

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070919\
 Data File : VX010748.D
 Acq On : 09 Jul 2019 14:14
 Operator : JC/SP
 Sample : K3669-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701

Quant Time: Jul 10 12:33:33 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	5.66	168	223638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	345750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154658	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	113057	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
35) Dibromofluoromethane	5.50	113	107247	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	8.71	98	418192	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.13	95	145054	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

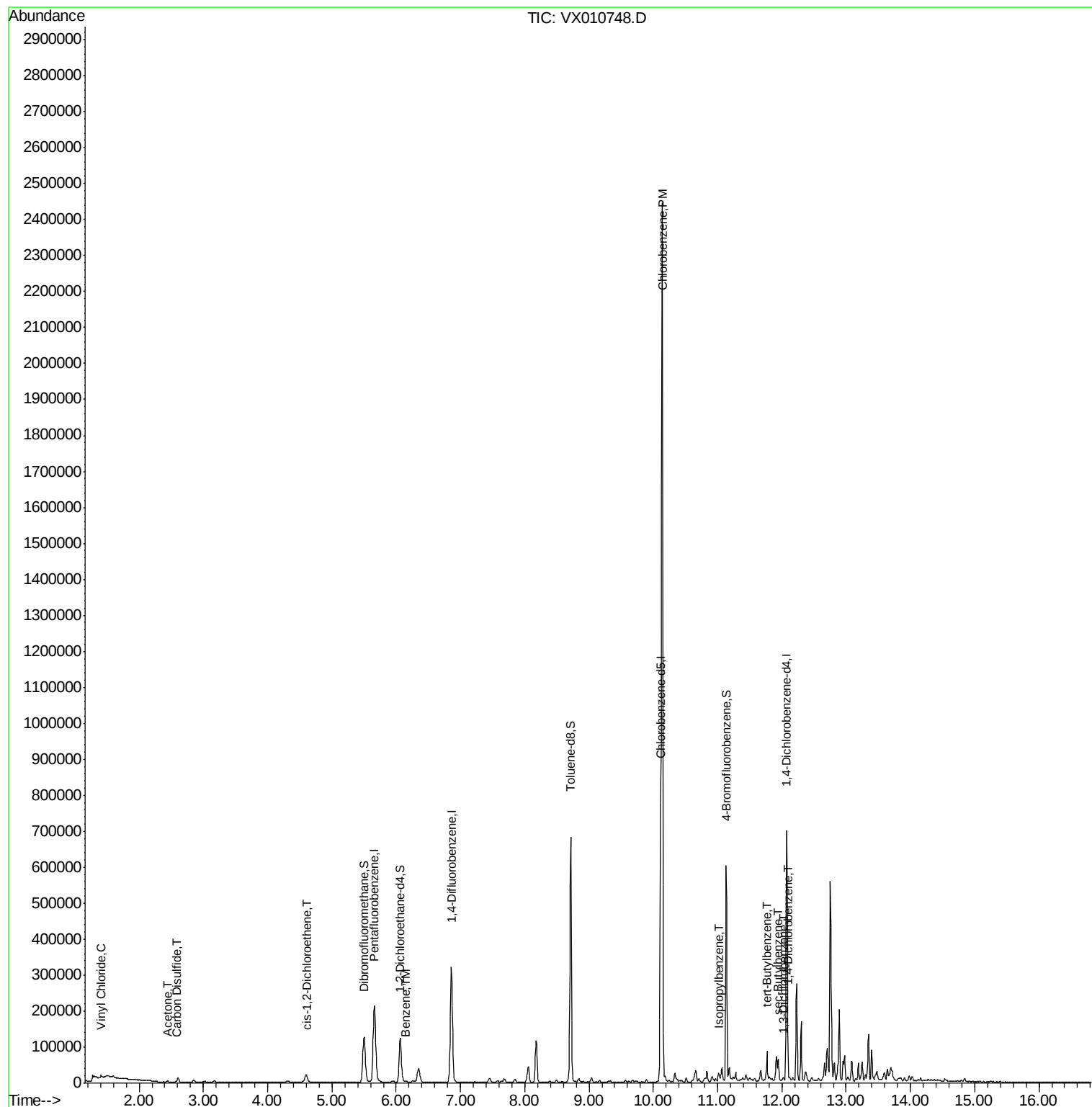
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	5391	2.719	ug/l #	78
16) Acetone	2.45	43	4144	3.943	ug/l	94
17) Carbon Disulfide	2.57	76	2264	0.435	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	15075	6.257	ug/l	93
40) Benzene	6.15	78	3912	0.457	ug/l	91
65) Chlorobenzene	10.14	112	1148788	175.535	ug/l	99
73) Isopropylbenzene	11.02	105	12335	1.177	ug/l	95
83) tert-Butylbenzene	11.77	119	29892	3.446	ug/l	89
85) sec-Butylbenzene	11.94	105	28597	2.808	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	1931	0.378	ug/l #	82
88) 1,4-Dichlorobenzene	12.10	146	3675	0.706	ug/l #	51

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

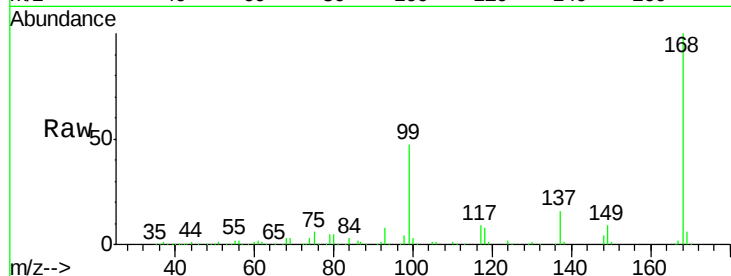
SS037MW036-190701

Tot Ion:168 Resp: 223638

Ion Ratio Lower Upper

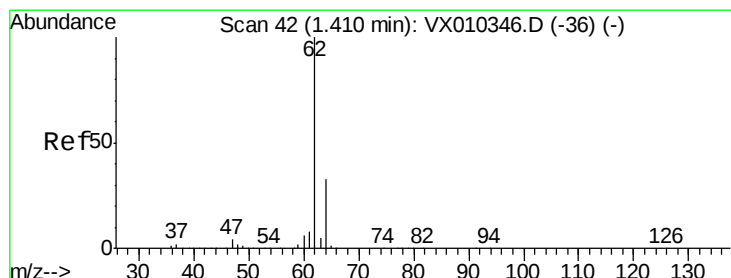
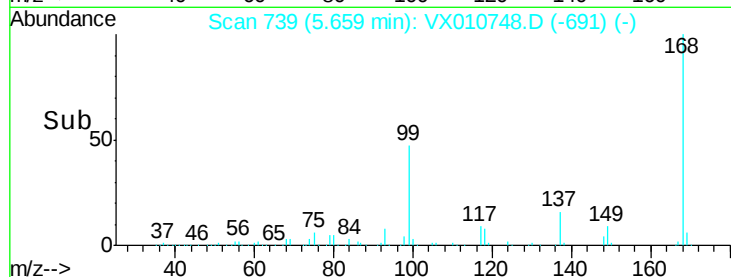
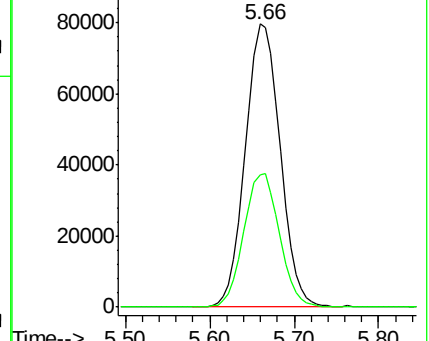
168 100

99 47.0 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2.719 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010748.D

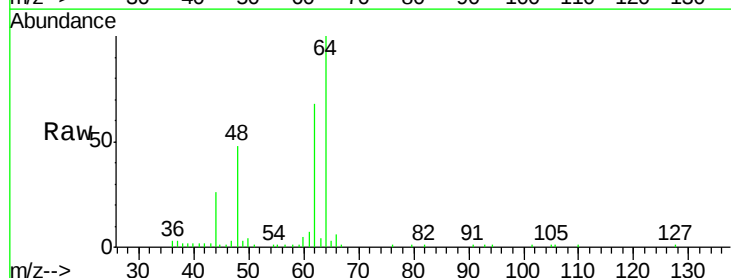
Acq: 09 Jul 2019 14:14

Tgt Ion: 62 Resp: 5391

Ion Ratio Lower Upper

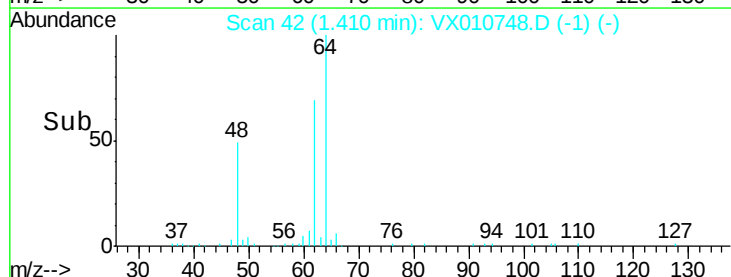
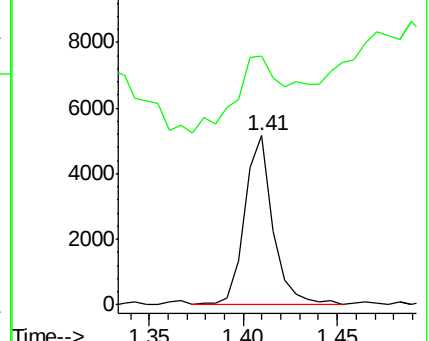
62 100

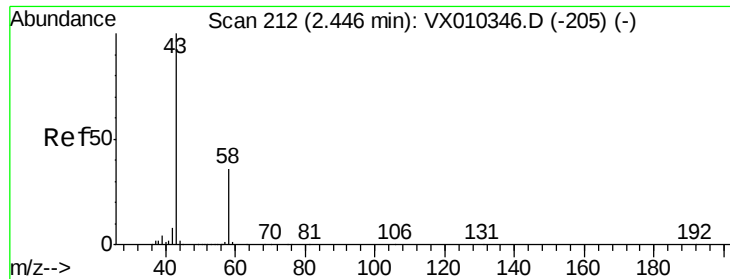
64 45.3 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 3.943 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

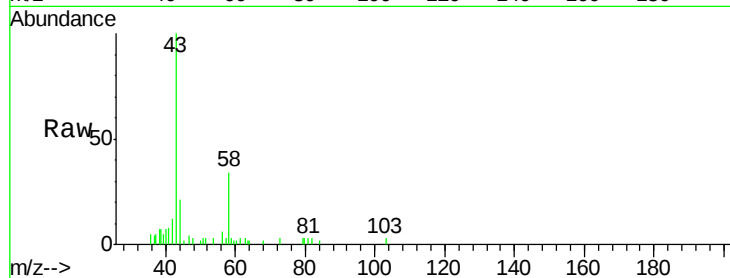
SS037MW036-190701

Tot Ion: 43 Resp: 4144

Ion Ratio Lower Upper

43 100

58 32.5 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

1500

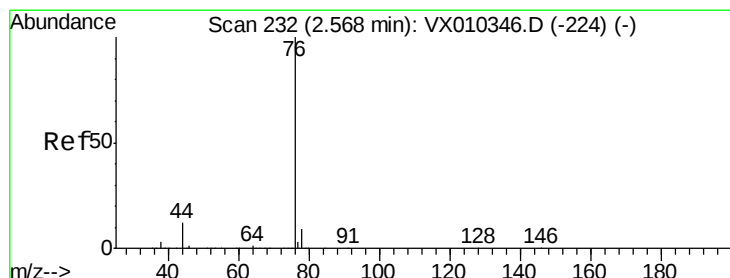
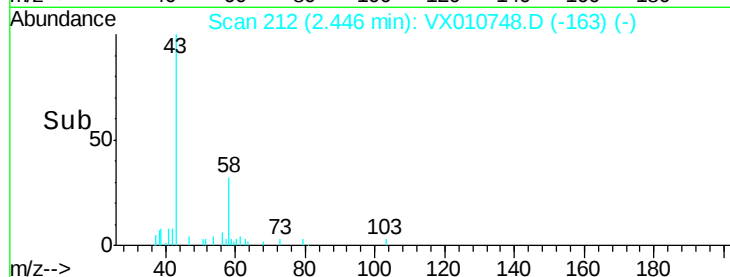
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.435 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010748.D

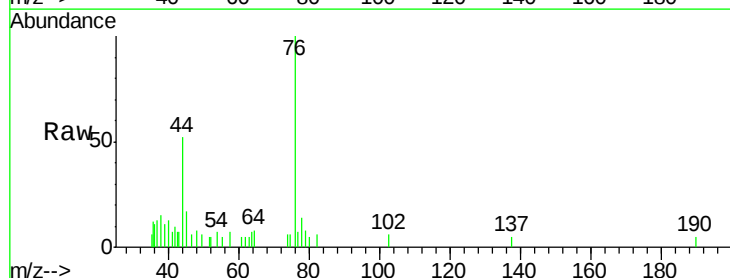
Acq: 09 Jul 2019 14:14

Tgt Ion: 76 Resp: 2264

Ion Ratio Lower Upper

76 100

78 13.6 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1200

1000

800

600

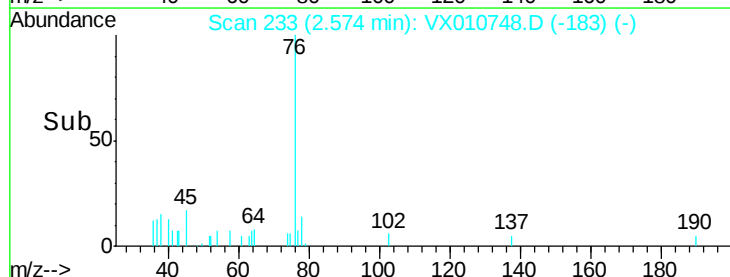
400

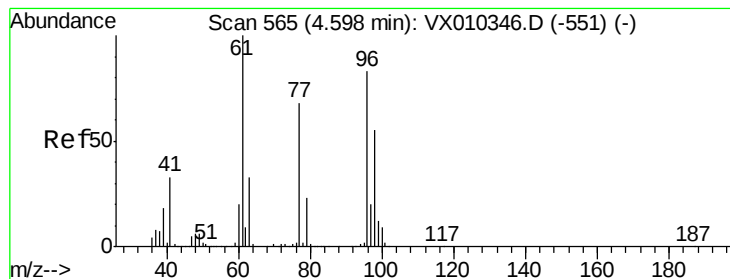
200

0

Time-->

2.50 2.55 2.60



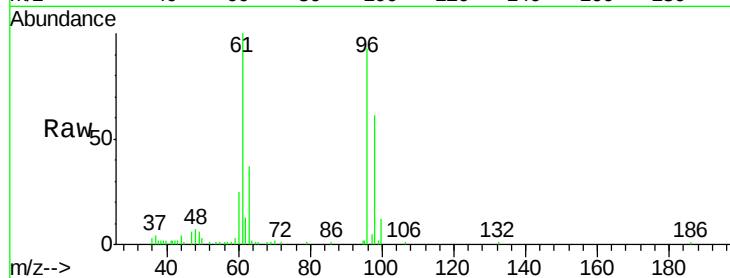


#27

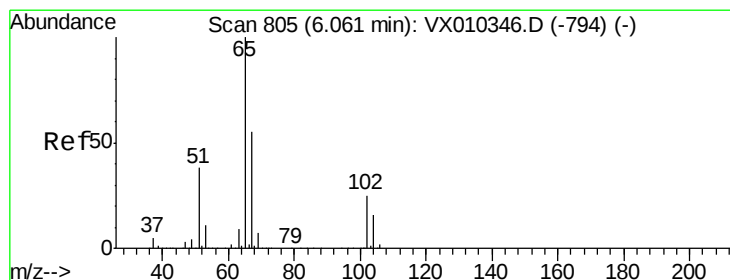
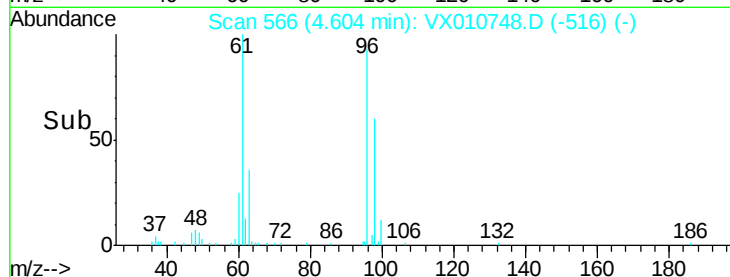
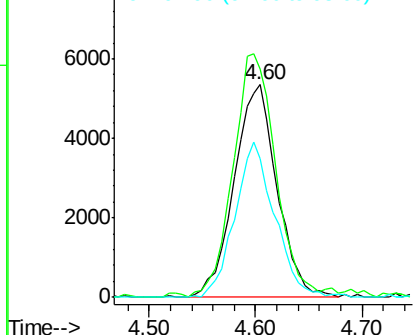
cis-1,2-Dichloroethene
 Concen: 6.257 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010748.D
 Acq: 09 Jul 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701

Tot Ion: 96 Resp: 15075
 Ion Ratio Lower Upper
 96 100
 61 115.7 0.0 251.8
 98 67.7 0.0 129.4



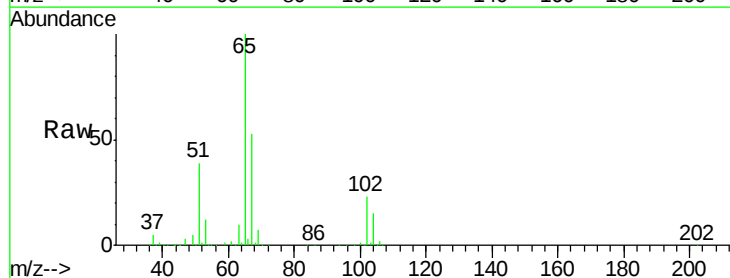
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



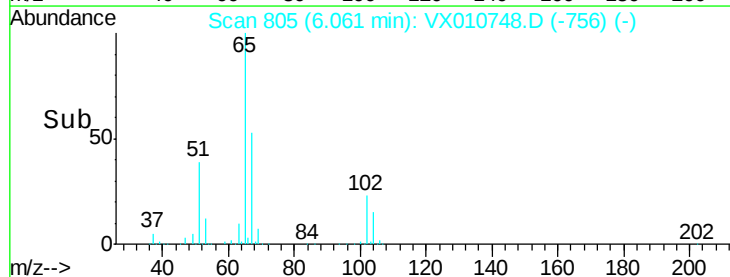
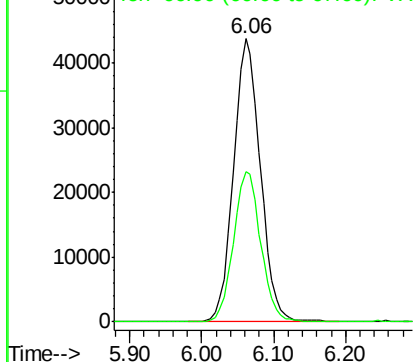
#33

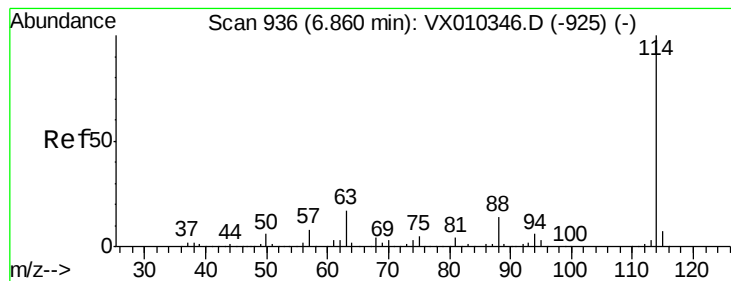
1,2-Dichloroethane-d4
 Concen: 53.918 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010748.D
 Acq: 09 Jul 2019 14:14

Tgt Ion: 65 Resp: 113057
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190701

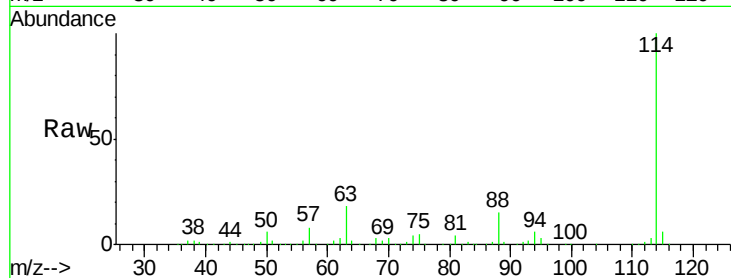
Tot Ion:114 Resp: 345750

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.8

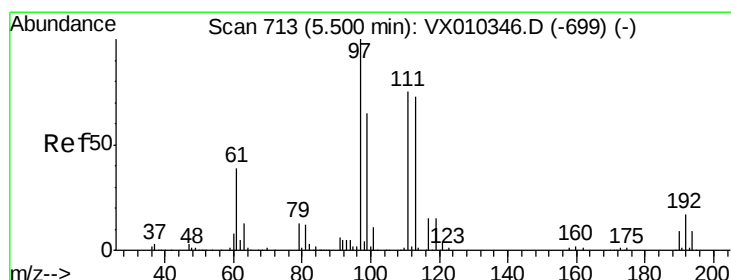
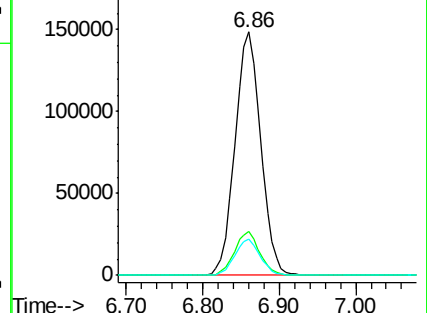
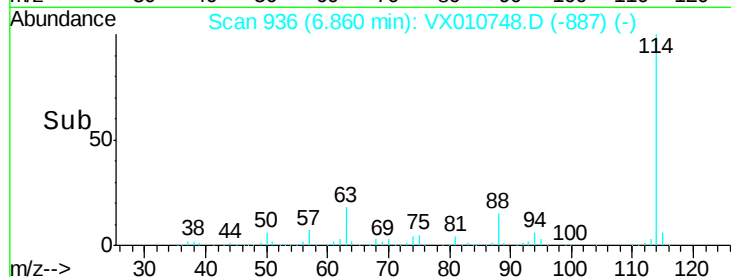
88 14.7 0.0 27.6



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: 50.698 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

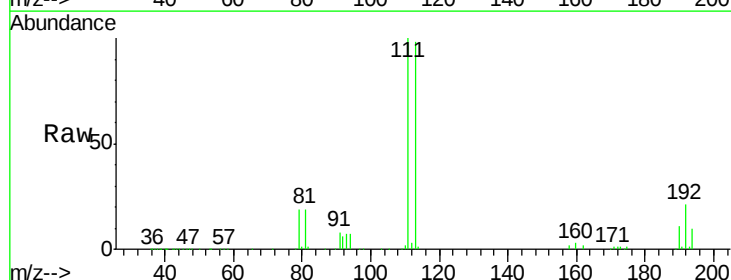
Tgt Ion:113 Resp: 107247

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

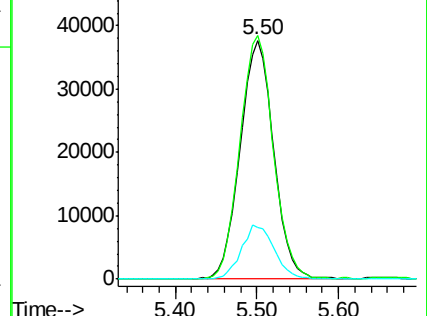
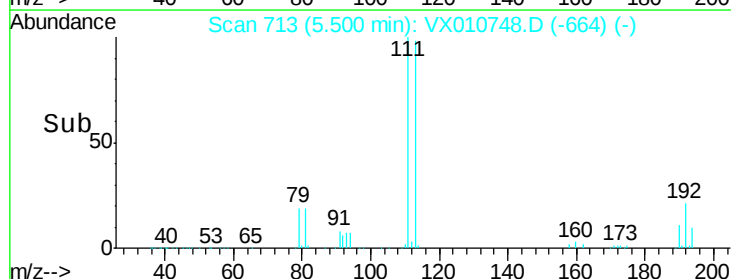
192 22.2 18.6 27.8

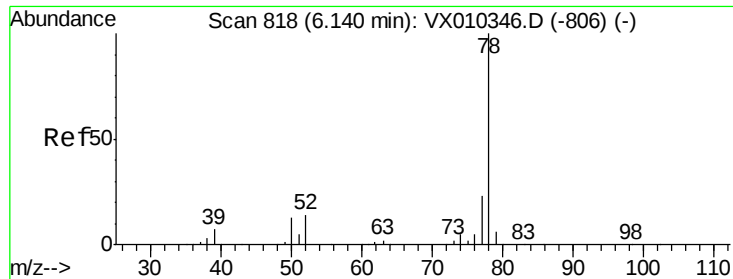


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.457 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

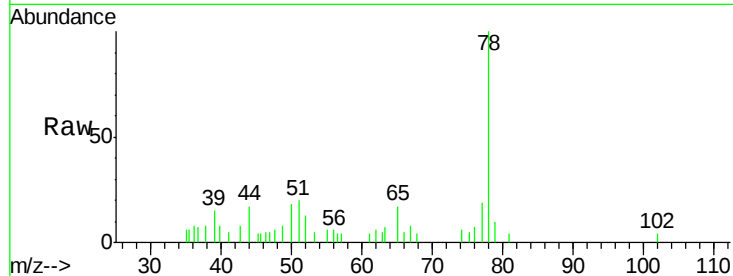
SS037MW036-190701

Tot Ion: 78 Resp: 3912

Ion Ratio Lower Upper

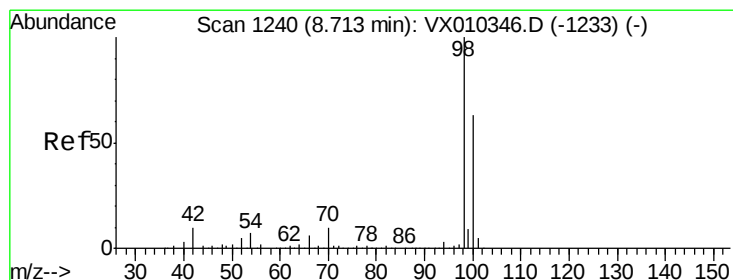
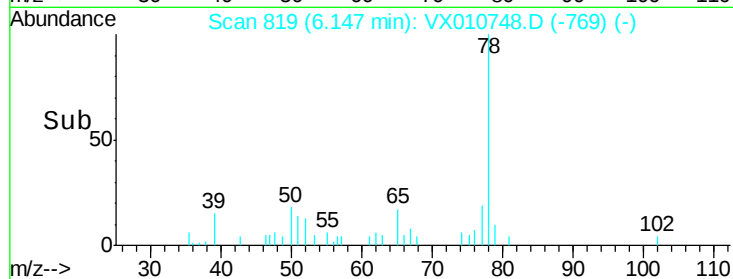
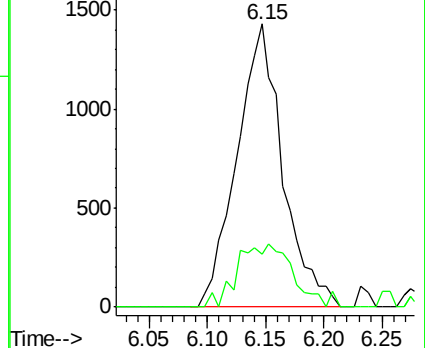
78 100

77 18.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.672 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010748.D

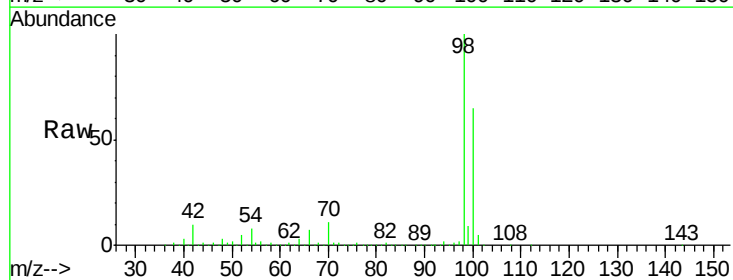
Acq: 09 Jul 2019 14:14

Tgt Ion: 98 Resp: 418192

Ion Ratio Lower Upper

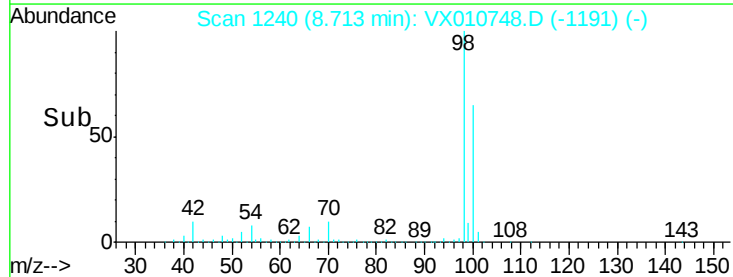
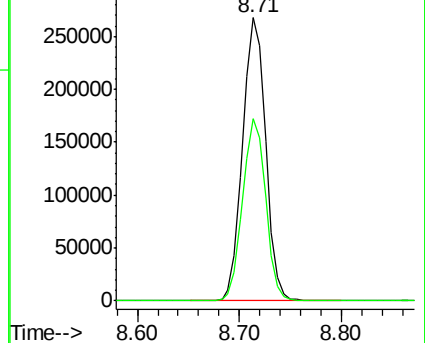
98 100

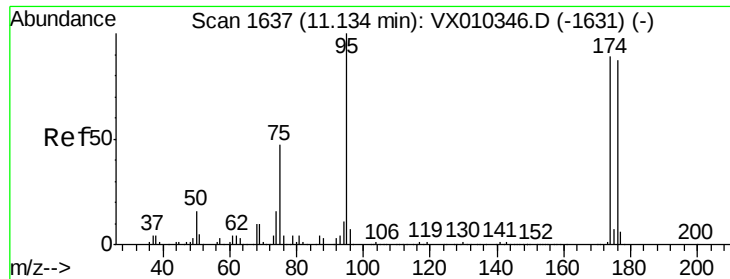
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.644 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

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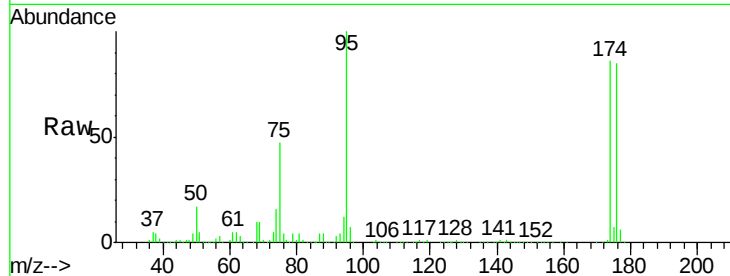
Tot Ion: 95 Resp: 145054

Ion Ratio Lower Upper

95 100

174 94.0 0.0 187.6

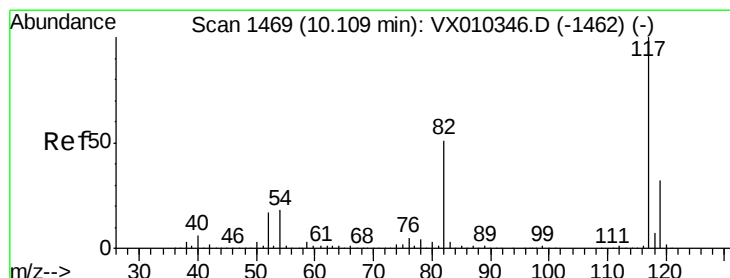
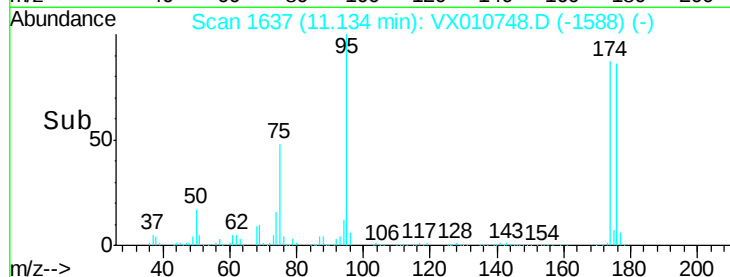
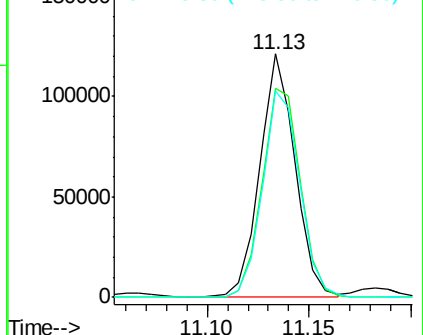
176 90.2 0.0 184.0



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: VX010748.D

Acq: 09 Jul 2019 14:14

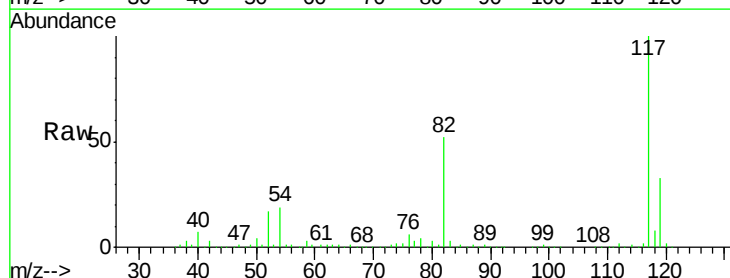
Tgt Ion: 117 Resp: 322359

Ion Ratio Lower Upper

117 100

82 52.2 41.2 61.8

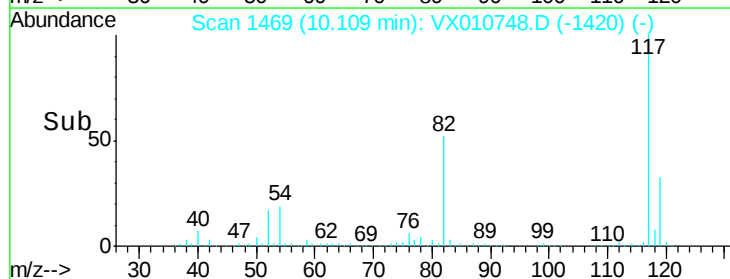
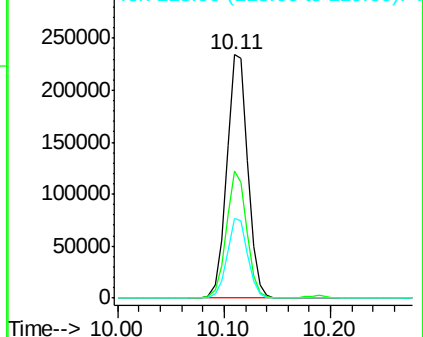
119 32.7 25.5 38.3

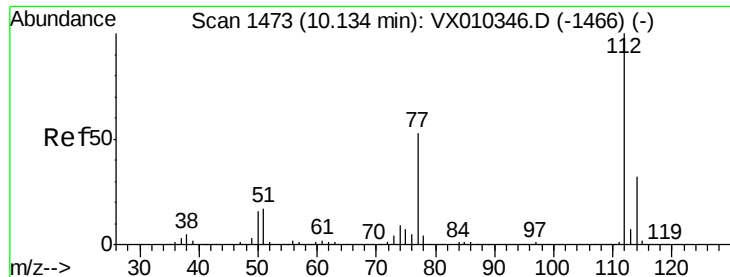


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

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

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

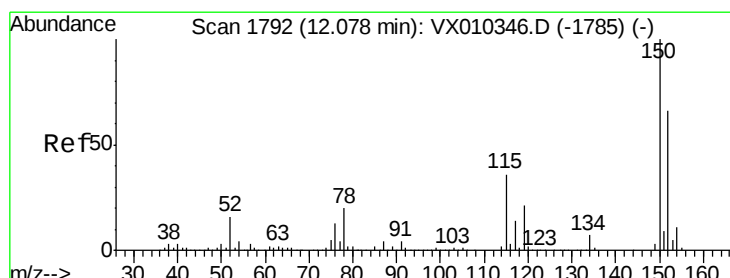
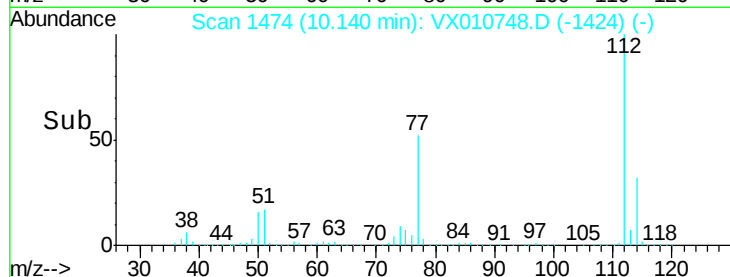
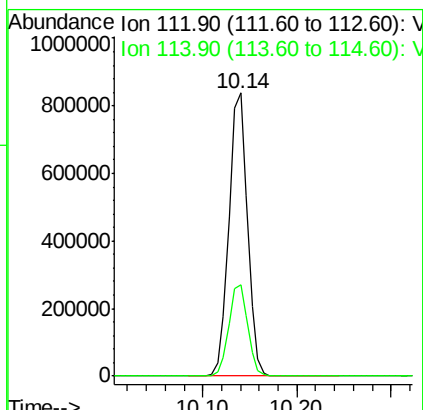
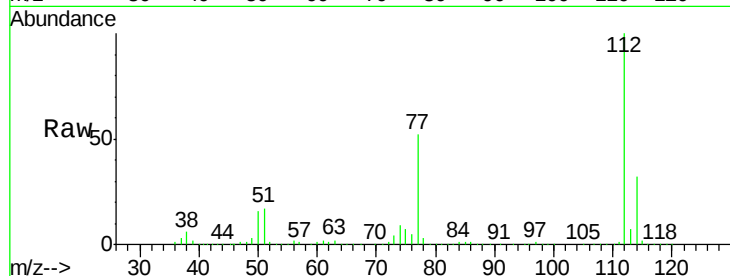




#65
Chlorobenzene
Concen: 175.535 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010748.D
Acq: 09 Jul 2019 14:14

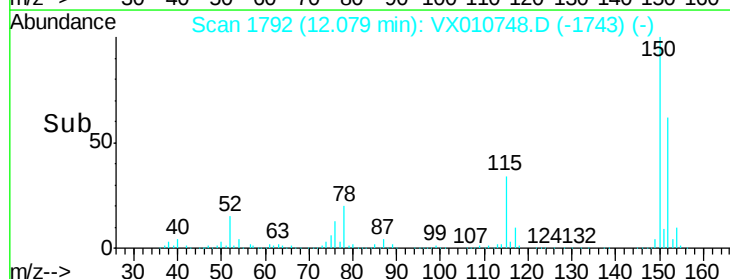
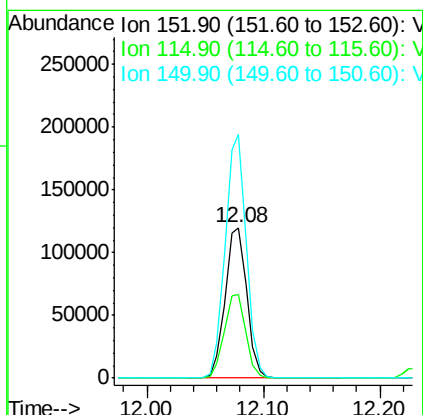
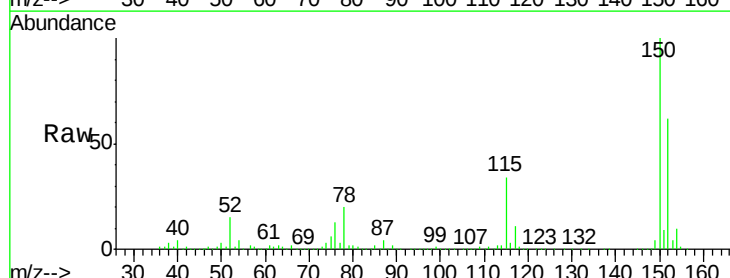
Instrument :
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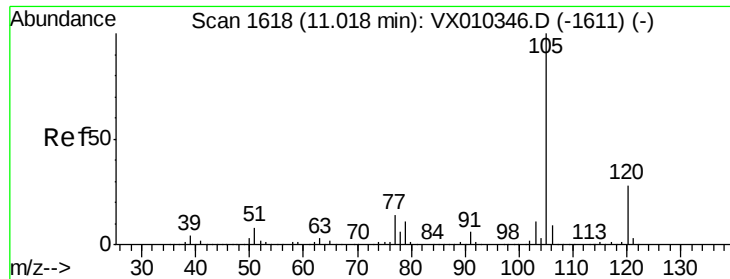
Tot Ion:112 Resp: 1148788
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010748.D
Acq: 09 Jul 2019 14:14

Tgt Ion:152 Resp: 154658
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 157.0 0.0 347.4





#73

Isopropylbenzene

Concen: 1.177 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

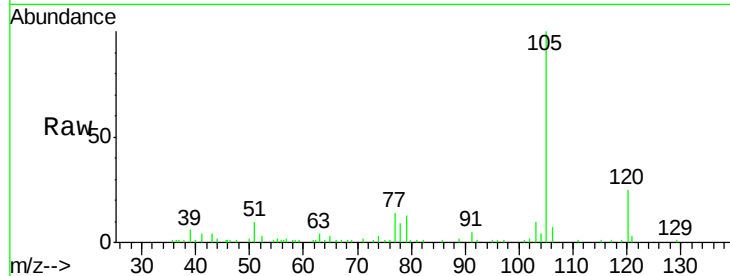
SS037MW036-190701

Tot Ion:105 Resp: 12335

Ion Ratio Lower Upper

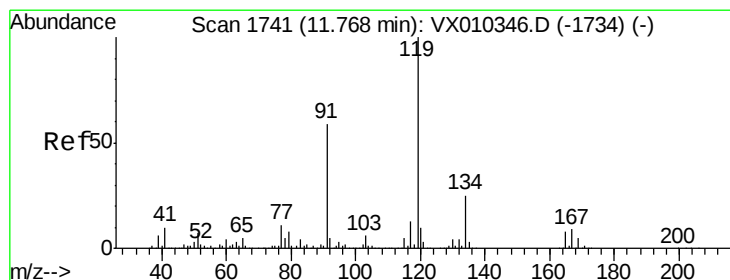
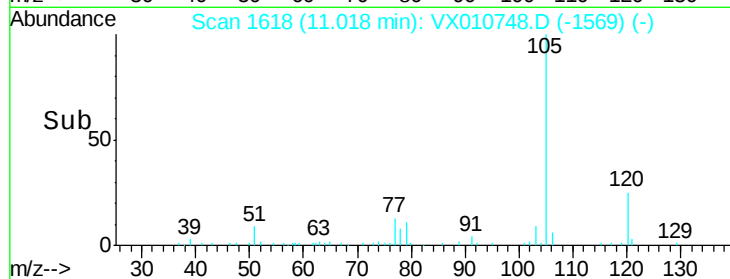
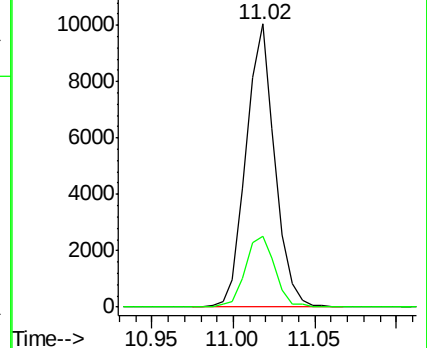
105 100

120 25.8 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: 3.446 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

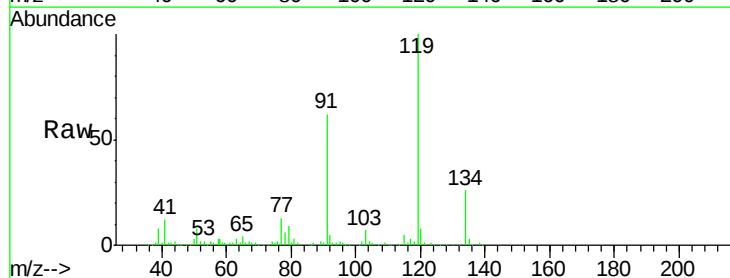
Tgt Ion:119 Resp: 29892

Ion Ratio Lower Upper

119 100

91 65.3 27.6 82.7

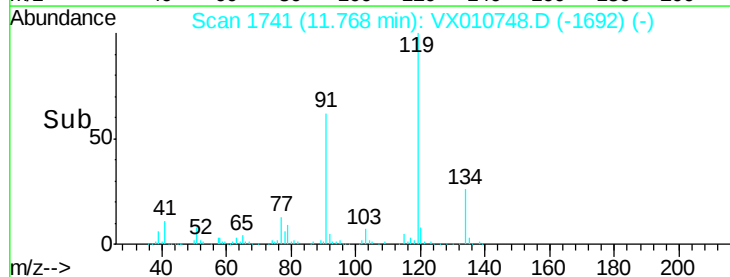
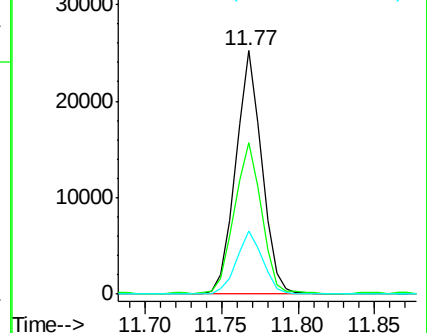
134 25.8 11.8 35.4

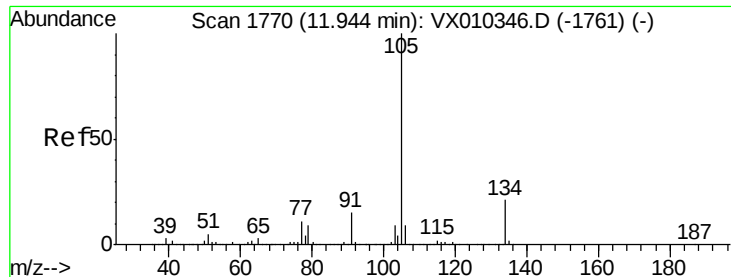


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 2.808 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

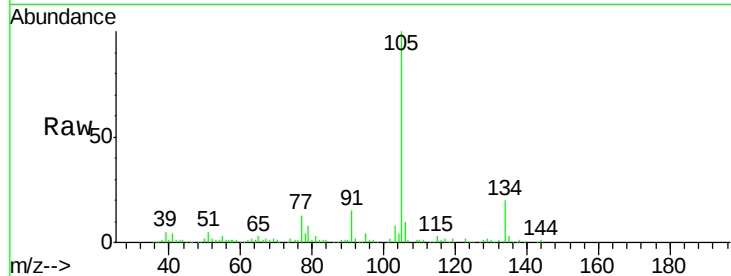
SS037MW036-190701

Tot Ion:105 Resp: 28597

Ion Ratio Lower Upper

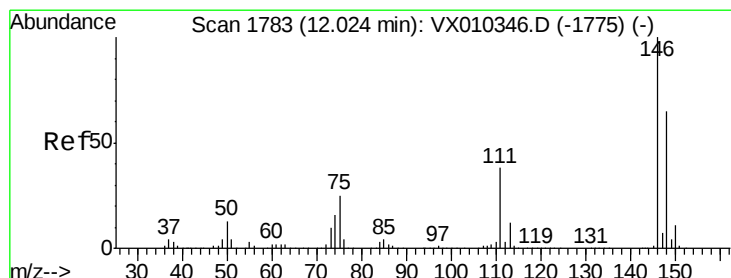
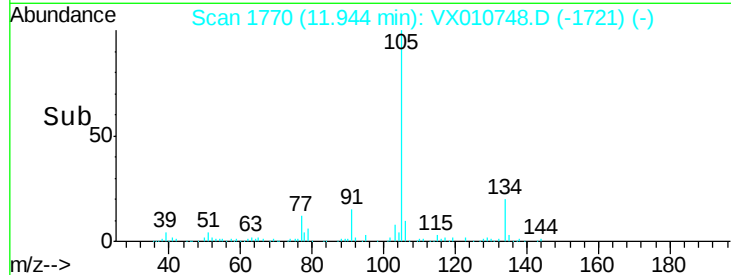
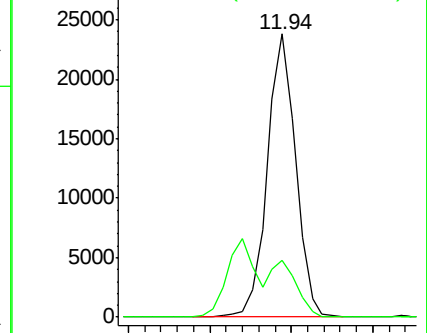
105 100

134 18.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.378 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

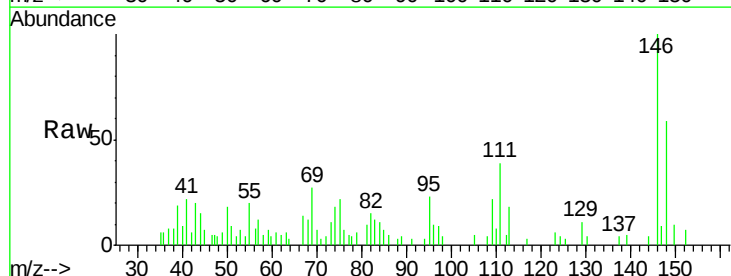
Tgt Ion:146 Resp: 1931

Ion Ratio Lower Upper

146 100

111 67.0 19.1 57.1#

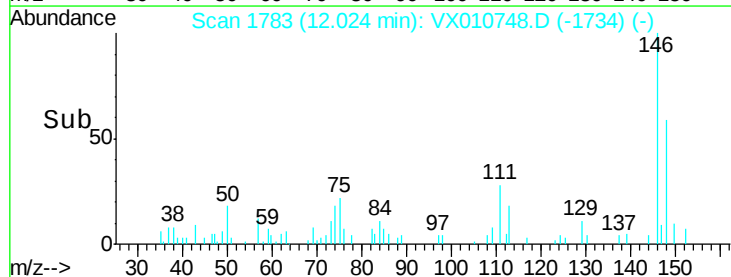
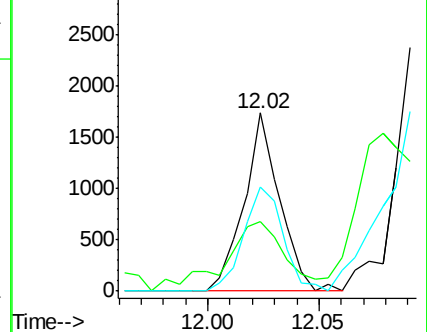
148 64.9 32.5 97.4

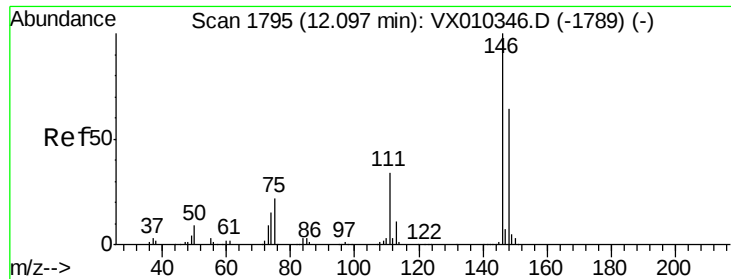


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.706 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010748.D

Acq: 09 Jul 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190701

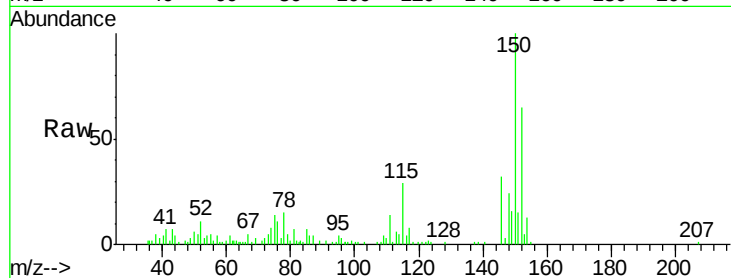
Tot Ion:146 Resp: 3675

Ion Ratio Lower Upper

146 100

111 89.1 18.1 54.3#

148 84.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

