

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013661.D
 Acq On : 27 Nov 2019 18:57
 Operator : JC/SP
 Sample : K6027-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Nov 28 03:33:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	660280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1049242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	937735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	412493	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	384690	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	5.49	113	311983	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1246210	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.14	95	415200	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	

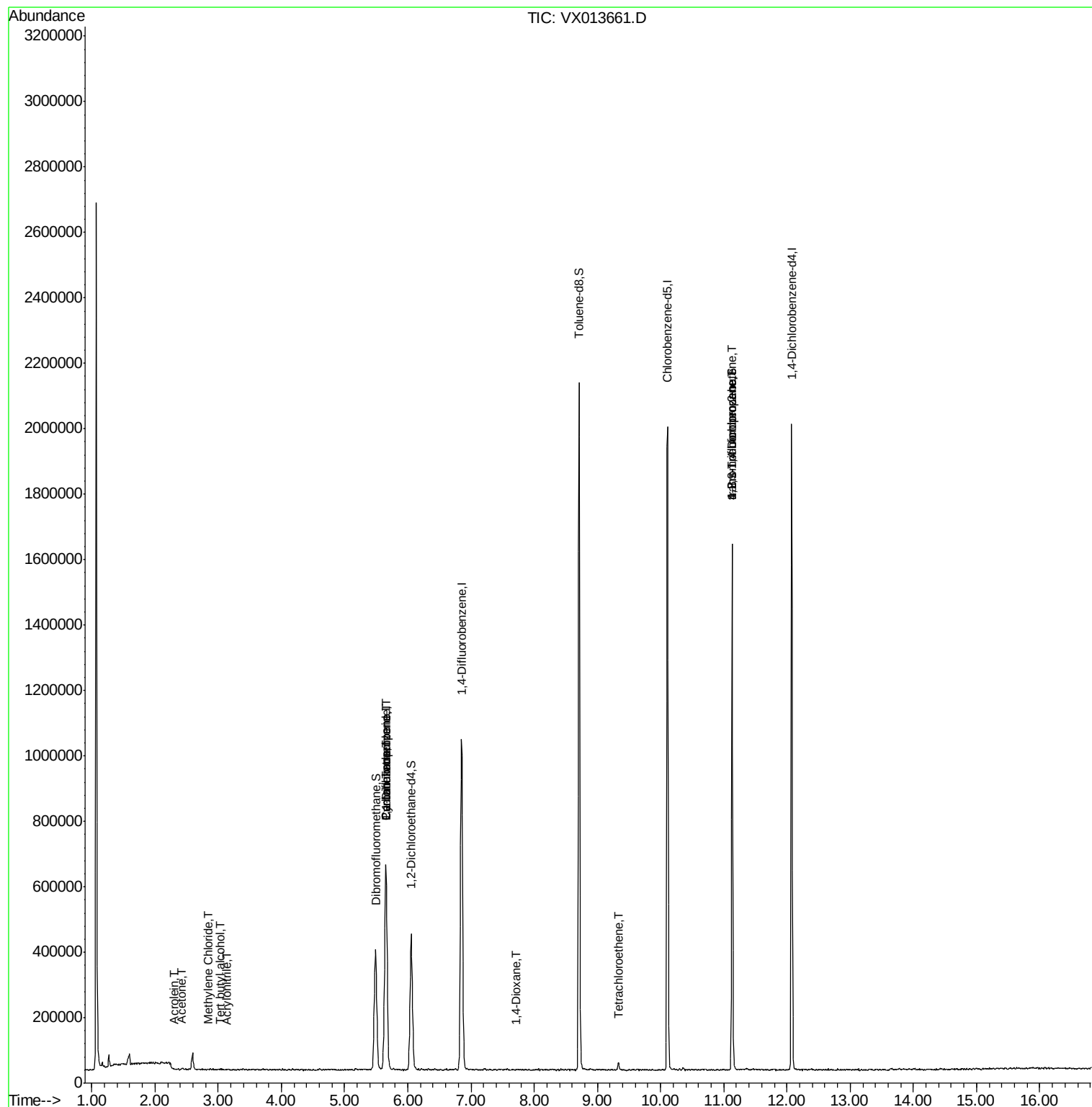
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	2044	1.080	ug/l #	44
13) Acrolein	2.30	56	600	6.467	ug/l #	62
15) Acrylonitrile	3.12	53	1464	0.375	ug/l #	58
16) Acetone	2.43	43	6996	1.849	ug/l	99
20) Methylene Chloride	2.85	84	1491	0.205	ug/l #	72
31) Cyclohexane	5.65	56	11714	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	42288	4.440	ug/l #	52
38) Carbon Tetrachloride	5.65	117	57820	6.584	ug/l #	14
49) 1,4-Dioxane	7.72	88	298	1.558	ug/l #	1
64) Tetrachloroethene	9.33	164	5360	0.766	ug/l #	81
76) 1,2,3-Trichloropropane	11.14	75	202639	21.842	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	202639	59.755	ug/l #	11

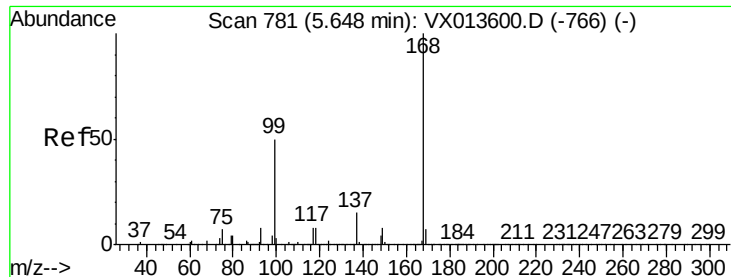
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

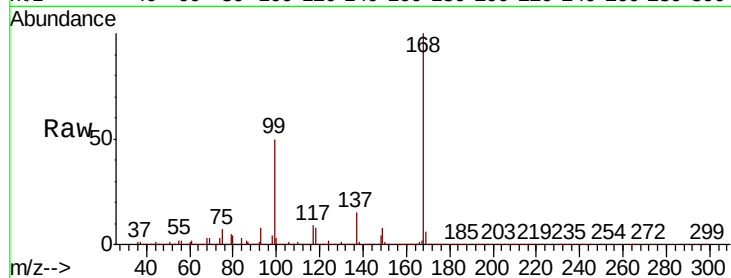
MW-7

Tot Ion:168 Resp: 660280

Ion Ratio Lower Upper

168 100

99 49.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

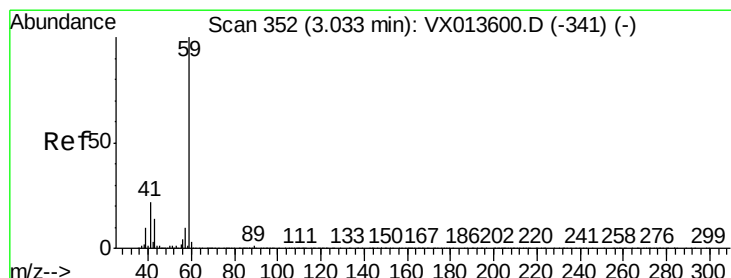
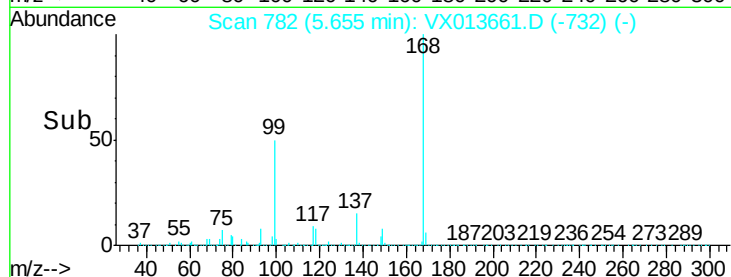
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 1.080 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013661.D

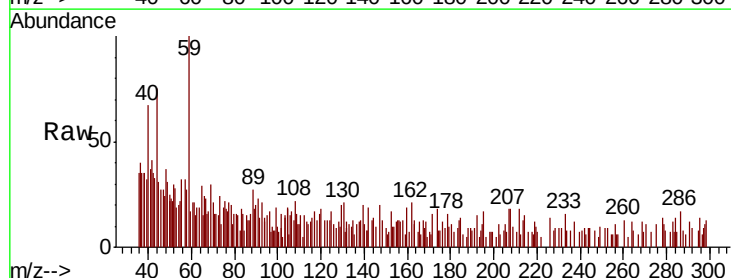
Acq: 27 Nov 2019 18:57

Tgt Ion: 59 Resp: 2044

Ion Ratio Lower Upper

59 100

57 30.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

600

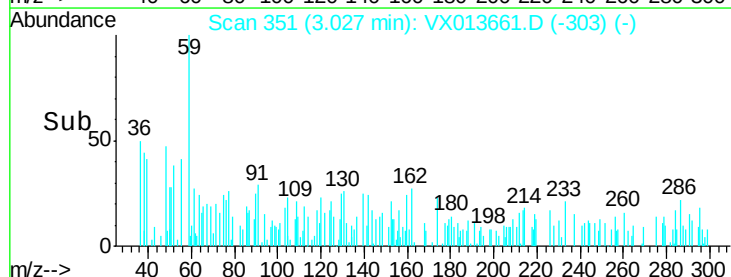
400

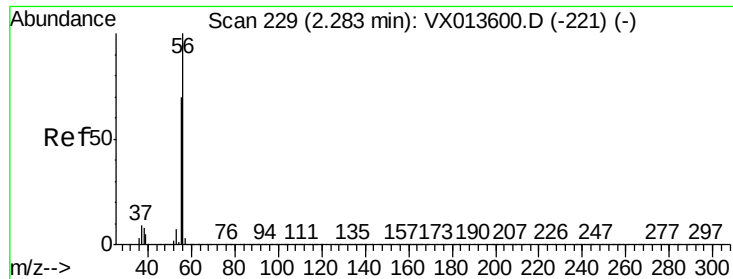
200

0

Time-->

2.95 3.00 3.05

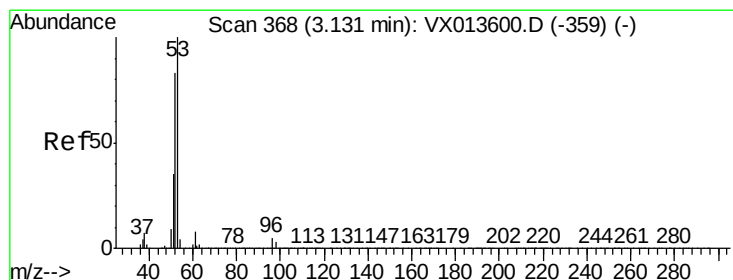
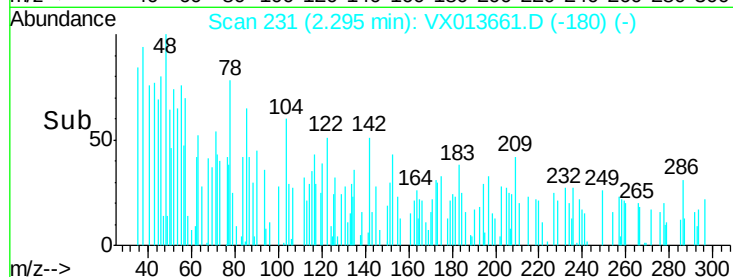
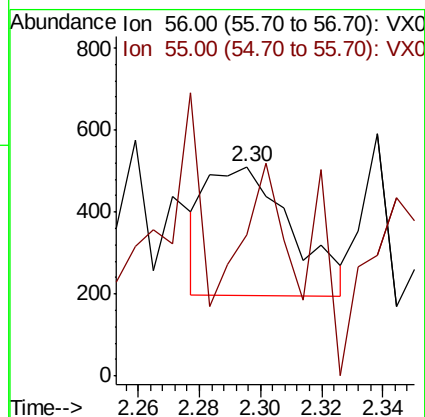
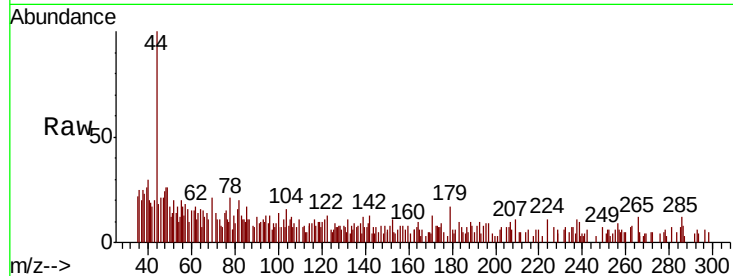




#13
Acrolein
Concen: 6.467 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013661.D
Acq: 27 Nov 2019 18:57

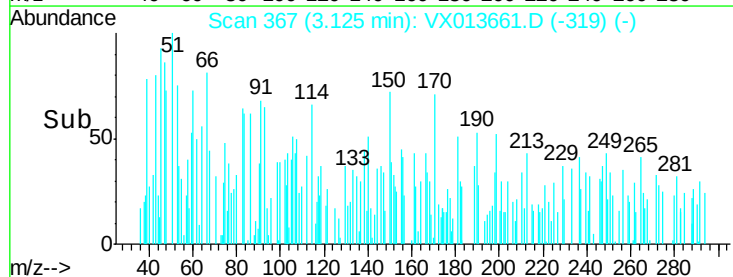
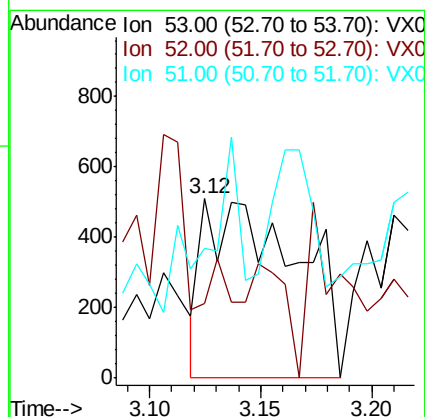
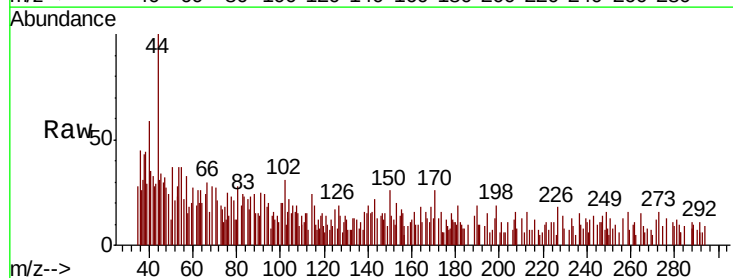
Instrument :
MSVOA_X
ClientSampled :
MW-7

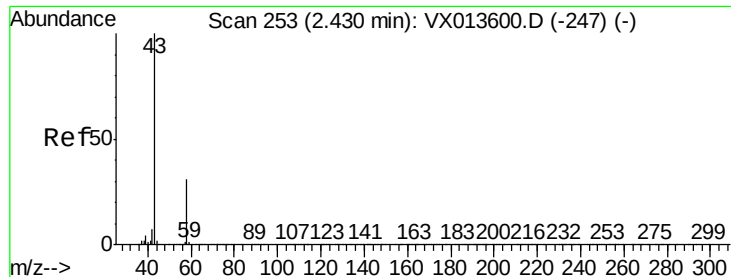
Tot Ion: 56 Resp: 600
Ion Ratio Lower Upper
56 100
55 39.0 56.2 84.4#



#15
Acrylonitrile
Concen: 0.375 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX013661.D
Acq: 27 Nov 2019 18:57

Tgt Ion: 53 Resp: 1464
Ion Ratio Lower Upper
53 100
52 52.9 66.2 99.2#
51 0.0 29.0 43.6#





#16

Acetone

Concen: 1.849 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

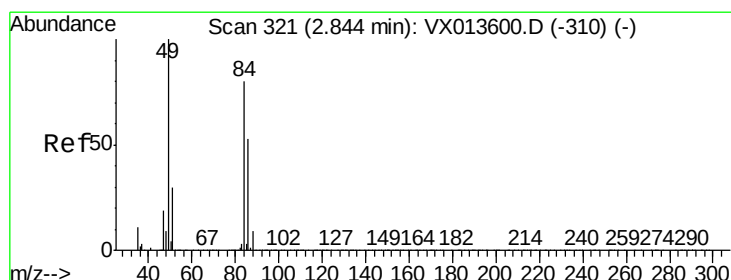
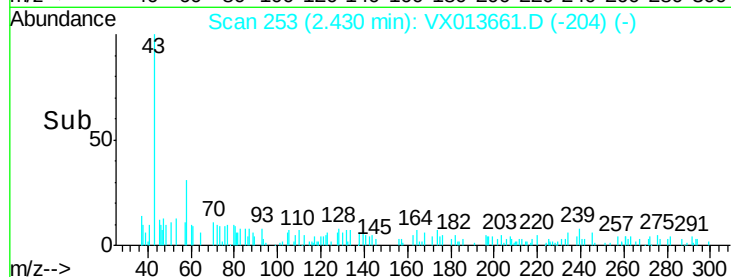
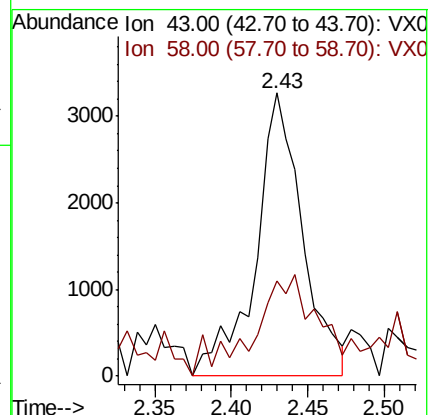
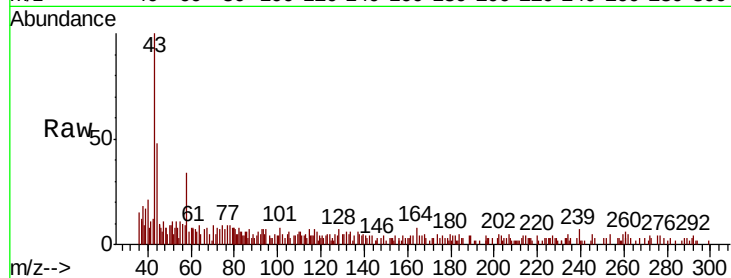
MW-7

Tot Ion: 43 Resp: 6996

Ion Ratio Lower Upper

43 100

58 30.1 24.6 36.8



#20

Methylene Chloride

Concen: 0.205 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Tgt Ion: 84 Resp: 1491

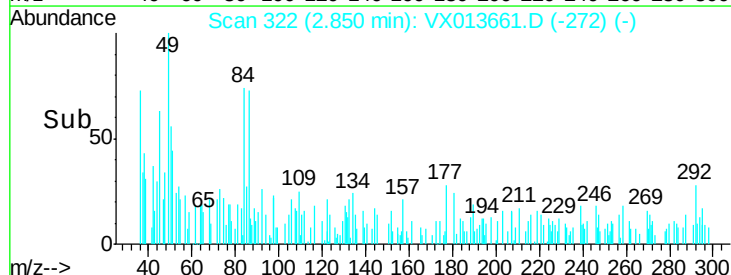
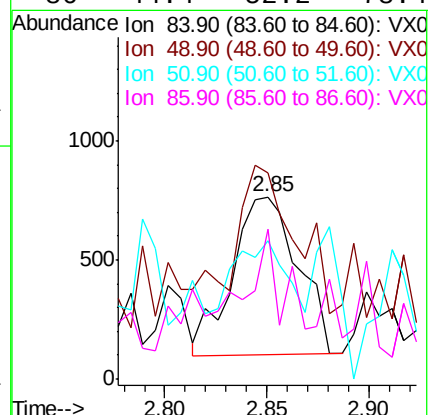
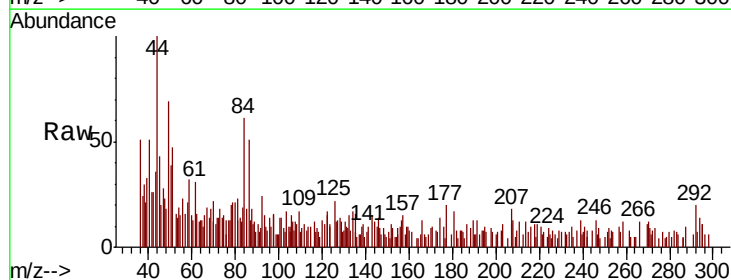
Ion Ratio Lower Upper

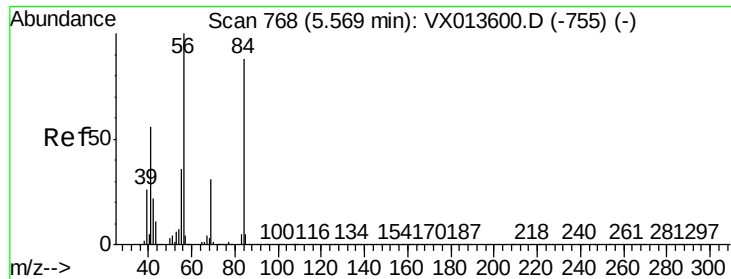
84 100

49 83.2 99.7 149.5#

51 37.9 29.9 44.9

86 44.4 52.2 78.4#

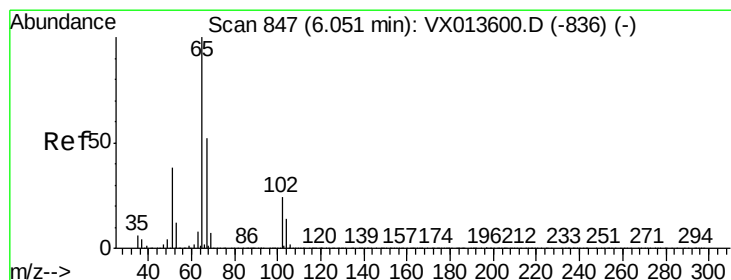
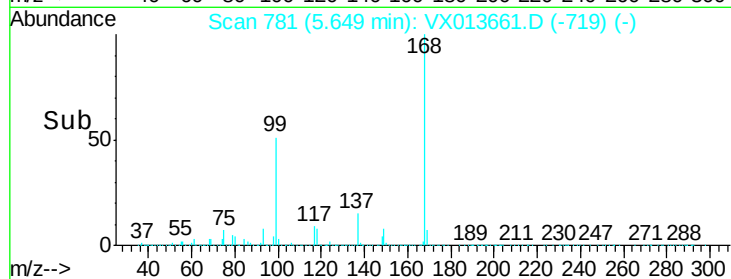
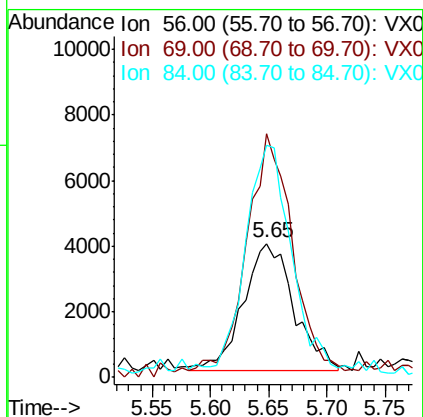
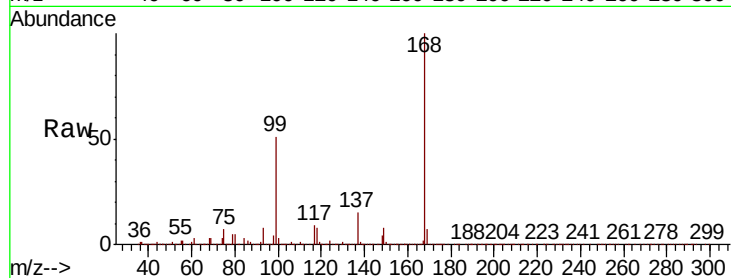




#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013661.D
Acq: 27 Nov 2019 18:57

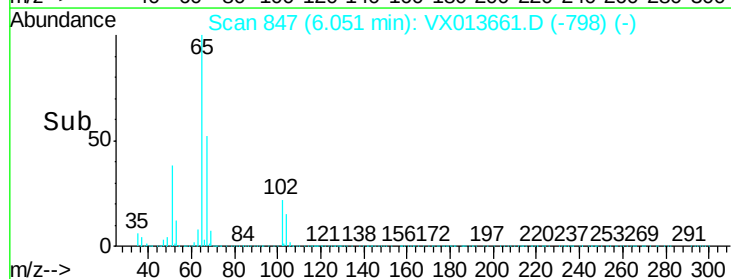
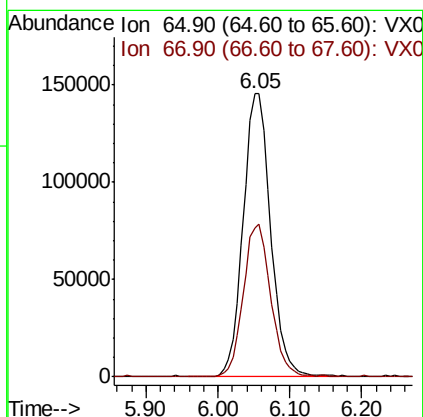
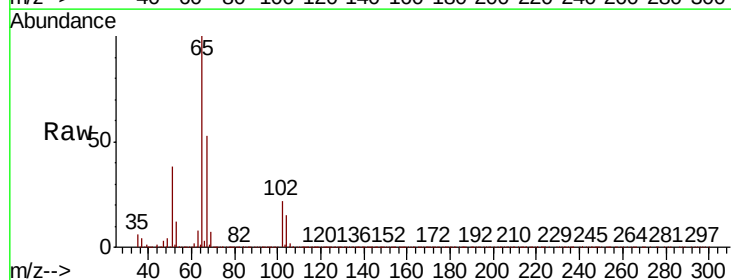
Instrument :
MSVOA_X
ClientSampled :
MW-7

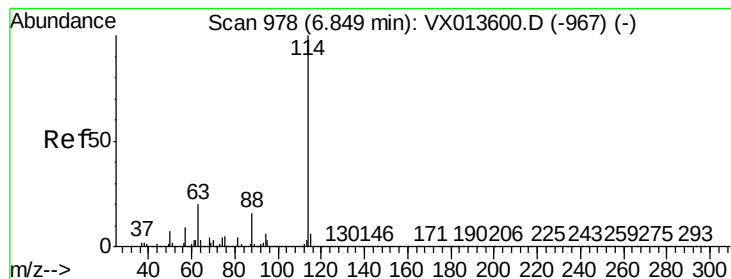
Tot Ion: 56 Resp: 11714
Ion Ratio Lower Upper
56 100
69 192.0 24.6 36.8#
84 180.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 50.192 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013661.D
Acq: 27 Nov 2019 18:57

Tgt Ion: 65 Resp: 384690
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

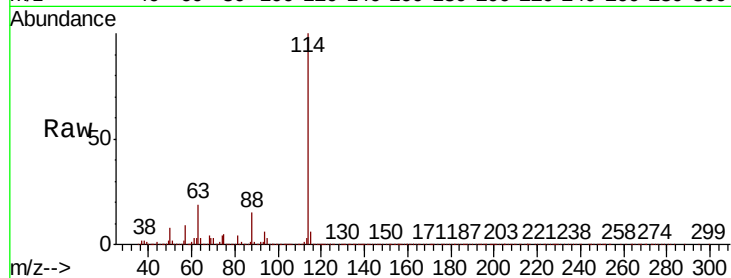
Tot Ion:114 Resp: 1049242

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

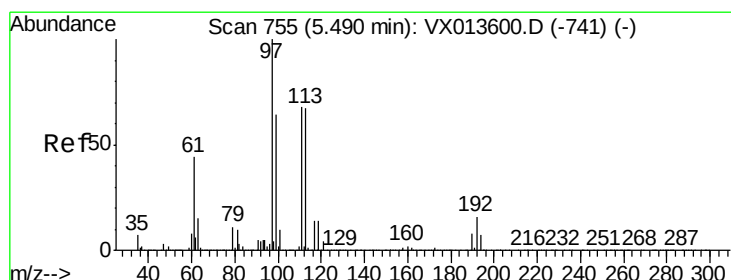
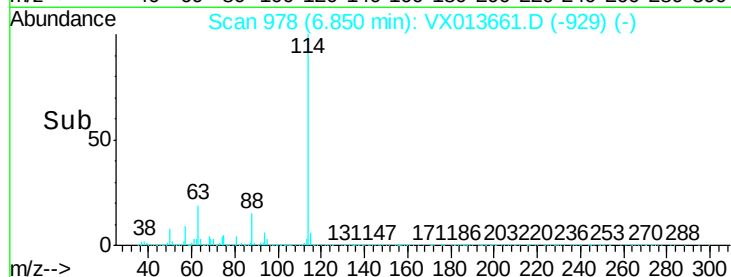
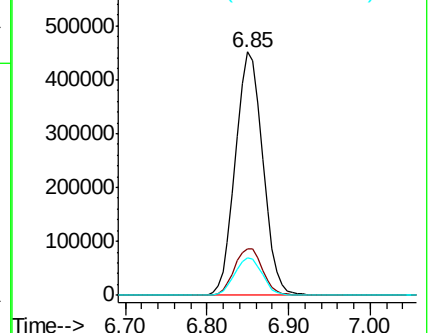
88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.097 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

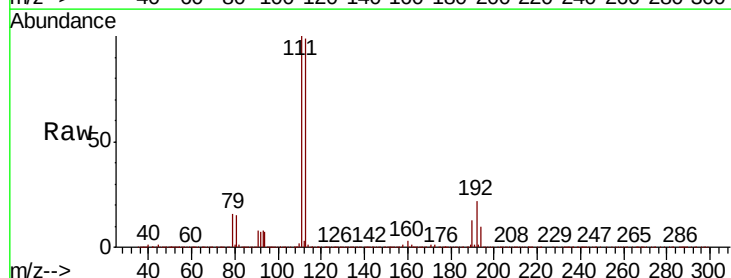
Tgt Ion:113 Resp: 311983

Ion Ratio Lower Upper

113 100

111 103.2 83.6 125.4

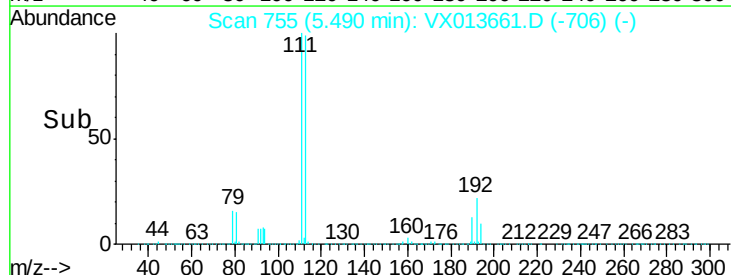
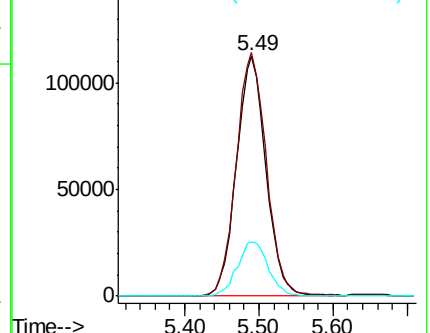
192 24.1 19.2 28.8

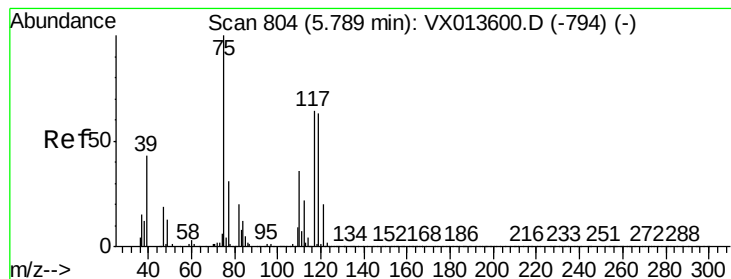


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.440 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

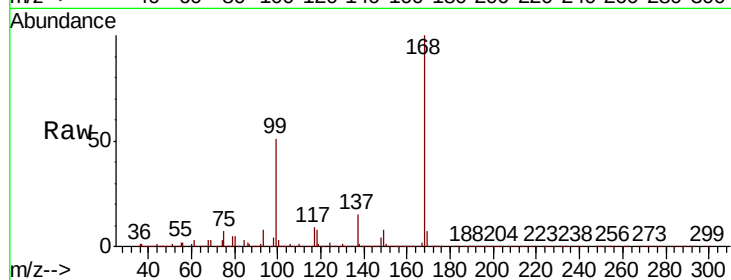
Tot Ion: 75 Resp: 42288

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

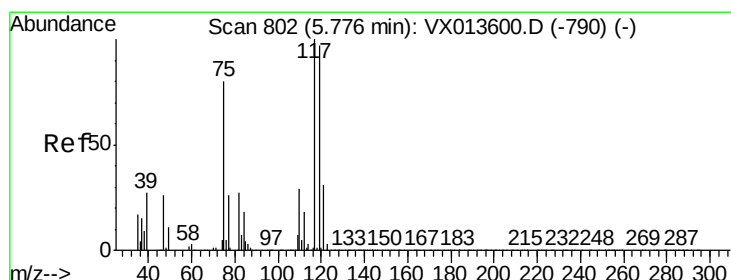
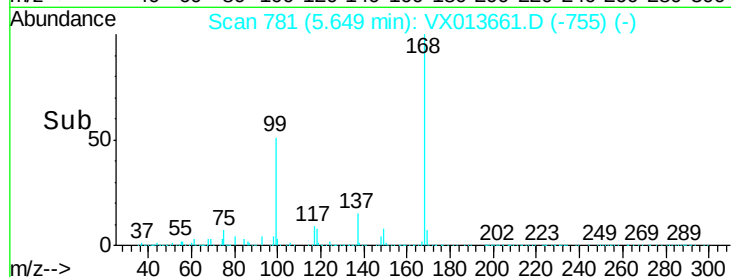
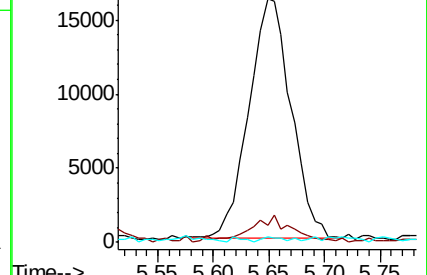
77 1.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.584 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

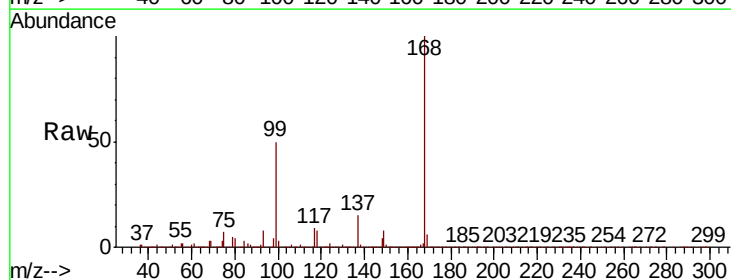
Tgt Ion: 117 Resp: 57820

Ion Ratio Lower Upper

117 100

119 2.7 77.5 116.3#

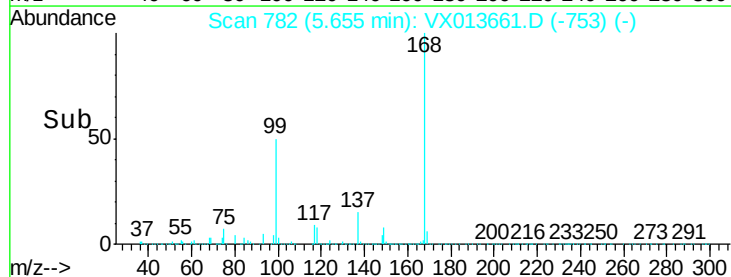
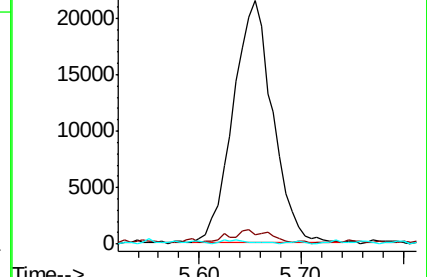
121 0.1 25.0 37.6#

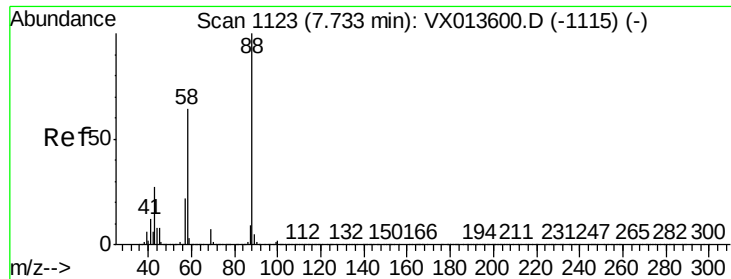


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.558 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

MW-7

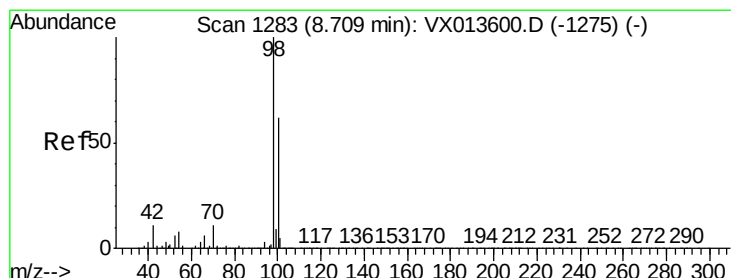
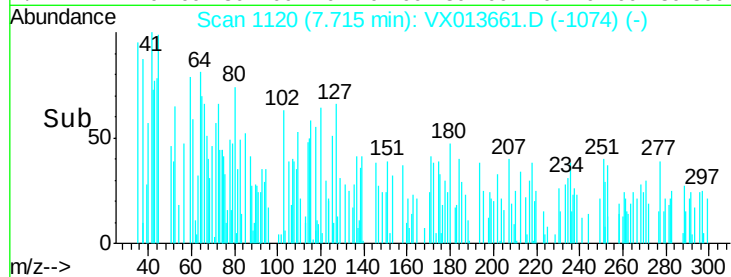
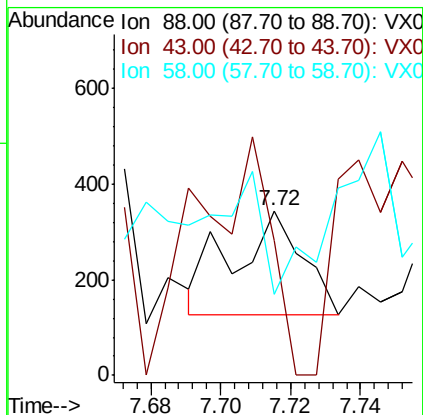
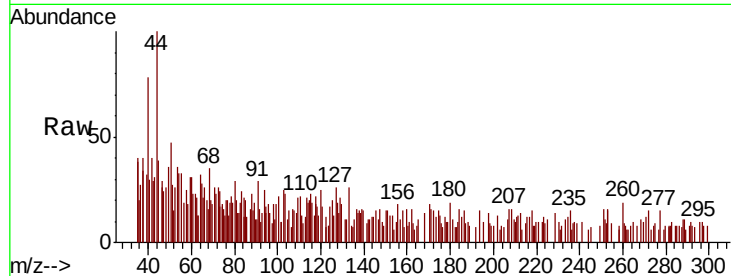
Tot Ion: 88 Resp: 298

Ion Ratio Lower Upper

88 100

43 243.6 25.8 38.6#

58 0.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013661.D

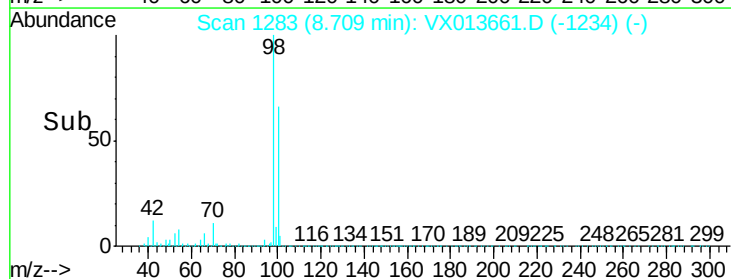
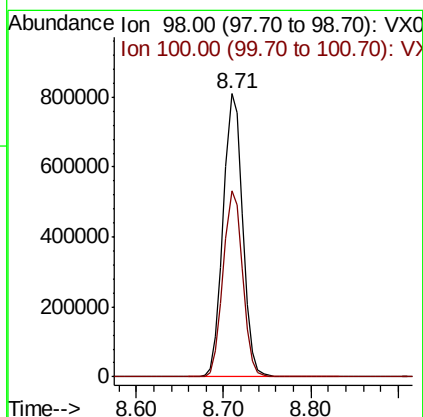
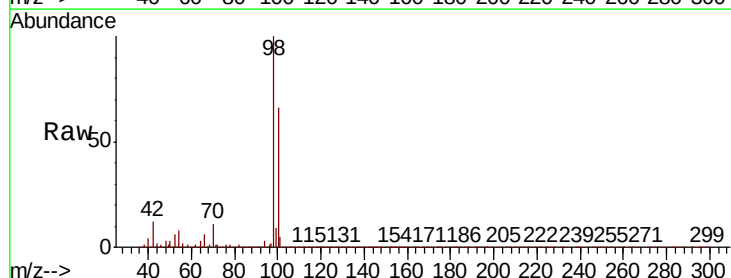
Acq: 27 Nov 2019 18:57

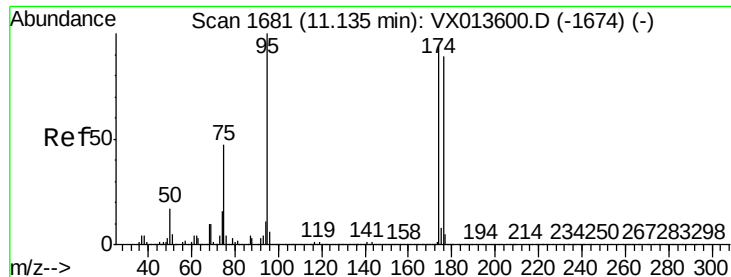
Tgt Ion: 98 Resp: 1246210

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.560 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

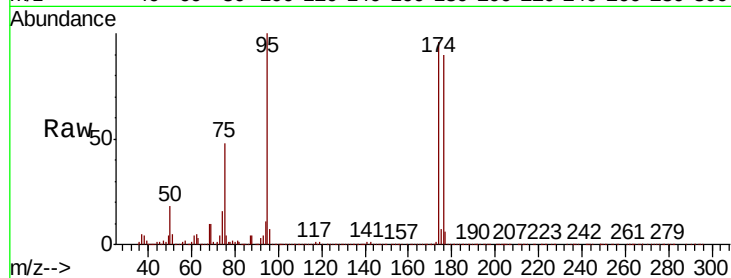
Tot Ion: 95 Resp: 415200

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.0

176 86.6 0.0 173.6

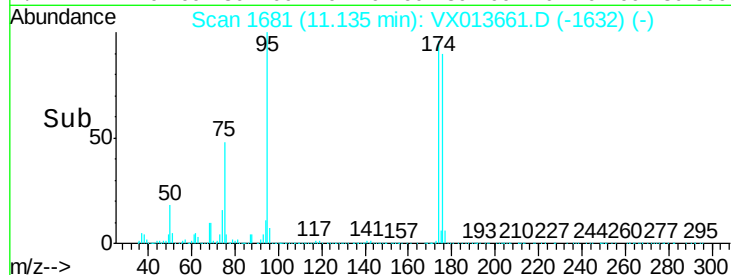


Abundance Ion 94.90 (94.60 to 95.60): VX0

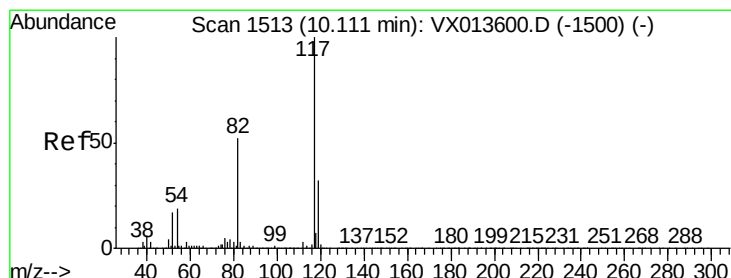
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

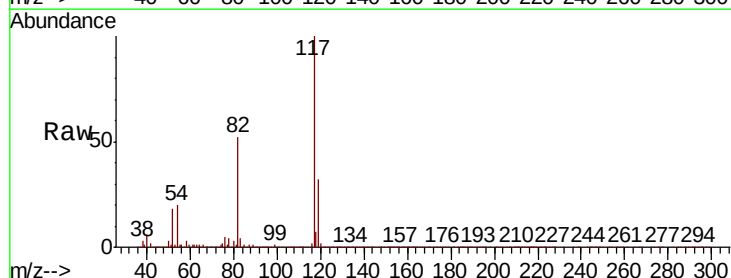
Tgt Ion: 117 Resp: 937735

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

119 31.9 25.8 38.8

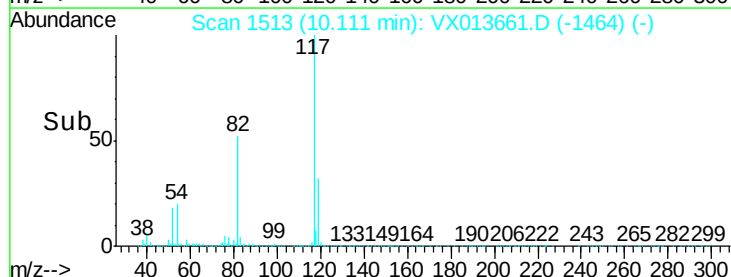


Abundance Ion 116.90 (116.60 to 117.60): V

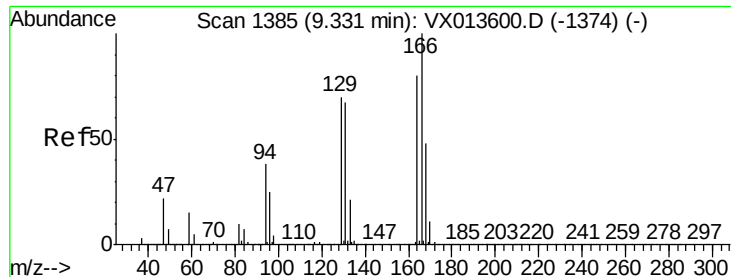
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 0.766 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion:164 Resp: 5360

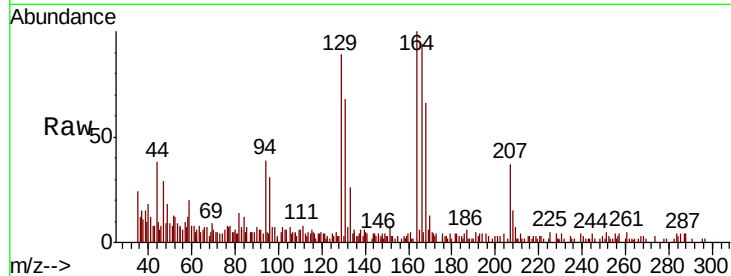
Ion Ratio Lower Upper

164 100

166 92.6 99.7 149.5#

129 85.8 70.1 105.1

131 61.0 66.9 100.3#

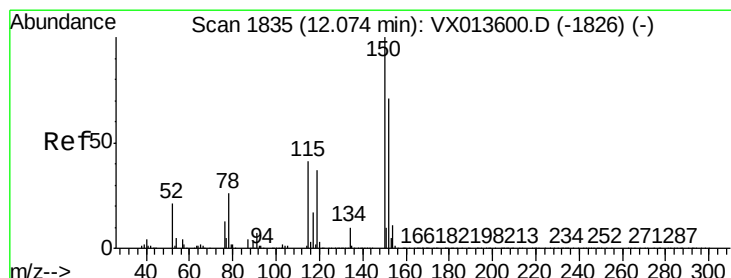
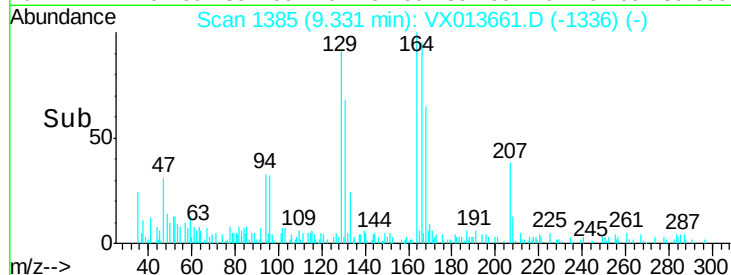
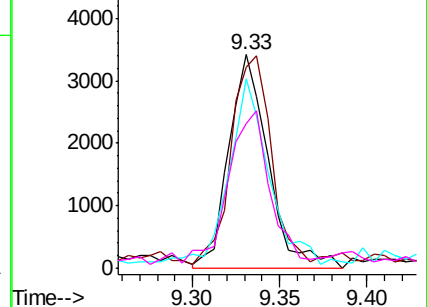


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

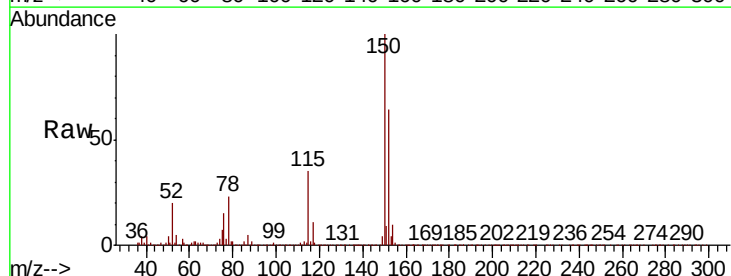
Tgt Ion:152 Resp: 412493

Ion Ratio Lower Upper

152 100

115 54.8 38.4 115.1

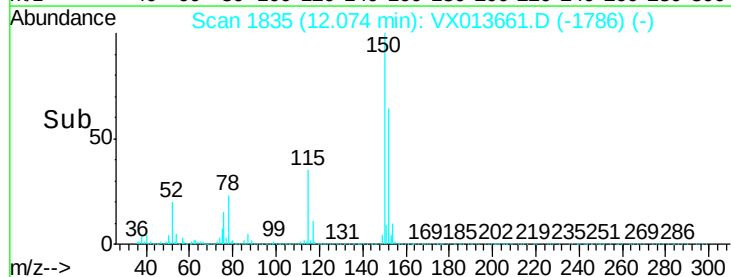
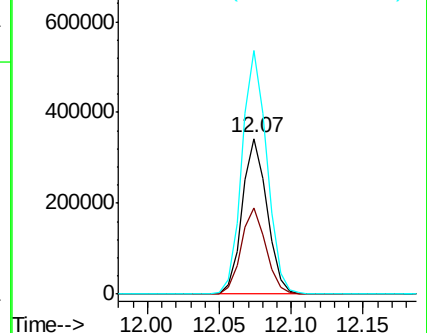
150 156.9 0.0 346.8

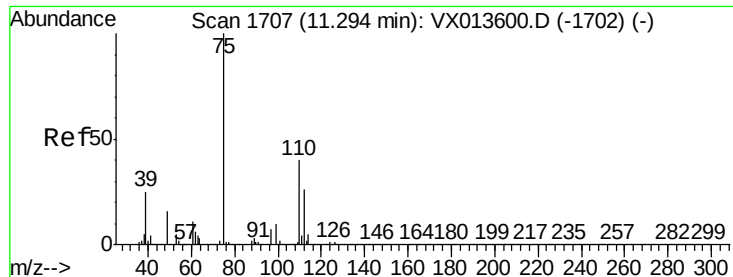


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.842 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

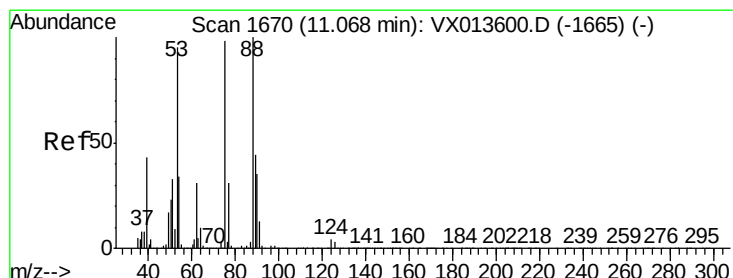
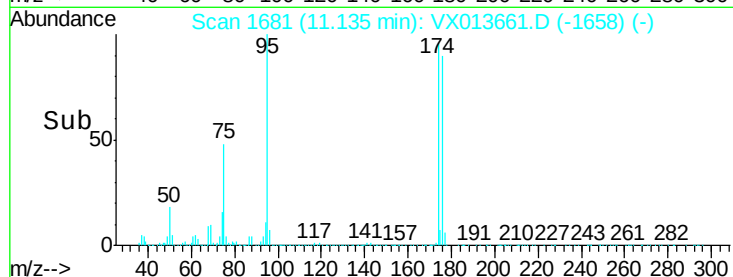
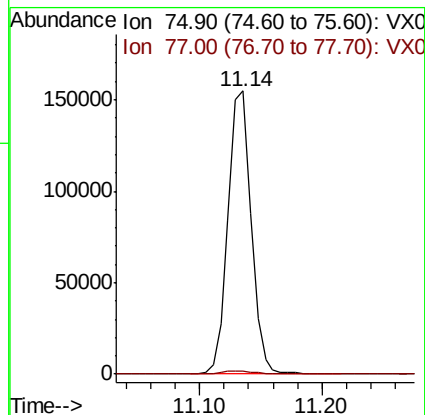
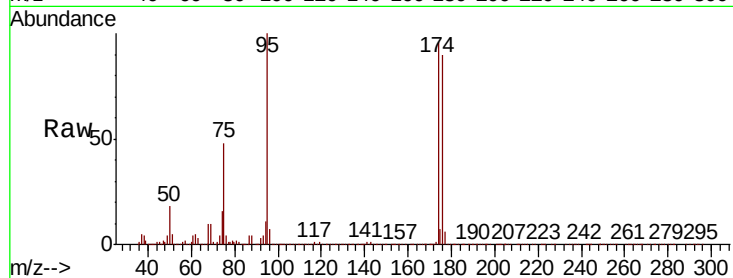
MW-7

Tot Ion: 75 Resp: 202639

Ion Ratio Lower Upper

75 100

77 2.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.755 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013661.D

Acq: 27 Nov 2019 18:57

Tgt Ion: 75 Resp: 202639

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#

