

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
 Data File : VX010723.D
 Acq On : 09 Jul 2019 02:43
 Operator : JC/SP
 Sample : K3690-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038MW004-190703

Quant Time: Jul 09 09:25:57 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	218767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	316664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158982	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	108965	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
35) Dibromofluoromethane	5.50	113	103578	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	416723	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	
62) 4-Bromofluorobenzene	11.13	95	147605	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	

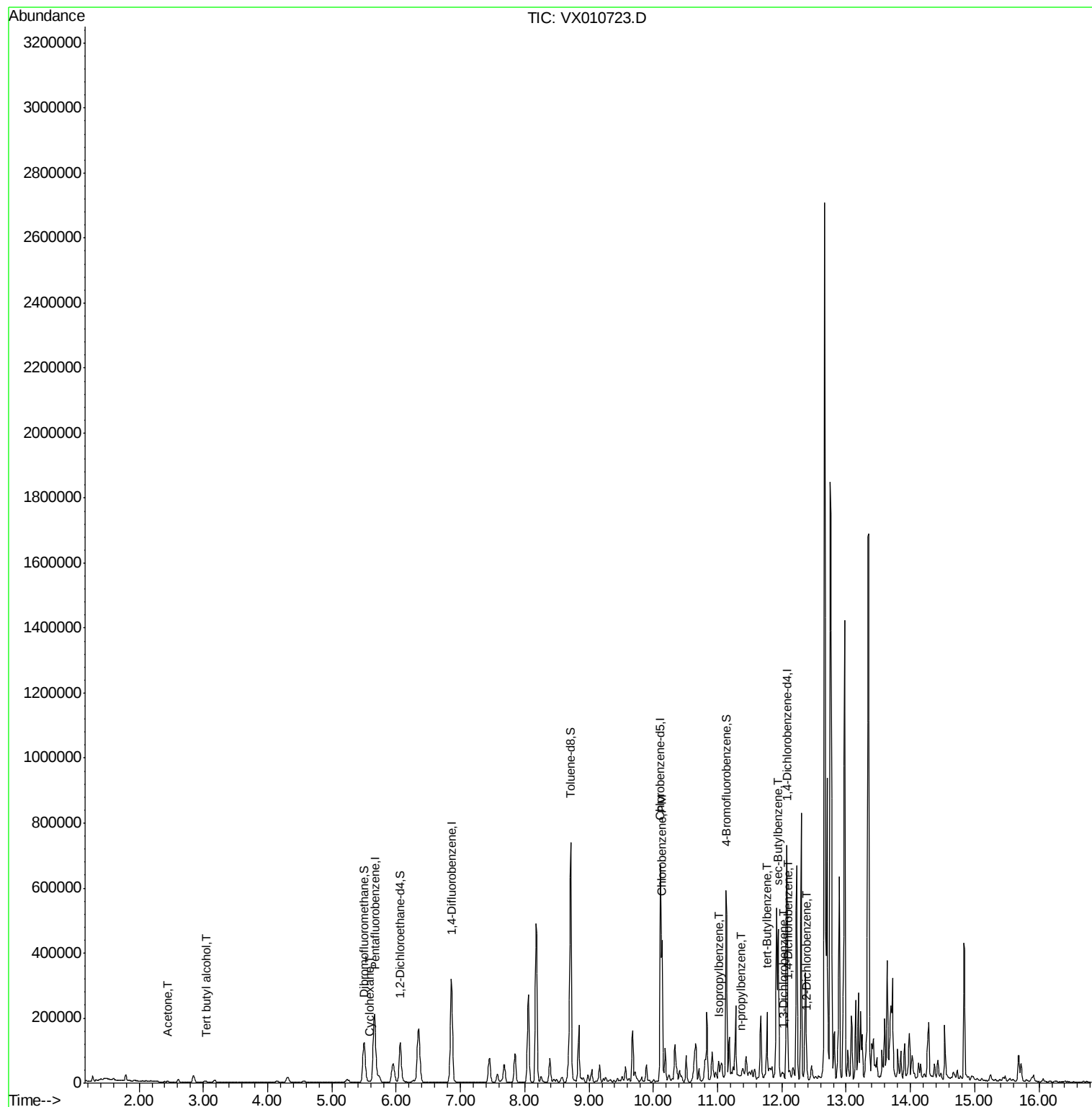
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	3011	5.610	ug/l #	89
16) Acetone	2.44	43	4314	4.197	ug/l	97
31) Cyclohexane	5.58	56	2636	0.890	ug/l	95
65) Chlorobenzene	10.13	112	187303	29.135	ug/l	100
73) Isopropylbenzene	11.02	105	30233	2.805	ug/l	97
78) n-propylbenzene	11.36	91	5710	0.482	ug/l	97
83) tert-Butylbenzene	11.77	119	76294	8.556	ug/l	91
85) sec-Butylbenzene	11.94	105	238788	22.807	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	3396	0.647	ug/l #	75
88) 1,4-Dichlorobenzene	12.10	146	9302	1.739	ug/l #	82
91) 1,2-Dichlorobenzene	12.39	146	2639	0.505	ug/l #	78

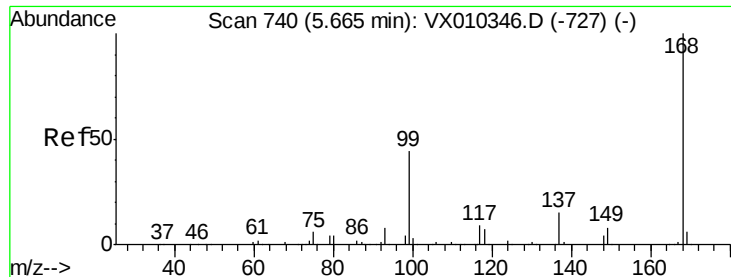
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070819\
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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

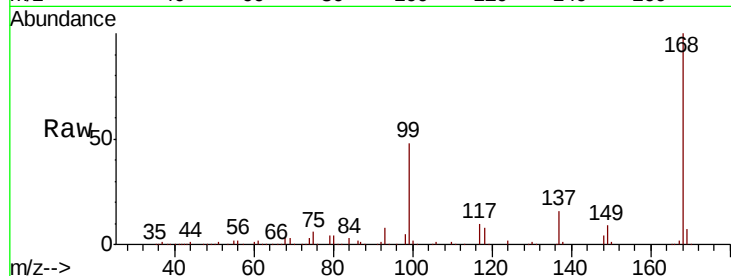
SS038MW004-190703

Tgt Ion:168 Resp: 218767

Ion Ratio Lower Upper

168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX010346.D (-727) (-)

5.67

80000

60000

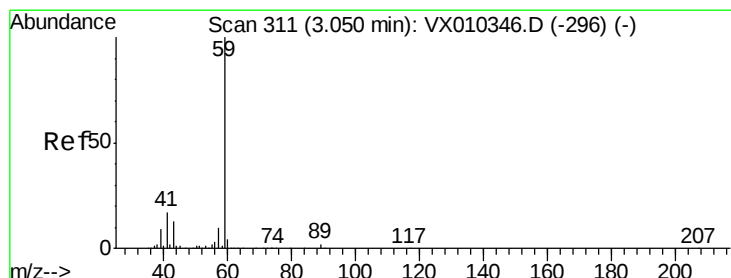
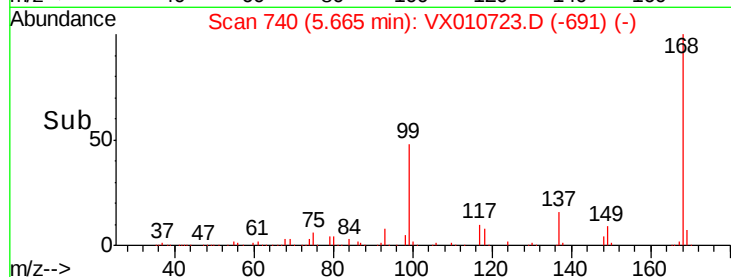
40000

20000

0

5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 5.610 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX010723.D

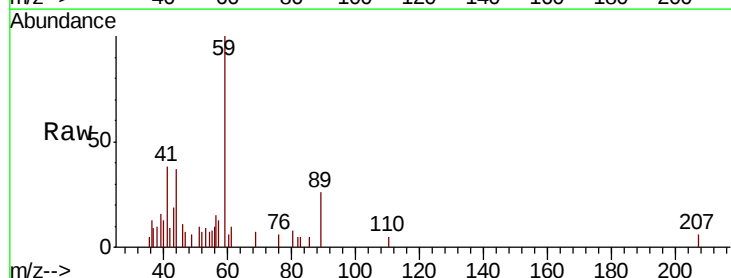
Acq: 09 Jul 2019 02:43

Tgt Ion: 59 Resp: 3011

Ion Ratio Lower Upper

59 100

57 13.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX010346.D (-296) (-)

Ion 57.00 (56.70 to 57.70): VX010346.D (-296) (-)

3.04

1200

1000

800

600

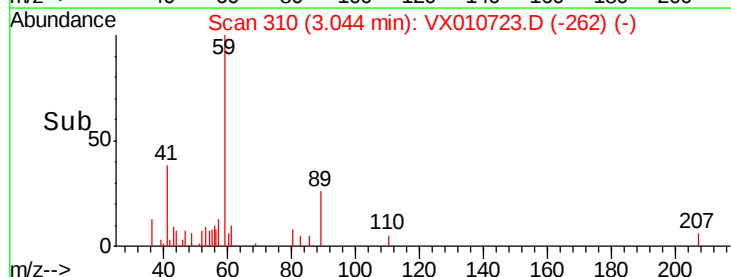
400

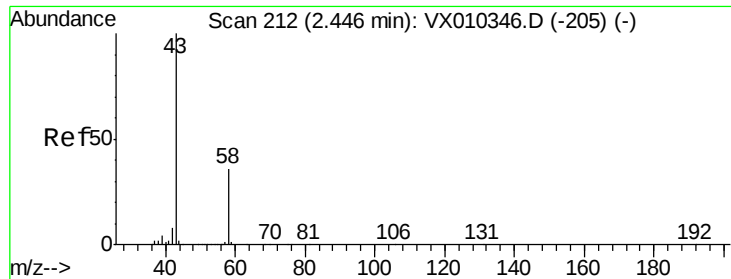
200

0

2.95 3.00 3.05 3.10

Time-->





#16

Acetone

Concen: 4.197 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

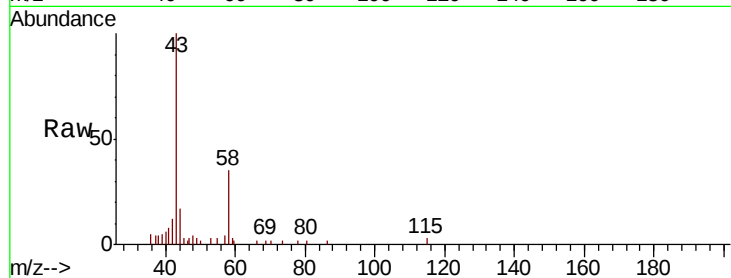
SS038MW004-190703

Tgt Ion: 43 Resp: 4314

Ion Ratio Lower Upper

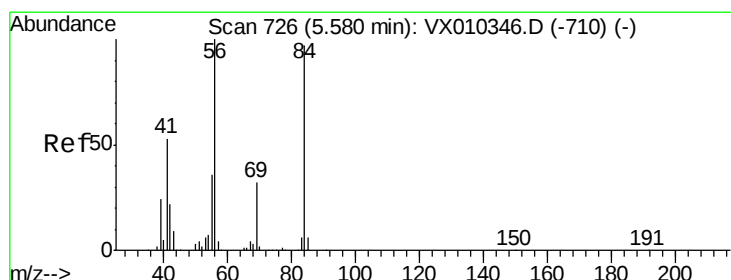
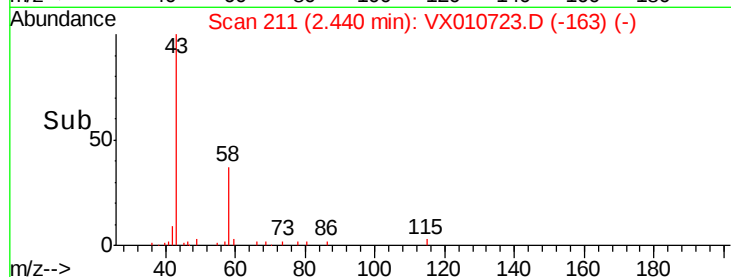
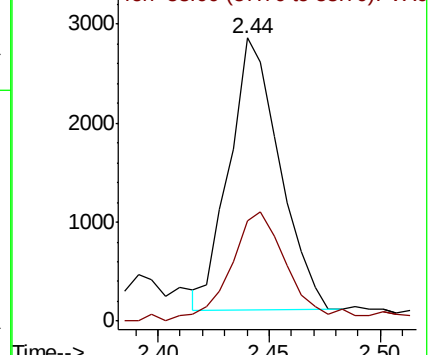
43 100

58 34.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 0.890 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

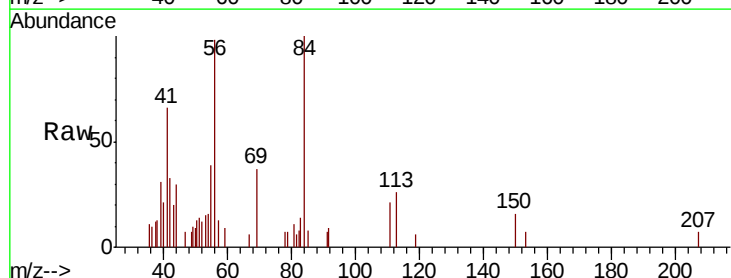
Tgt Ion: 56 Resp: 2636

Ion Ratio Lower Upper

56 100

69 37.5 25.9 38.9

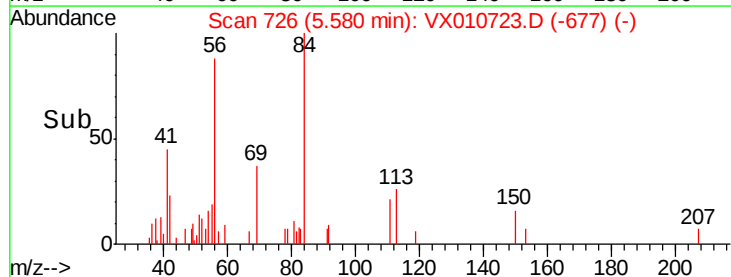
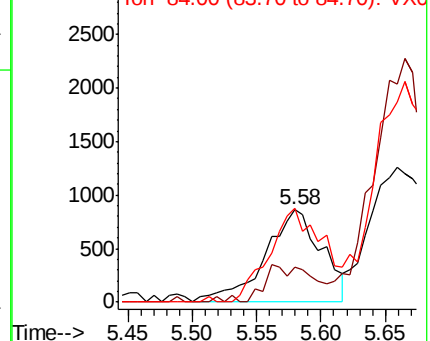
84 101.6 78.0 117.0

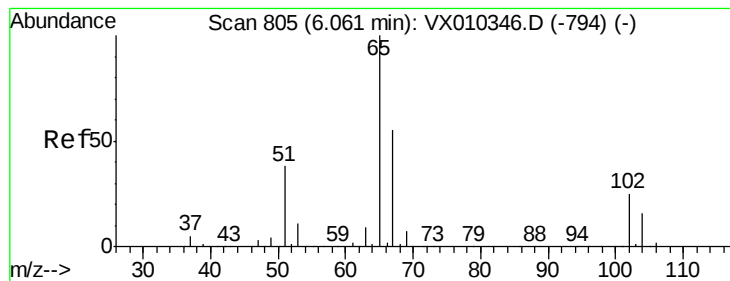


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.124 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

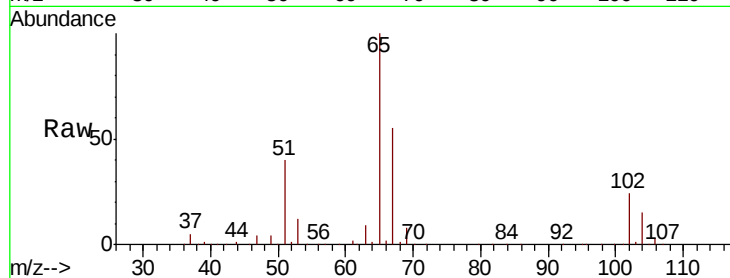
SS038MW004-190703

Tgt Ion: 65 Resp: 108965

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

30000

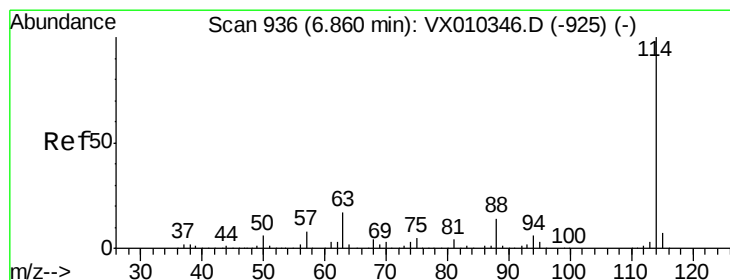
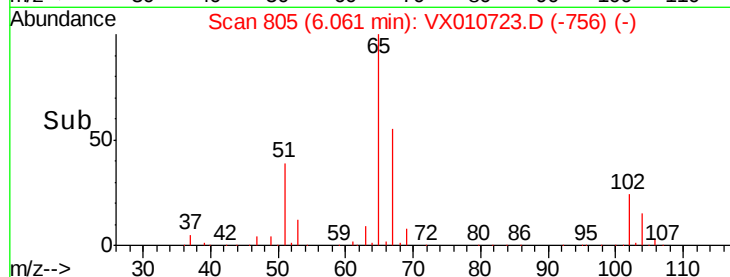
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

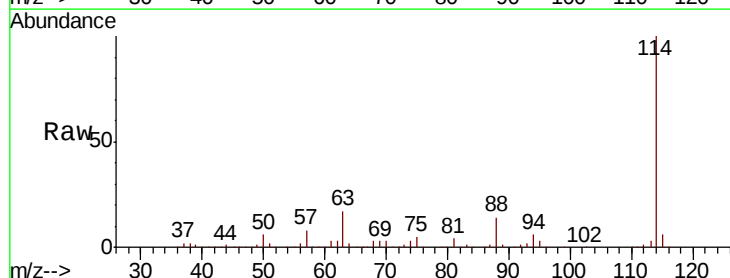
Tgt Ion: 114 Resp: 341624

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 13.8 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

200000

150000

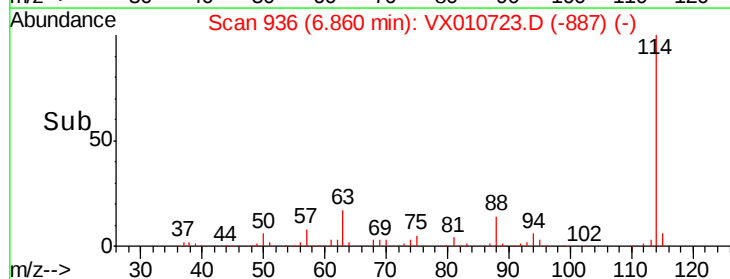
100000

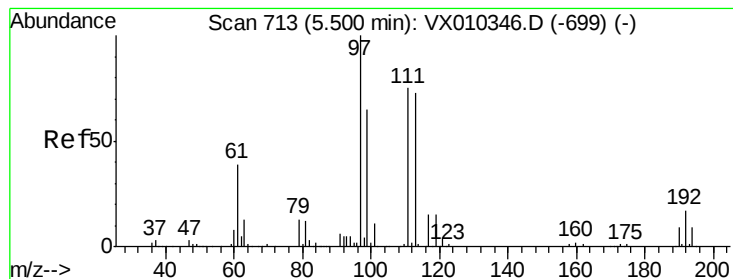
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.555 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

SS038MW004-190703

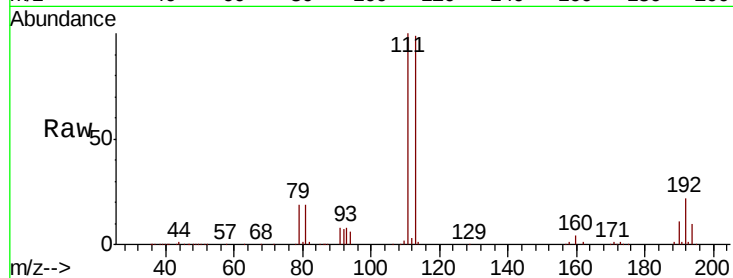
Tgt Ion:113 Resp: 103578

Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

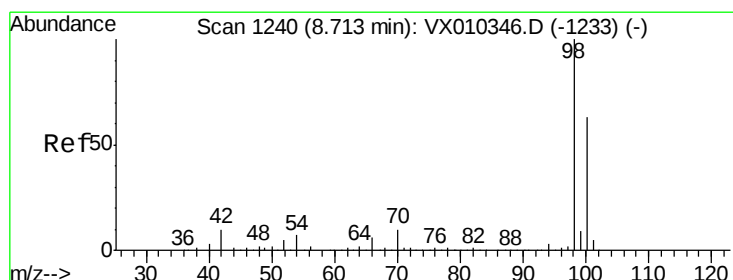
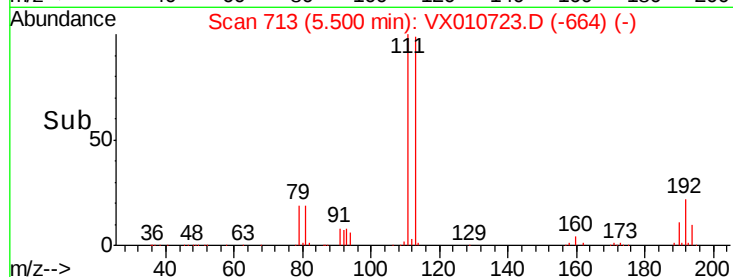
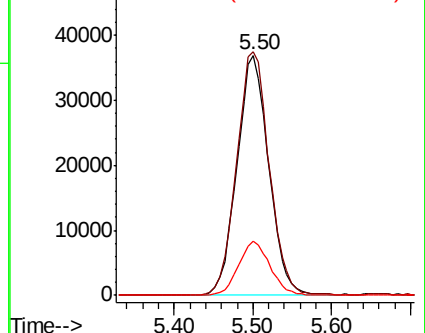
192 22.2 18.6 27.8



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



#50

Toluene-d8

Concen: 52.112 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010723.D

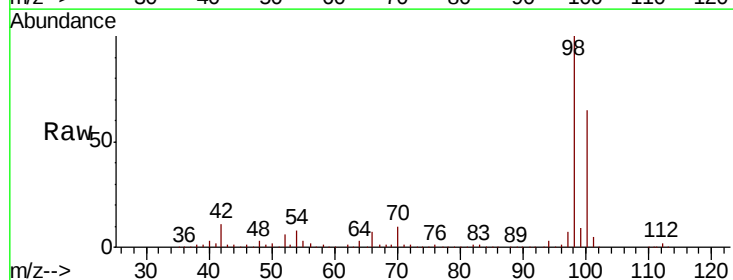
Acq: 09 Jul 2019 02:43

Tgt Ion: 98 Resp: 416723

Ion Ratio Lower Upper

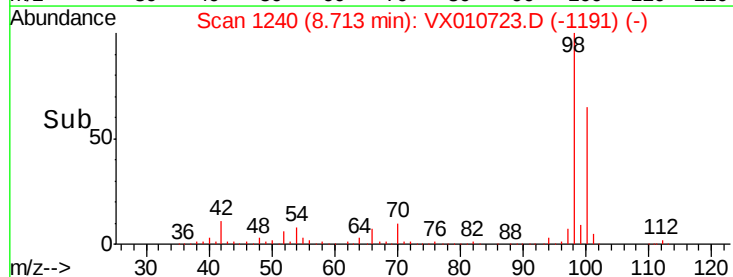
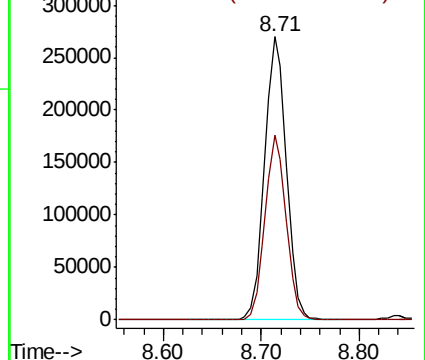
98 100

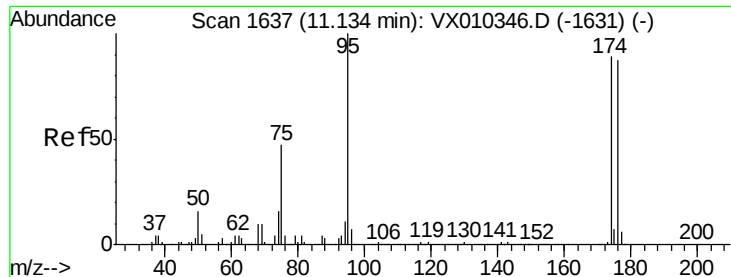
100 63.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.127 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

SS038MW004-190703

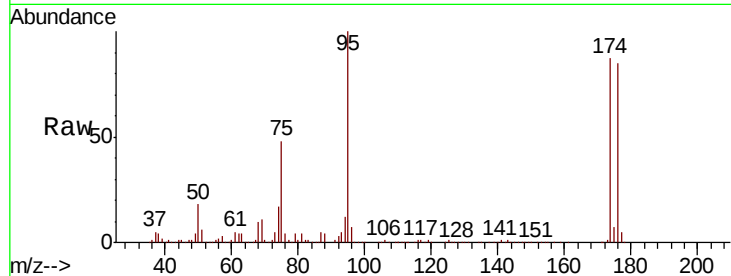
Tgt Ion: 95 Resp: 147605

Ion Ratio Lower Upper

95 100

174 90.2 0.0 187.6

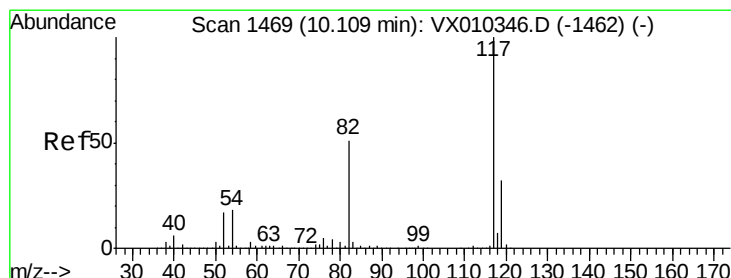
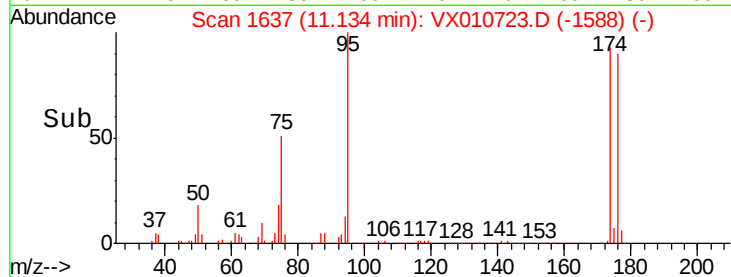
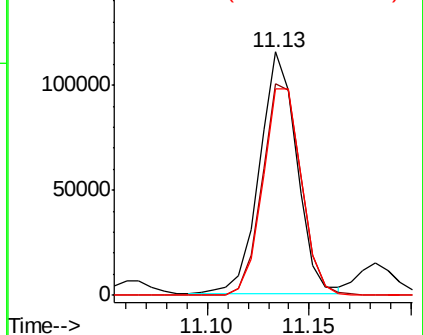
176 88.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010723.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010723.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010723.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

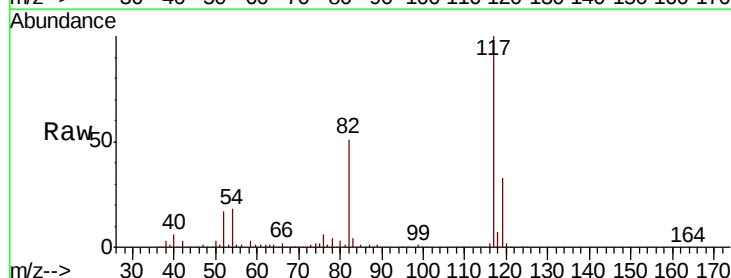
Tgt Ion: 117 Resp: 316664

Ion Ratio Lower Upper

117 100

82 50.8 41.2 61.8

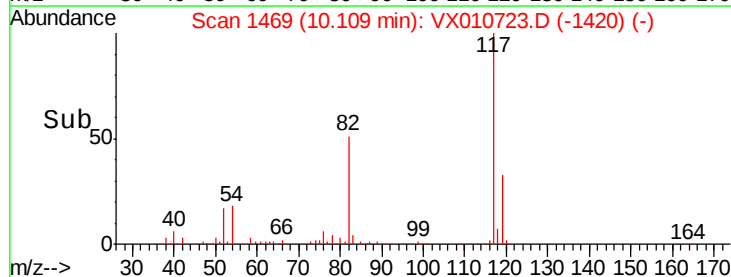
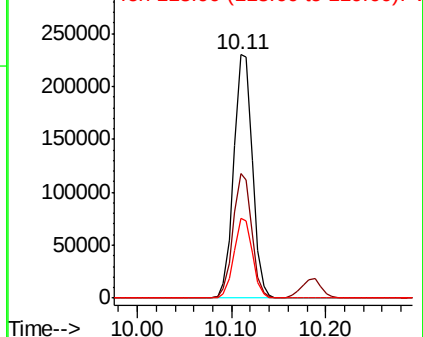
119 32.5 25.5 38.3

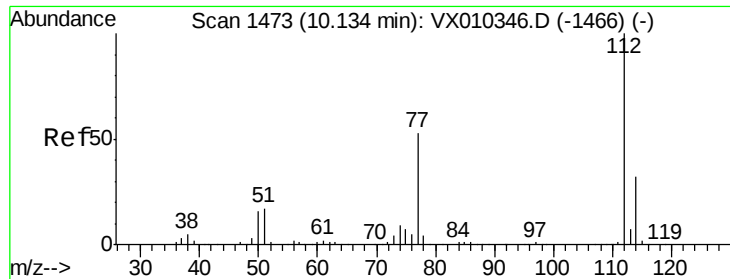


Abundance Ion 116.90 (116.60 to 117.60): VX010723.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010723.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010723.D (-1420) (-)

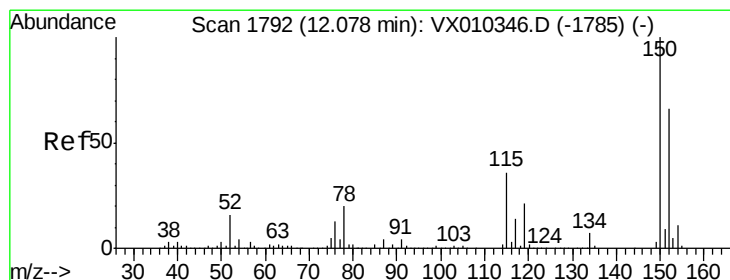
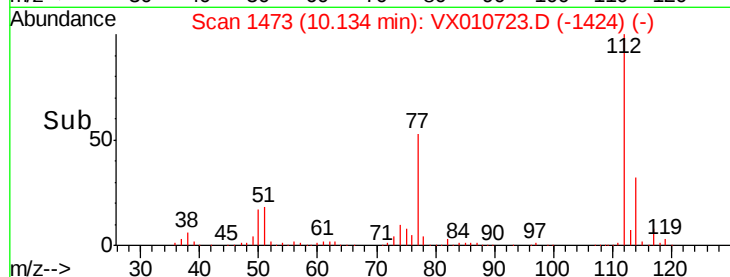
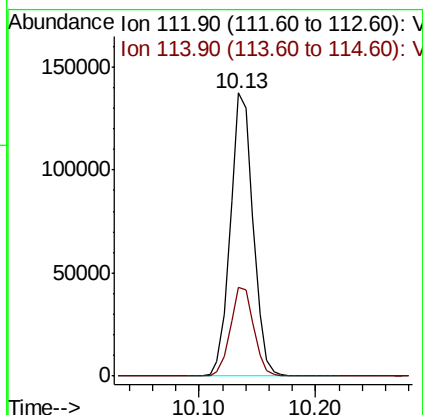
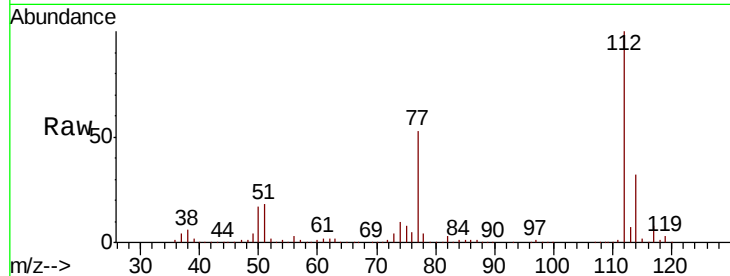




#65
Chlorobenzene
Concen: 29.135 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010723.D
Acq: 09 Jul 2019 02:43

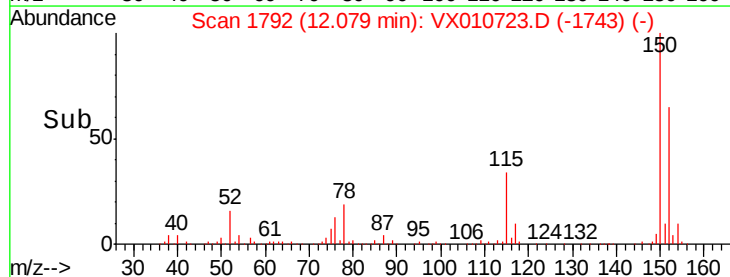
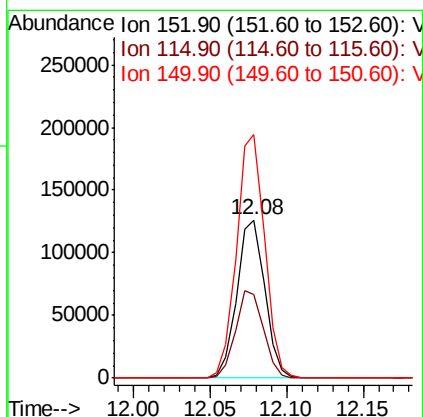
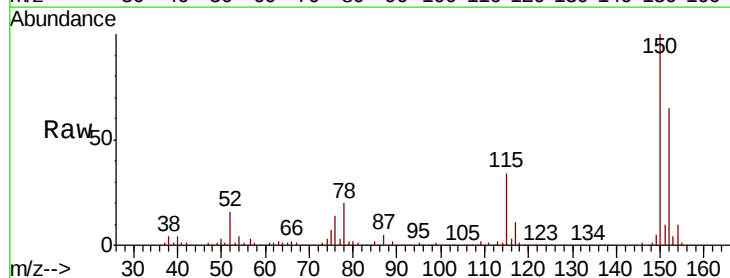
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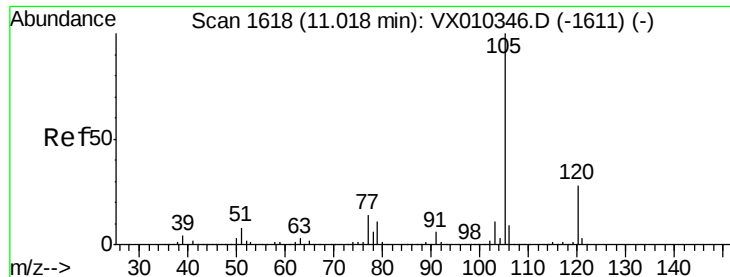
Tgt Ion:112 Resp: 187303
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010723.D
Acq: 09 Jul 2019 02:43

Tgt Ion:152 Resp: 158982
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 155.3 0.0 347.4





#73

Isopropylbenzene

Concen: 2.805 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

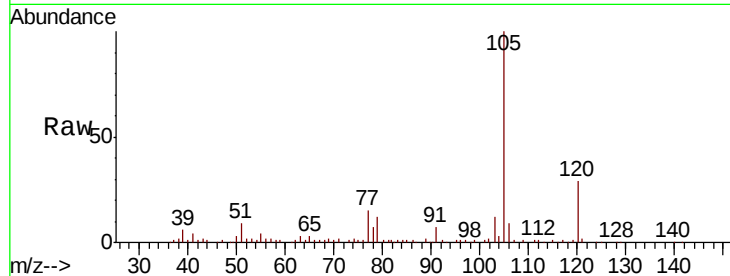
SS038MW004-190703

Tgt Ion: 105 Resp: 30233

Ion Ratio Lower Upper

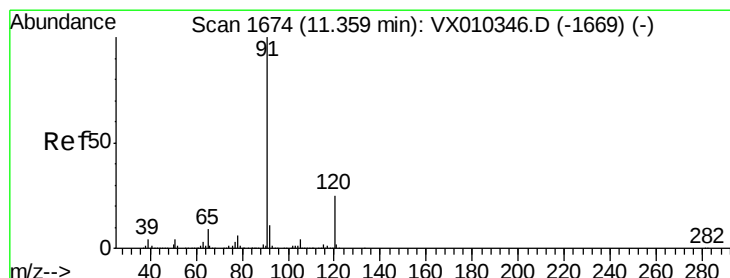
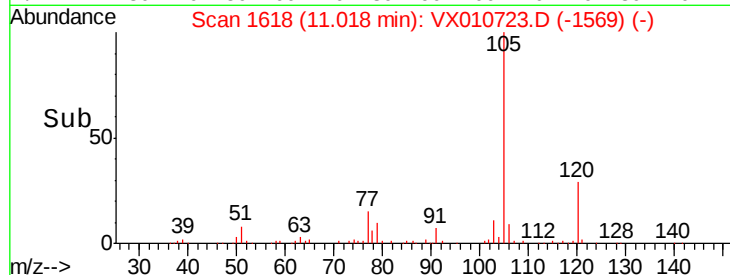
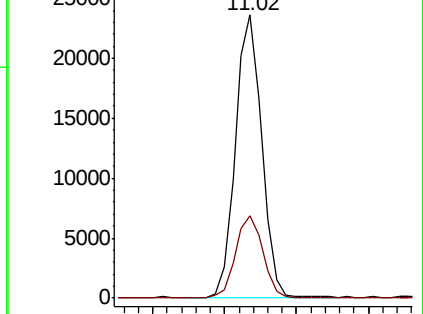
105 100

120 30.1 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.482 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010723.D

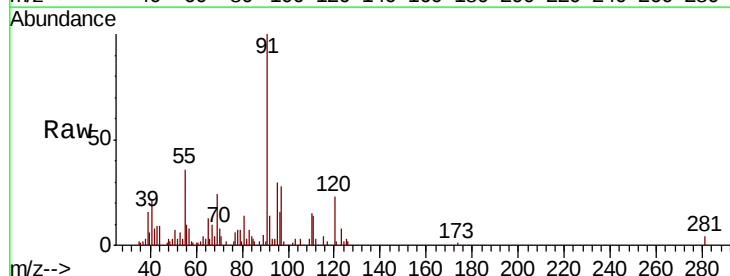
Acq: 09 Jul 2019 02:43

Tgt Ion: 91 Resp: 5710

Ion Ratio Lower Upper

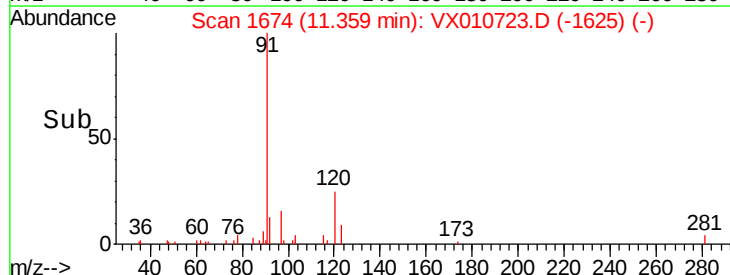
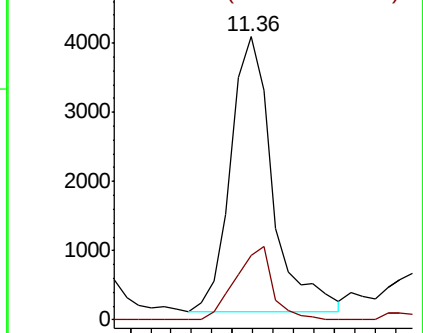
91 100

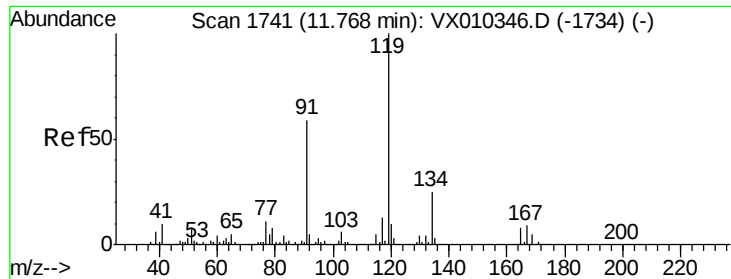
120 23.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

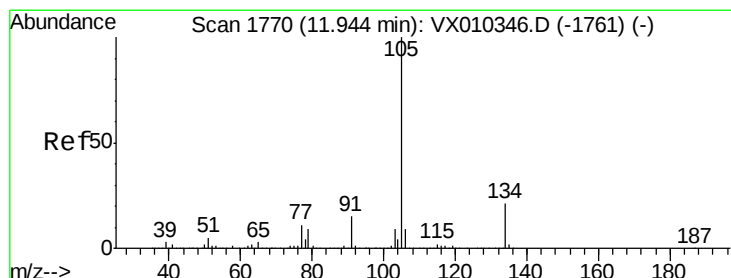
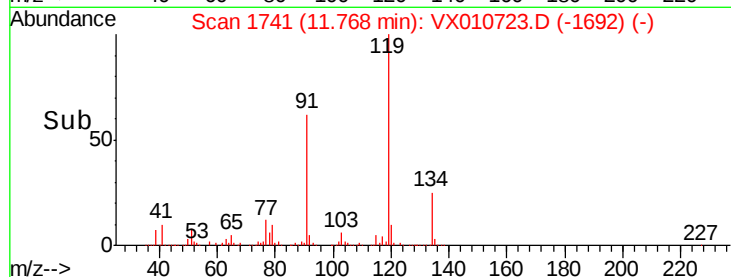
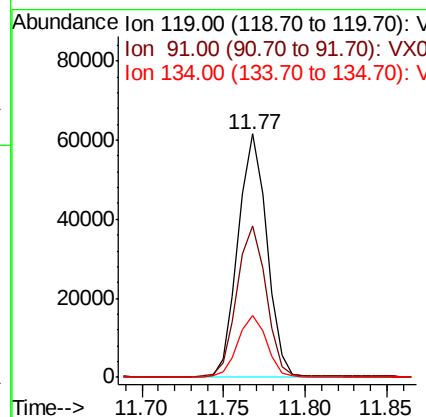
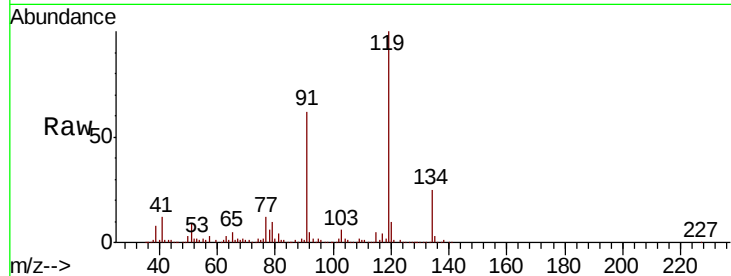




#83
tert-Butylbenzene
Concen: 8.556 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010723.D
Acq: 09 Jul 2019 02:43

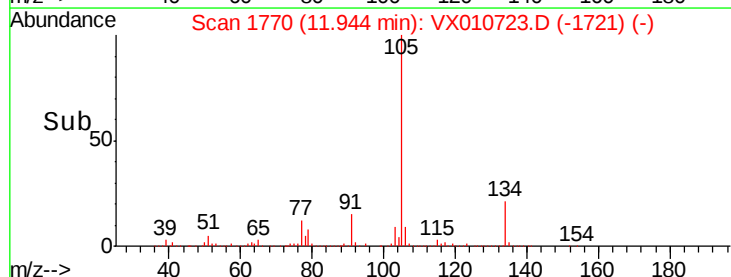
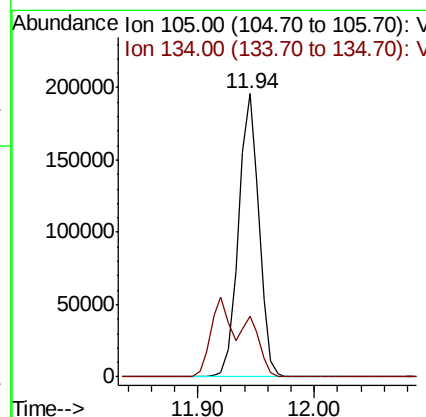
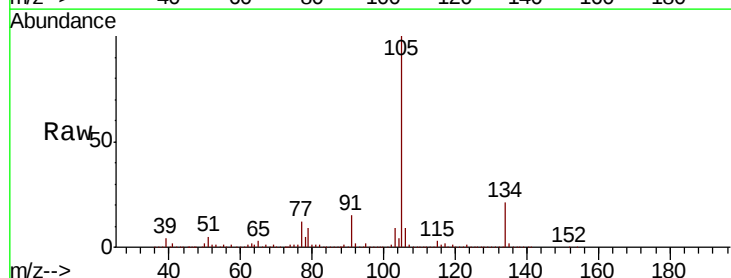
Instrument :
MSVOA_X
ClientSampleId :
SS038MW004-190703

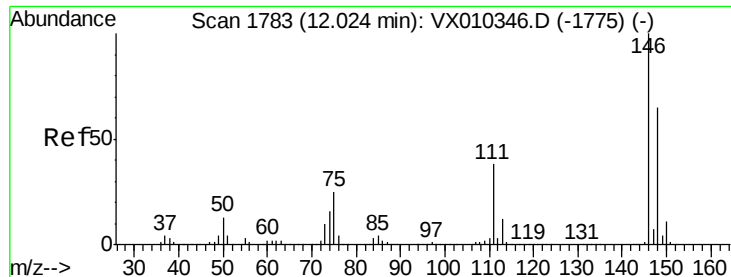
Tgt Ion:119 Resp: 76294
Ion Ratio Lower Upper
119 100
91 63.3 27.6 82.7
134 25.4 11.8 35.4



#85
sec-Butylbenzene
Concen: 22.807 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010723.D
Acq: 09 Jul 2019 02:43

Tgt Ion:105 Resp: 238788
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





#87

1,3-Dichlorobenzene

Concen: 0.647 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

SS038MW004-190703

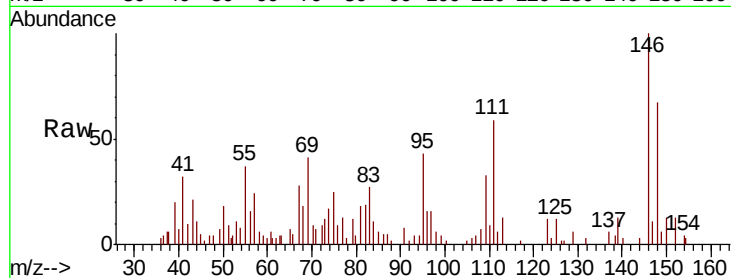
Tgt Ion:146 Resp: 3396

Ion Ratio Lower Upper

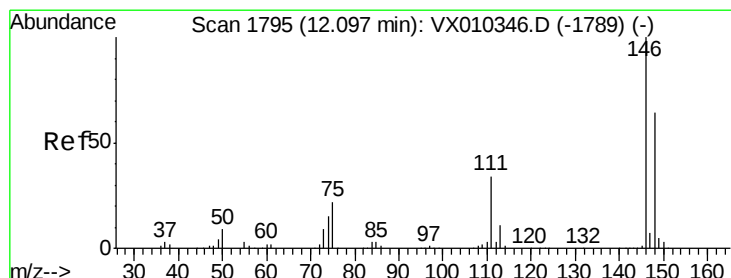
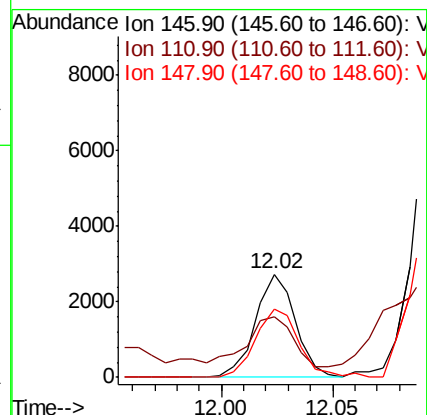
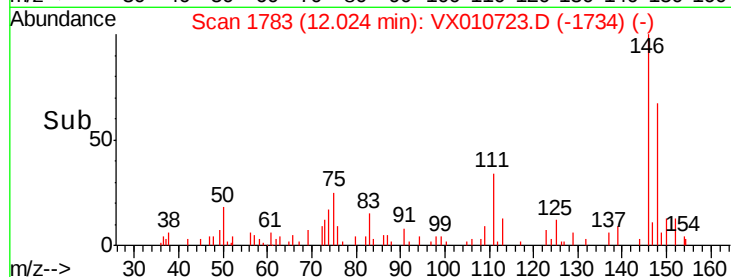
146 100

111 69.2 19.1 57.1#

148 72.7 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: 1.739 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

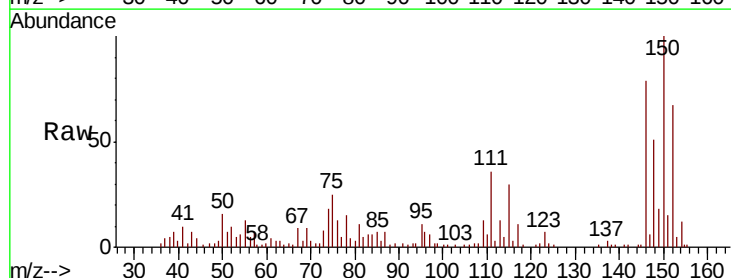
Tgt Ion:146 Resp: 9302

Ion Ratio Lower Upper

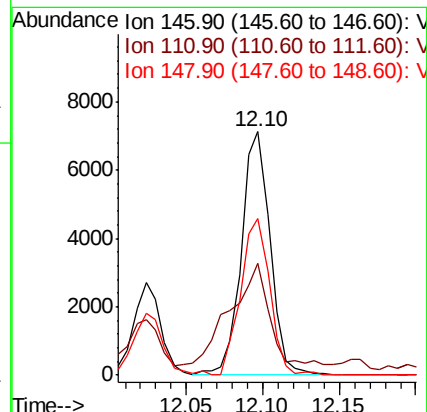
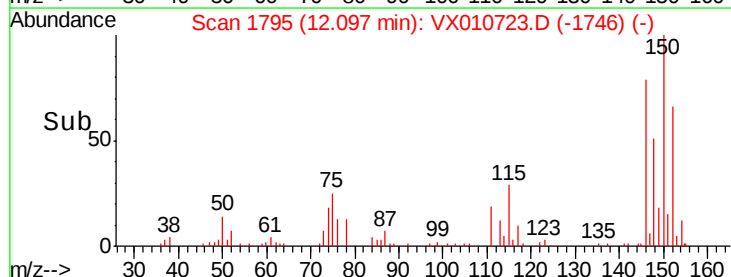
146 100

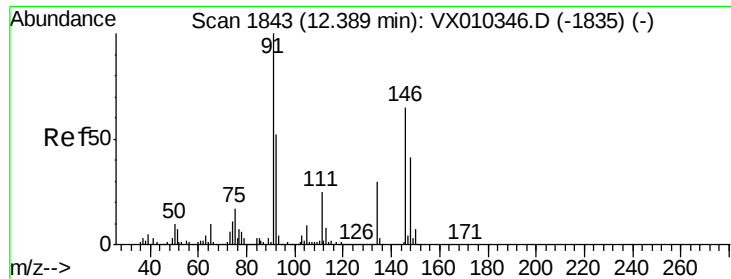
111 64.4 18.1 54.3#

148 65.1 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





#91

1,2-Dichlorobenzene

Concen: 0.505 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010723.D

Acq: 09 Jul 2019 02:43

Instrument :

MSVOA_X

ClientSampleId :

SS038MW004-190703

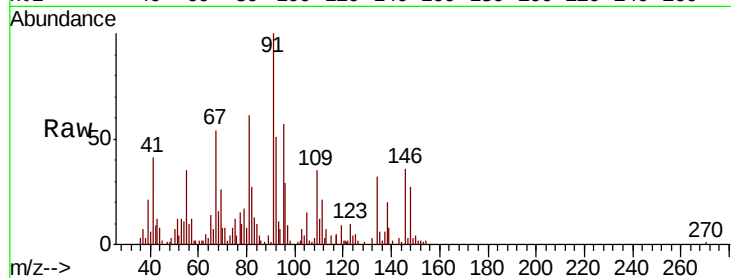
Tgt Ion:146 Resp: 2639

Ion Ratio Lower Upper

146 100

111 65.8 19.2 57.6#

148 70.8 32.0 96.0



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

