

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061419\
 Data File : VX010307.D
 Acq On : 14 Jun 2019 17:49
 Operator : JC/SP
 Sample : K3384-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 15 01:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	316603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201137	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	145094	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.50	113	146202	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	561744	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.13	95	192247	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

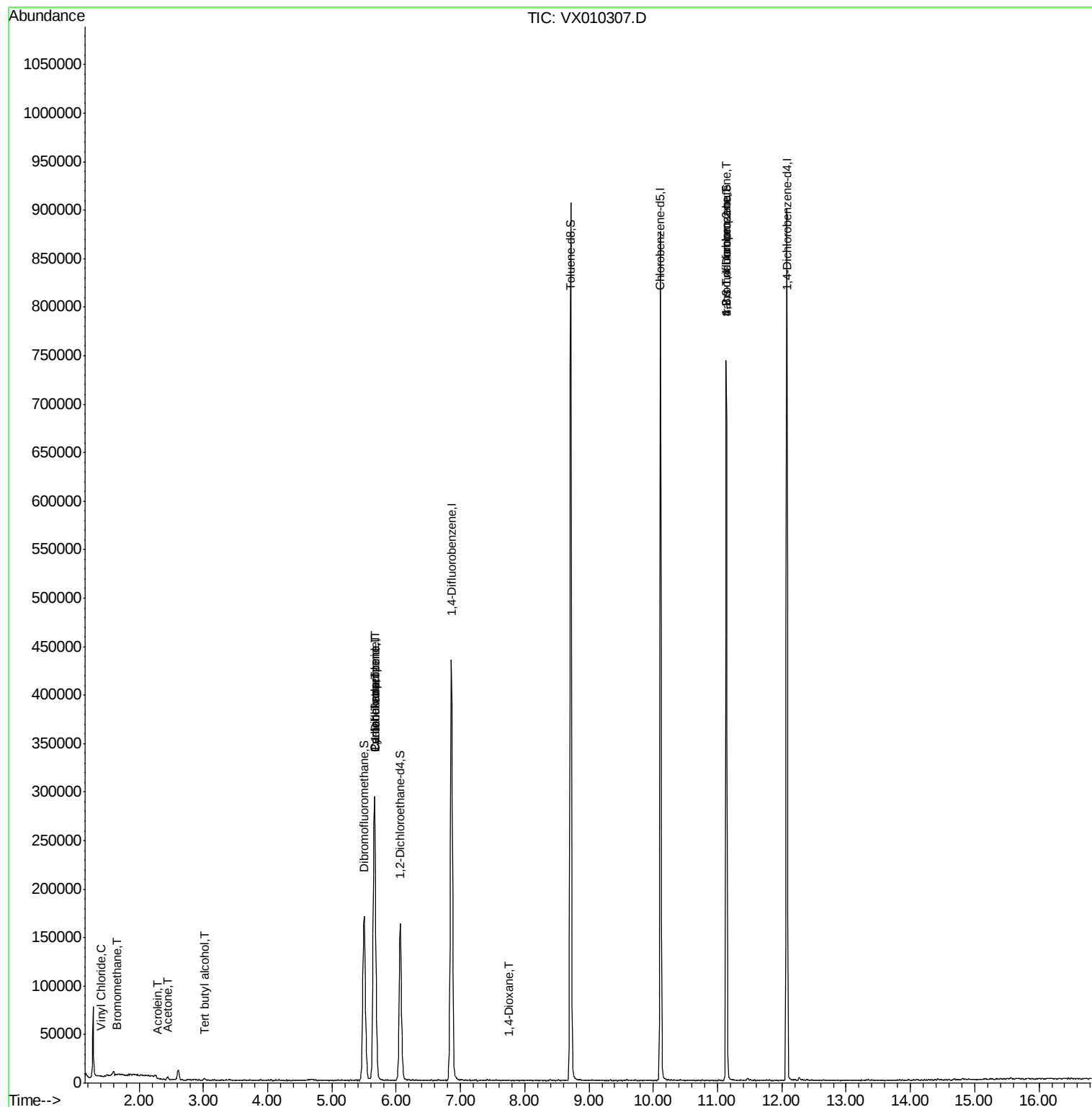
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	571	0.210	ug/l	94
5) Bromomethane	1.66	94	493	0.480	ug/l #	79
11) Tert butyl alcohol	3.02	59	1228	1.622	ug/l #	93
13) Acrolein	2.29	56	100	0.724	ug/l #	16
16) Acetone	2.45	43	2580	1.775	ug/l #	82
31) Cyclohexane	5.66	56	5155	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18747	4.790	ug/l #	52
38) Carbon Tetrachloride	5.67	117	27260	6.154	ug/l #	15
49) 1,4-Dioxane	7.76	88	21	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	89129	22.154	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	89129	48.948	ug/l #	10

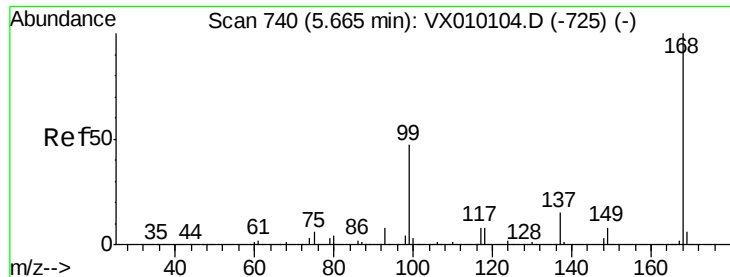
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

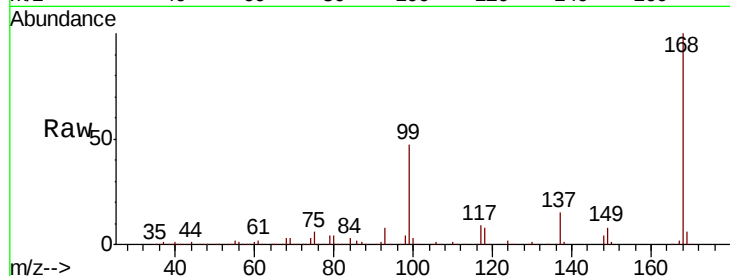
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 316603

Ion Ratio Lower Upper

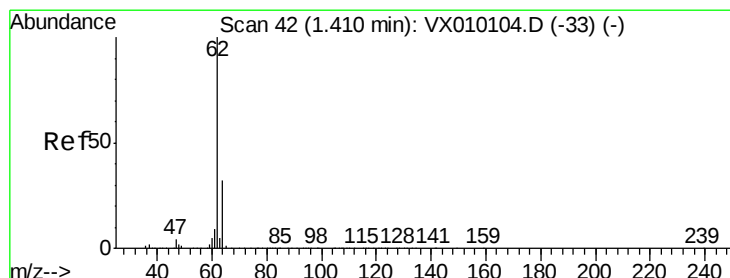
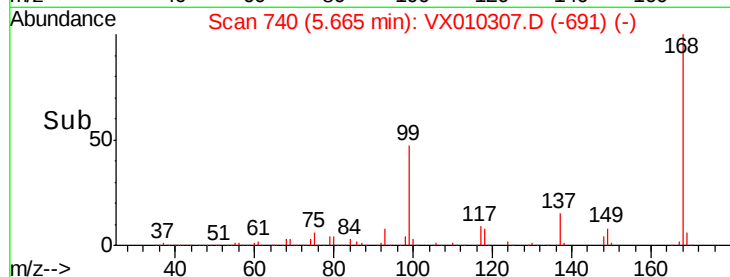
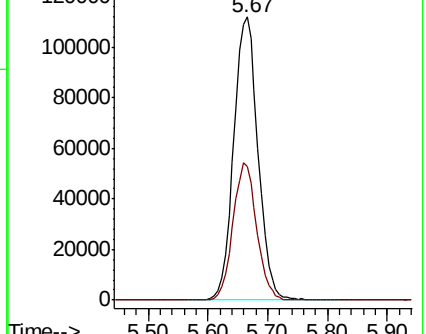
168 100

99 47.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.210 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010307.D

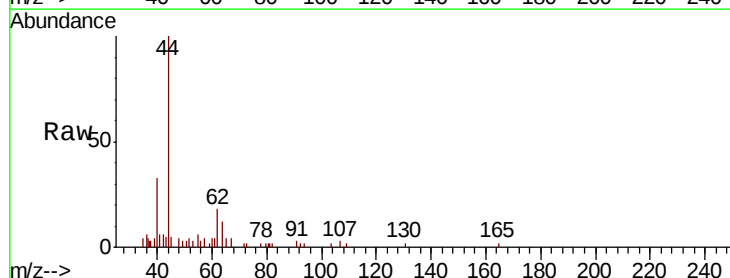
Acq: 14 Jun 2019 17:49

Tgt Ion: 62 Resp: 571

Ion Ratio Lower Upper

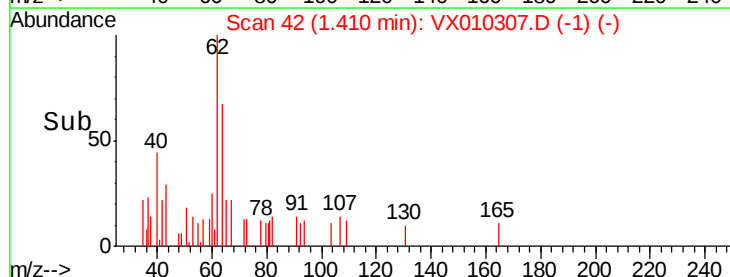
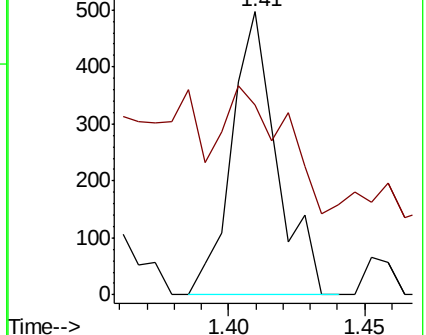
62 100

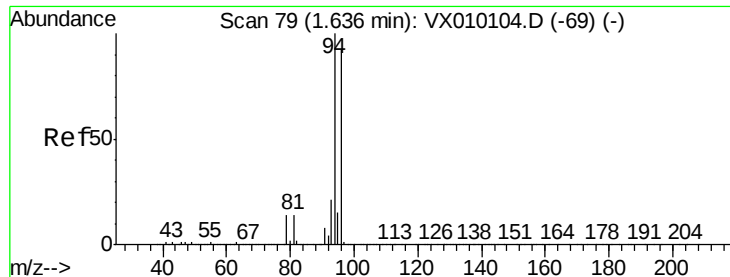
64 35.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.480 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

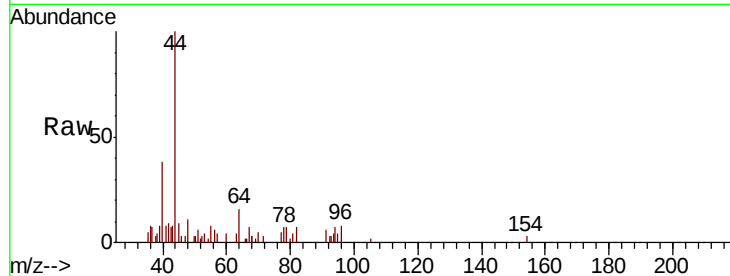
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 493

Ion Ratio Lower Upper

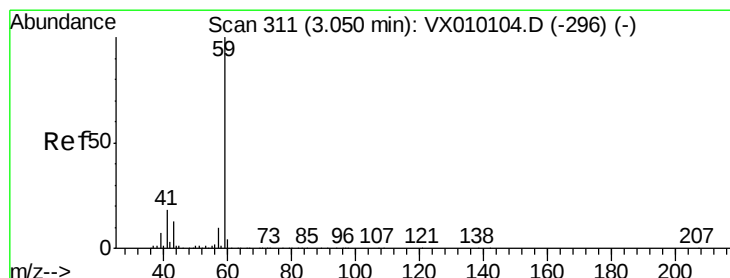
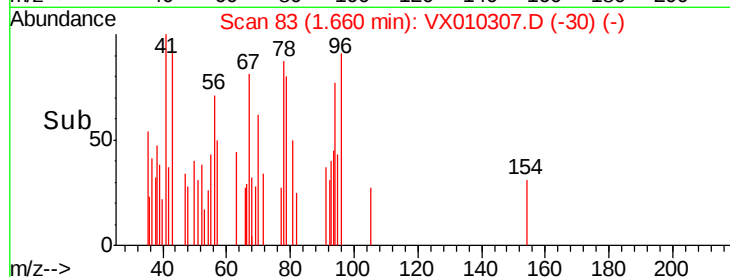
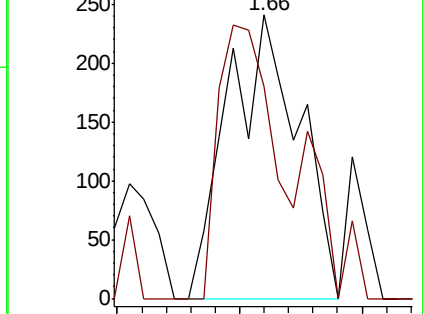
94 100

96 74.7 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 1.622 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010307.D

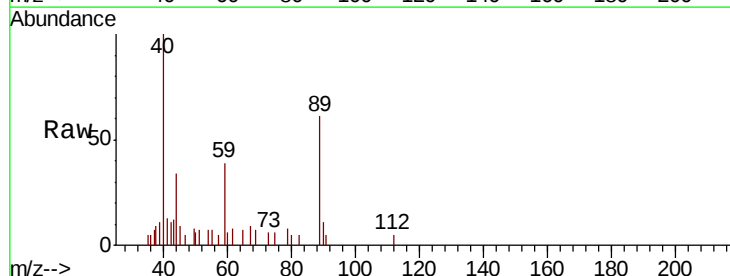
Acq: 14 Jun 2019 17:49

Tgt Ion: 59 Resp: 1228

Ion Ratio Lower Upper

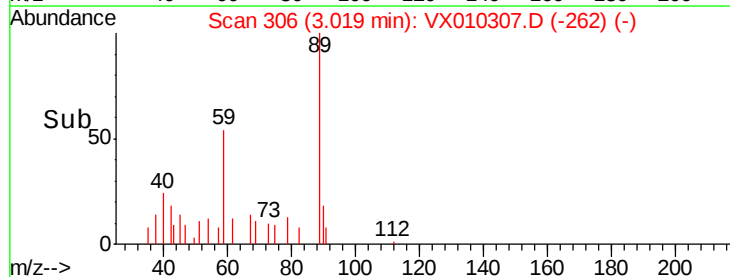
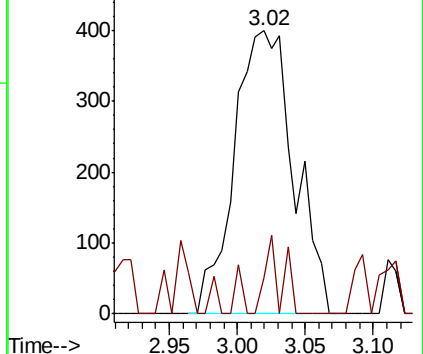
59 100

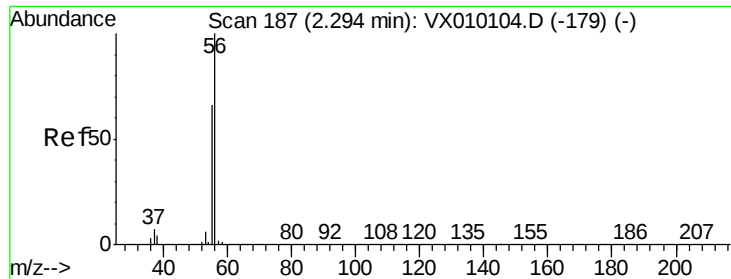
57 7.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.724 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

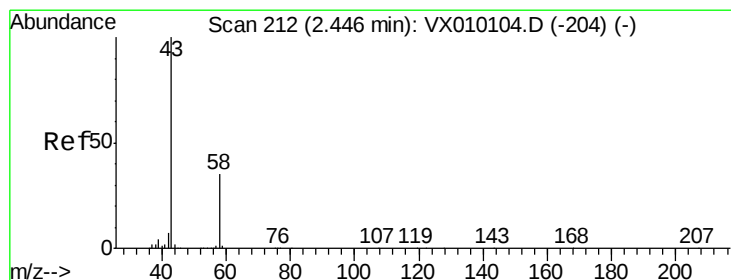
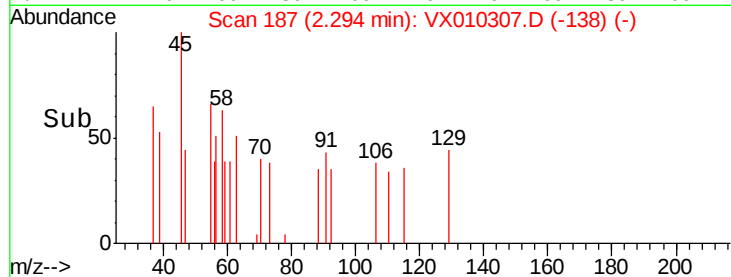
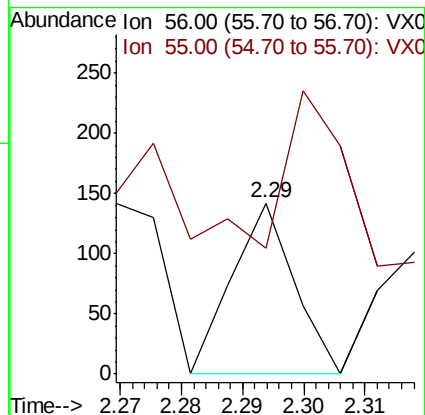
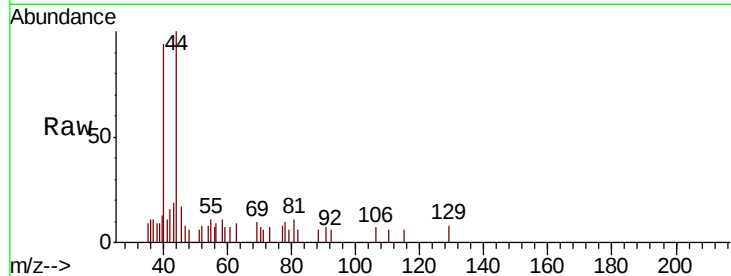
STORAGE-BLANK-WATER-REF-4

Tot Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 141.0 57.0 85.4#



#16

Acetone

Concen: 1.775 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010307.D

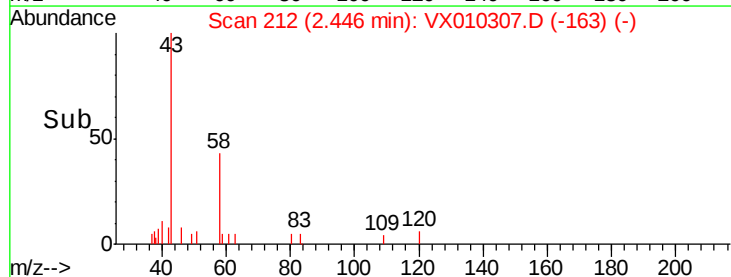
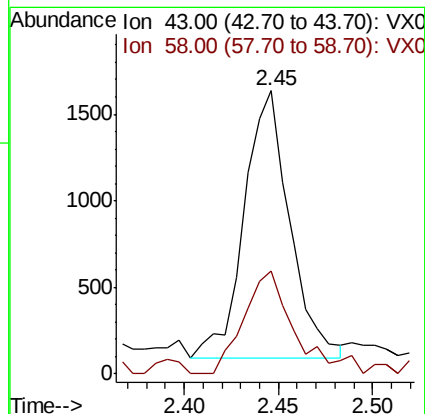
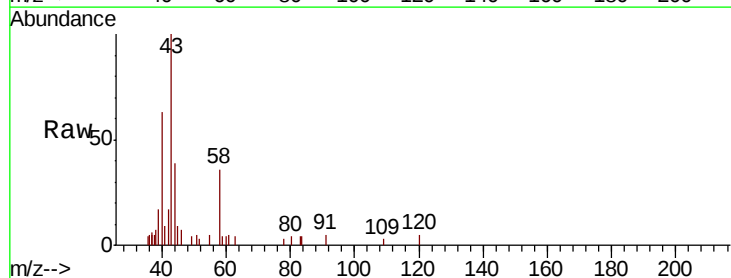
Acq: 14 Jun 2019 17:49

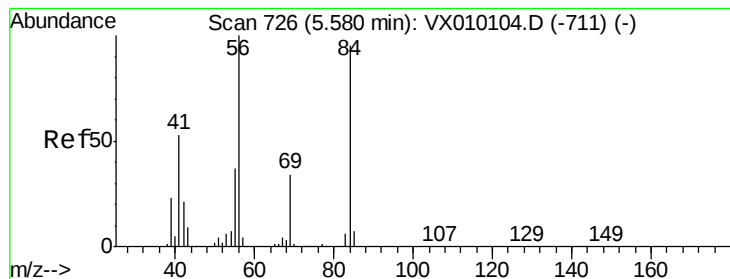
Tgt Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

58 38.5 23.2 34.8#





#31

Cyclohexane

Concen: 1.146 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

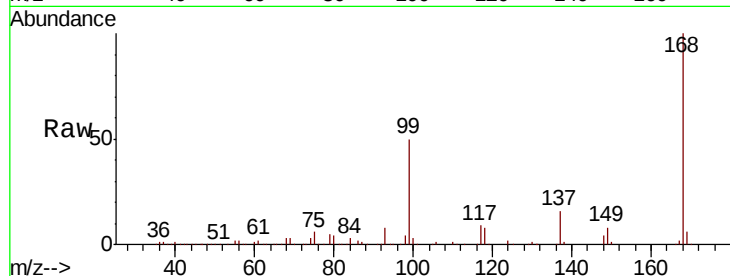
Tot Ion: 56 Resp: 5155

Ion Ratio Lower Upper

56 100

69 174.6 21.6 32.4#

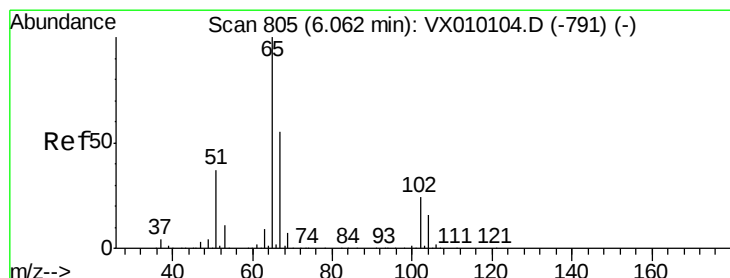
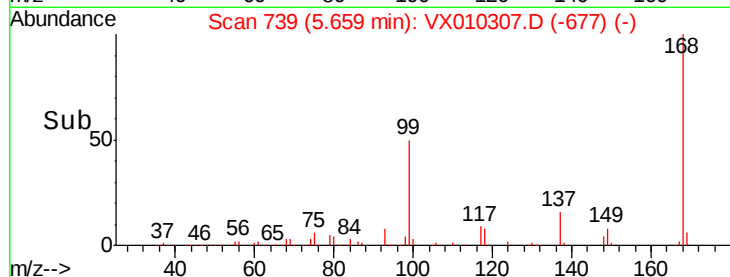
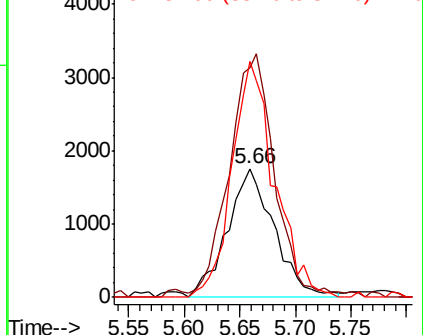
84 183.0 56.8 85.2#



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: 46.950 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010307.D

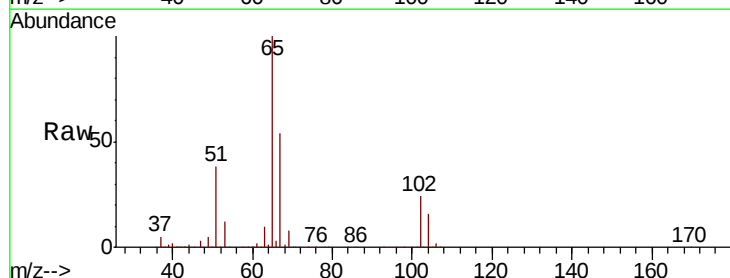
Acq: 14 Jun 2019 17:49

Tgt Ion: 65 Resp: 145094

Ion Ratio Lower Upper

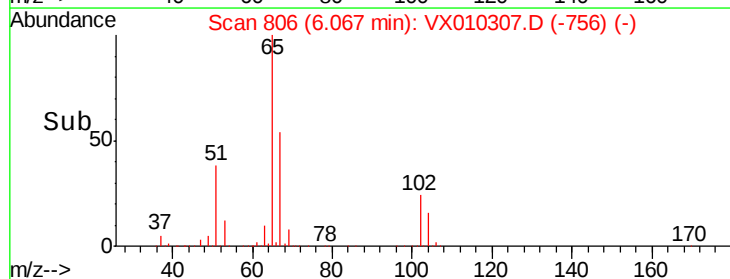
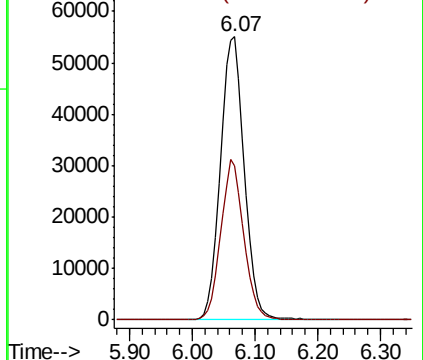
65 100

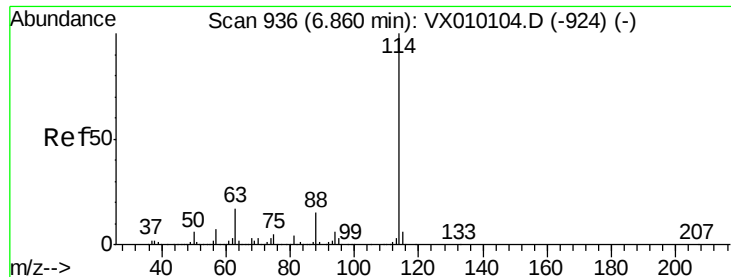
67 54.5 0.0 108.4



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: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

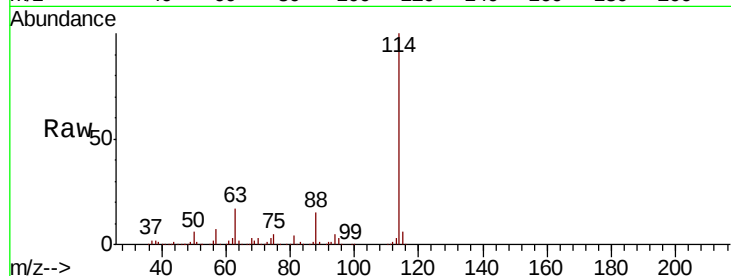
Tot Ion:114 Resp: 479709

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

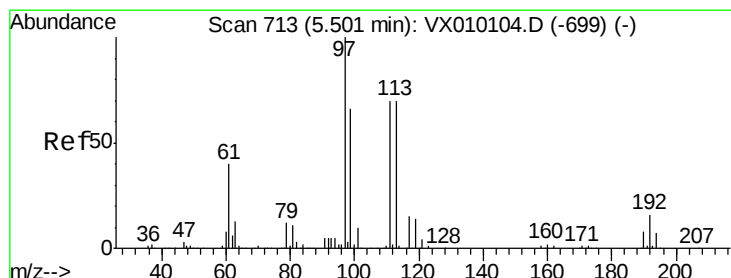
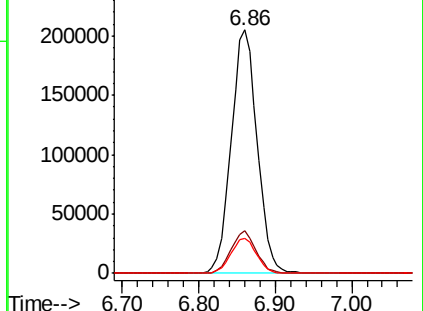
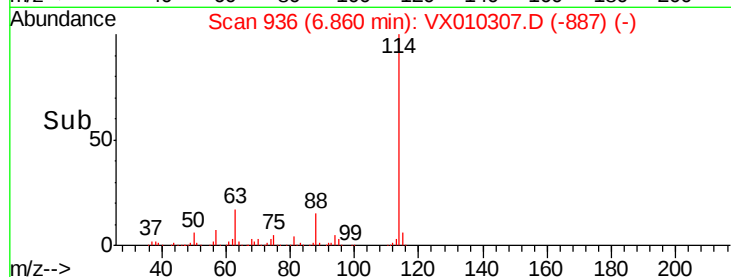
88 14.6 0.0 33.0



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: 49.410 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

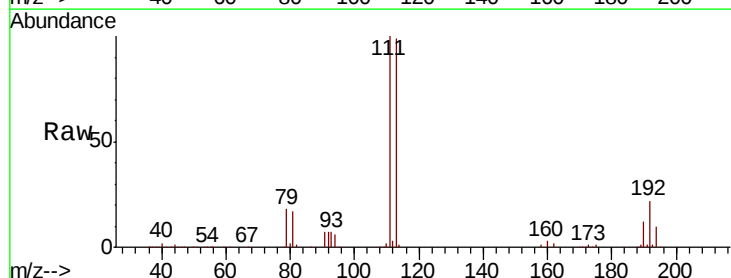
Tgt Ion:113 Resp: 146202

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.2

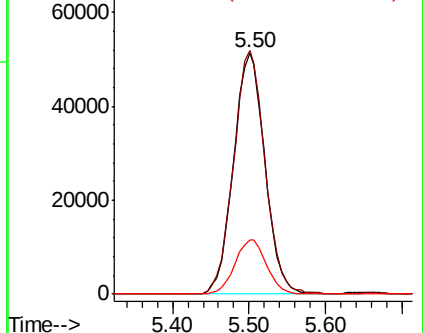
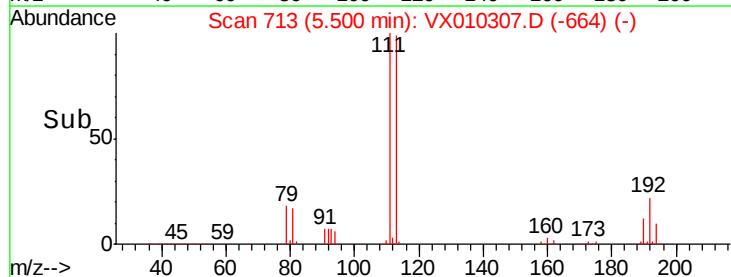
192 22.6 17.1 25.7

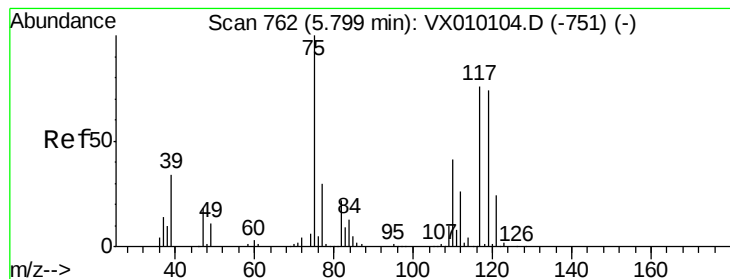


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.790 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

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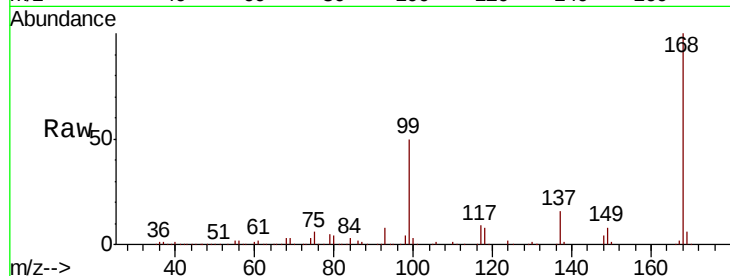
Tot Ion: 75 Resp: 18747

Ion Ratio Lower Upper

75 100

110 9.8 16.7 50.1#

77 0.8 25.0 37.4#

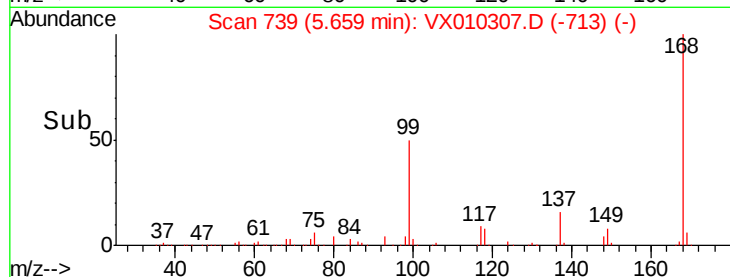


Abundance Ion 74.90 (74.60 to 75.60): VX010307.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX010307.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX010307.D (-713) (-)

Time-->



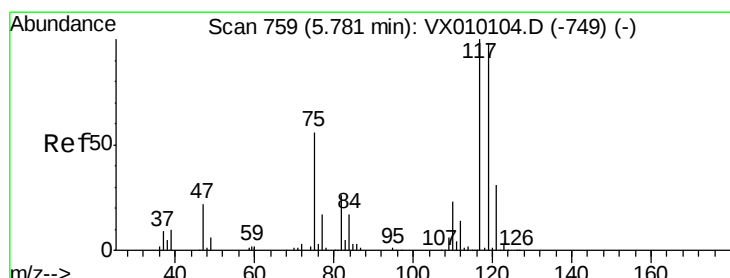
Abundance

Ion 74.90 (74.60 to 75.60): VX010307.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX010307.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX010307.D (-713) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.154 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

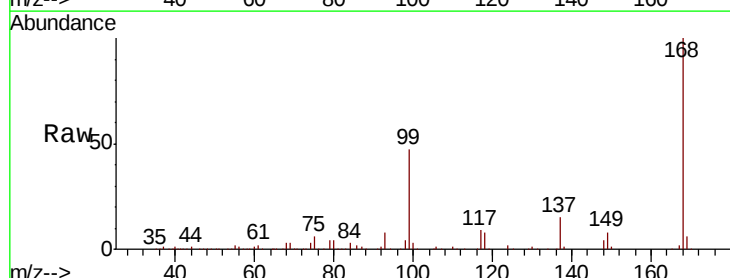
Tgt Ion: 117 Resp: 27260

Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 25.4 38.0#

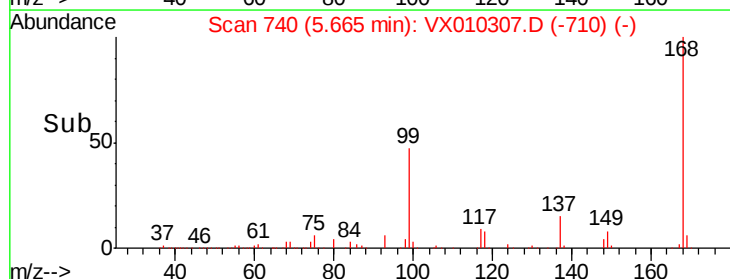


Abundance Ion 116.80 (116.50 to 117.50): VX010307.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX010307.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX010307.D (-710) (-)

Time-->



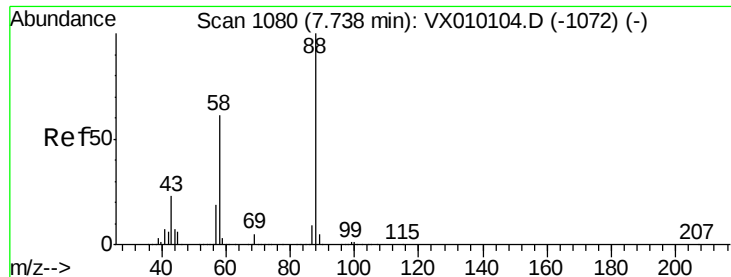
Abundance

Ion 116.80 (116.50 to 117.50): VX010307.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX010307.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX010307.D (-710) (-)

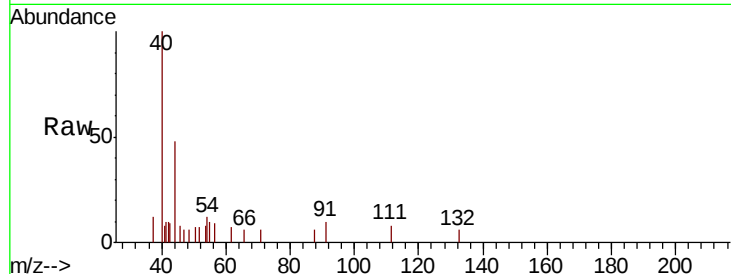
Time-->



#49
1,4-Dioxane
Concen: 0.231 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010307.D
Acq: 14 Jun 2019 17:49

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.4#
58	352.4	64.0	96.0#

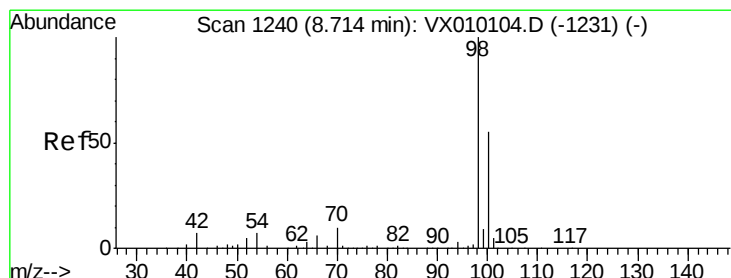
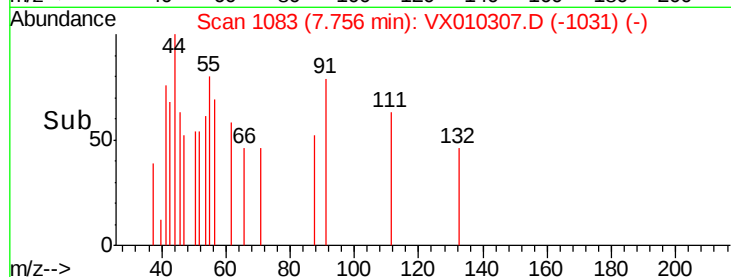
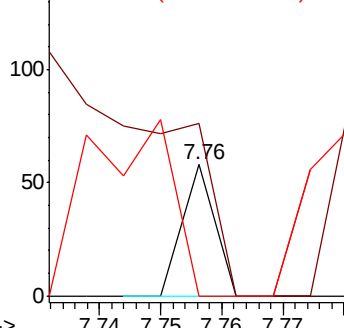


Abundance

Ion 88.00 (87.70 to 88.70): VX0

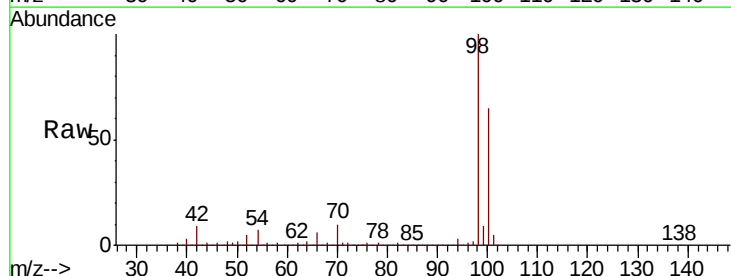
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.655 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010307.D
Acq: 14 Jun 2019 17:49

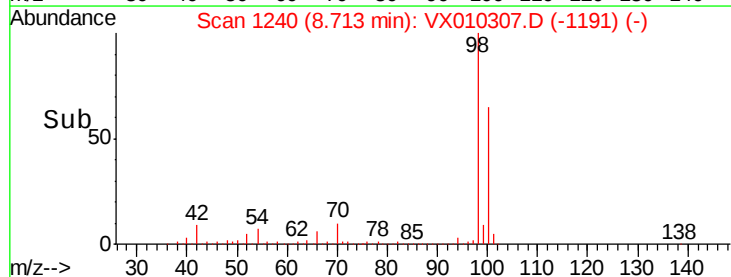
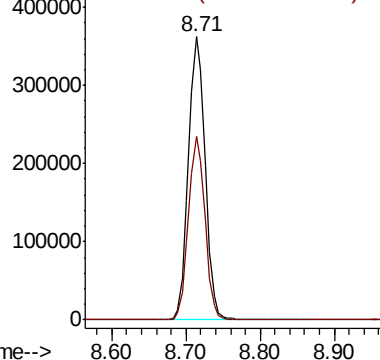
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3

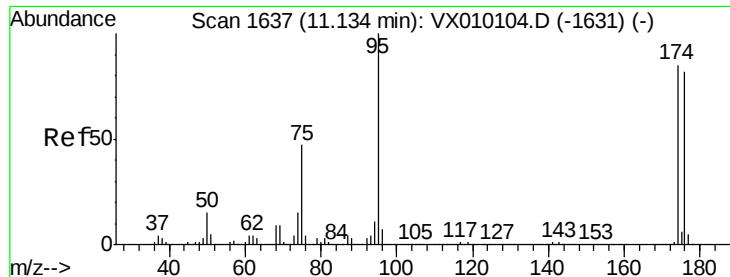


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

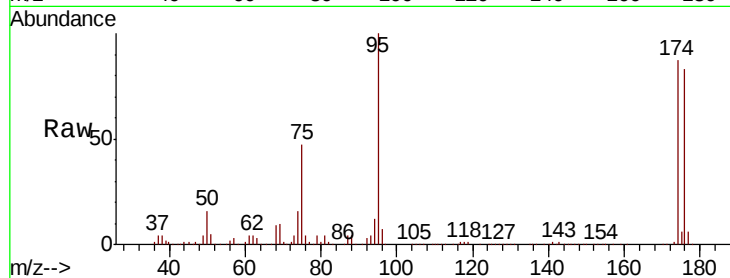
Tot Ion: 95 Resp: 192247

Ion Ratio Lower Upper

95 100

174 93.2 0.0 160.4

176 89.5 0.0 154.6

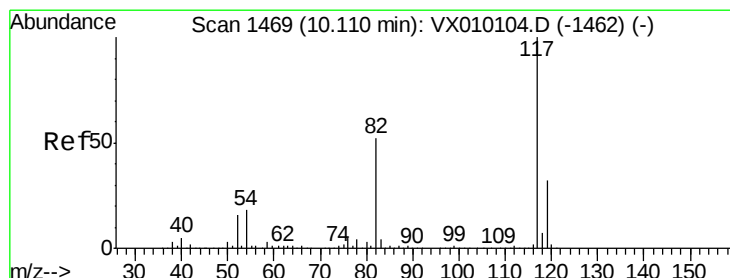
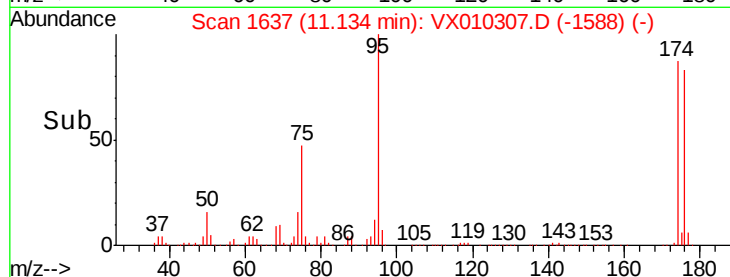
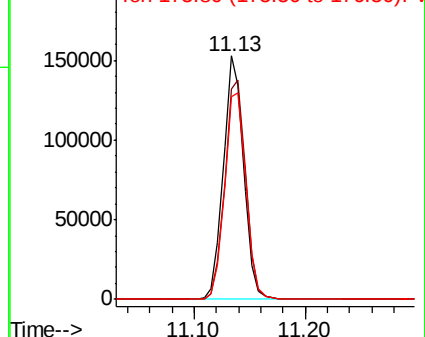


Abundance

Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

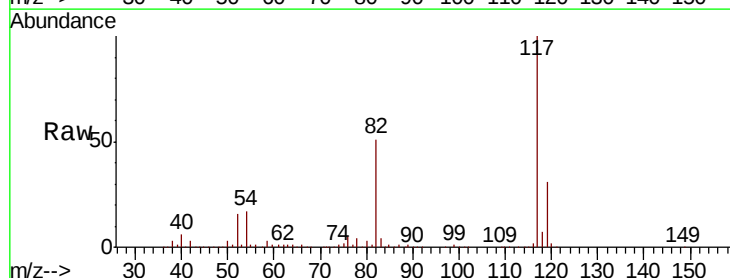
Tgt Ion: 117 Resp: 431398

Ion Ratio Lower Upper

117 100

82 50.6 49.2 73.8

119 31.3 25.2 37.8

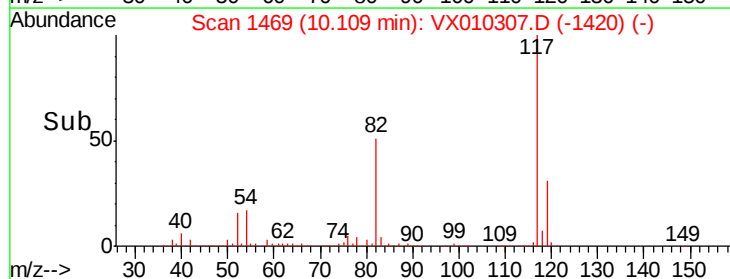
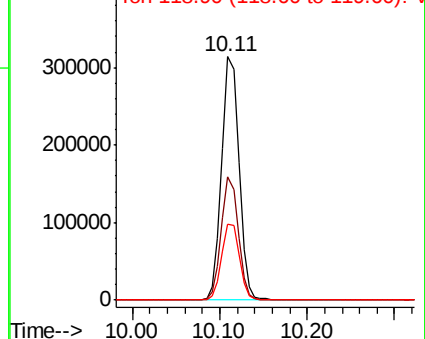


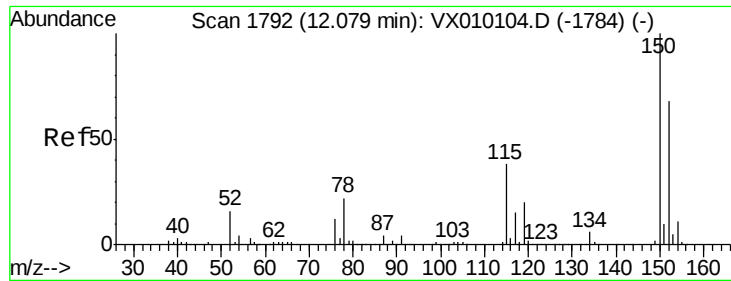
Abundance

Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

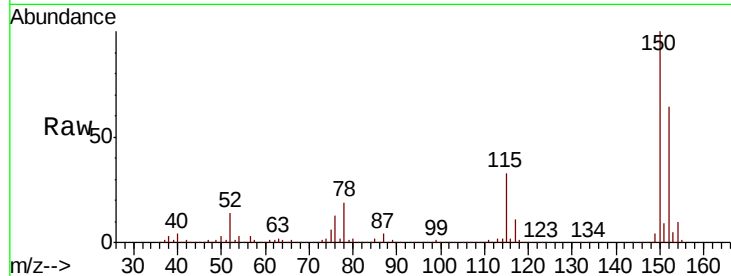
Tot Ion:152 Resp: 201137

Ion Ratio Lower Upper

152 100

115 54.0 41.4 124.2

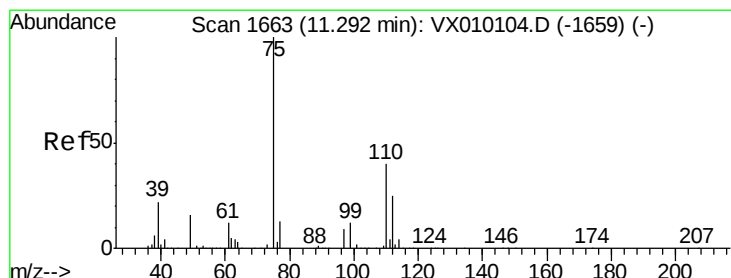
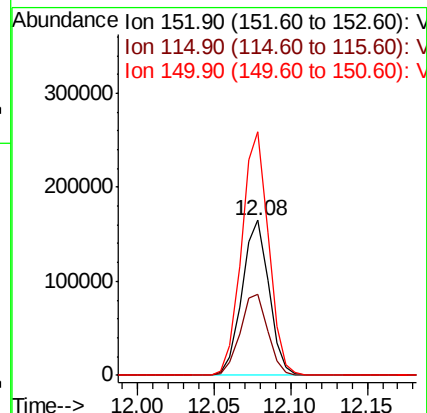
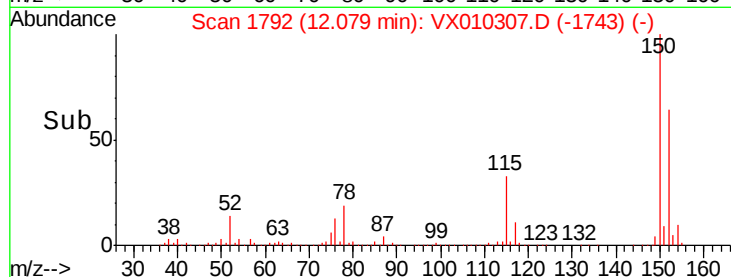
150 157.1 0.0 345.2



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: 22.154 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010307.D

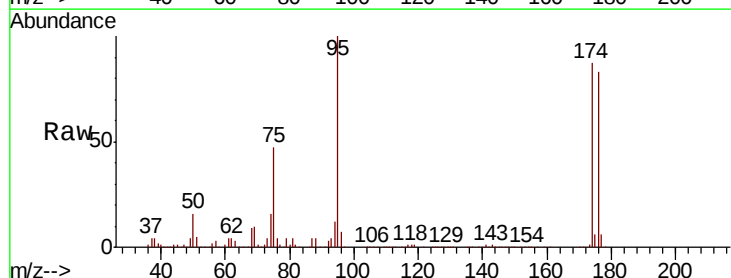
Acq: 14 Jun 2019 17:49

Tgt Ion: 75 Resp: 89129

Ion Ratio Lower Upper

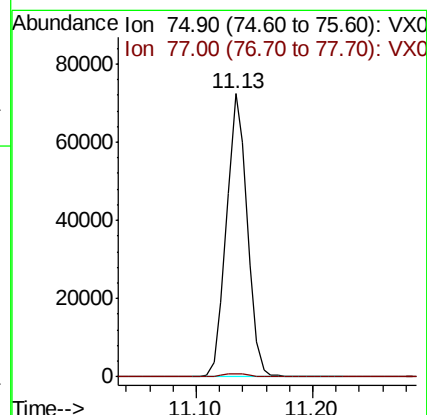
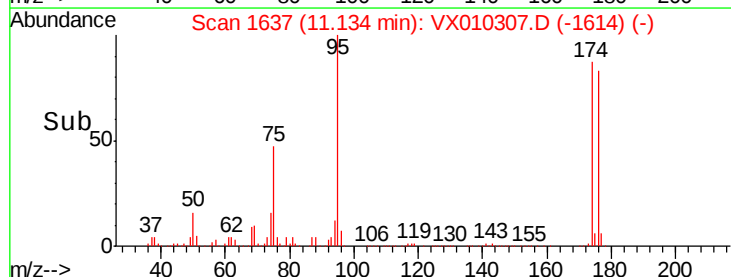
75 100

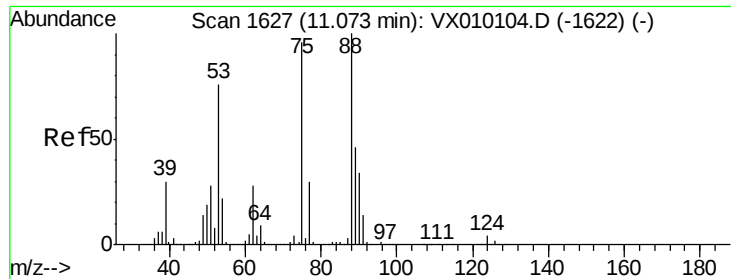
77 1.6 22.1 66.1#



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: 48.948 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010307.D

Acq: 14 Jun 2019 17:49

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

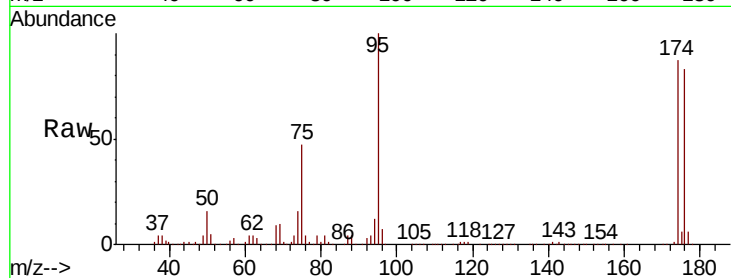
Tot Ion: 75 Resp: 89129

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

