

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006370.D
 Acq On : 10 Dec 2018 15:19
 Operator : JC/MD
 Sample : J6332-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 11 03:57:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	791671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1209144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1086107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	532981	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	391497	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	5.51	113	375994	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	8.71	98	1405435	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	525562	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

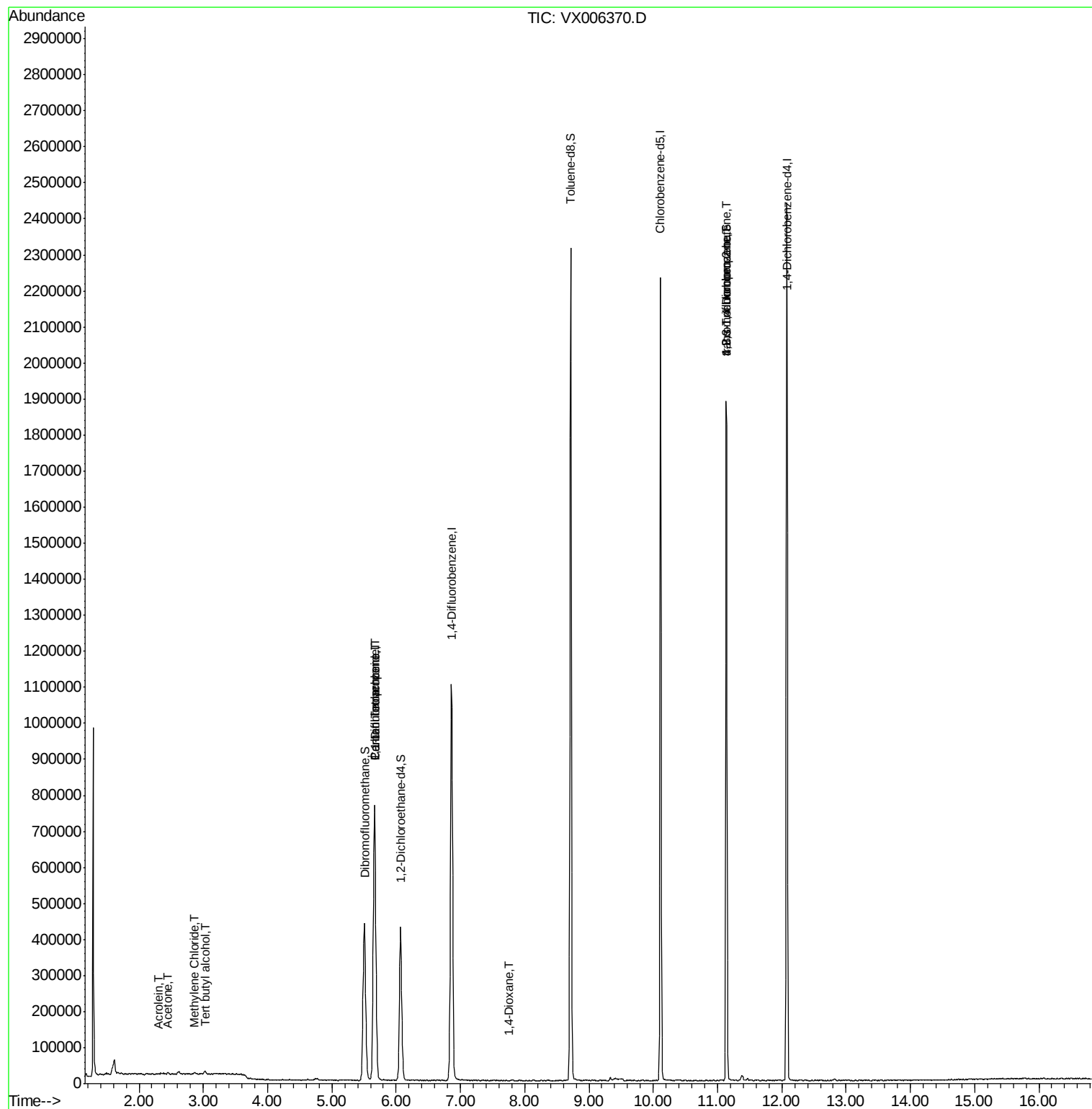
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	5968	2.700	ug/l #	73
13) Acrolein	2.31	56	417	0.345	ug/l #	68
16) Acetone	2.45	43	6049	1.595	ug/l #	83
20) Methylene Chloride	2.85	84	2991	0.371	ug/l #	67
36) 1,1-Dichloropropene	5.67	75	50847	4.994	ug/l #	47
38) Carbon Tetrachloride	5.67	117	71298	5.952	ug/l #	16
49) 1,4-Dioxane	7.76	88	57	0.250	ug/l #	27
76) 1,2,3-Trichloropropane	11.13	75	237856	23.121	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	237856	54.259	ug/l #	15

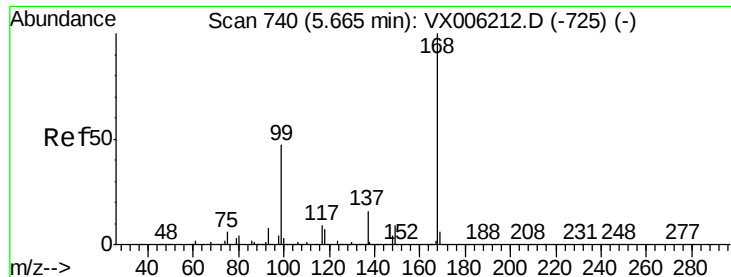
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121018\
Data File : VX006370.D
Acq On : 10 Dec 2018 15:19
Operator : JC/MD
Sample : J6332-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 11 03:57:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

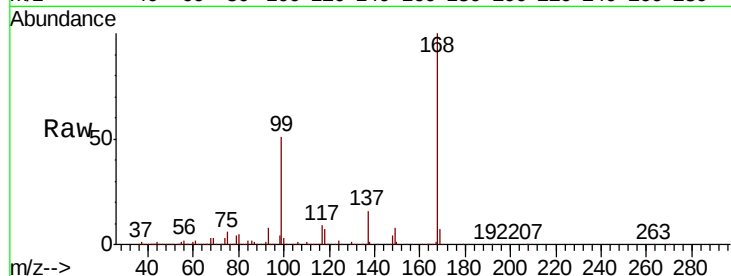
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 791671

Ion Ratio Lower Upper

168 100

99 51.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

300000

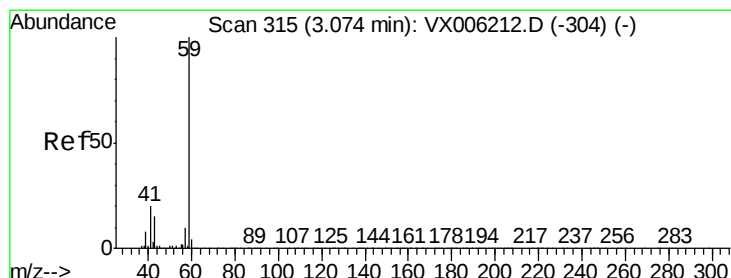
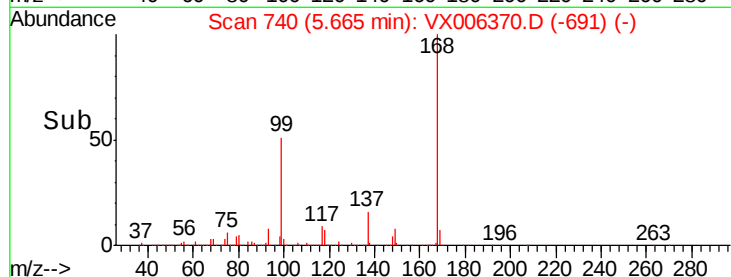
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.700 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX006370.D

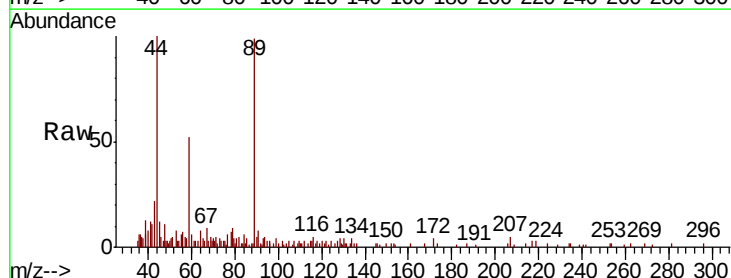
Acq: 10 Dec 2018 15:19

Tgt Ion: 59 Resp: 5968

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

2500

2000

1500

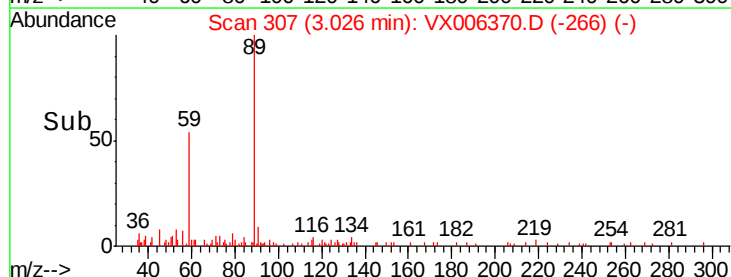
1000

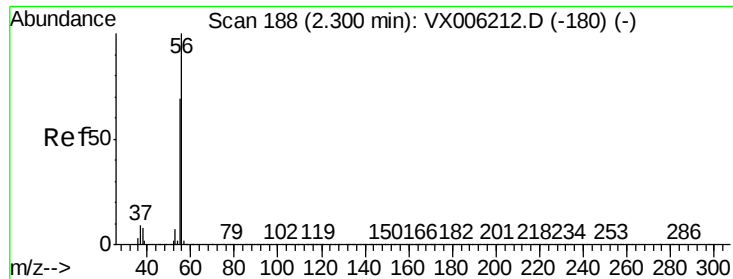
500

0

Time-->

2.95 3.00 3.05 3.10

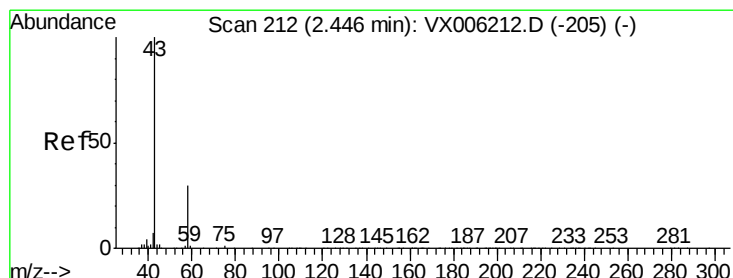
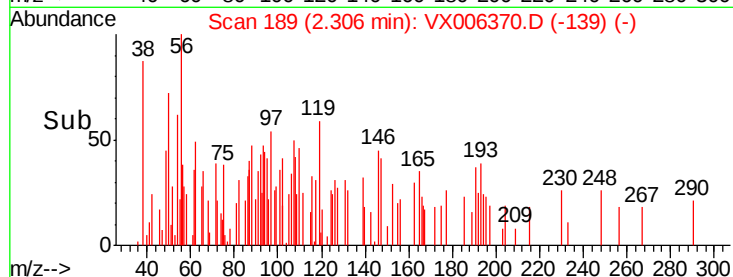
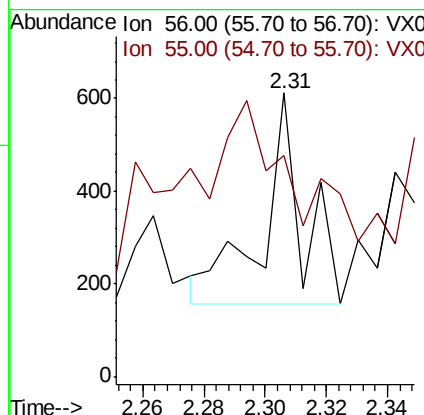
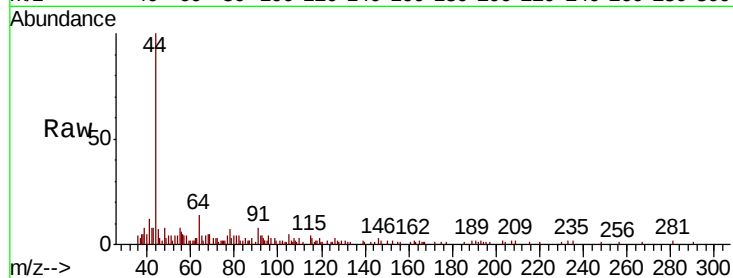




#13
Acrolein
Concen: 0.345 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006370.D
Acq: 10 Dec 2018 15:19

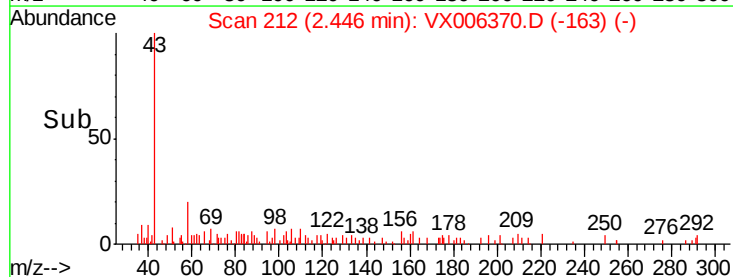
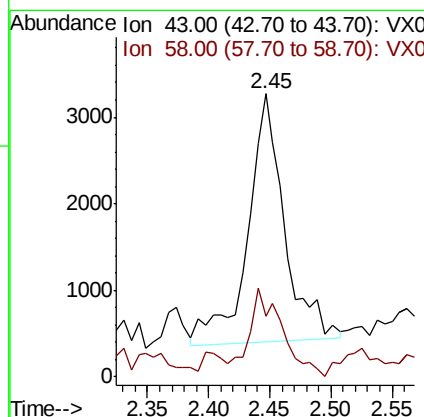
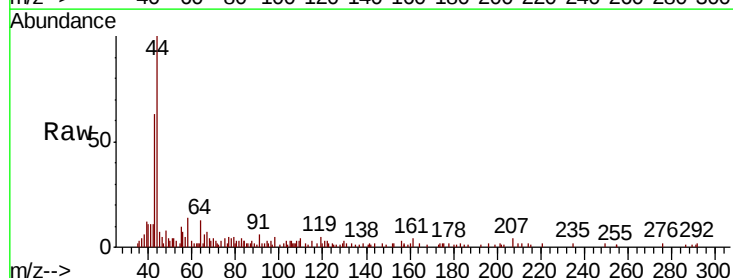
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

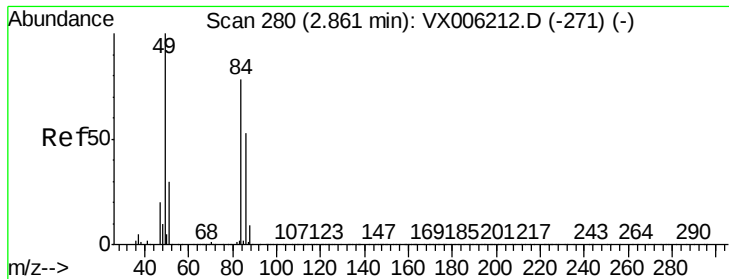
Tot Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
55 99.0 57.8 86.6#



#16
Acetone
Concen: 1.595 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006370.D
Acq: 10 Dec 2018 15:19

Tgt Ion: 43 Resp: 6049
Ion Ratio Lower Upper
43 100
58 20.9 24.0 36.0#





#20

Methylene Chloride

Concen: 0.371 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 84 Resp: 2991

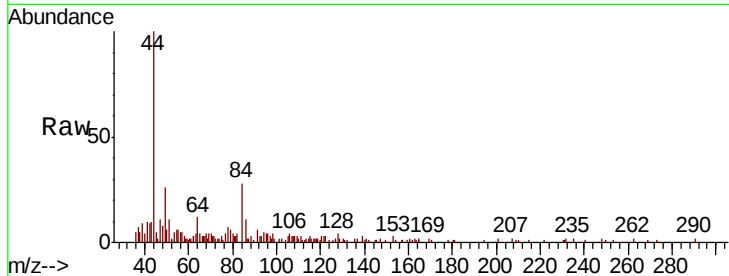
Ion Ratio Lower Upper

84 100

49 83.5 102.2 153.4#

51 21.7 31.1 46.7#

86 46.2 53.7 80.5#



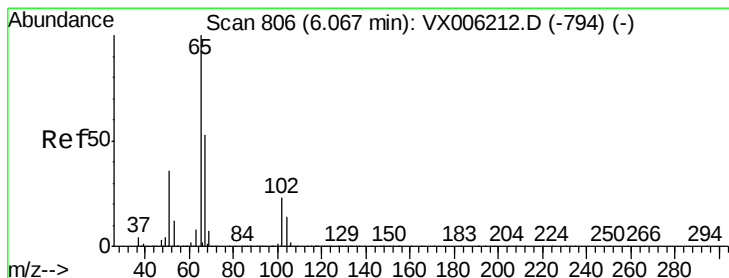
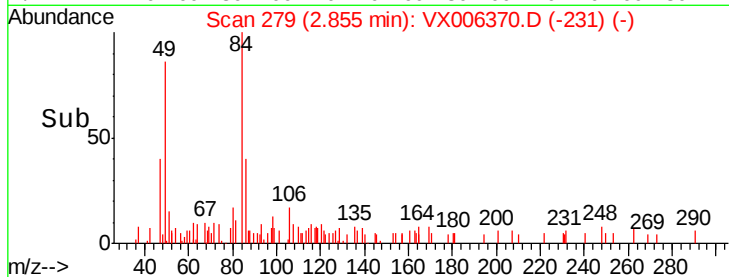
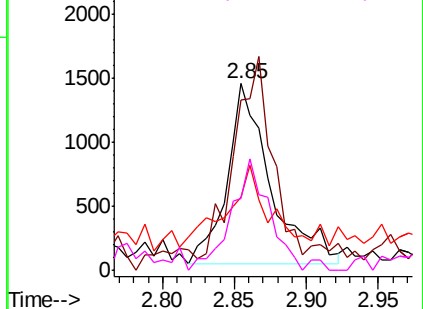
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.442 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006370.D

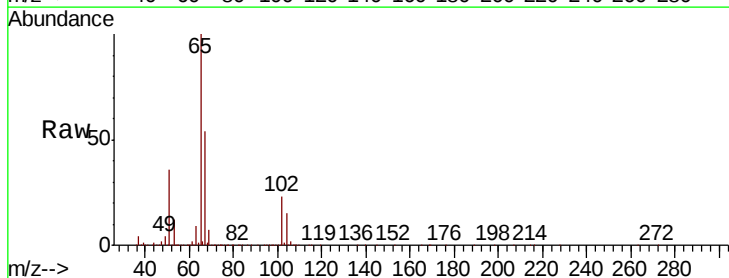
Acq: 10 Dec 2018 15:19

Tgt Ion: 65 Resp: 391497

Ion Ratio Lower Upper

65 100

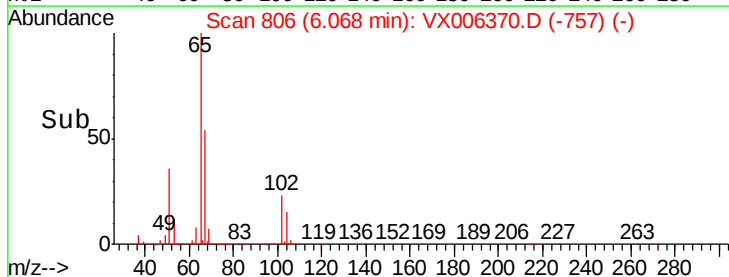
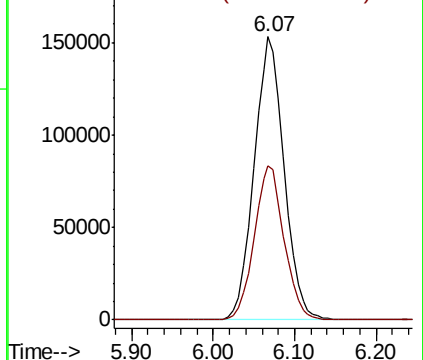
67 54.2 0.0 107.2

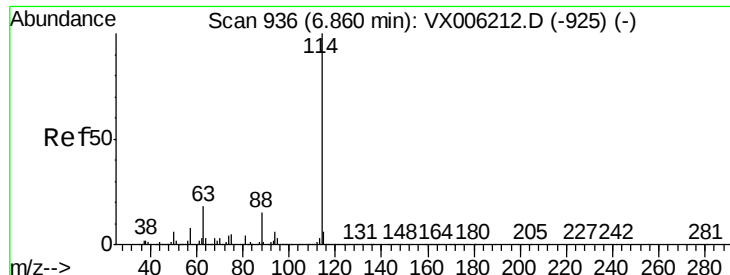


Abundance

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: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

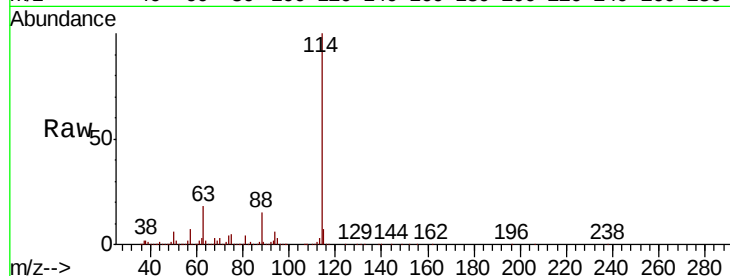
Tot Ion:114 Resp: 1209144

Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

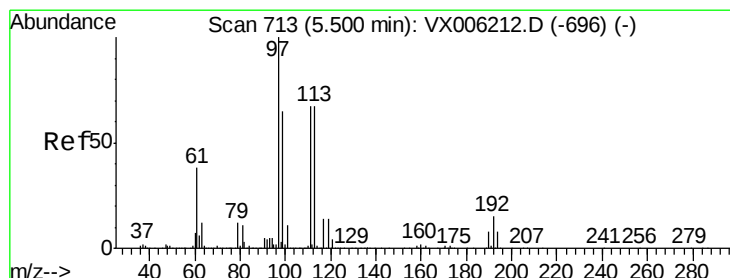
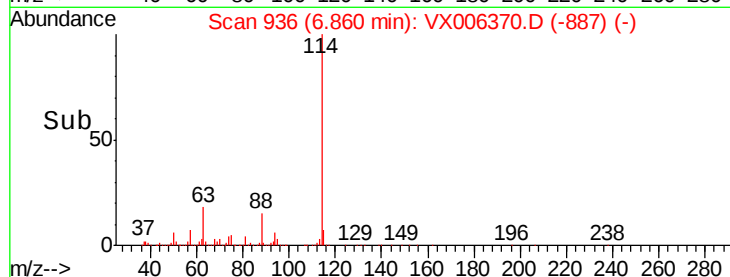
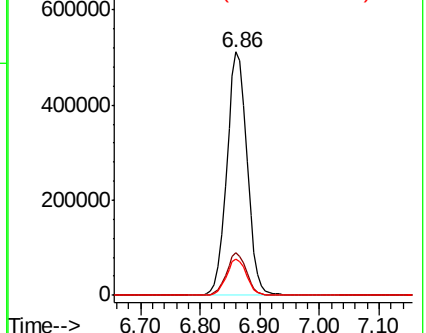
88 15.0 0.0 29.0



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: 48.027 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

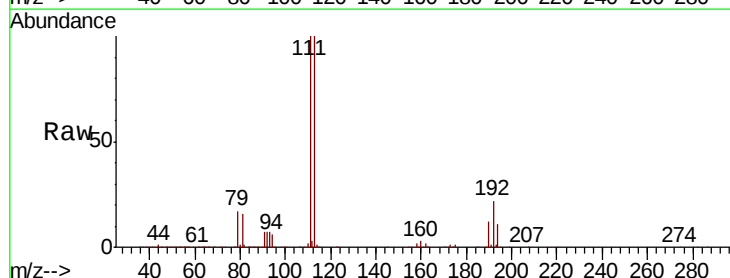
Tgt Ion:113 Resp: 375994

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

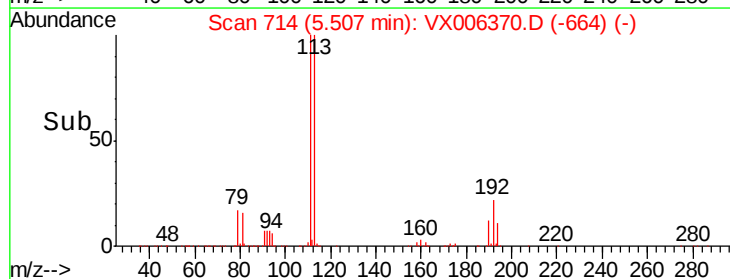
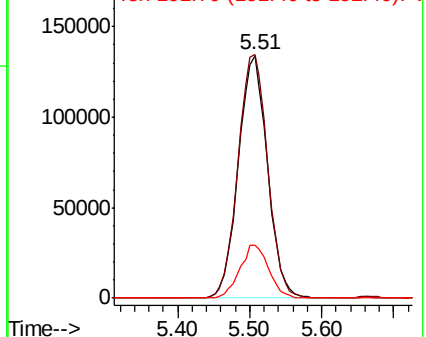
192 21.7 18.2 27.2

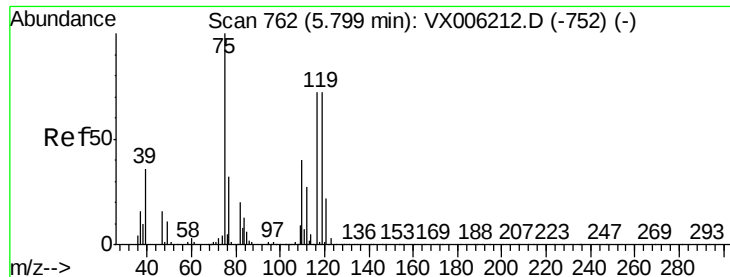


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.994 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

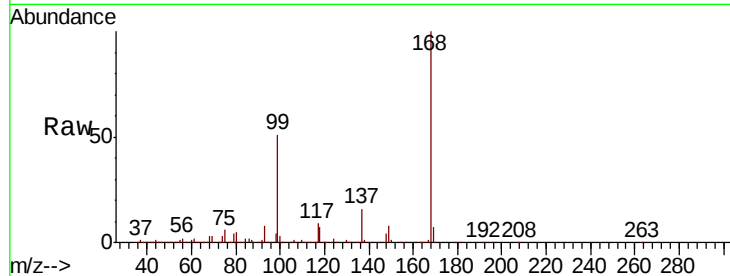
Tot Ion: 75 Resp: 50847

Ion Ratio Lower Upper

75 100

110 9.7 20.4 61.3#

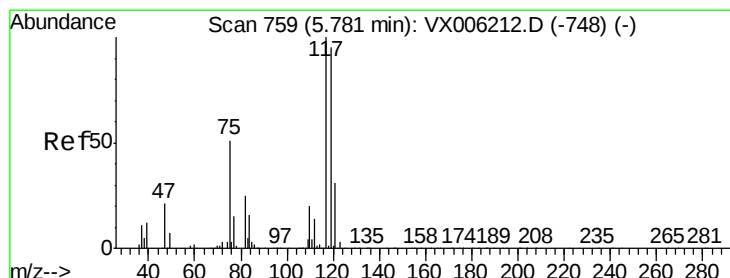
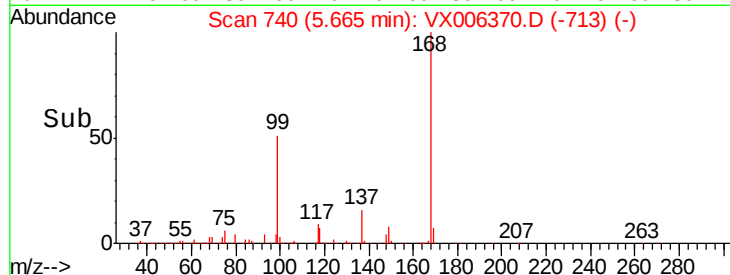
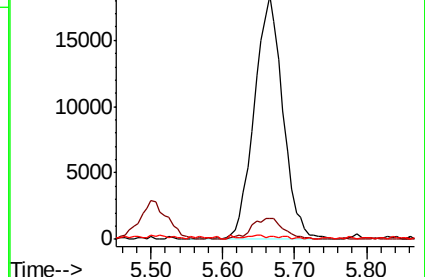
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX006370.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX006370.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX006370.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 5.952 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

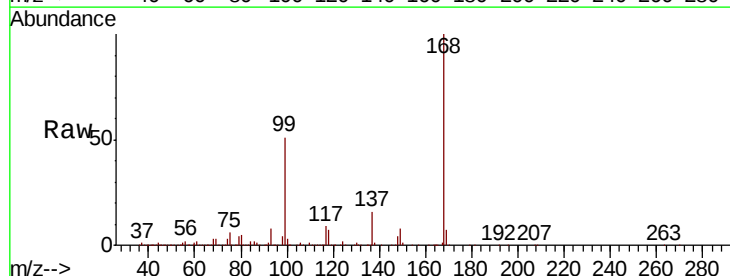
Tgt Ion: 117 Resp: 71298

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

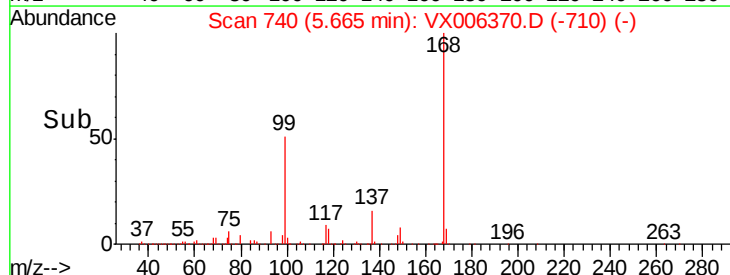
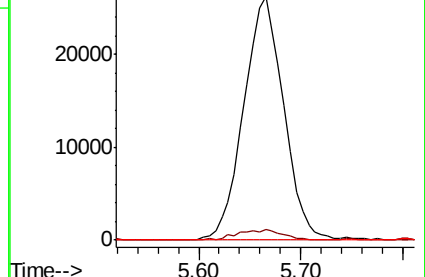
121 0.3 24.6 37.0#

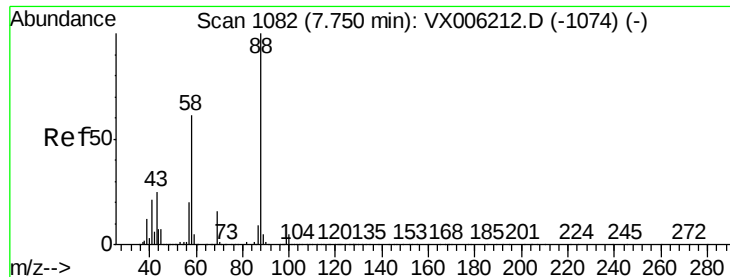


Abundance Ion 116.80 (116.50 to 117.50): VX006370.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006370.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006370.D (-710) (-)





#49

1,4-Dioxane

Concen: 0.250 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

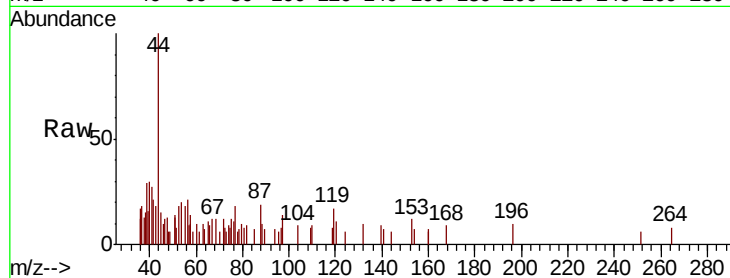
Tot Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

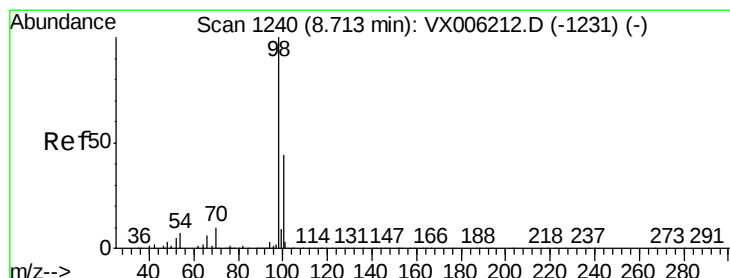
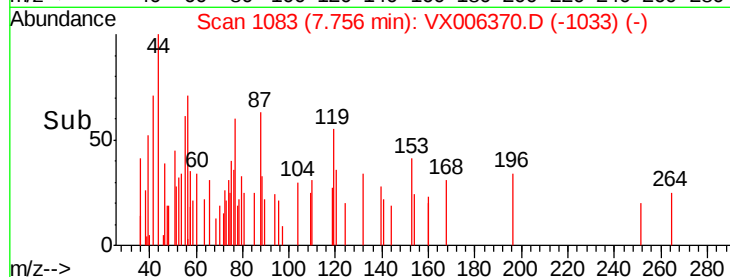
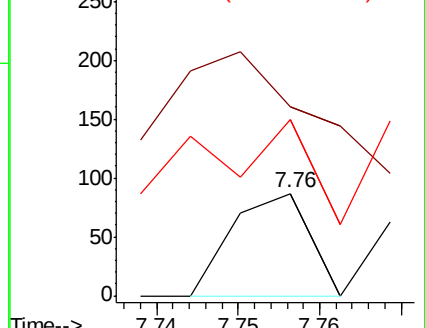
58 0.0 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.354 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006370.D

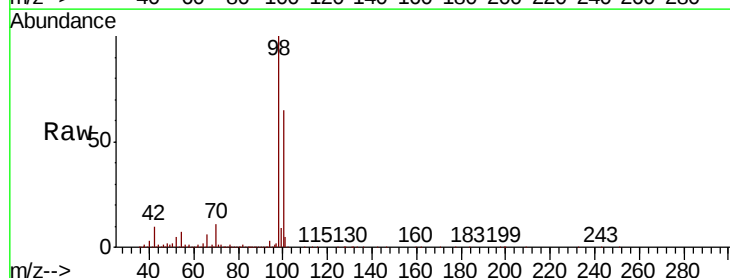
Acq: 10 Dec 2018 15:19

Tgt Ion: 98 Resp: 1405435

Ion Ratio Lower Upper

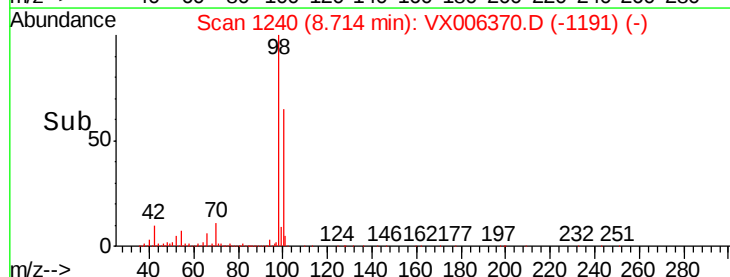
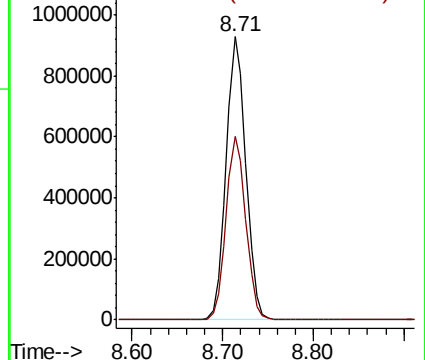
98 100

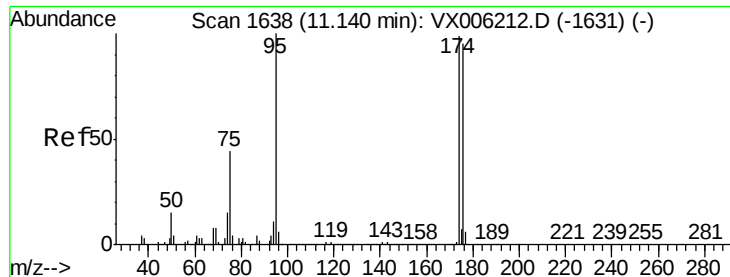
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.977 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

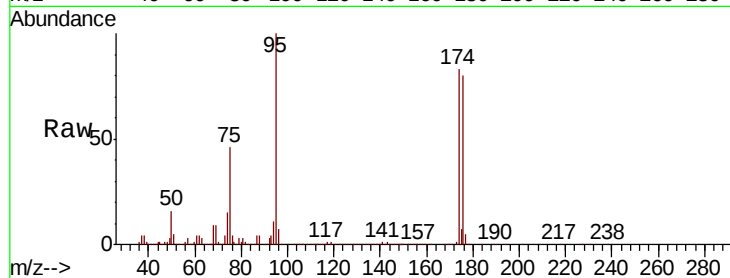
Tot Ion: 95 Resp: 525562

Ion Ratio Lower Upper

95 100

174 88.1 0.0 187.0

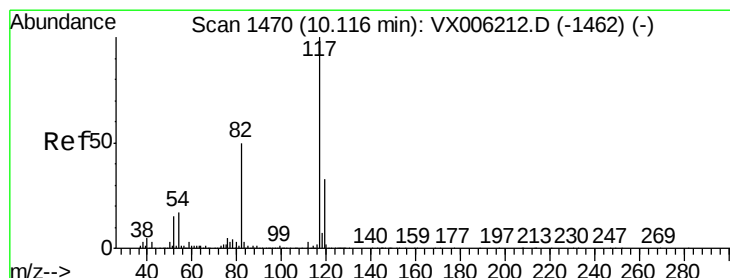
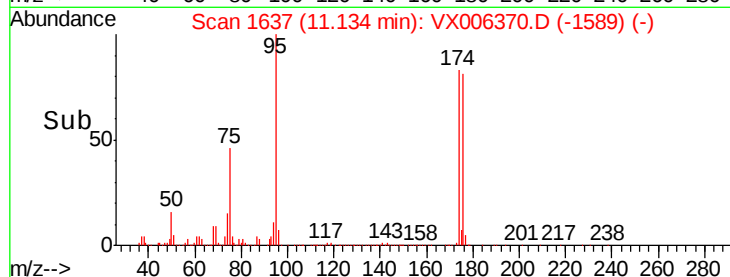
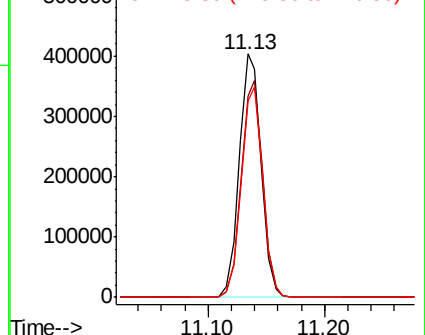
176 85.4 0.0 181.8



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: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

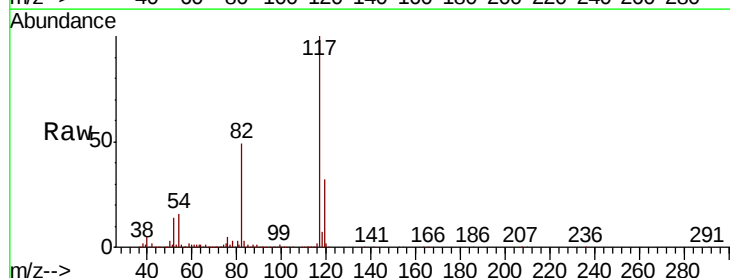
Tgt Ion: 117 Resp: 1086107

Ion Ratio Lower Upper

117 100

82 48.6 39.6 59.4

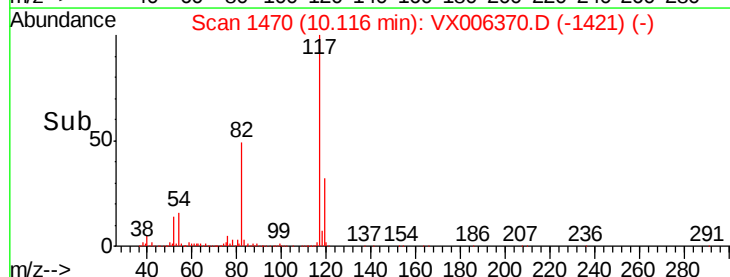
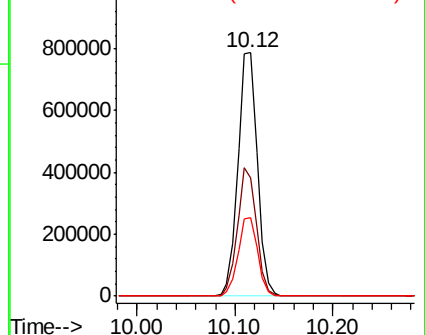
119 32.1 26.3 39.5

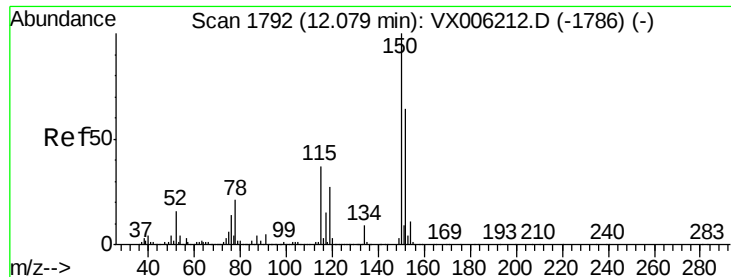


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

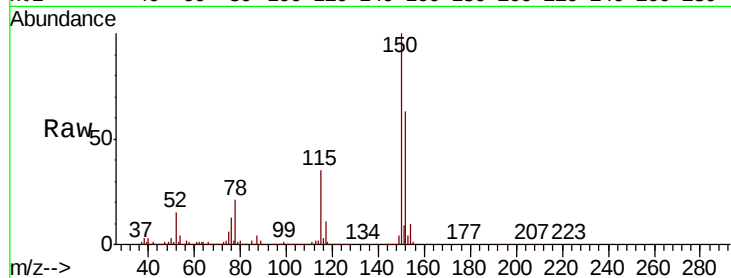
Tot Ion:152 Resp: 532981

Ion Ratio Lower Upper

152 100

115 56.6 39.0 116.9

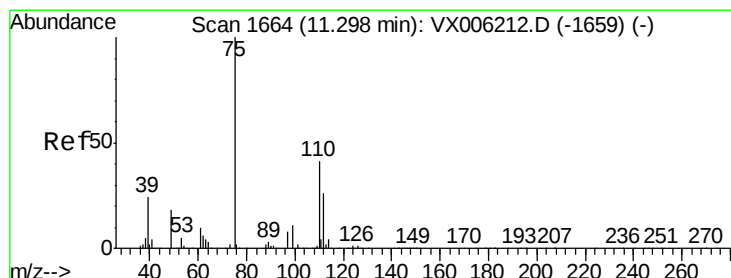
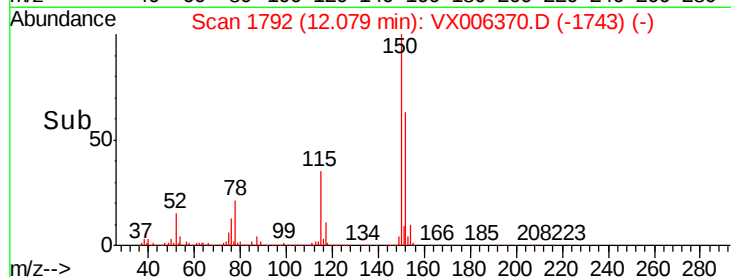
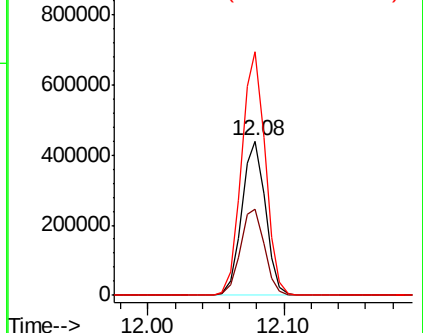
150 157.6 0.0 345.8



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: 23.121 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006370.D

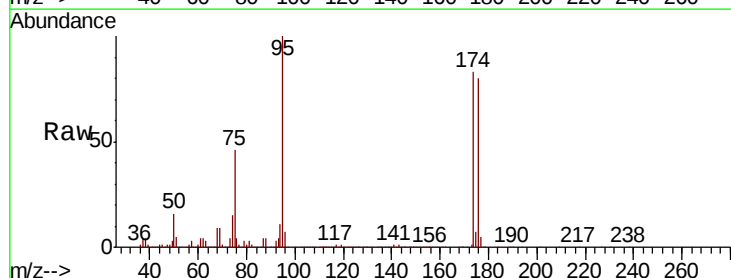
Acq: 10 Dec 2018 15:19

Tgt Ion: 75 Resp: 237856

Ion Ratio Lower Upper

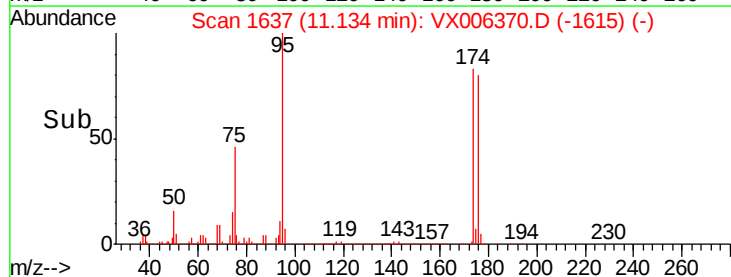
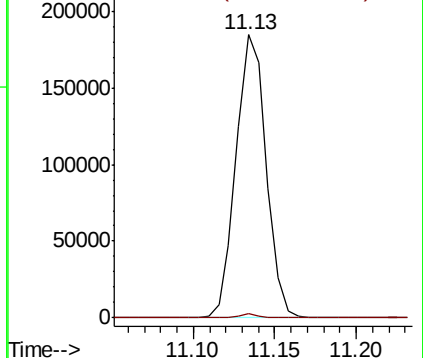
75 100

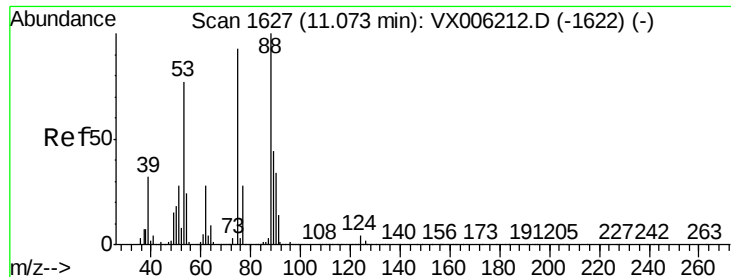
77 1.2 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.259 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006370.D

Acq: 10 Dec 2018 15:19

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 237856

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

89 0.0 44.2 66.4#

