

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX022719\
 Data File : VX007737.D
 Acq On : 27 Feb 2019 16:44
 Operator : JC/SP
 Sample : K1638-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WS-1(BASE-OF-TANK)

Quant Time: Mar 06 04:45:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	307651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	451008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	185385	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
35) Dibromofluoromethane	5.51	113	155341	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	580194	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.13	95	208721	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

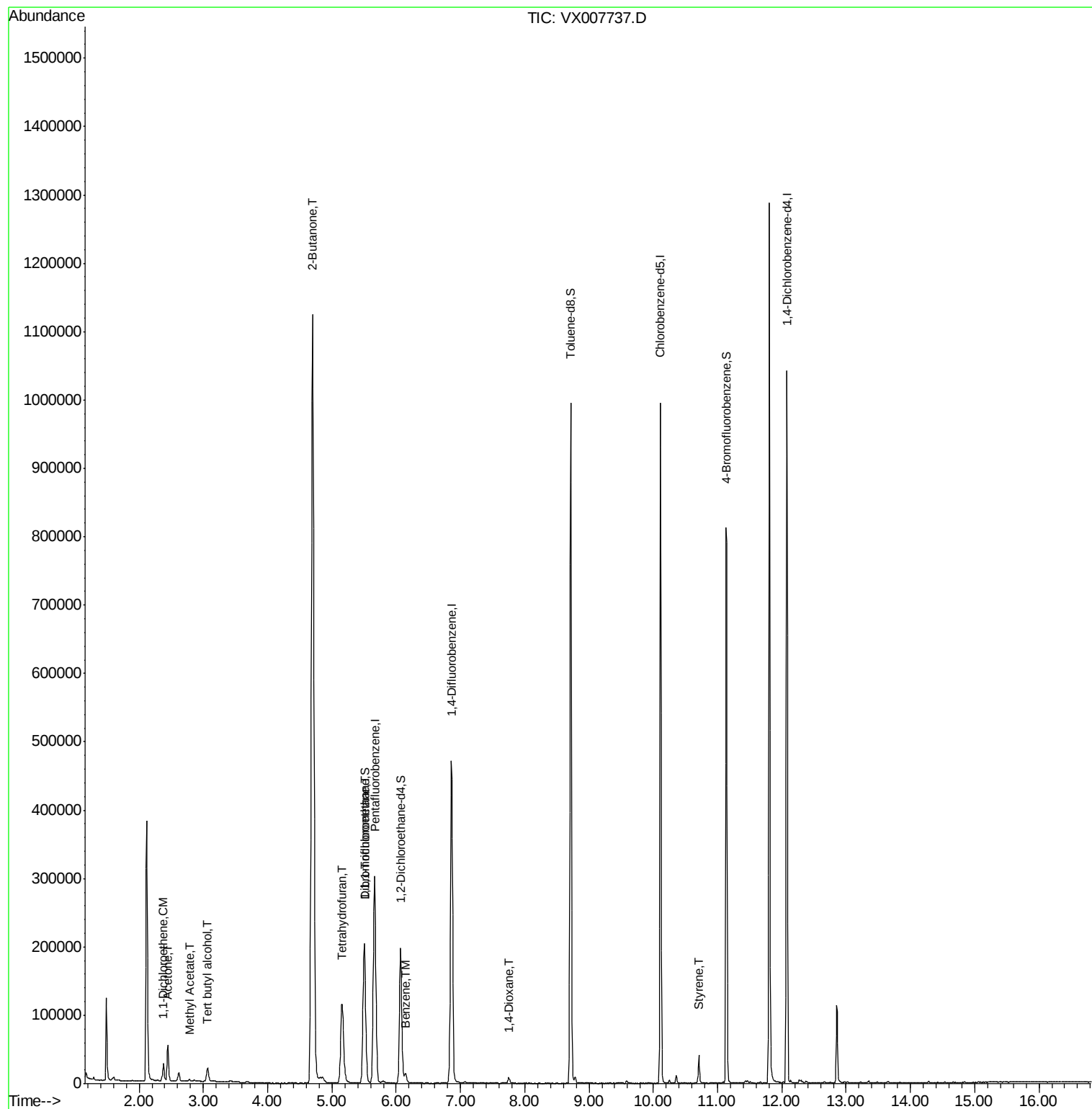
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	23285	32.204	ug/l	95
12) 1,1-Dichloroethene	2.38	96	8289	3.080	ug/l	84
16) Acetone	2.45	43	57828	34.123	ug/l	98
18) Methyl Acetate	2.78	43	2731	0.739	ug/l #	90
25) 2-Butanone	4.70	43	2039236	789.964	ug/l	94
29) Tetrahydrofuran	5.15	42	101533	59.669	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	21818	4.375	ug/l	96
40) Benzene	6.14	78	15560	1.186	ug/l	94
49) 1,4-Dioxane	7.75	88	6314	76.764	ug/l	94
70) Styrene	10.71	104	15371	1.547	ug/l	92

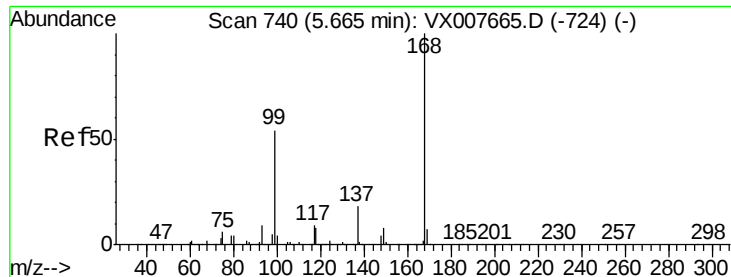
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 01:53:13 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: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

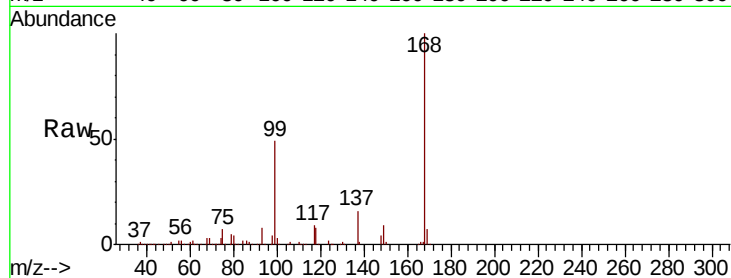
WS-1(BASE-OF-TANK)

Tot Ion:168 Resp: 307651

Ion Ratio Lower Upper

168 100

99 48.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

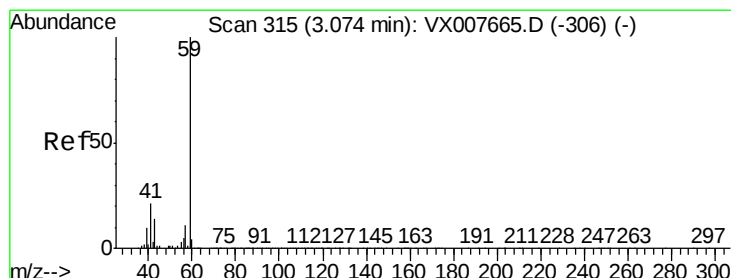
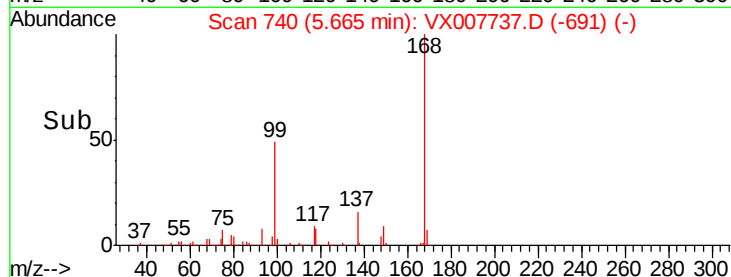
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 32.204 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX007737.D

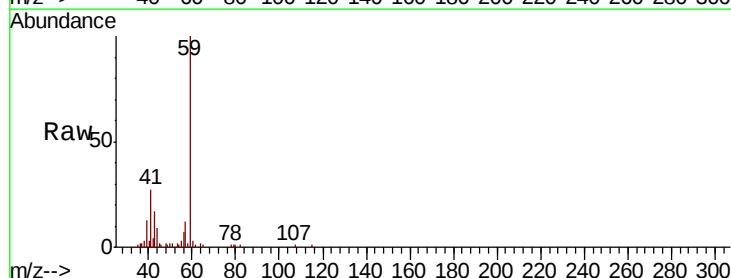
Acq: 27 Feb 2019 16:44

Tgt Ion: 59 Resp: 23285

Ion Ratio Lower Upper

59 100

57 11.8 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

12000

10000

8000

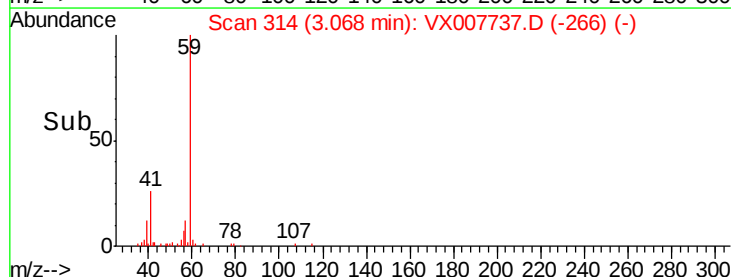
6000

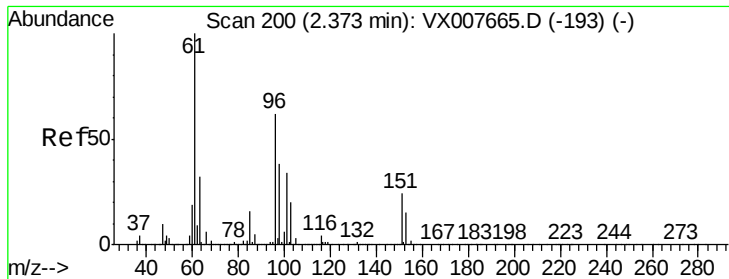
4000

2000

0

Time-->





#12

1,1-Dichloroethene

Concen: 3.080 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

WS-1(BASE-OF-TANK)

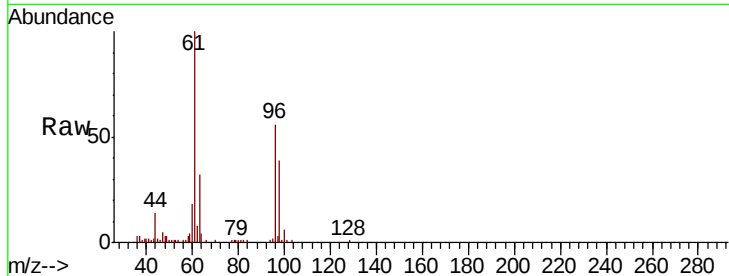
Tot Ion: 96 Resp: 8289

Ion Ratio Lower Upper

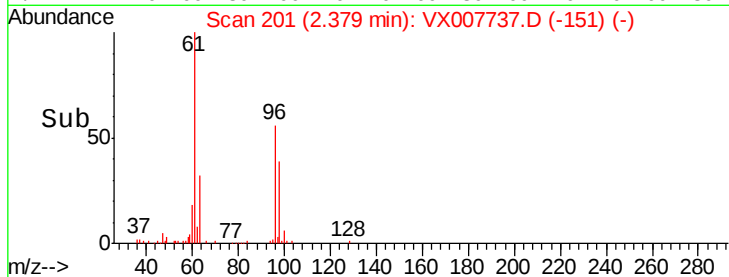
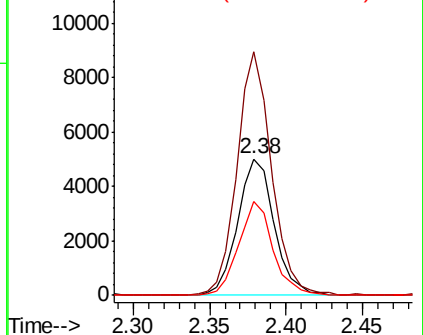
96 100

61 178.4 123.0 184.4

98 69.2 50.9 76.3



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



#16

Acetone

Concen: 34.123 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007737.D

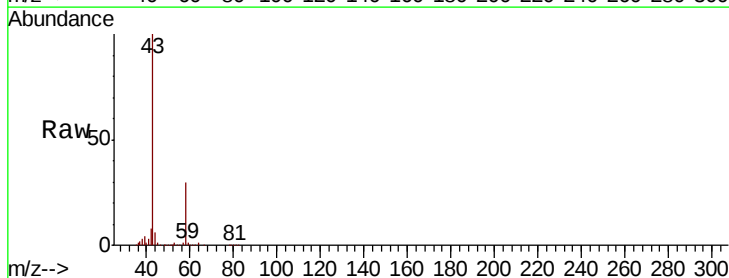
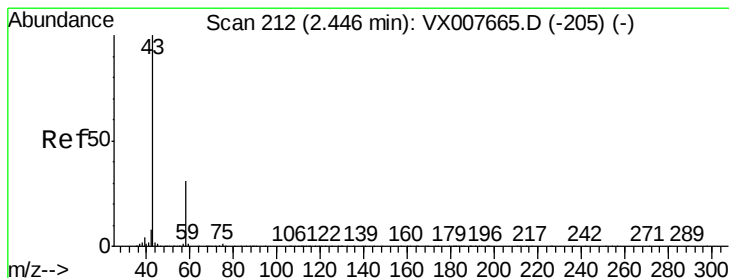
Acq: 27 Feb 2019 16:44

Tgt Ion: 43 Resp: 57828

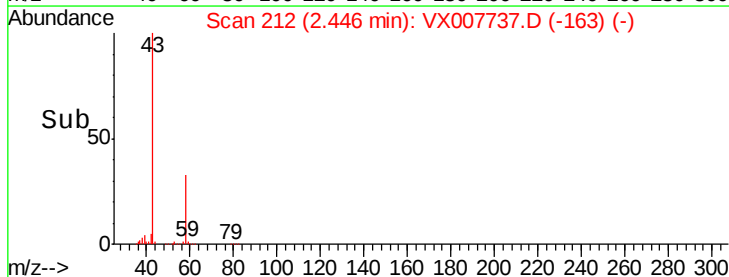
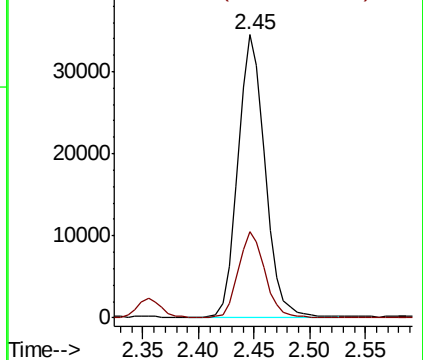
Ion Ratio Lower Upper

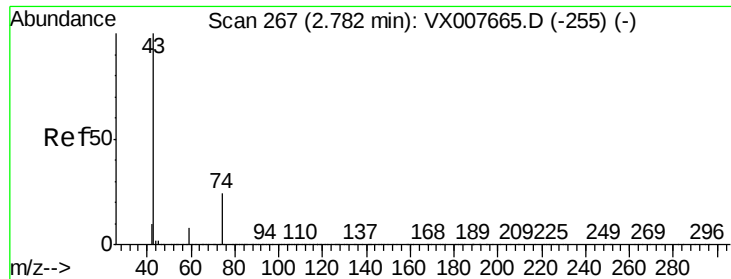
43 100

58 30.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

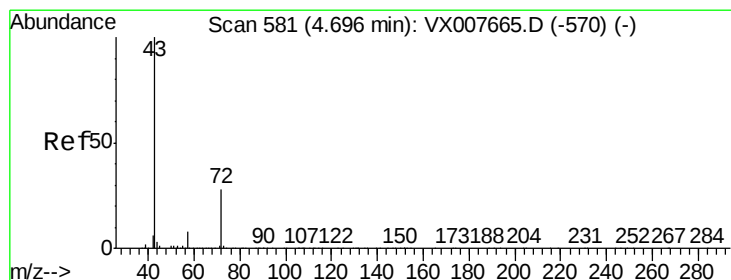
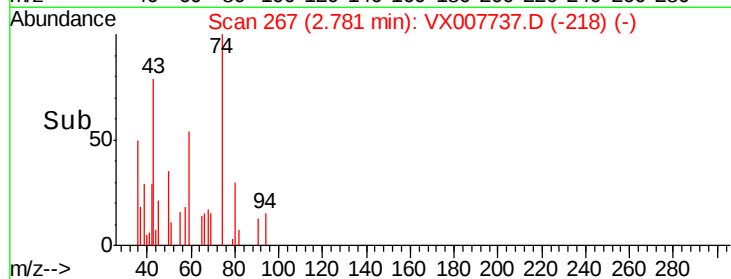
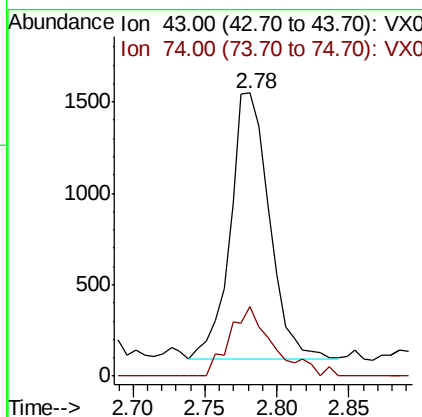
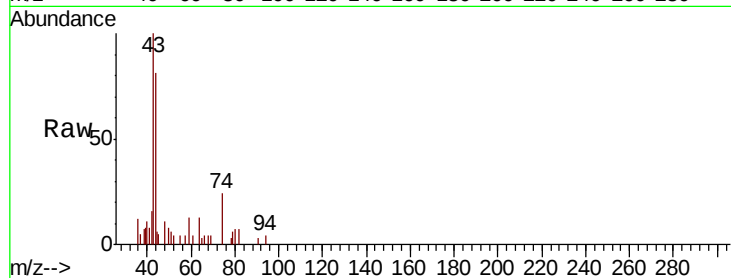




#18
Methvl Acetate
Concen: 0.739 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007737.D
Acq: 27 Feb 2019 16:44

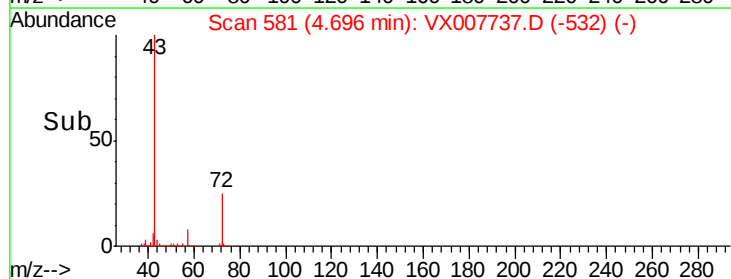
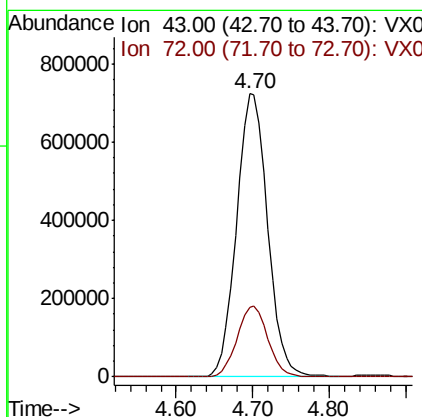
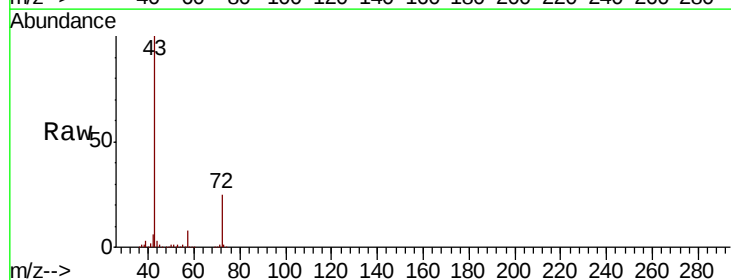
Instrument :
MSVOA_X
ClientSampleId :
WS-1(BASE-OF-TANK)

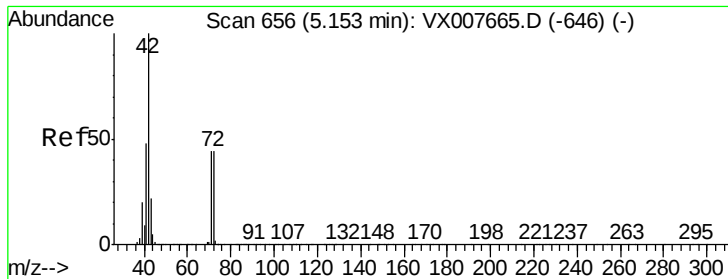
Tot Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
74 29.3 19.4 29.2#



#25
2-Butanone
Concen: 789.964 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX007737.D
Acq: 27 Feb 2019 16:44

Tgt Ion: 43 Resp: 2039236
Ion Ratio Lower Upper
43 100
72 24.8 22.2 33.2





#29

Tetrahydrofuran

Concen: 59.669 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

WS-1(BASE-OF-TANK)

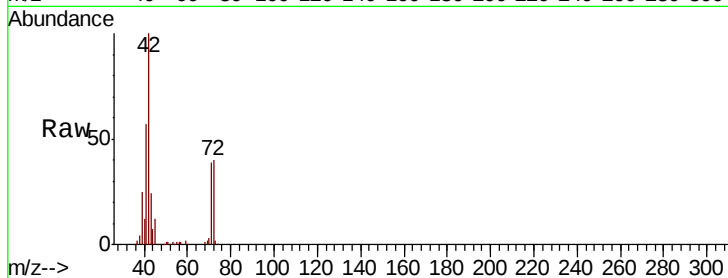
Tot Ion: 42 Resp: 101533

Ion Ratio Lower Upper

42 100

72 42.2 37.6 56.4

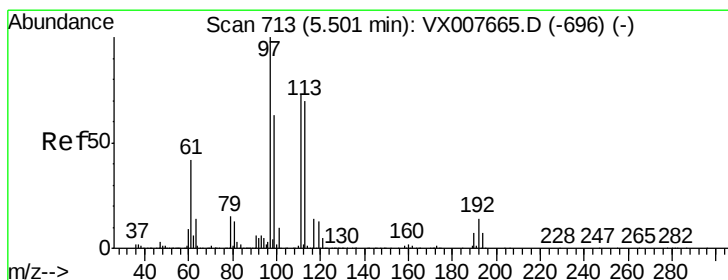
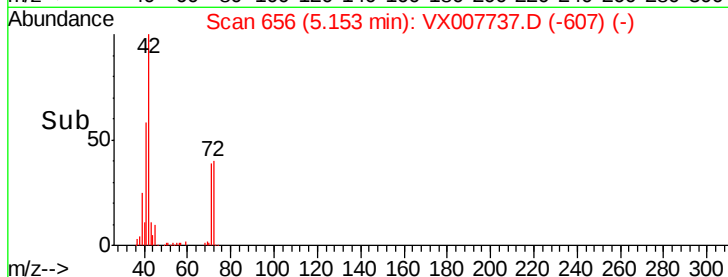
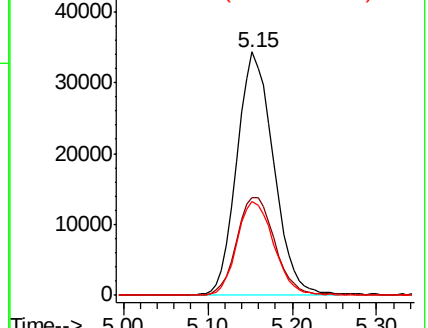
71 39.0 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.375 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

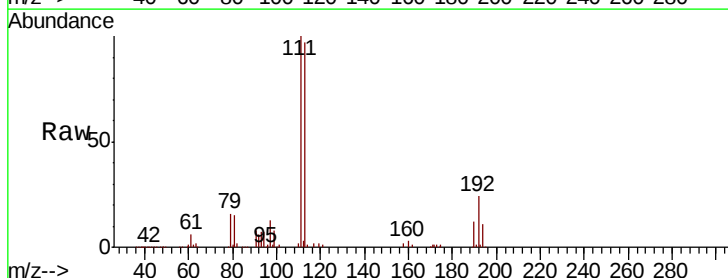
Tgt Ion: 97 Resp: 21818

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

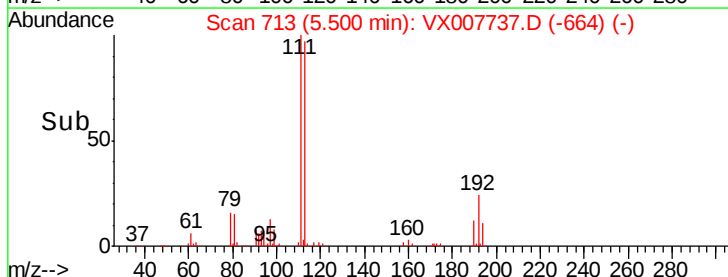
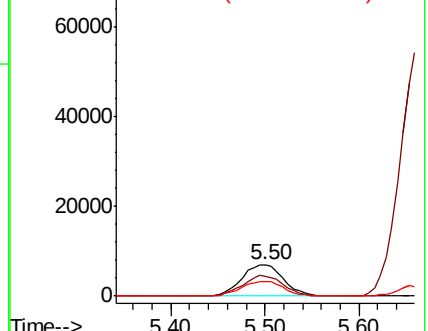
61 46.6 32.7 49.1

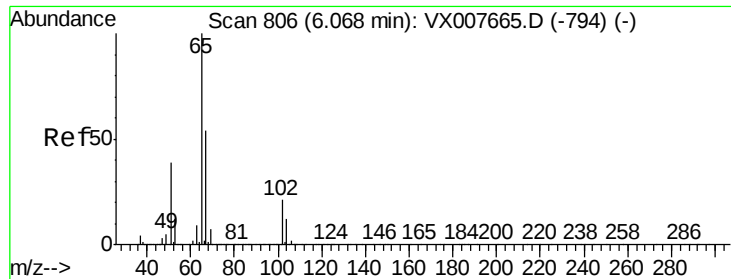


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.647 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

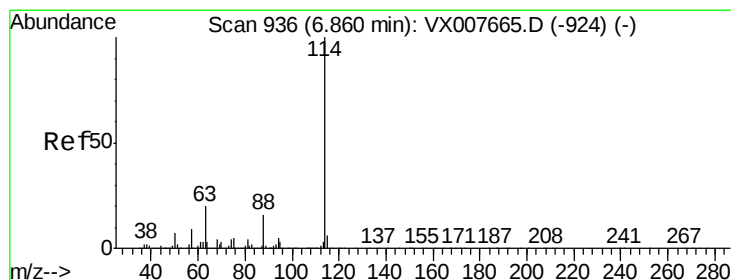
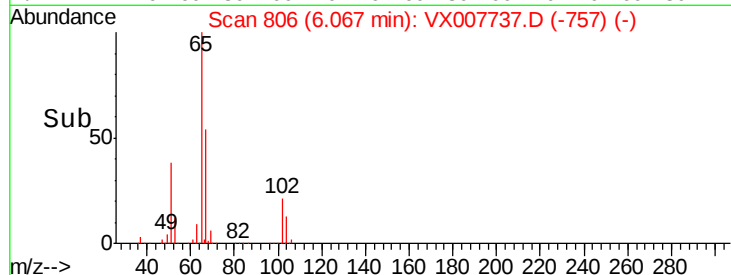
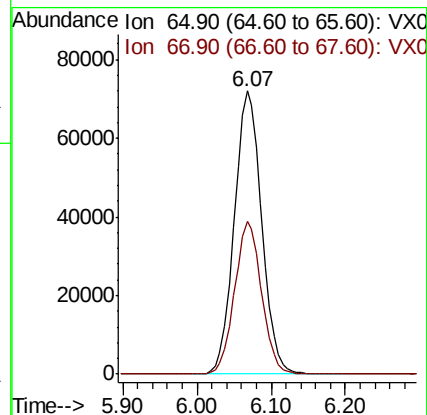
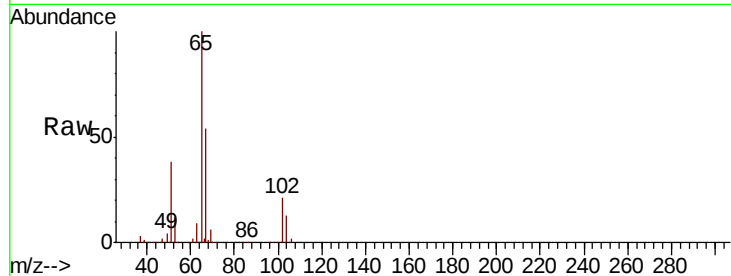
WS-1(BASE-OF-TANK)

Tot Ion: 65 Resp: 185385

Ion Ratio Lower Upper

65 100

67 53.2 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

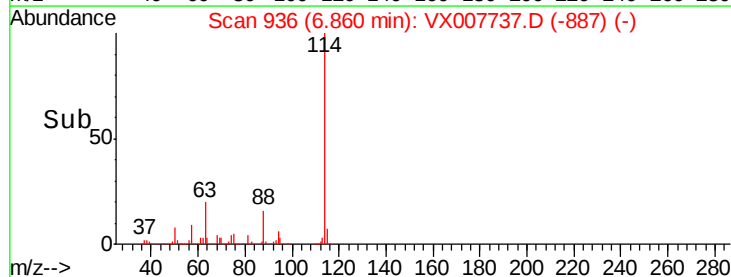
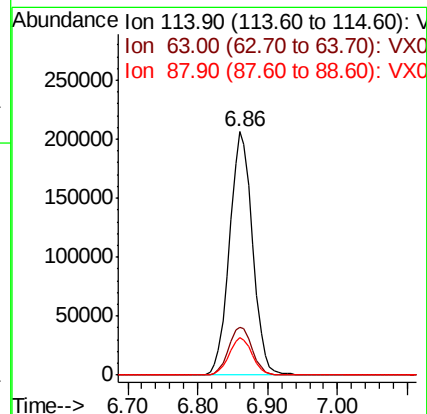
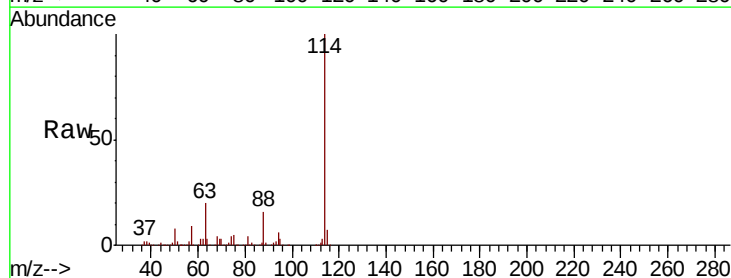
Tgt Ion: 114 Resp: 472678

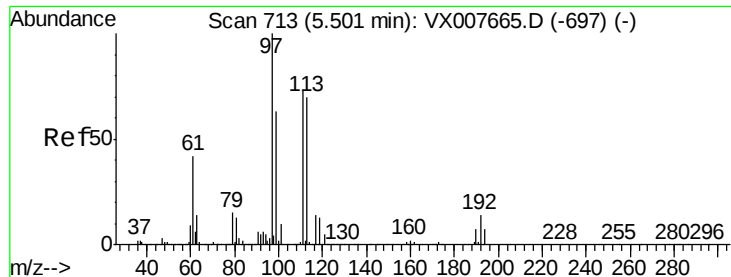
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.6

88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.163 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

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WS-1(BASE-OF-TANK)

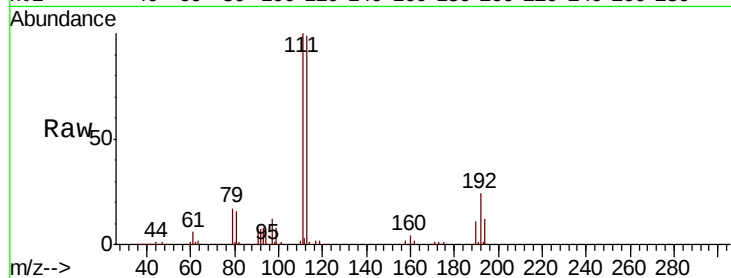
Tot Ion:113 Resp: 155341

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

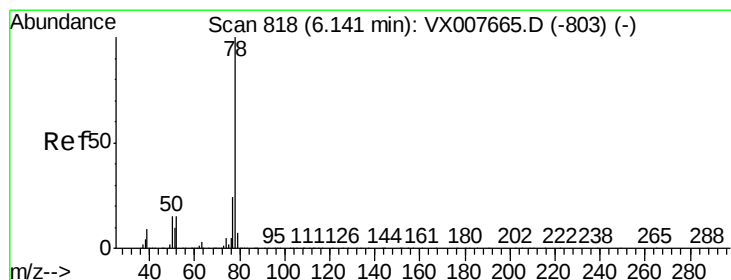
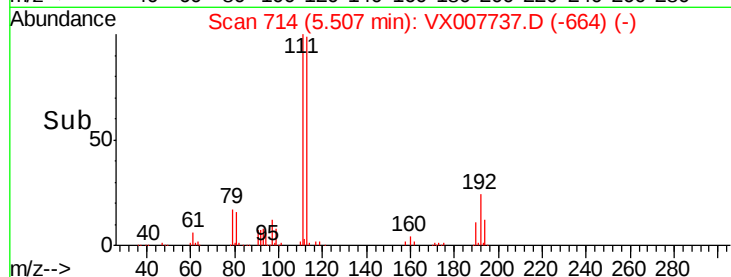
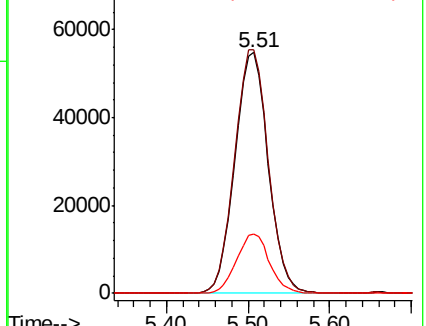
192 24.4 18.5 27.7



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: 1.186 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX007737.D

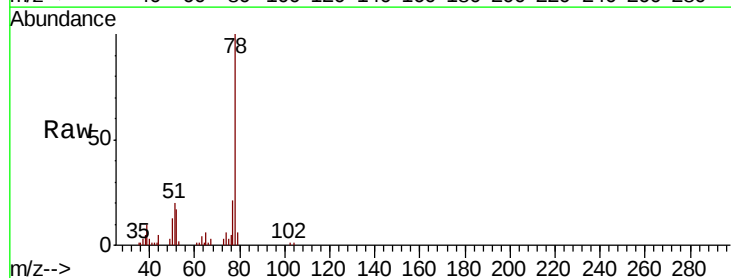
Acq: 27 Feb 2019 16:44

Tgt Ion: 78 Resp: 15560

Ion Ratio Lower Upper

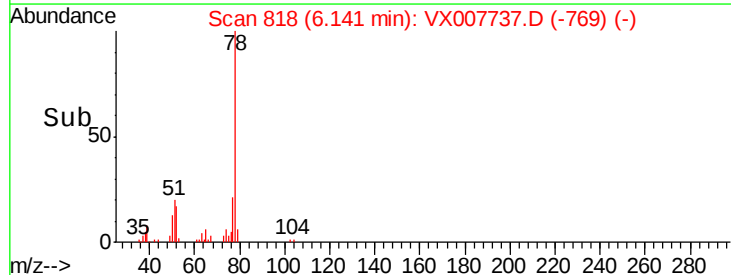
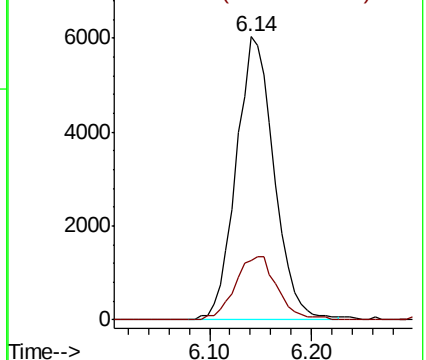
78 100

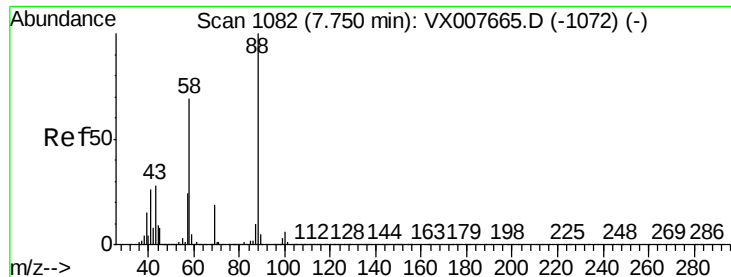
77 20.9 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#49

1,4-Dioxane

Concen: 76.764 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

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ClientSampleId :

WS-1(BASE-OF-TANK)

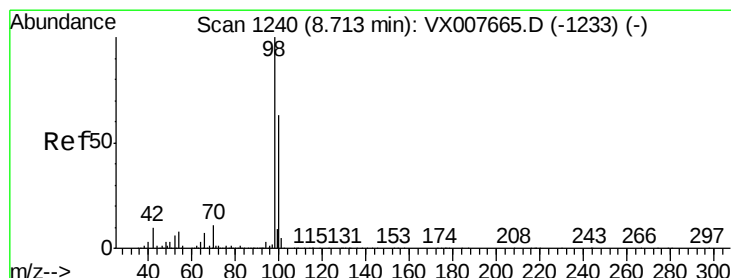
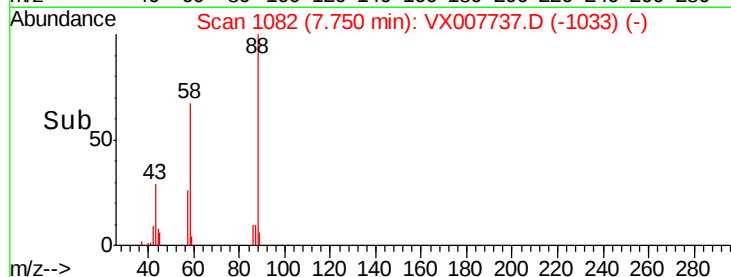
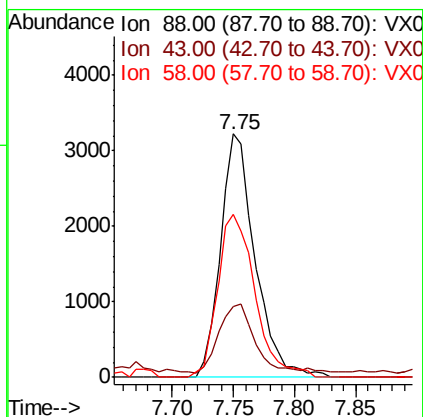
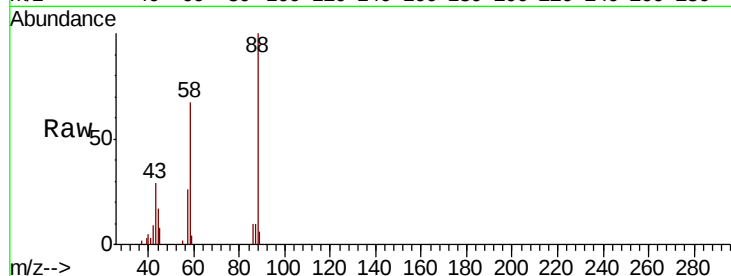
Tot Ion: 88 Resp: 6314

Ion Ratio Lower Upper

88 100

43 29.7 24.2 36.4

58 72.7 53.0 79.4



#50

Toluene-d8

Concen: 47.964 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007737.D

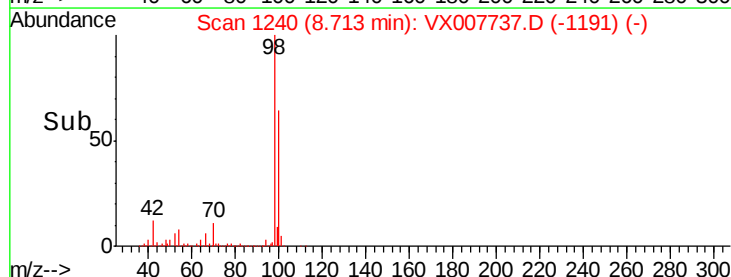
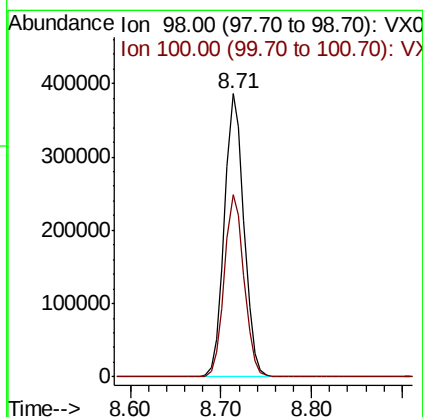
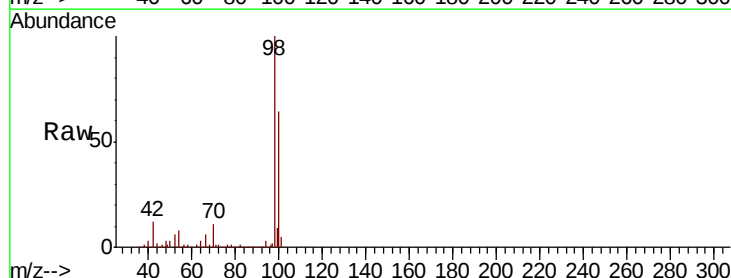
Acq: 27 Feb 2019 16:44

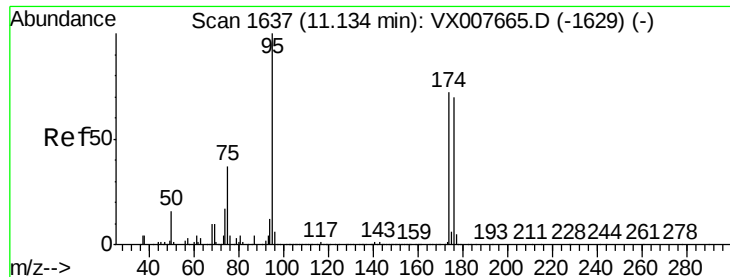
Tgt Ion: 98 Resp: 580194

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 47.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

WS-1(BASE-OF-TANK)

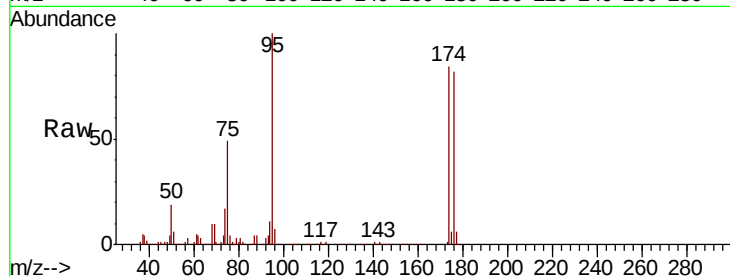
Tot Ion: 95 Resp: 208721

Ion Ratio Lower Upper

95 100

174 92.5 0.0 189.2

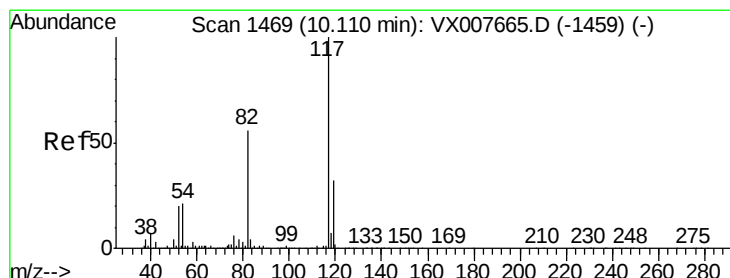
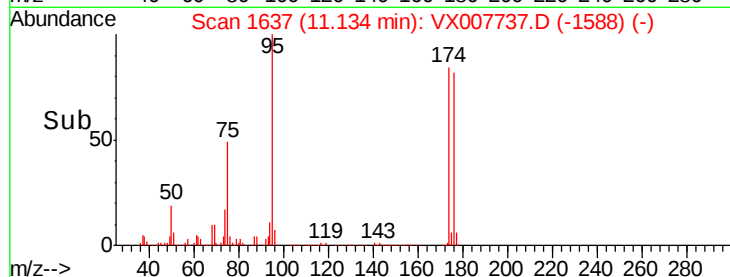
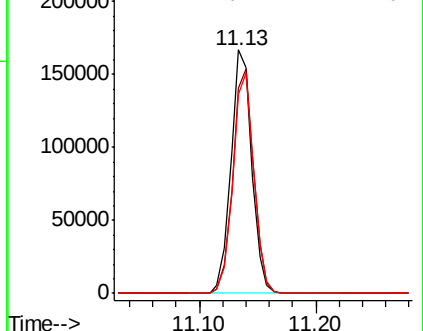
176 90.4 0.0 186.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

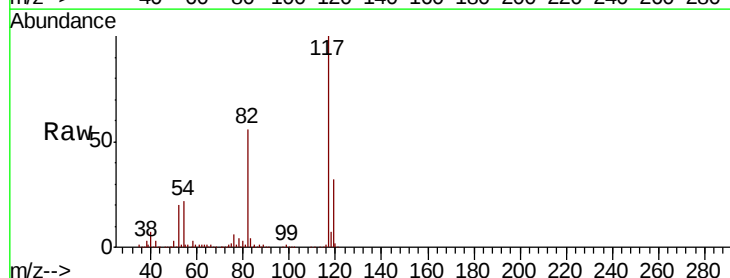
Tgt Ion: 117 Resp: 451008

Ion Ratio Lower Upper

117 100

82 56.2 42.1 63.1

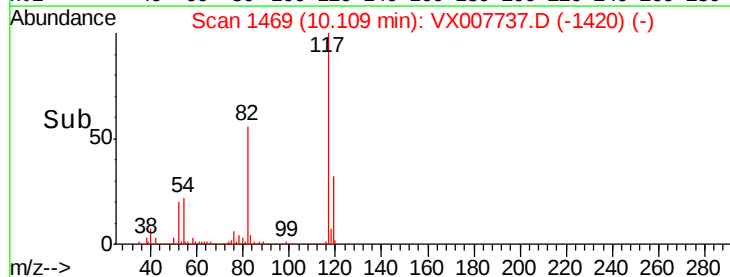
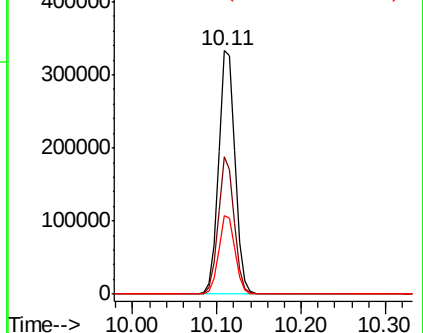
119 32.0 26.5 39.7

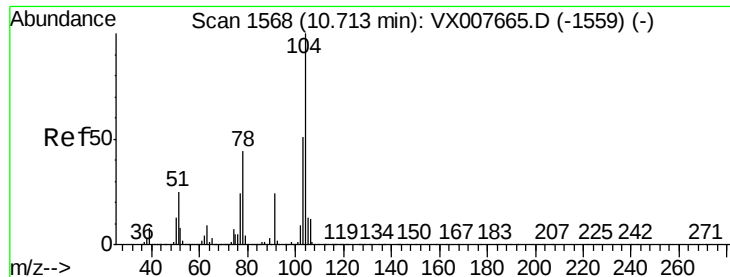


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#70

Stvrene

Concen: 1.547 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX007737.D

Acq: 27 Feb 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

WS-1(BASE-OF-TANK)

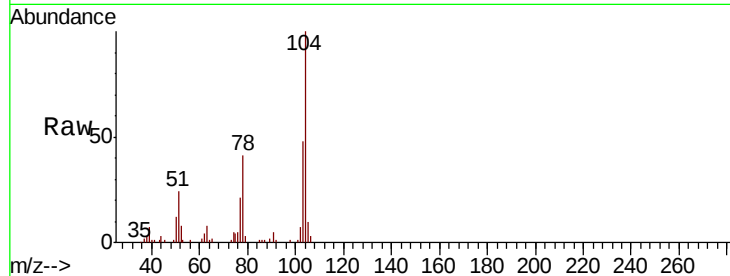
Tot Ion:104 Resp: 15371

Ion Ratio Lower Upper

104 100

78 44.0 38.3 57.5

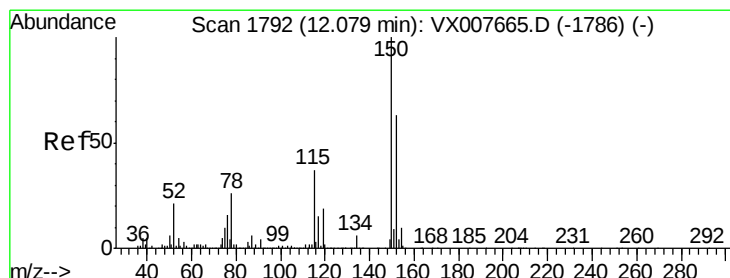
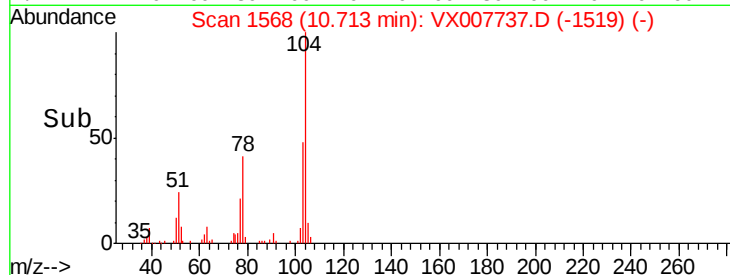
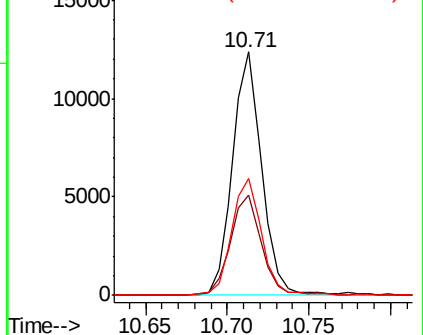
103 49.2 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX007737.D

Acq: 27 Feb 2019 16:44

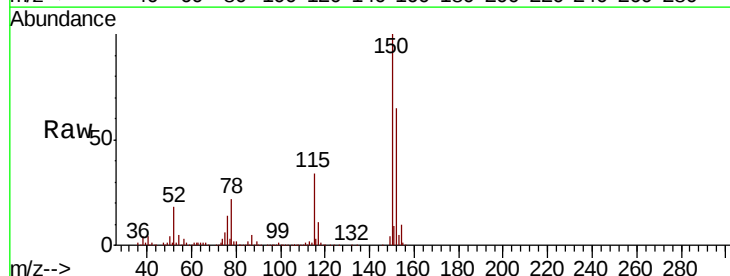
Tgt Ion:152 Resp: 220680

Ion Ratio Lower Upper

152 100

115 54.7 38.0 114.0

150 155.9 0.0 346.4



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

