

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010680.D
 Acq On : 04 Jul 2019 10:12
 Operator : JC/SP
 Sample : K3669-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

Quant Time: Jul 05 04:14:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118273	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
35) Dibromofluoromethane	5.50	113	111737	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	435512	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	150428	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

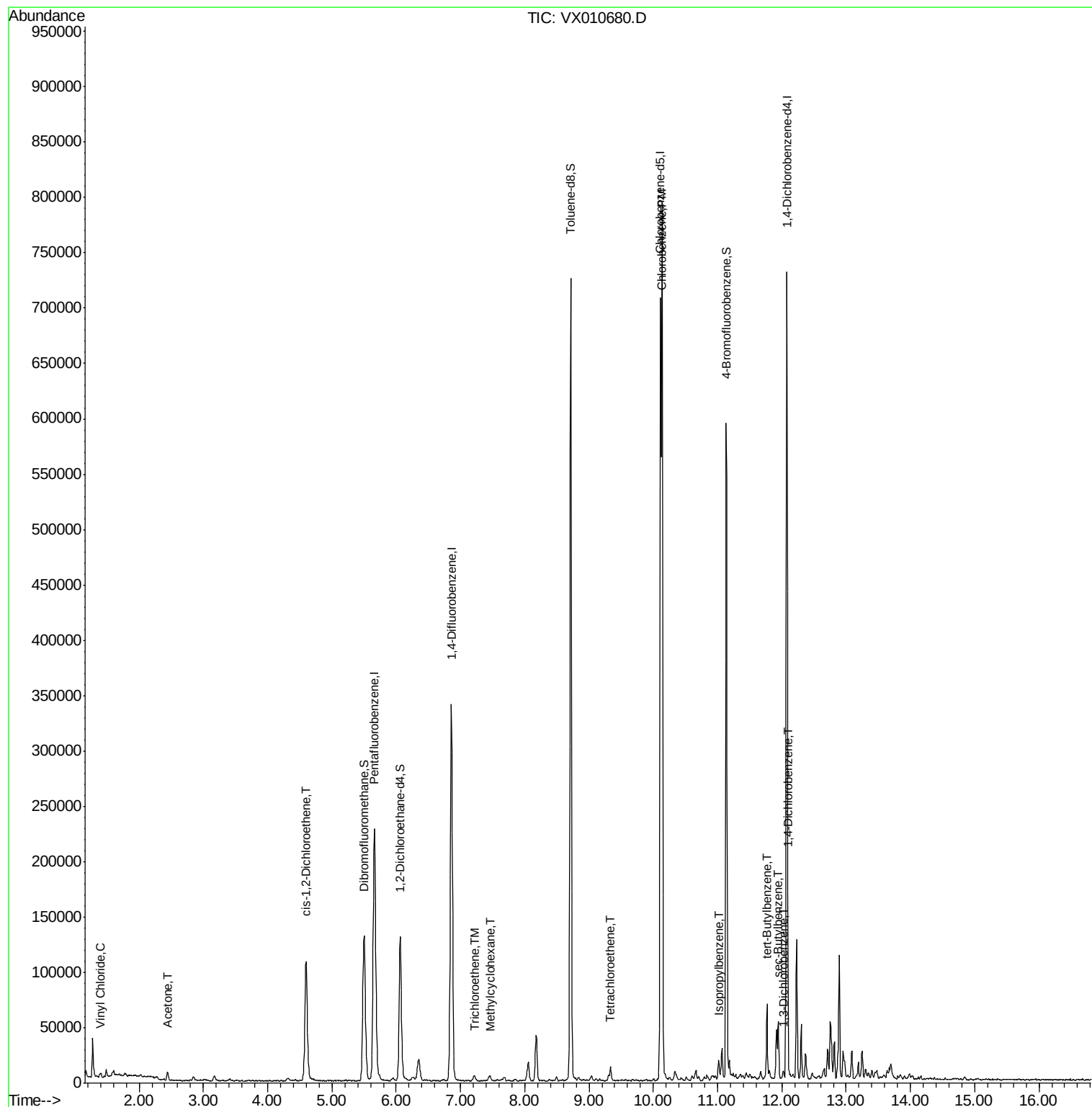
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	1903	0.904	ug/l #	86
16) Acetone	2.44	43	8335	7.472	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	75110	29.370	ug/l	91
39) Methylcyclohexane	7.46	83	1727	0.452	ug/l	90
44) Trichloroethene	7.21	130	1764	0.651	ug/l	83
64) Tetrachloroethene	9.34	164	2177	0.799	ug/l	87
65) Chlorobenzene	10.14	112	356679	52.131	ug/l	100
73) Isopropylbenzene	11.02	105	8564	0.810	ug/l	99
83) tert-Butylbenzene	11.77	119	25363	2.899	ug/l	89
85) sec-Butylbenzene	11.94	105	26217	2.552	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	1622	0.315	ug/l	88
88) 1,4-Dichlorobenzene	12.10	146	4453	0.849	ug/l #	58

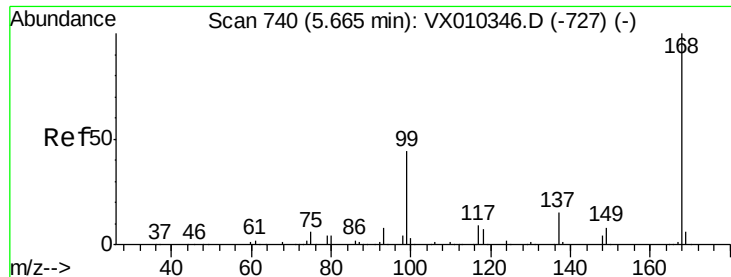
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

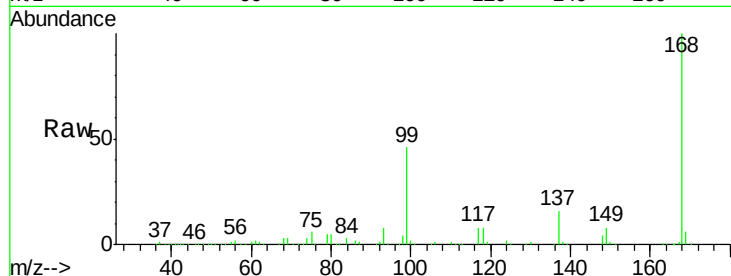
SS038RW151-190702

Tot Ion:168 Resp: 237392

Ion Ratio Lower Upper

168 100

99 45.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

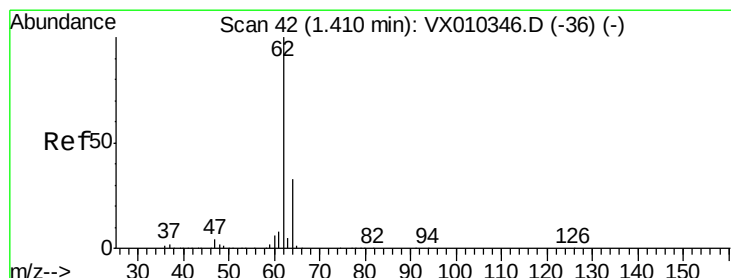
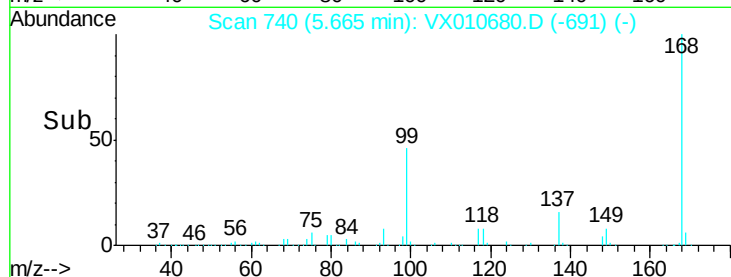
40000

20000

0

5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.904 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010680.D

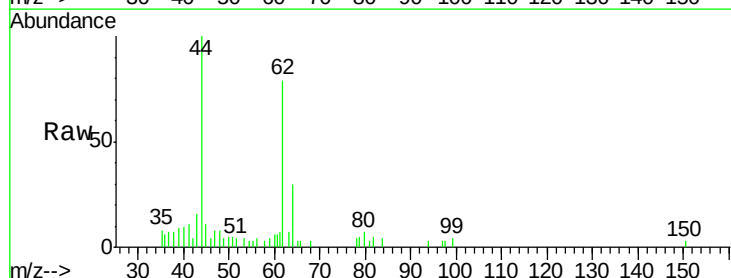
Acq: 04 Jul 2019 10:12

Tgt Ion: 62 Resp: 1903

Ion Ratio Lower Upper

62 100

64 25.0 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

1500

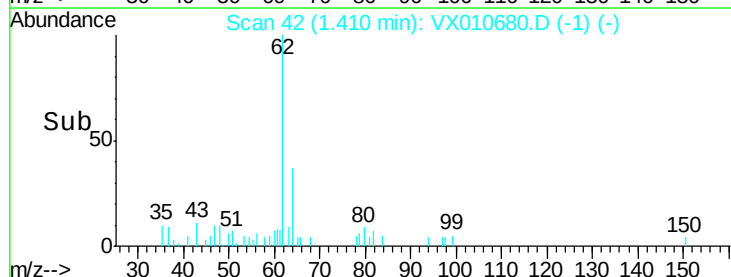
1000

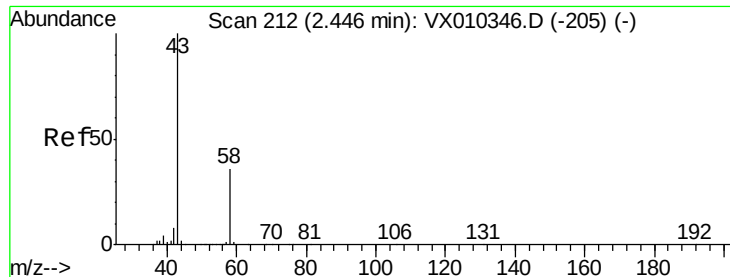
500

0

1.35 1.40 1.45

Time-->





#16

Acetone

Concen: 7.472 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

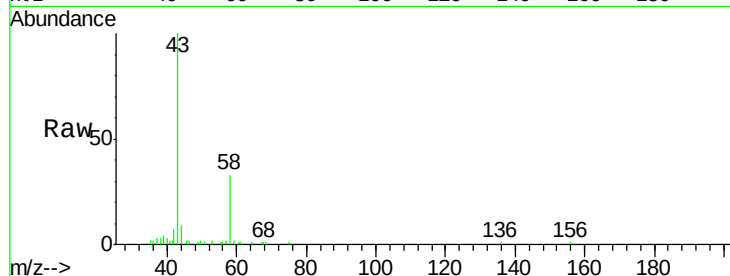
SS038RW151-190702

Tot Ion: 43 Resp: 8335

Ion Ratio Lower Upper

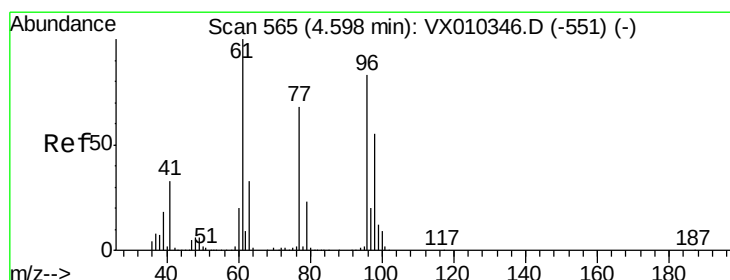
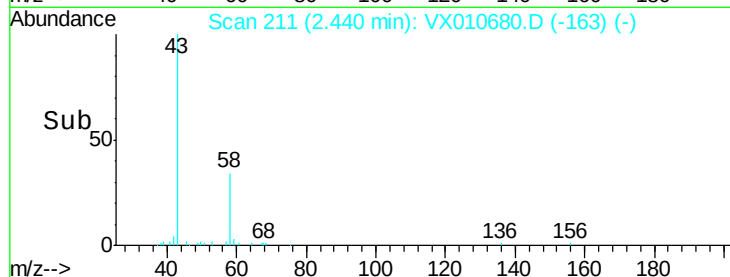
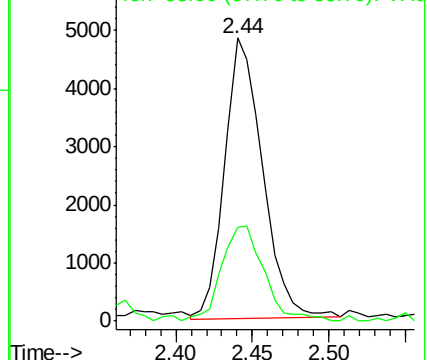
43 100

58 33.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 29.370 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

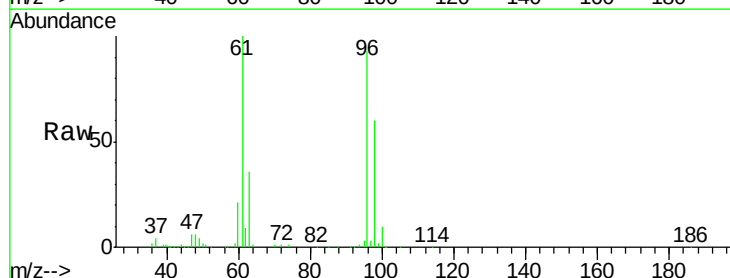
Tgt Ion: 96 Resp: 75110

Ion Ratio Lower Upper

96 100

61 111.8 0.0 251.8

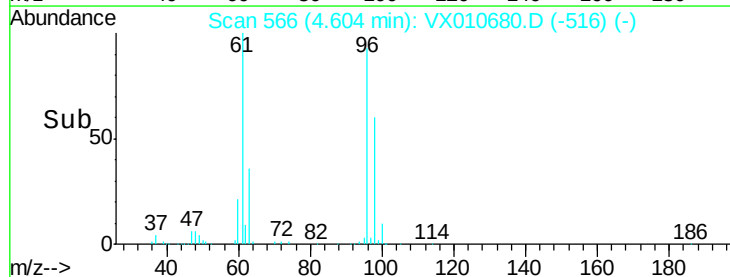
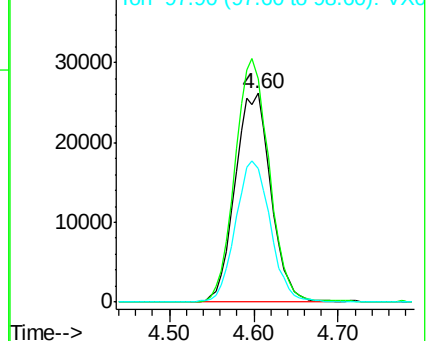
98 65.8 0.0 129.4

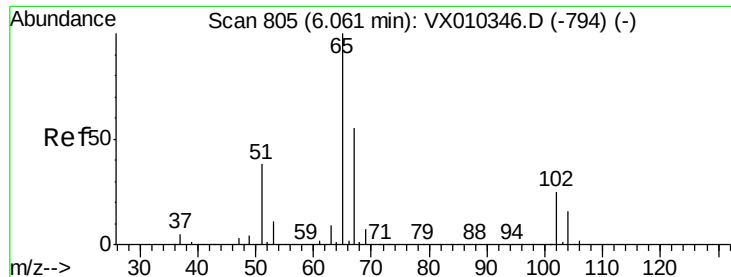


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

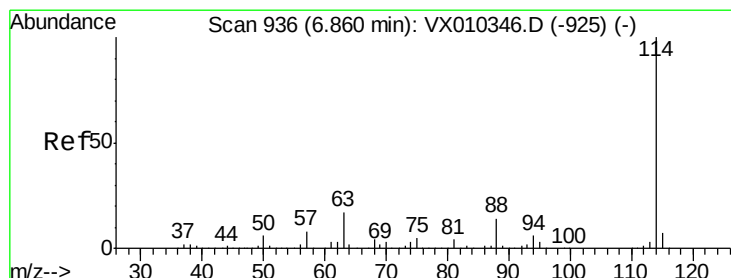
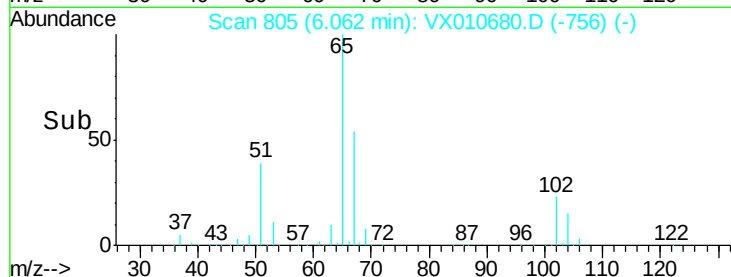
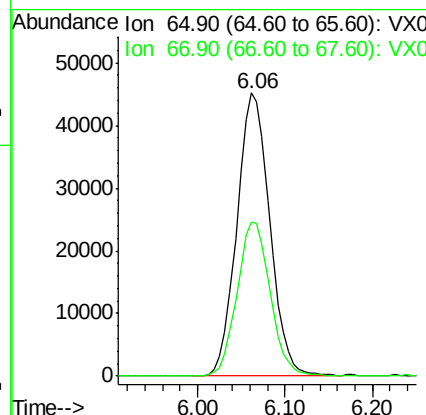
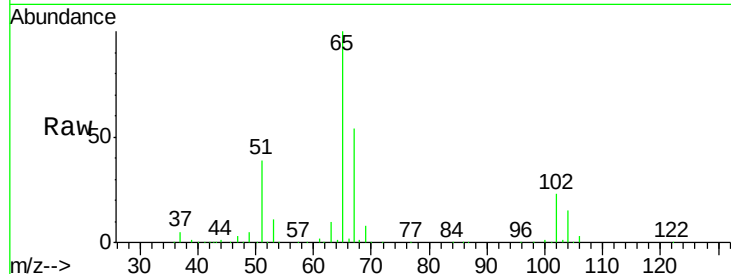




#33
 1,2-Dichloroethane-d4
 Concen: 53.138 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010680.D
 Acq: 04 Jul 2019 10:12

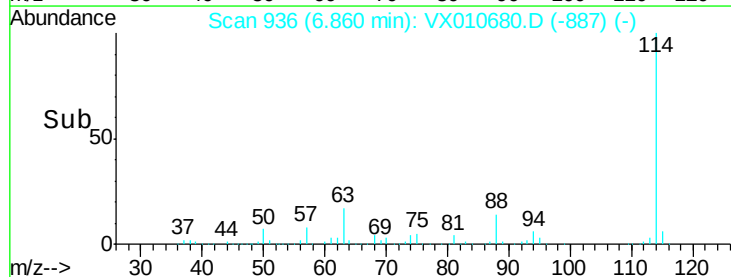
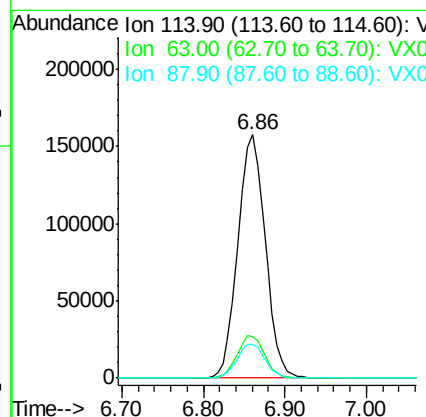
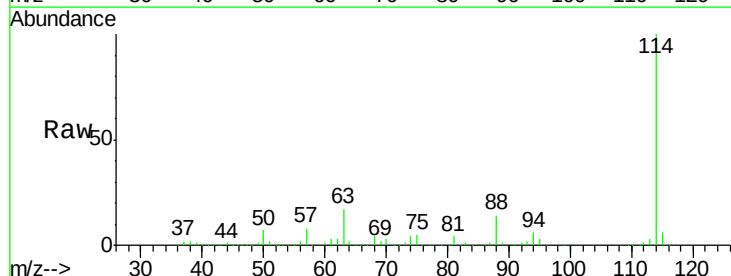
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

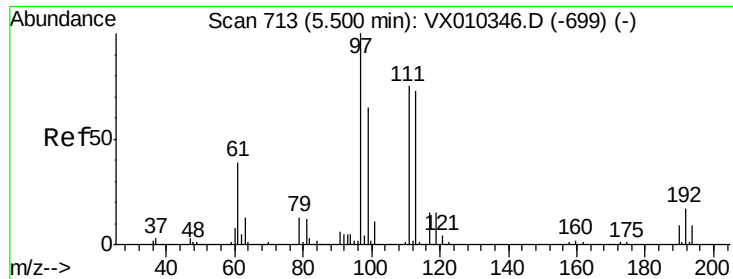
Tot Ion: 65 Resp: 118273
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010680.D
 Acq: 04 Jul 2019 10:12

Tgt Ion: 114 Resp: 366021
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.8
 88 13.8 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.895 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

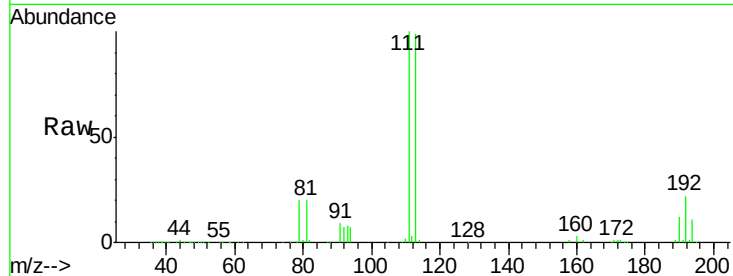
Tot Ion:113 Resp: 111737

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

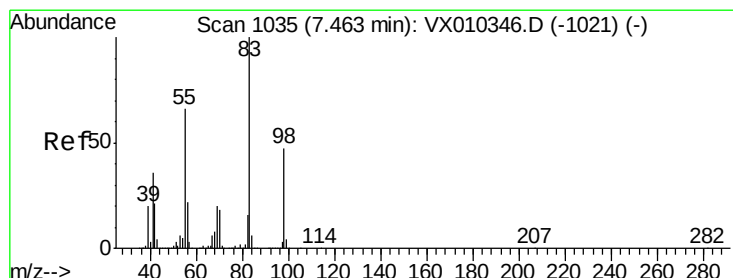
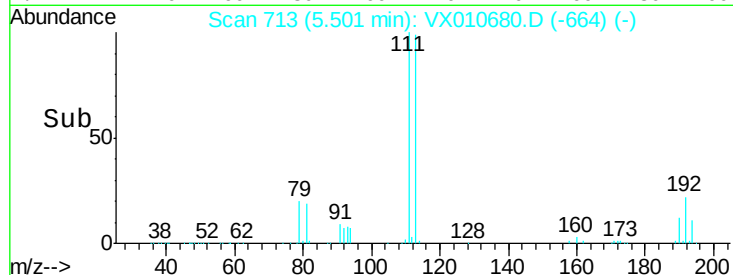
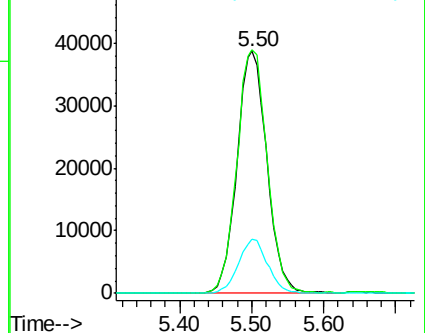
192 22.0 18.6 27.8



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



#39

Methylcyclohexane

Concen: 0.452 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

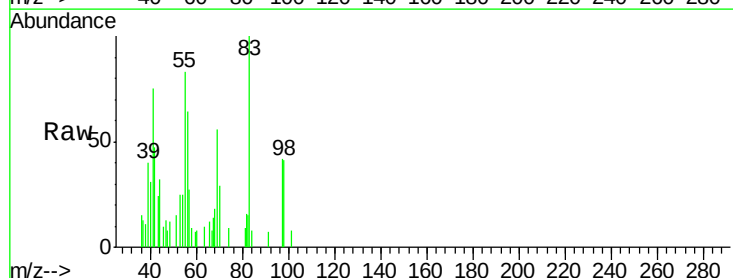
Tgt Ion: 83 Resp: 1727

Ion Ratio Lower Upper

83 100

55 74.6 53.0 79.6

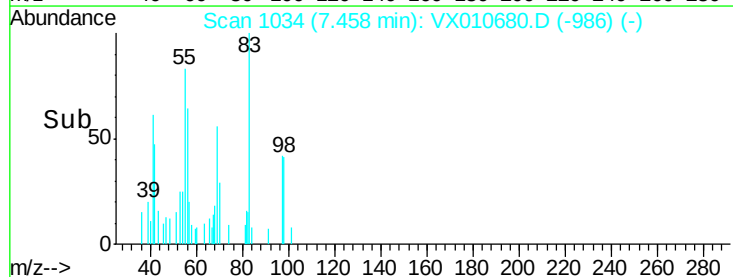
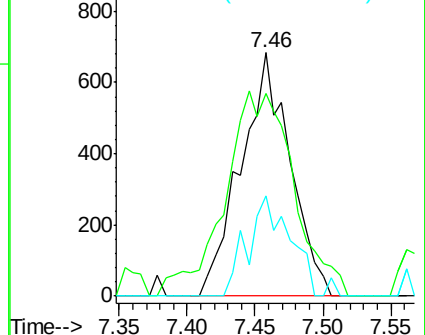
98 41.1 37.8 56.8

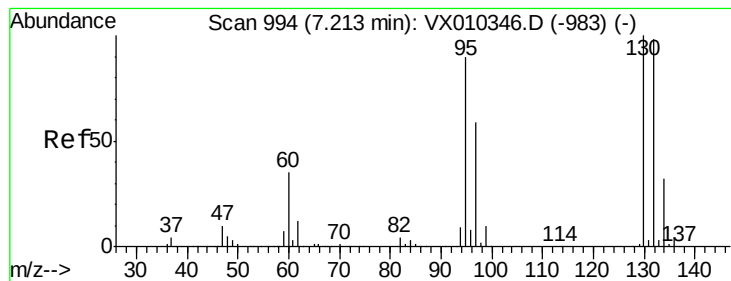


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 0.651 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

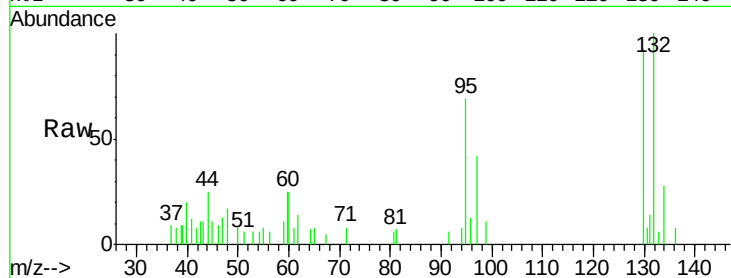
SS038RW151-190702

Tot Ion:130 Resp: 1764

Ion Ratio Lower Upper

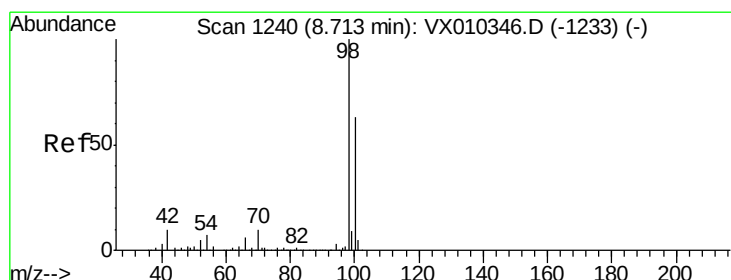
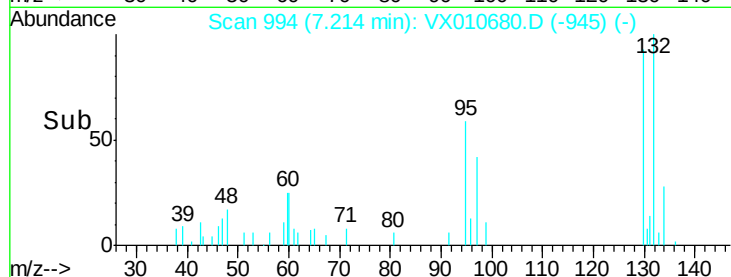
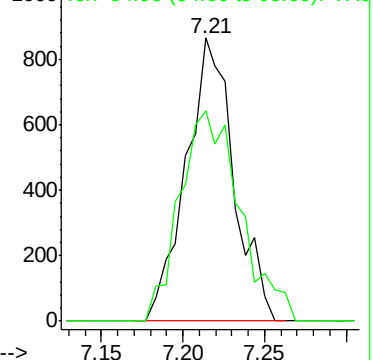
130 100

95 74.2 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.832 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010680.D

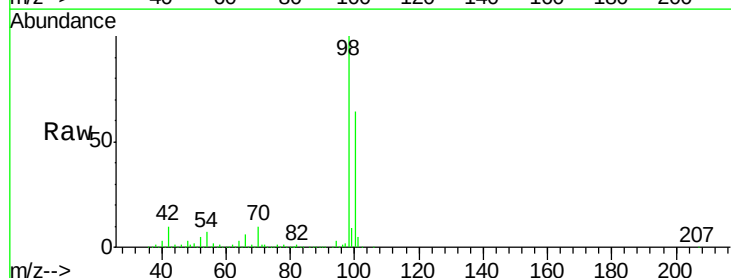
Acq: 04 Jul 2019 10:12

Tgt Ion: 98 Resp: 435512

Ion Ratio Lower Upper

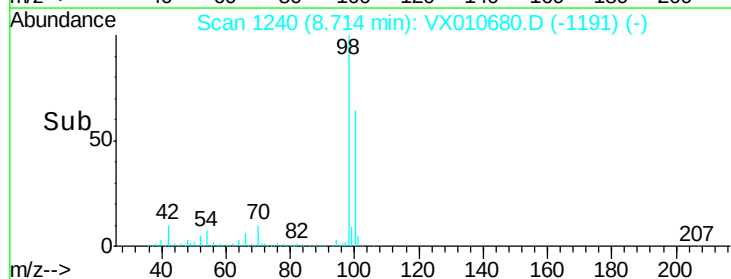
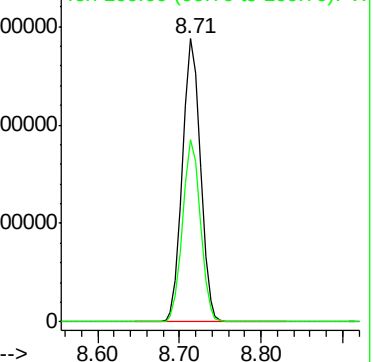
98 100

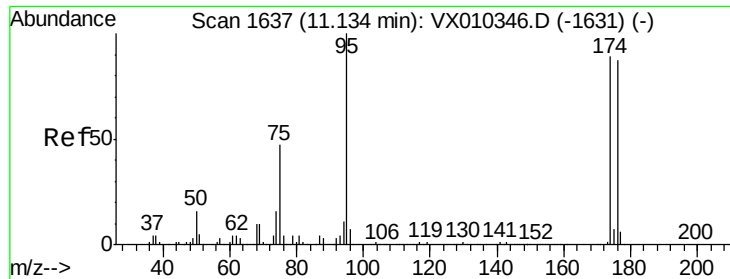
100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.632 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

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SS038RW151-190702

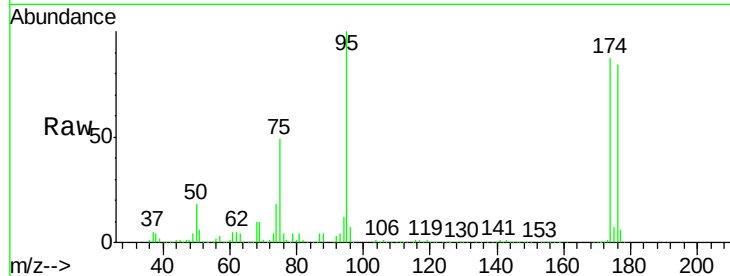
Tot Ion: 95 Resp: 150428

Ion Ratio Lower Upper

95 100

174 91.9 0.0 187.6

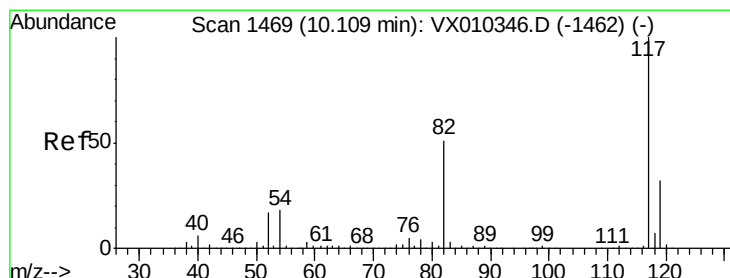
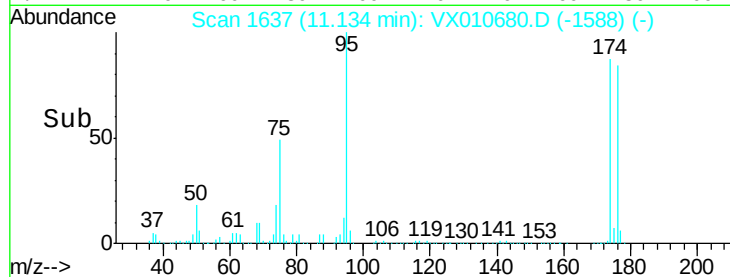
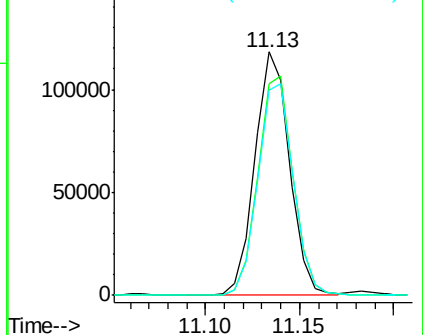
176 89.3 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

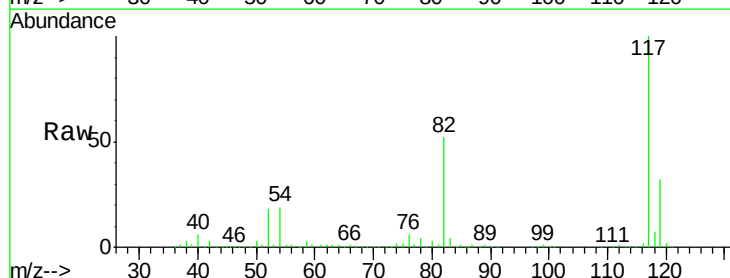
Tgt Ion: 117 Resp: 337013

Ion Ratio Lower Upper

117 100

82 52.2 41.2 61.8

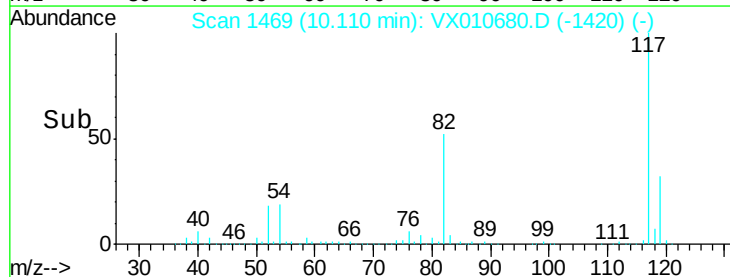
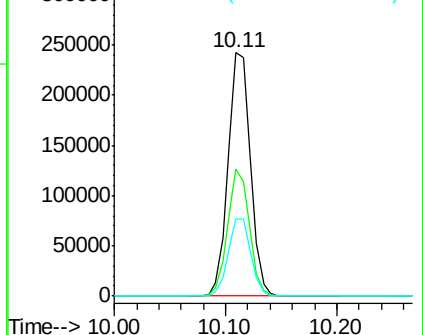
119 32.0 25.5 38.3

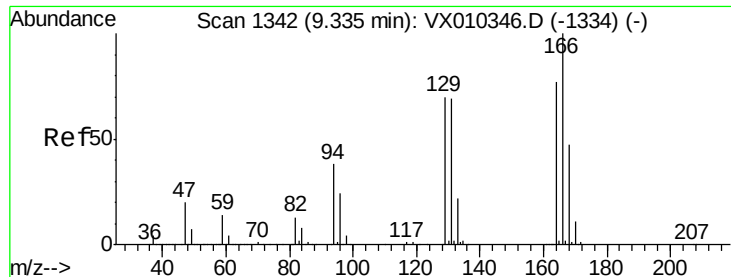


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.799 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

Tot Ion:164 Resp: 2177

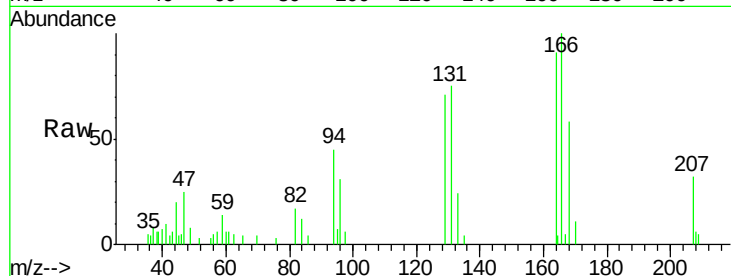
Ion Ratio Lower Upper

164 100

166 109.4 103.6 155.4

129 77.7 73.0 109.4

131 82.5 71.0 106.4

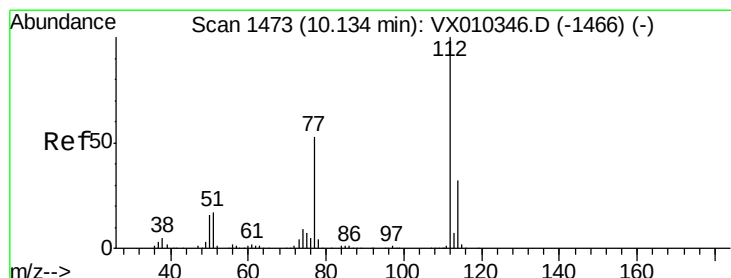
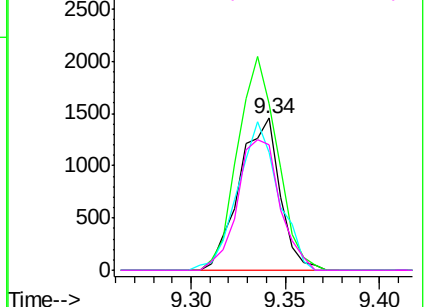
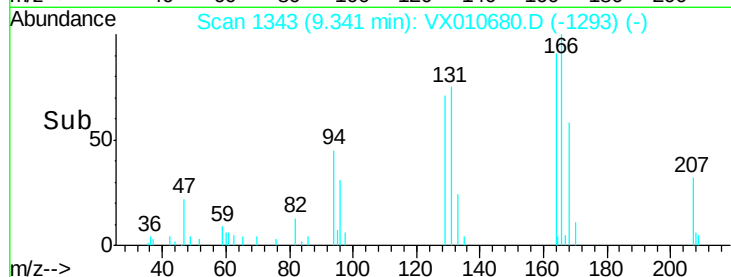


Abundance Ion 163.80 (163.50 to 164.50): V

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



#65

Chlorobenzene

Concen: 52.131 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010680.D

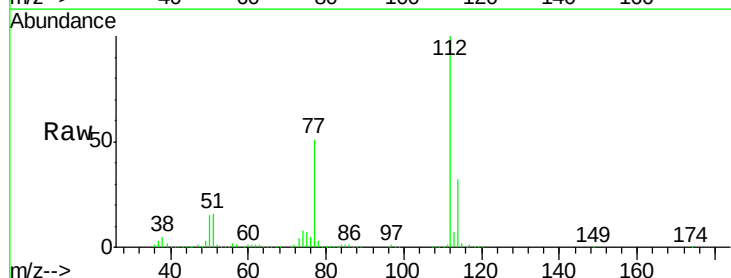
Acq: 04 Jul 2019 10:12

Tgt Ion:112 Resp: 356679

Ion Ratio Lower Upper

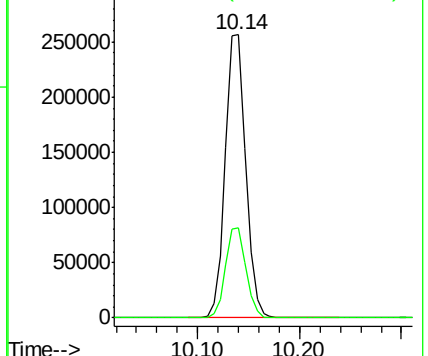
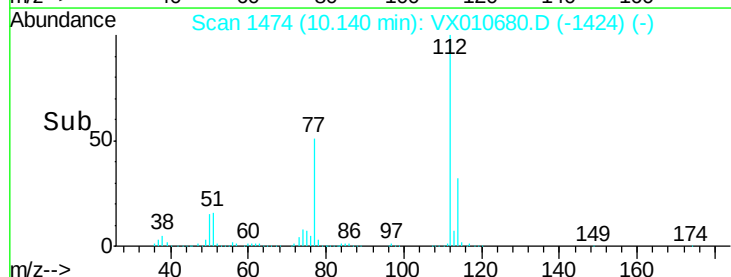
112 100

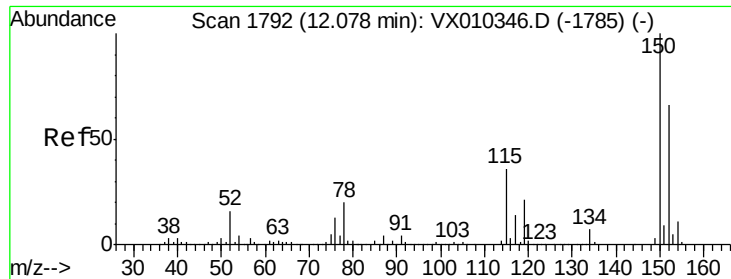
114 31.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010680.D

Acq: 04 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-190702

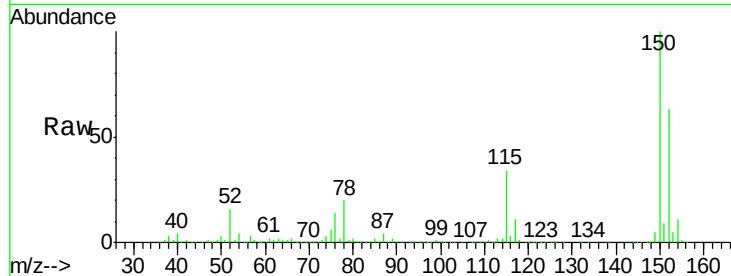
Tot Ion:152 Resp: 156001

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

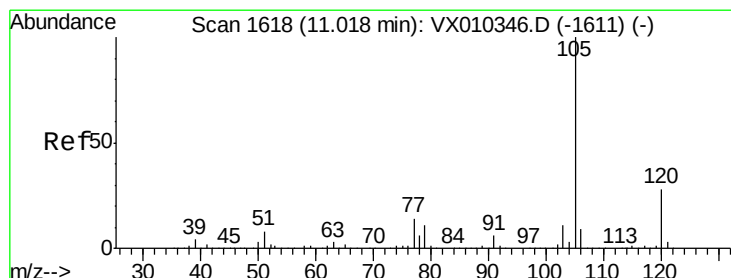
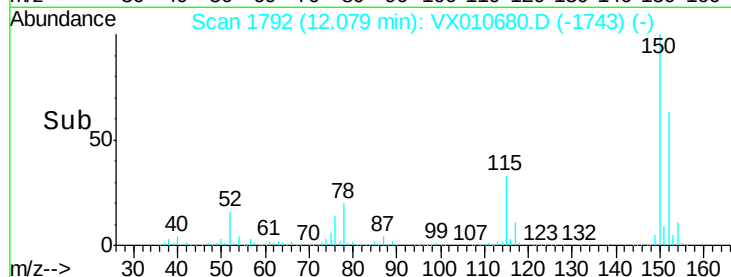
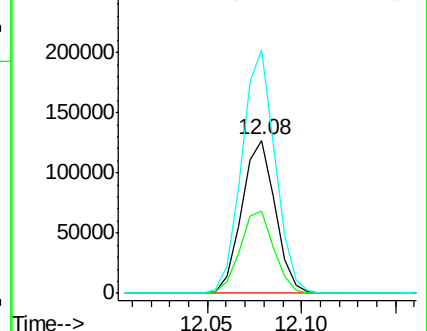
150 158.8 0.0 347.4



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



#73

Isopropylbenzene

Concen: 0.810 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010680.D

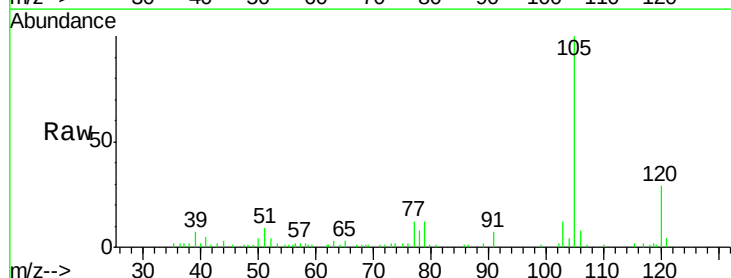
Acq: 04 Jul 2019 10:12

Tgt Ion:105 Resp: 8564

Ion Ratio Lower Upper

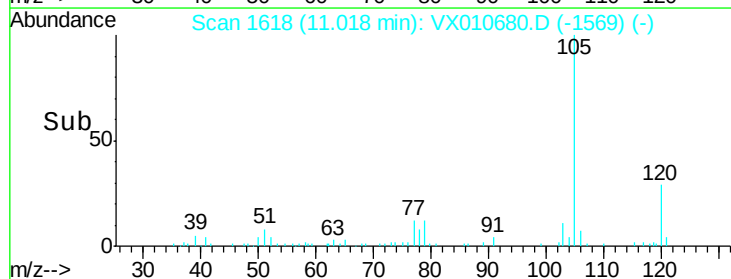
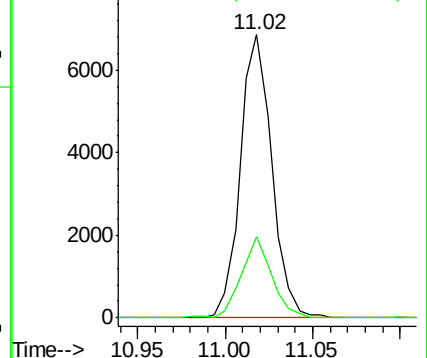
105 100

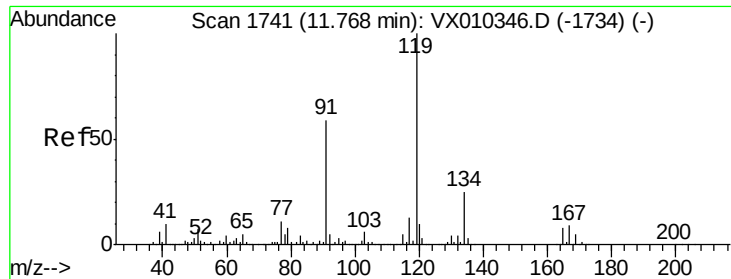
120 27.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

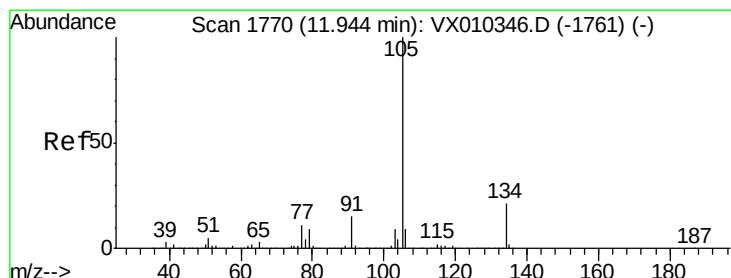
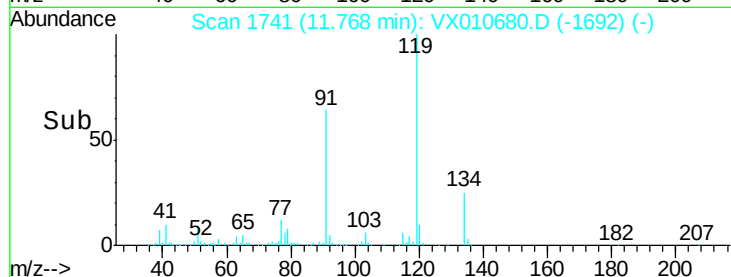
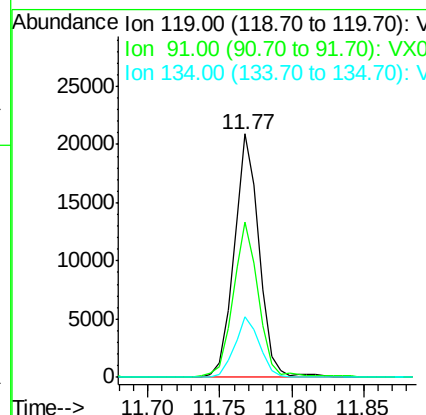
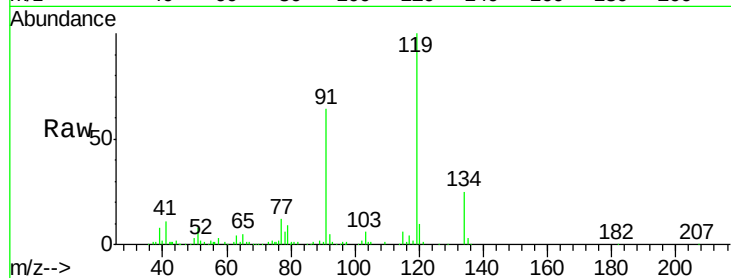




#83
tert-Butylbenzene
Concen: 2.899 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010680.D
Acq: 04 Jul 2019 10:12

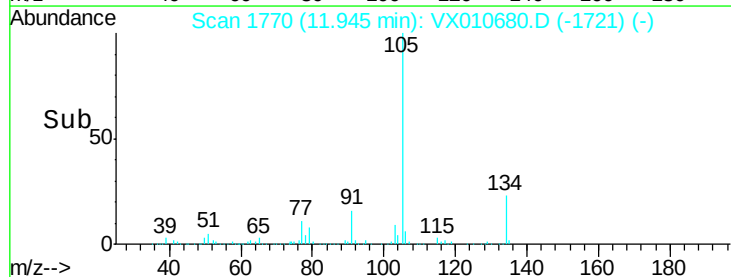
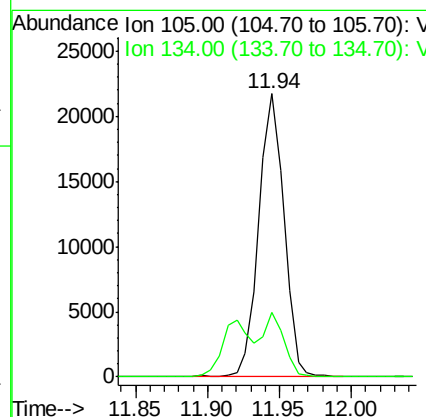
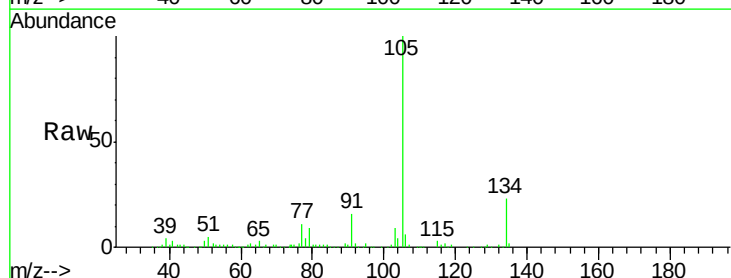
Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-190702

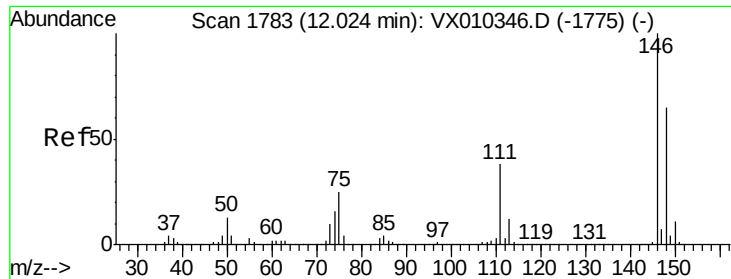
Tot Ion:119 Resp: 25363
Ion Ratio Lower Upper
119 100
91 65.8 27.6 82.7
134 24.6 11.8 35.4



#85
sec-Butylbenzene
Concen: 2.552 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010680.D
Acq: 04 Jul 2019 10:12

Tgt Ion:105 Resp: 26217
Ion Ratio Lower Upper
105 100
134 18.9 10.7 31.9

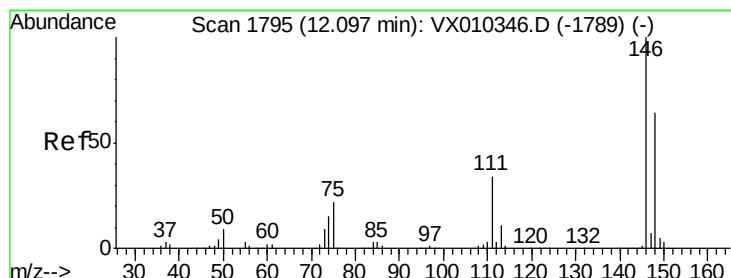
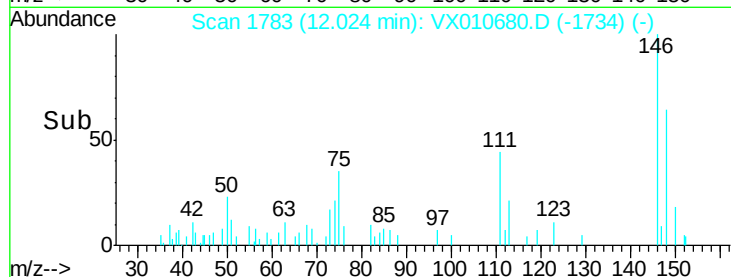
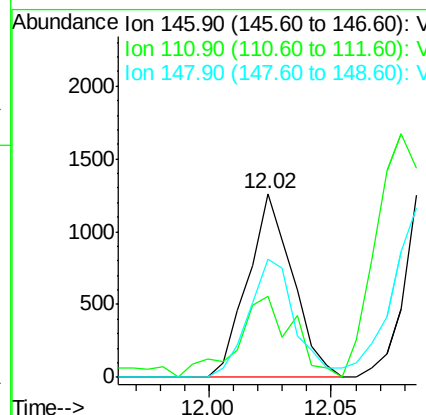
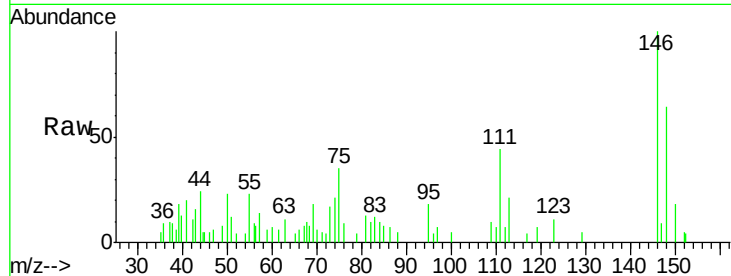




#87
 1,3-Dichlorobenzene
 Concen: 0.315 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010680.D
 Acq: 04 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-190702

Tot Ion:146 Resp: 1622
 Ion Ratio Lower Upper
 146 100
 111 54.4 19.1 57.1
 148 66.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 0.849 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010680.D
 Acq: 04 Jul 2019 10:12

Tgt Ion:146 Resp: 4453
 Ion Ratio Lower Upper
 146 100
 111 81.9 18.1 54.3#
 148 81.6 32.1 96.3

