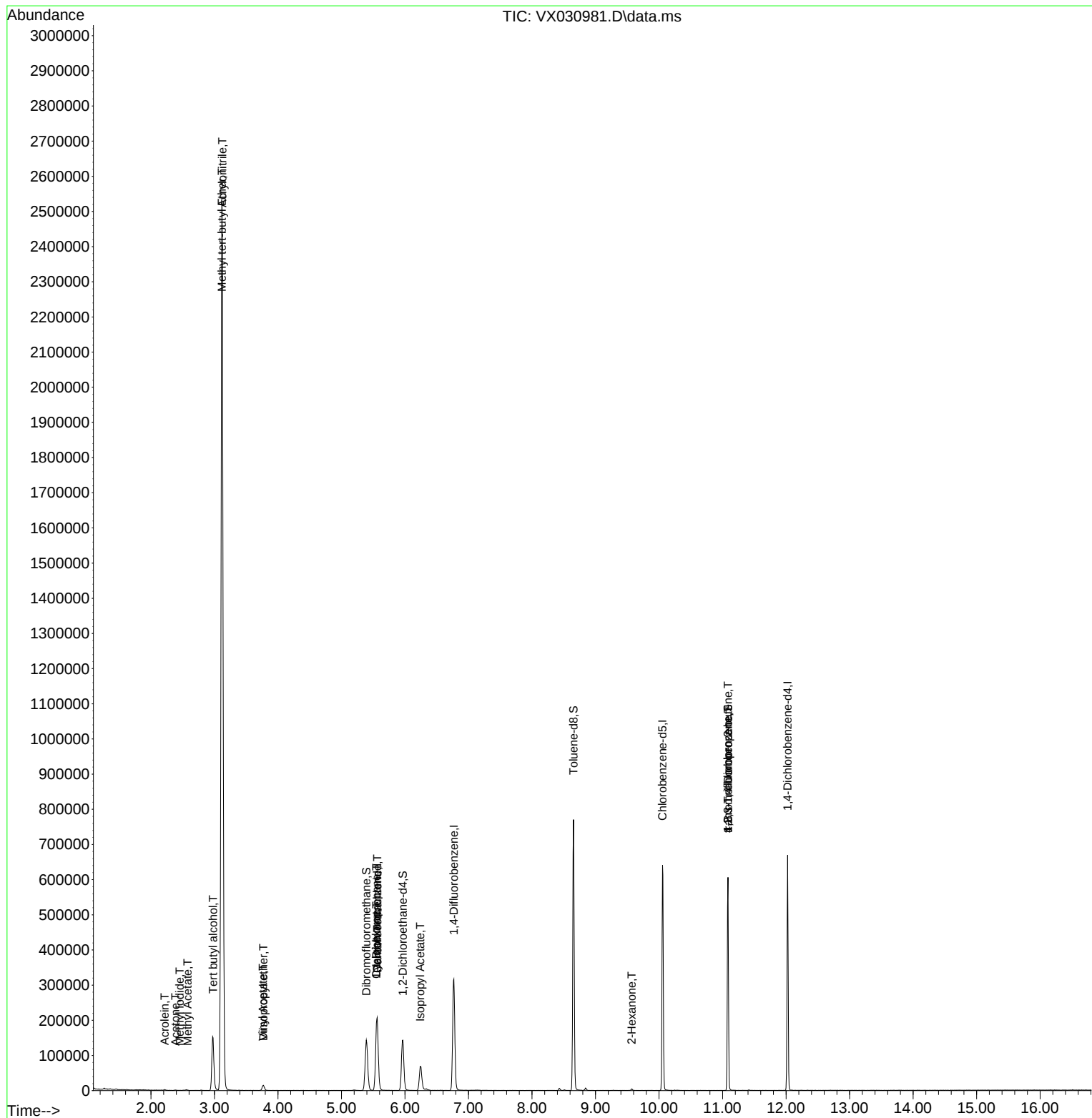
Internal Standards						
1) Pentafluorobenzene	5.562	168	206052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	346740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	140082	47.399	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.800%
35) Dibromofluoromethane	5.391	113	129413	50.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.260%
50) Toluene-d8	8.653	98	480528	50.765	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.540%
62) 4-Bromofluorobenzene	11.085	95	165467	49.088	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.180%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	255	Below Cal		97
10) Methyl Iodide	2.453	142	135	4.429	ug/l #	85
11) Tert butyl alcohol	2.977	59	195601	279.355	ug/l	97
13) Acrolein	2.215	56	46	7.400	ug/l #	1
15) Acrylonitrile	3.123	53	28024	18.125	ug/l #	30
16) Acetone	2.386	43	1401	1.050	ug/l #	75
18) Methyl Acetate	2.575	43	882	0.225	ug/l #	51
19) Methyl tert-butyl Ether	3.117	73	2979158	365.260	ug/l	95
22) Diisopropyl ether	3.770	45	15022	1.794	ug/l #	68
23) Vinyl Acetate	3.763	43	7675	1.143	ug/l #	72
31) Cyclohexane	5.550	56	3826	0.875	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15453	4.068	ug/l #	48
38) Carbon Tetrachloride	5.562	117	20096	5.556	ug/l #	17
43) Isopropyl Acetate	6.239	43	17597	2.839	ug/l #	62
59) 2-Hexanone	9.567	43	1173	0.386	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	79981	22.824	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	79981	67.859	ug/l #	13

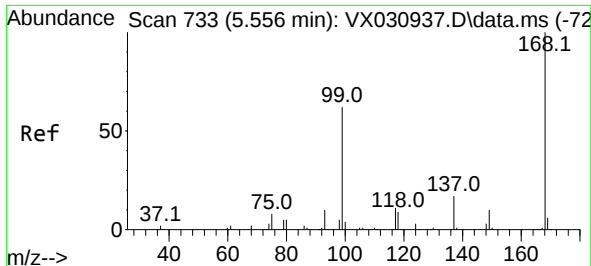
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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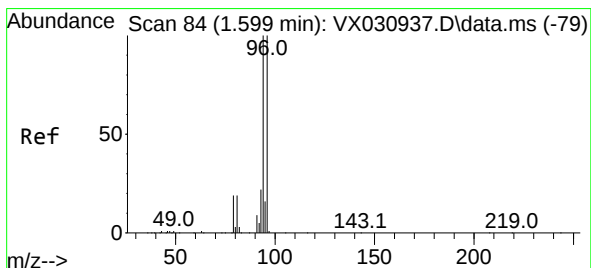
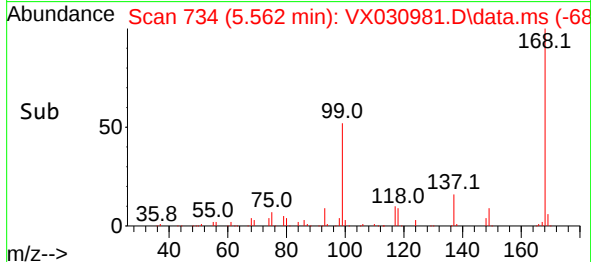
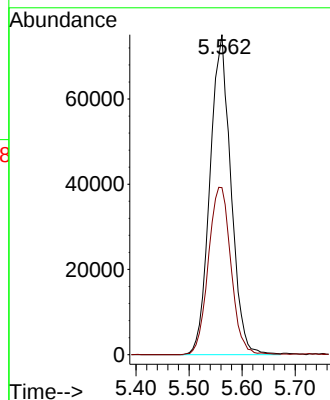
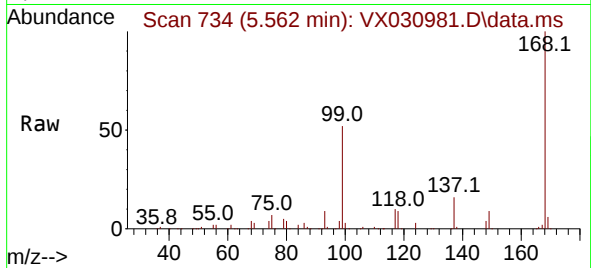




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

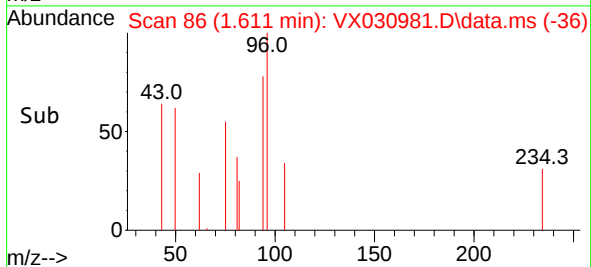
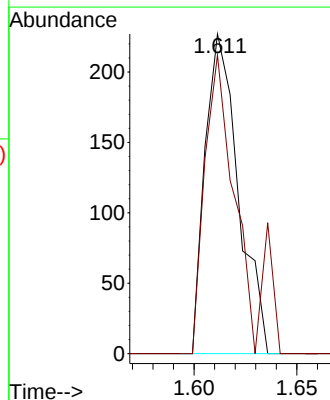
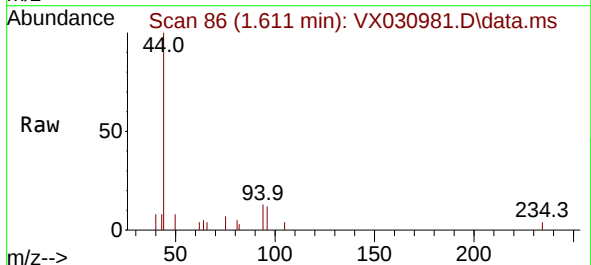
Instrument :
MSVOA_X
ClientSampleId :
MW-43

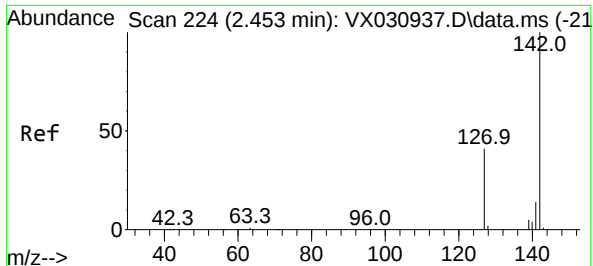
Tgt Ion:168 Resp: 206052
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

Tgt Ion: 94 Resp: 255
Ion Ratio Lower Upper
94 100
96 93.4 76.9 115.3

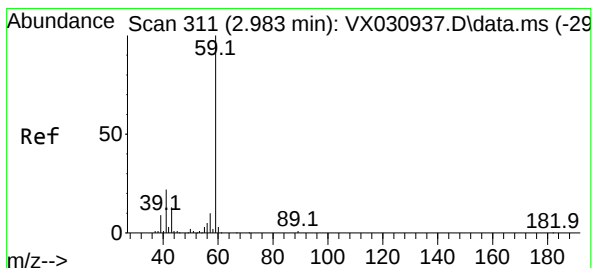
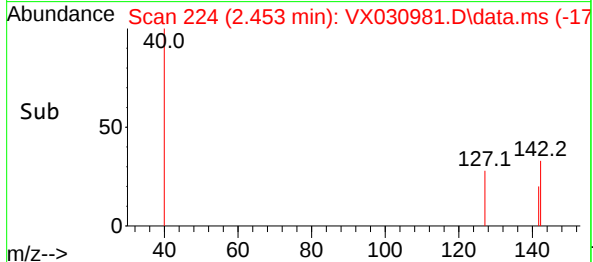
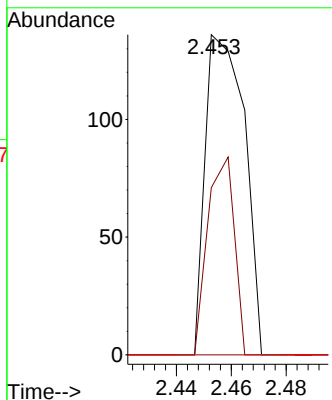
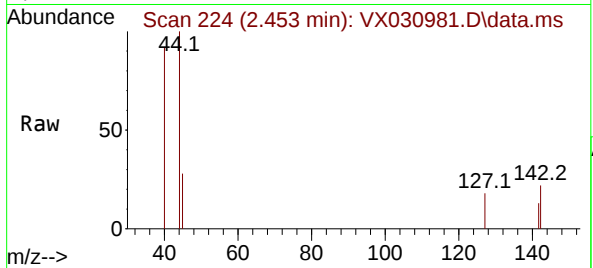




#10
Methyl Iodide
Concen: 4.429 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

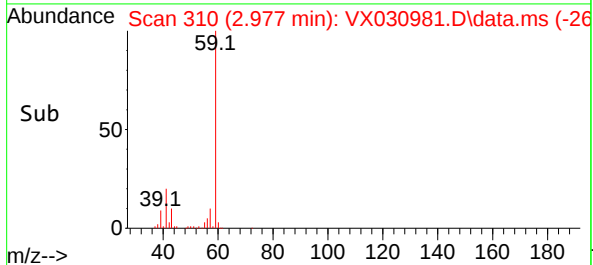
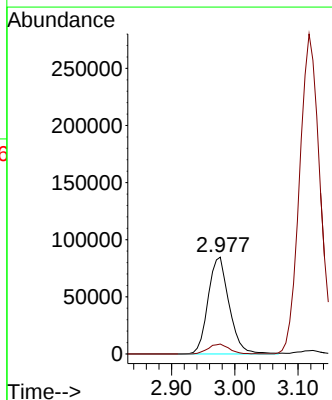
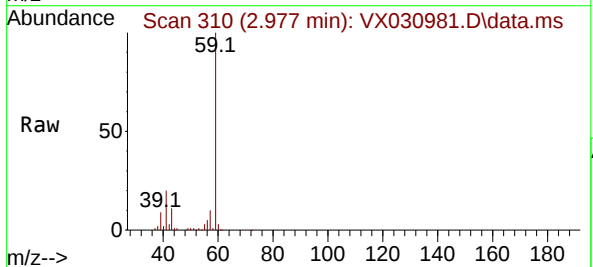
Instrument :
MSVOA_X
ClientSampleId :
MW-43

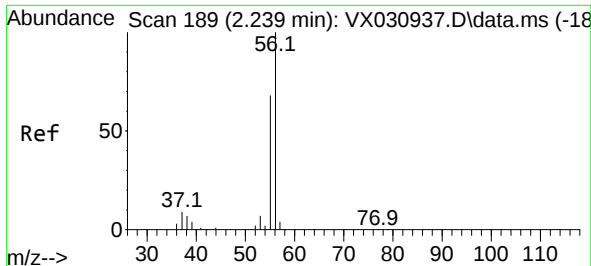
Tgt Ion:142	Resp:	135
Ion	Ratio	Lower Upper
142	100	
127	42.2	30.2 45.2
141	0.0	11.3 16.9



#11
Tert butyl alcohol
Concen: 279.355 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.012 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

Tgt Ion: 59	Resp:	195601
Ion	Ratio	Lower Upper
59	100	
57	10.4	7.4 11.2

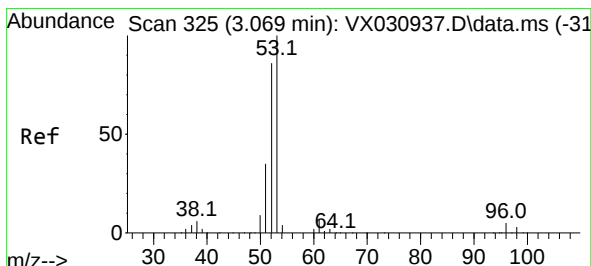
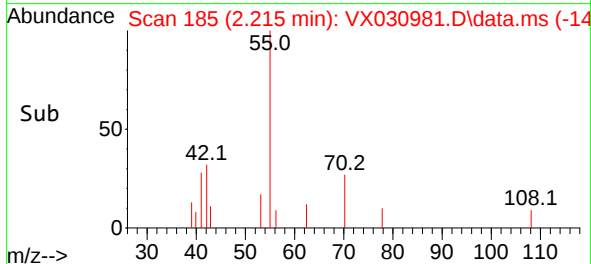
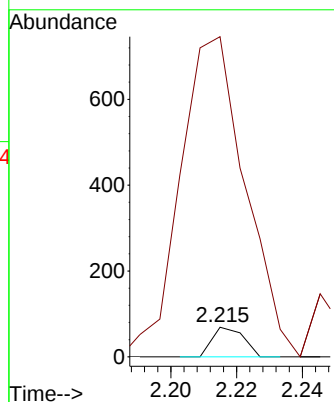
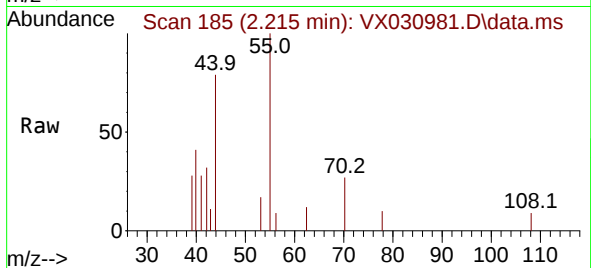




#13
Acrolein
Concen: 7.400 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

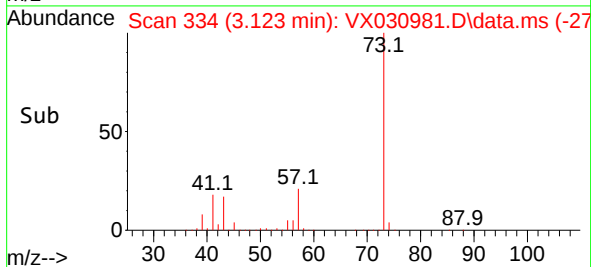
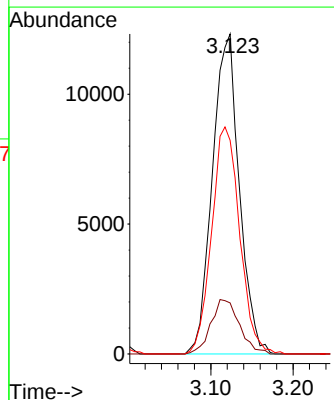
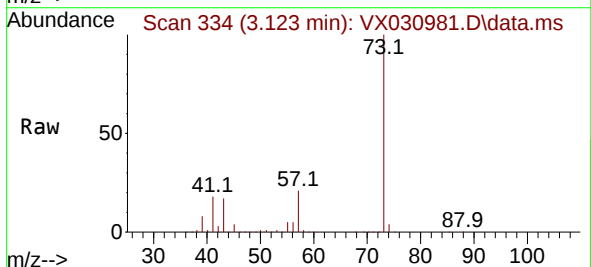
Instrument :
MSVOA_X
ClientSampleId :
MW-43

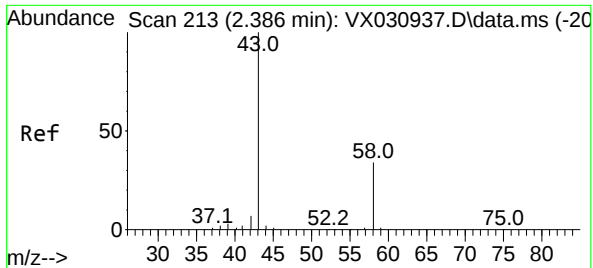
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 2232.6 56.6 84.8#



#15
Acrylonitrile
Concen: 18.125 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.054 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

Tgt Ion: 53 Resp: 28024
Ion Ratio Lower Upper
53 100
52 18.0 65.4 98.0#
51 73.9 27.7 41.5#





#16

Acetone

Concen: 1.050 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

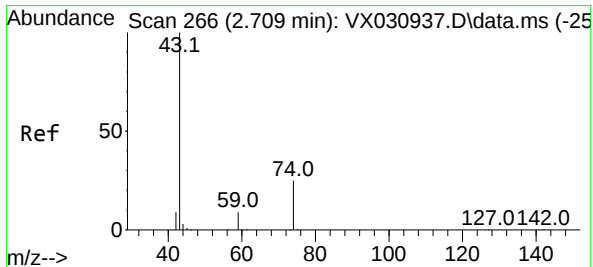
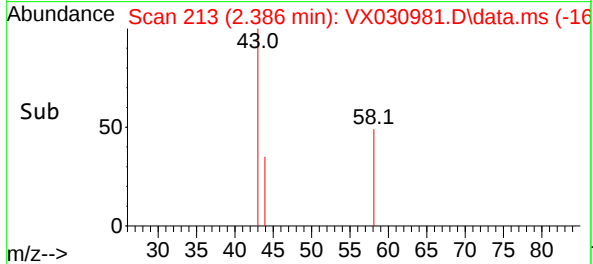
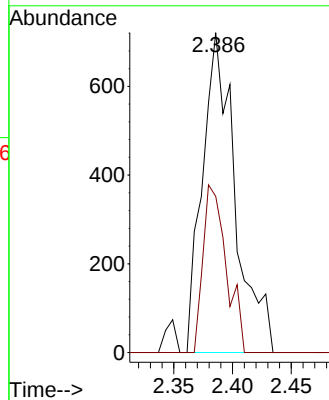
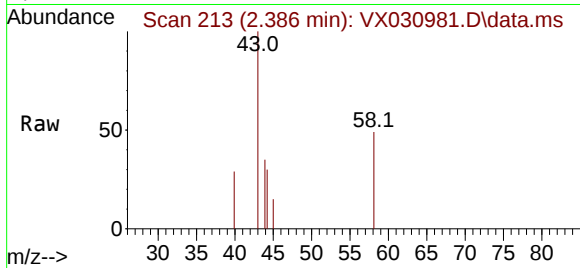
MW-43

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 48.8 27.7 41.5#



#18

Methyl Acetate

Concen: 0.225 ug/l

RT: 2.575 min Scan# 244

Delta R.T. -0.134 min

Lab File: VX030981.D

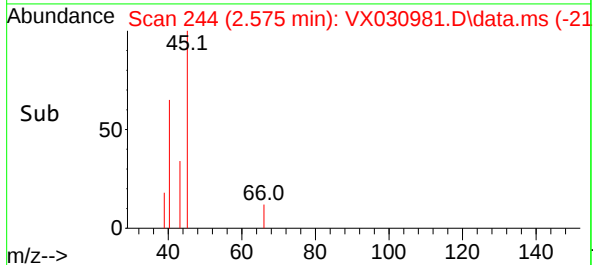
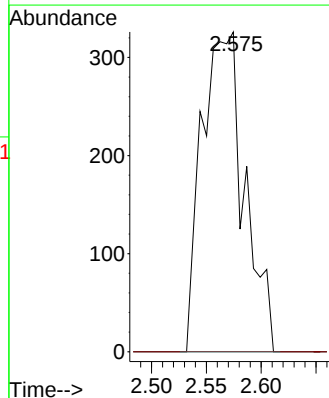
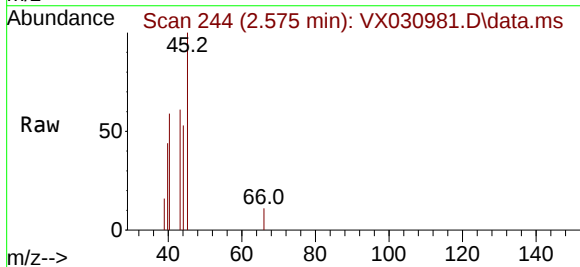
Acq: 31 Aug 2022 16:20

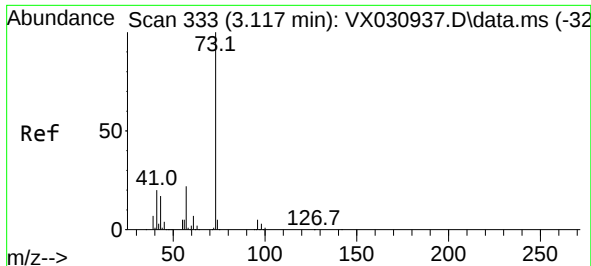
Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 365.260 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

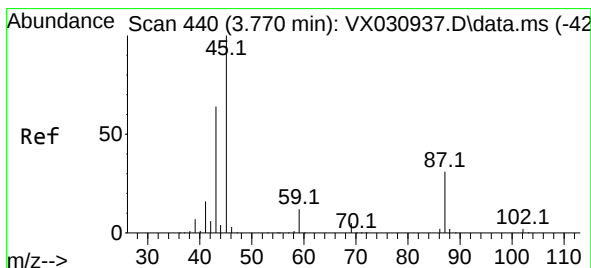
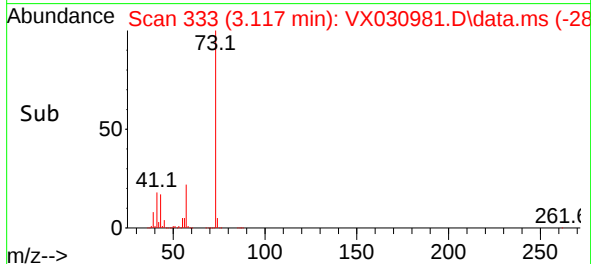
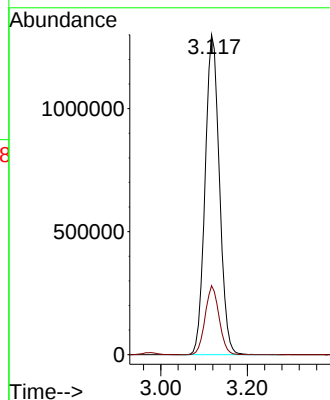
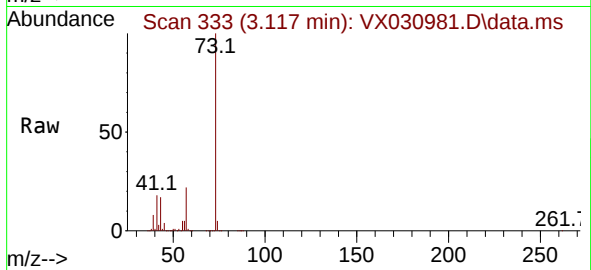
MW-43

Tgt Ion: 73 Resp: 2979158

Ion Ratio Lower Upper

73 100

57 21.5 19.0 28.6



#22

Diisopropyl ether

Concen: 1.794 ug/l

RT: 3.770 min Scan# 440

Delta R.T. -0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Tgt Ion: 45 Resp: 15022

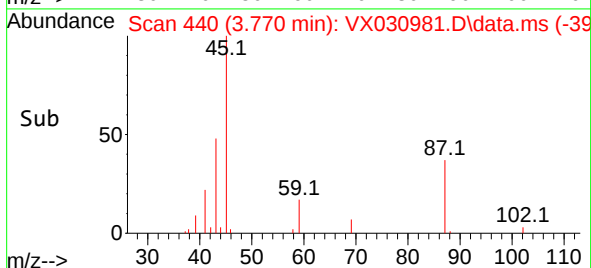
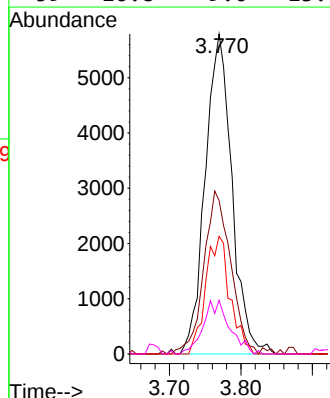
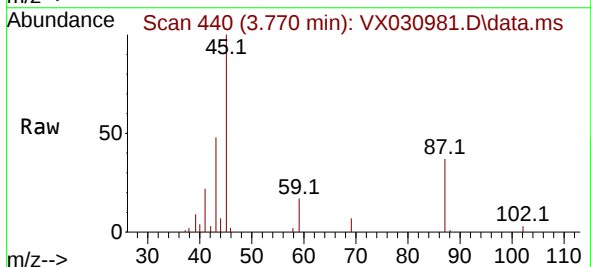
Ion Ratio Lower Upper

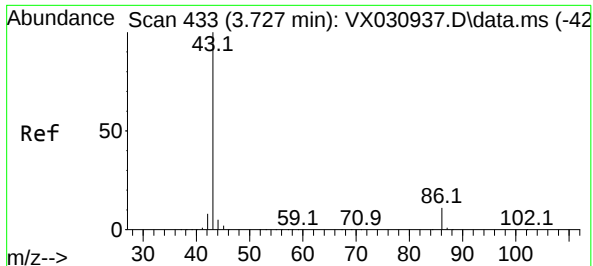
45 100

43 46.7 65.4 98.0#

87 36.7 22.3 33.5#

59 16.8 9.0 13.4#

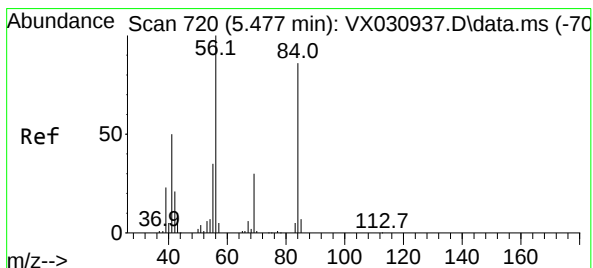
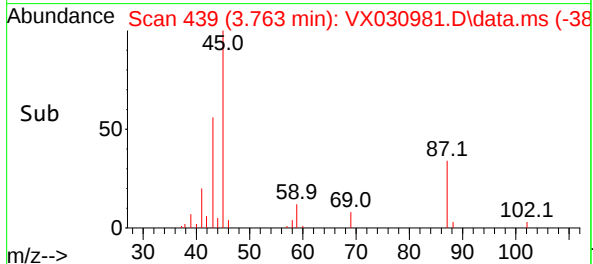
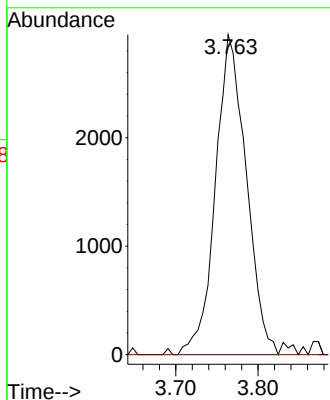
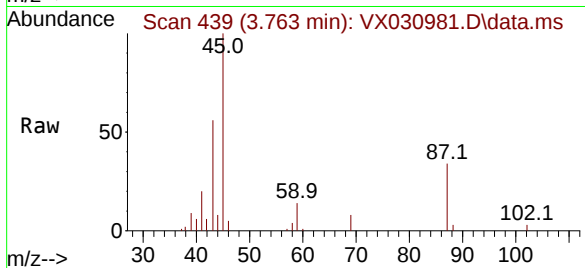




#23
 Vinyl Acetate
 Concen: 1.143 ug/l
 RT: 3.763 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX030981.D
 Acq: 31 Aug 2022 16:20

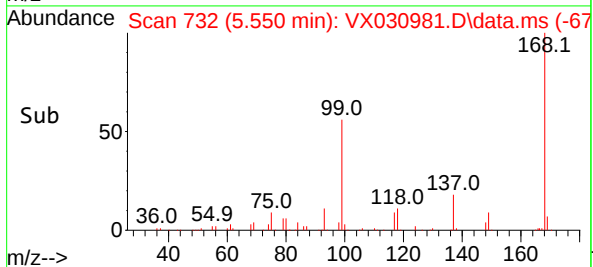
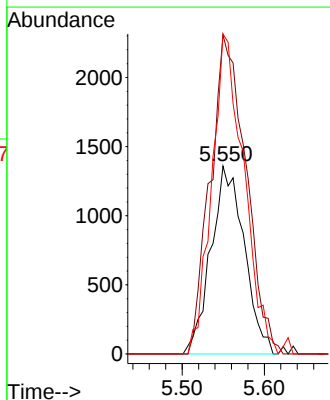
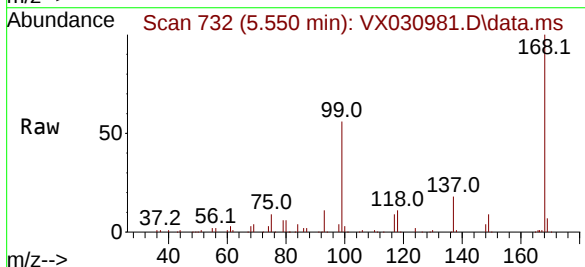
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-43

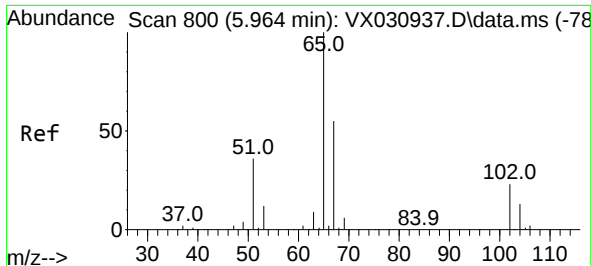
Tgt Ion: 43 Resp: 7675
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#31
 Cyclohexane
 Concen: 0.875 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.073 min
 Lab File: VX030981.D
 Acq: 31 Aug 2022 16:20

Tgt Ion: 56 Resp: 3826
 Ion Ratio Lower Upper
 56 100
 69 169.8 25.4 38.0#
 84 170.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.399 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

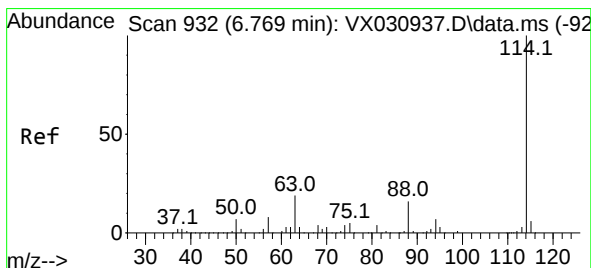
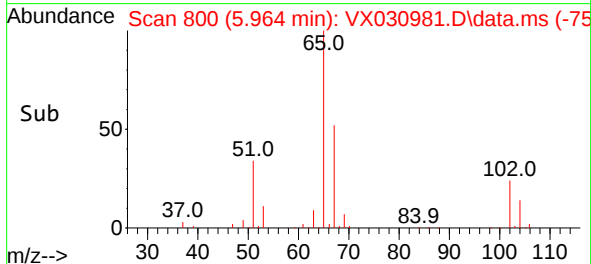
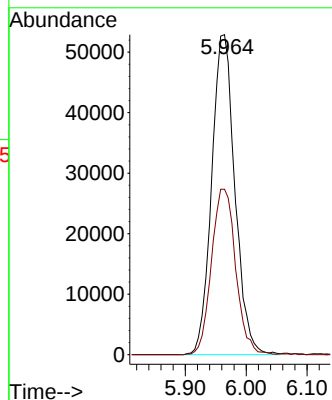
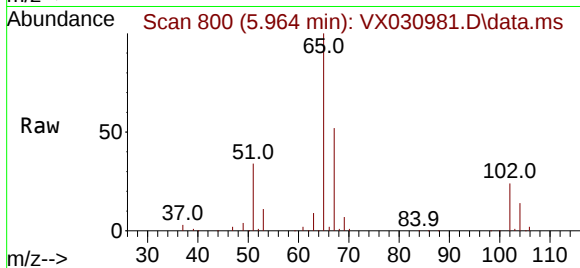
MW-43

Tgt Ion: 65 Resp: 140082

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

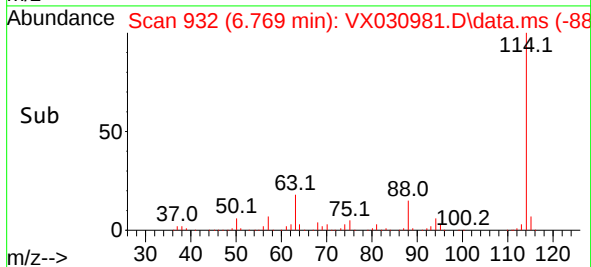
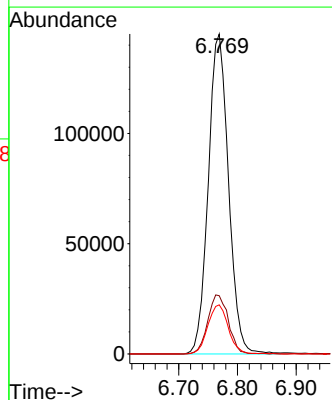
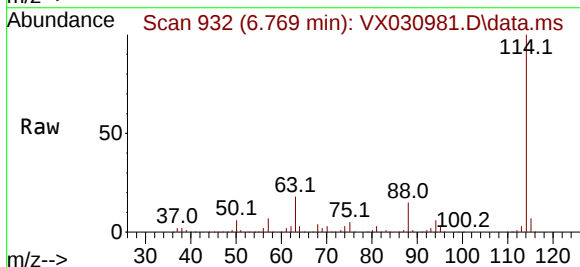
Tgt Ion: 114 Resp: 346740

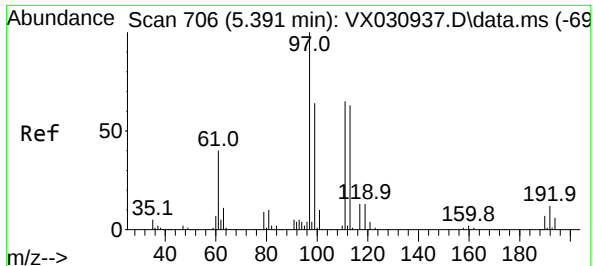
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.631 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

MW-43

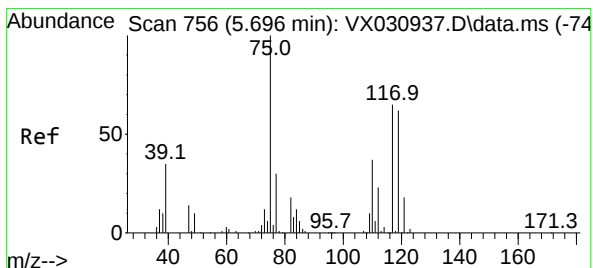
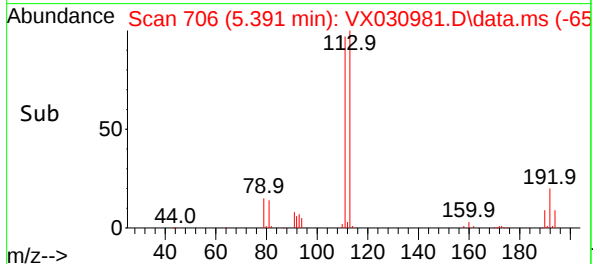
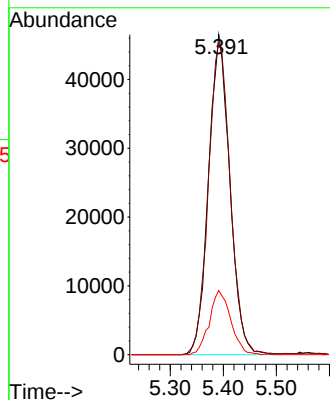
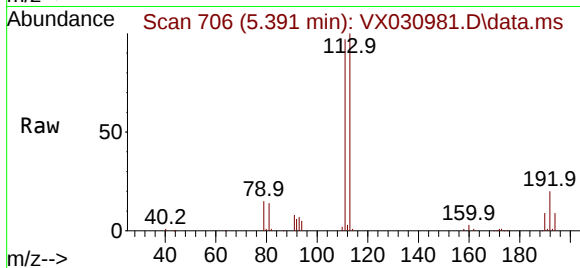
Tgt Ion:113 Resp: 129413

Ion Ratio Lower Upper

113 100

111 100.8 83.2 124.8

192 20.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.068 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

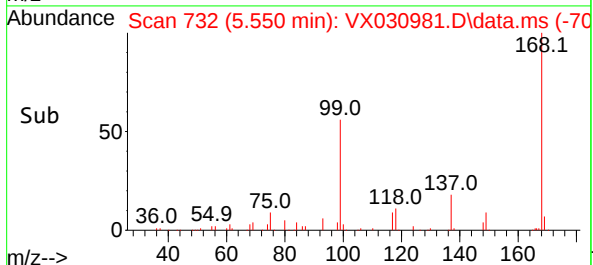
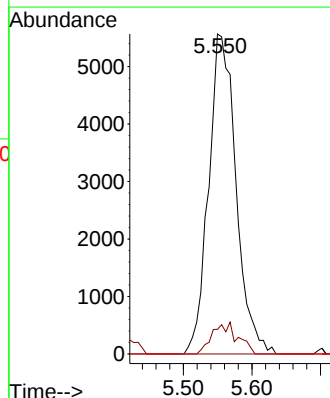
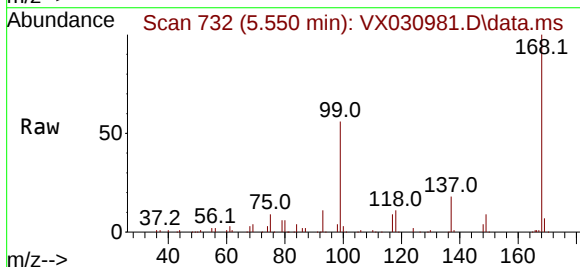
Tgt Ion: 75 Resp: 15453

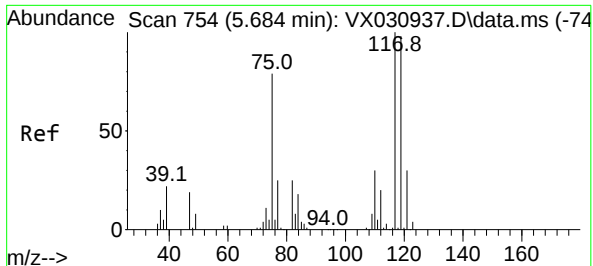
Ion Ratio Lower Upper

75 100

110 9.0 19.3 57.9#

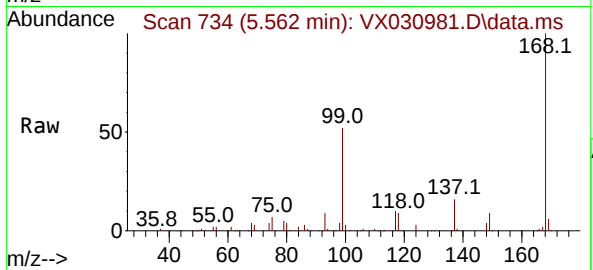
77 0.0 24.4 36.6#



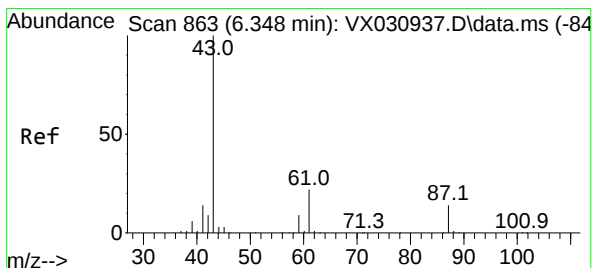
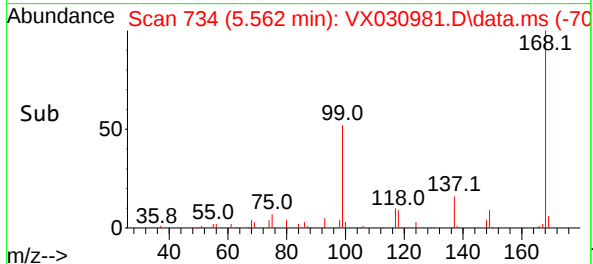
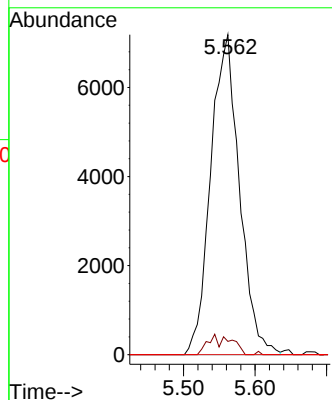


#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

Instrument :
MSVOA_X
ClientSampleId :
MW-43

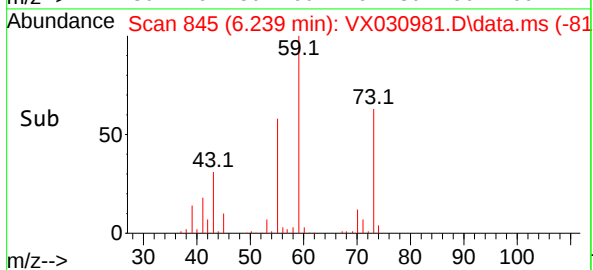
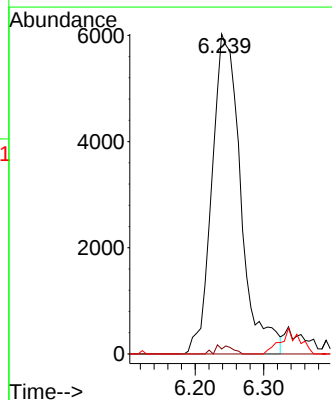
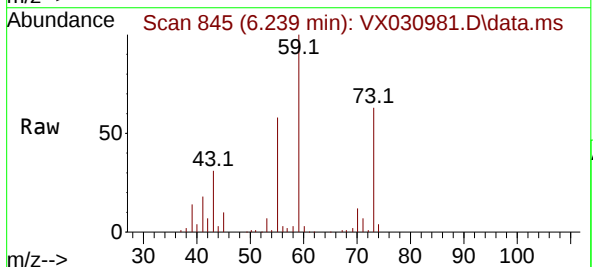


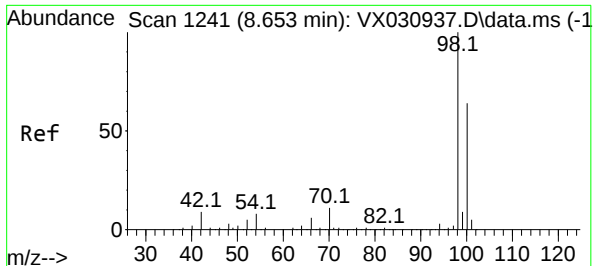
Tgt Ion:117 Resp: 20096
Ion Ratio Lower Upper
117 100
119 4.1 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 2.839 ug/l
RT: 6.239 min Scan# 845
Delta R.T. -0.109 min
Lab File: VX030981.D
Acq: 31 Aug 2022 16:20

Tgt Ion: 43 Resp: 17597
Ion Ratio Lower Upper
43 100
61 1.5 16.5 24.7#
87 0.0 11.1 16.7#





#50

Toluene-d8

Concen: 50.765 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

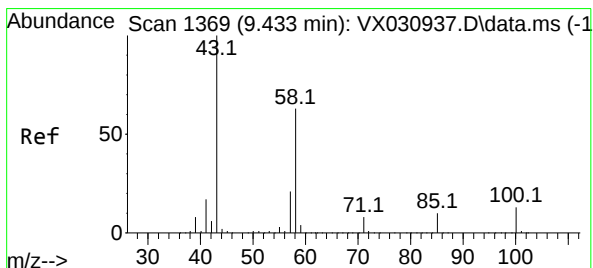
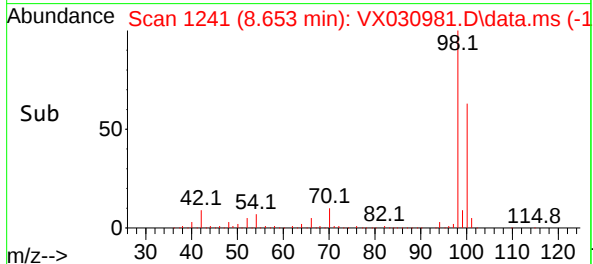
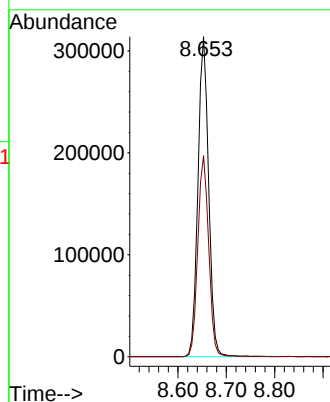
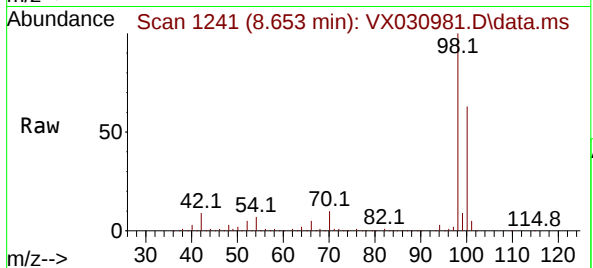
MW-43

Tgt Ion: 98 Resp: 480528

Ion Ratio Lower Upper

98 100

100 63.8 52.3 78.5



#59

2-Hexanone

Concen: 0.386 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX030981.D

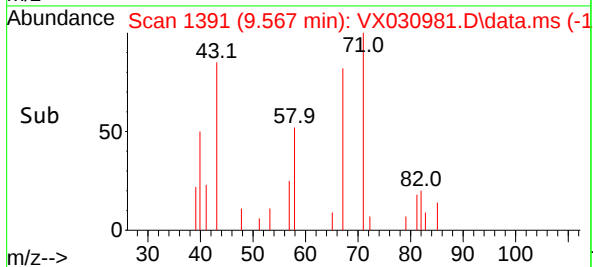
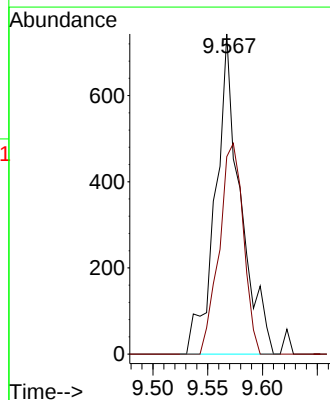
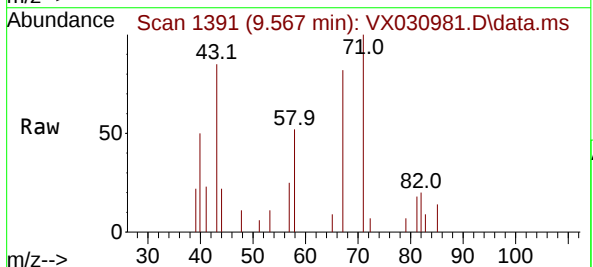
Acq: 31 Aug 2022 16:20

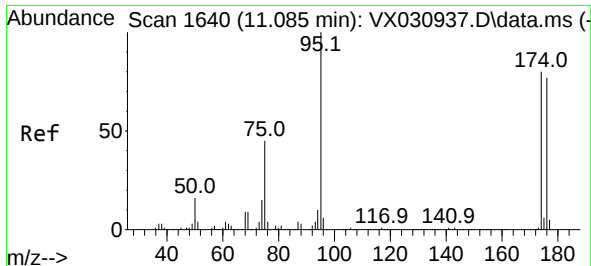
Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

43 100

58 63.9 27.6 82.8





#62

4-Bromofluorobenzene

Concen: 49.088 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

MW-43

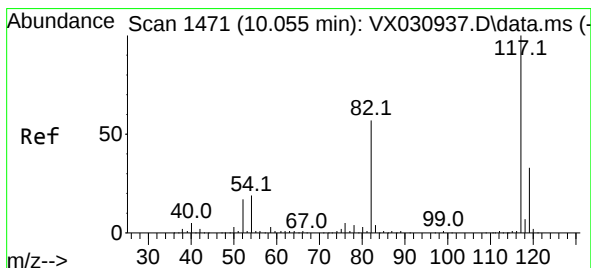
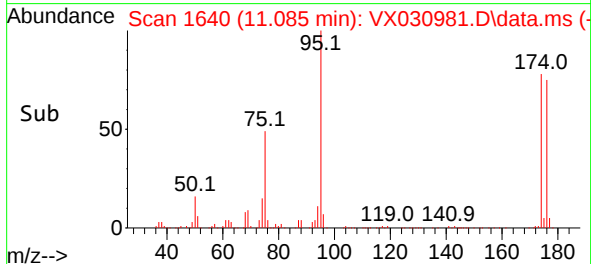
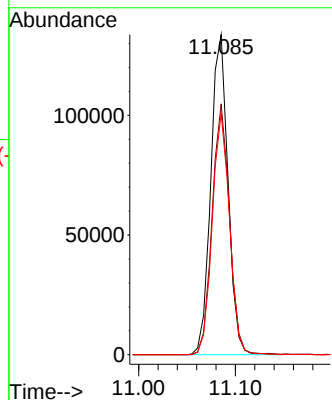
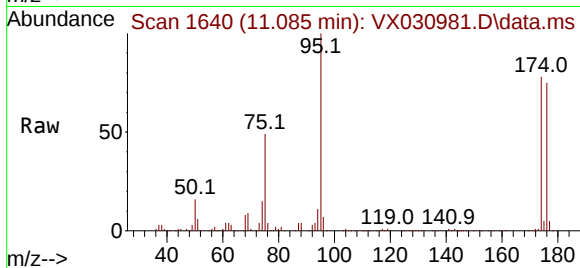
Tgt Ion: 95 Resp: 165467

Ion Ratio Lower Upper

95 100

174 78.8 0.0 149.0

176 75.4 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: VX030981.D

Acq: 31 Aug 2022 16:20

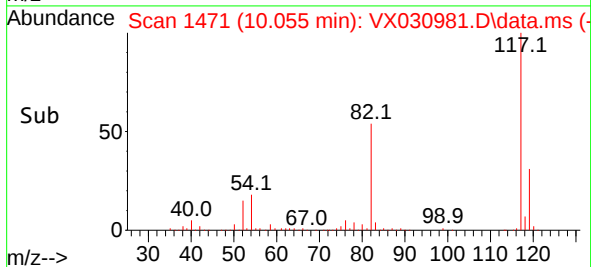
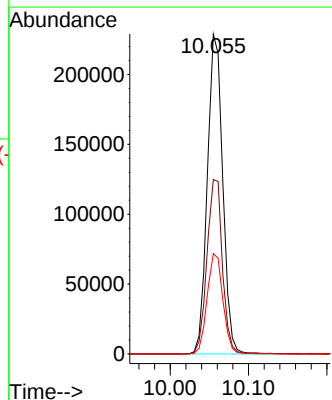
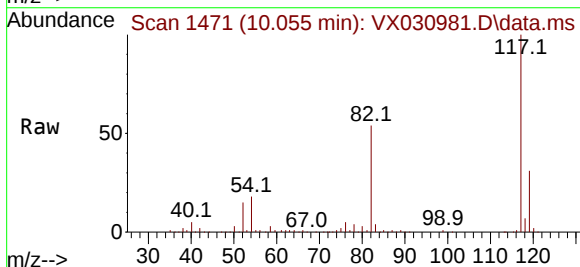
Tgt Ion: 117 Resp: 311586

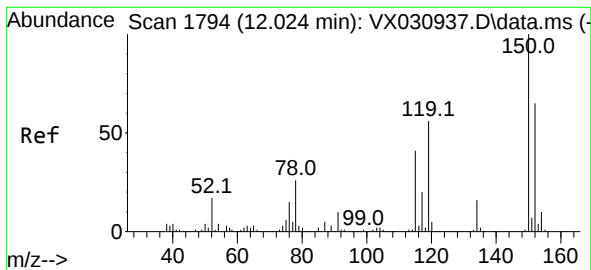
Ion Ratio Lower Upper

117 100

82 54.5 42.7 64.1

119 31.3 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: VX030981.D

Acq: 31 Aug 2022 16:20

Instrument :

MSVOA_X

ClientSampleId :

MW-43

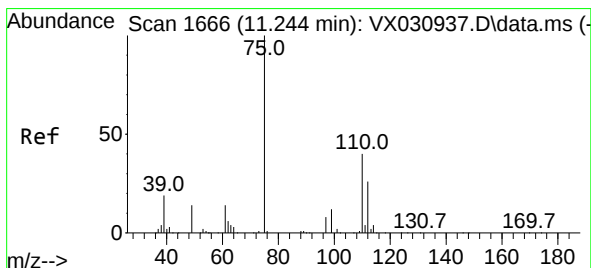
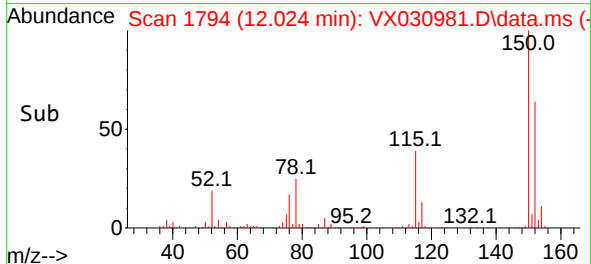
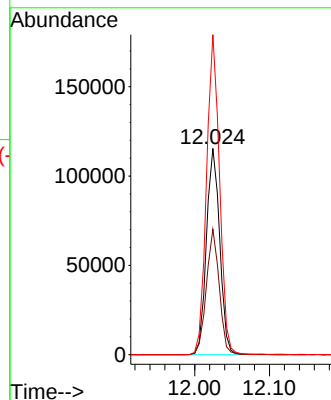
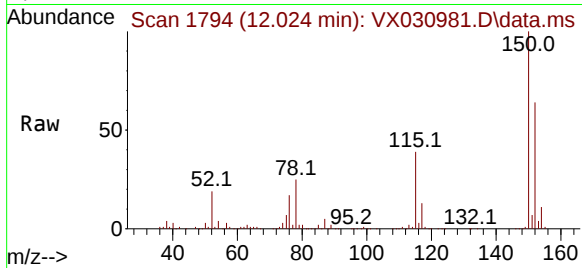
Tgt Ion:152 Resp: 142340

Ion Ratio Lower Upper

152 100

115 59.0 40.5 121.5

150 152.1 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 22.824 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX030981.D

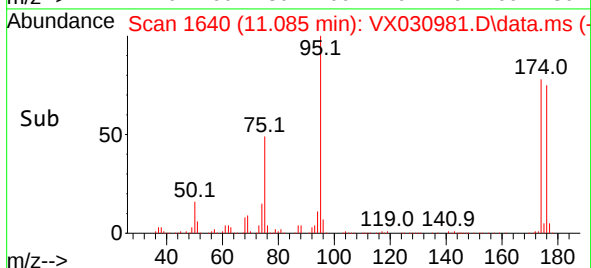
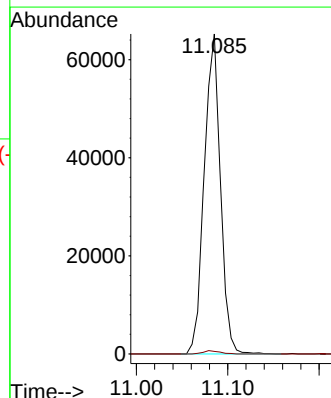
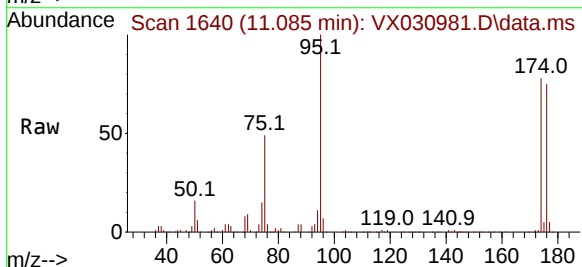
Acq: 31 Aug 2022 16:20

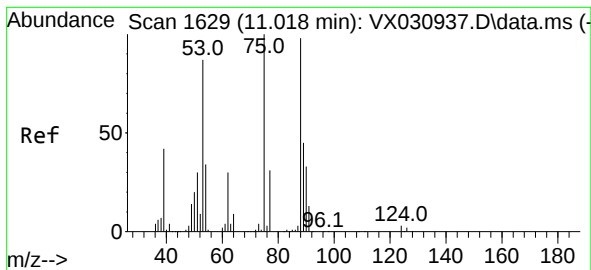
Tgt Ion: 75 Resp: 79981

Ion Ratio Lower Upper

75 100

77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.859 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030981.D
 Acq: 31 Aug 2022 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-43

Tgt Ion: 75 Resp: 79981
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

