

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006785.D
 Acq On : 24 Dec 2018 10:52
 Operator : JC/MD
 Sample : J6532-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Dec 25 01:17:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	633289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	964996	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	885375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	428118	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	331881	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	5.51	113	296259	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	1136420	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	403507	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	

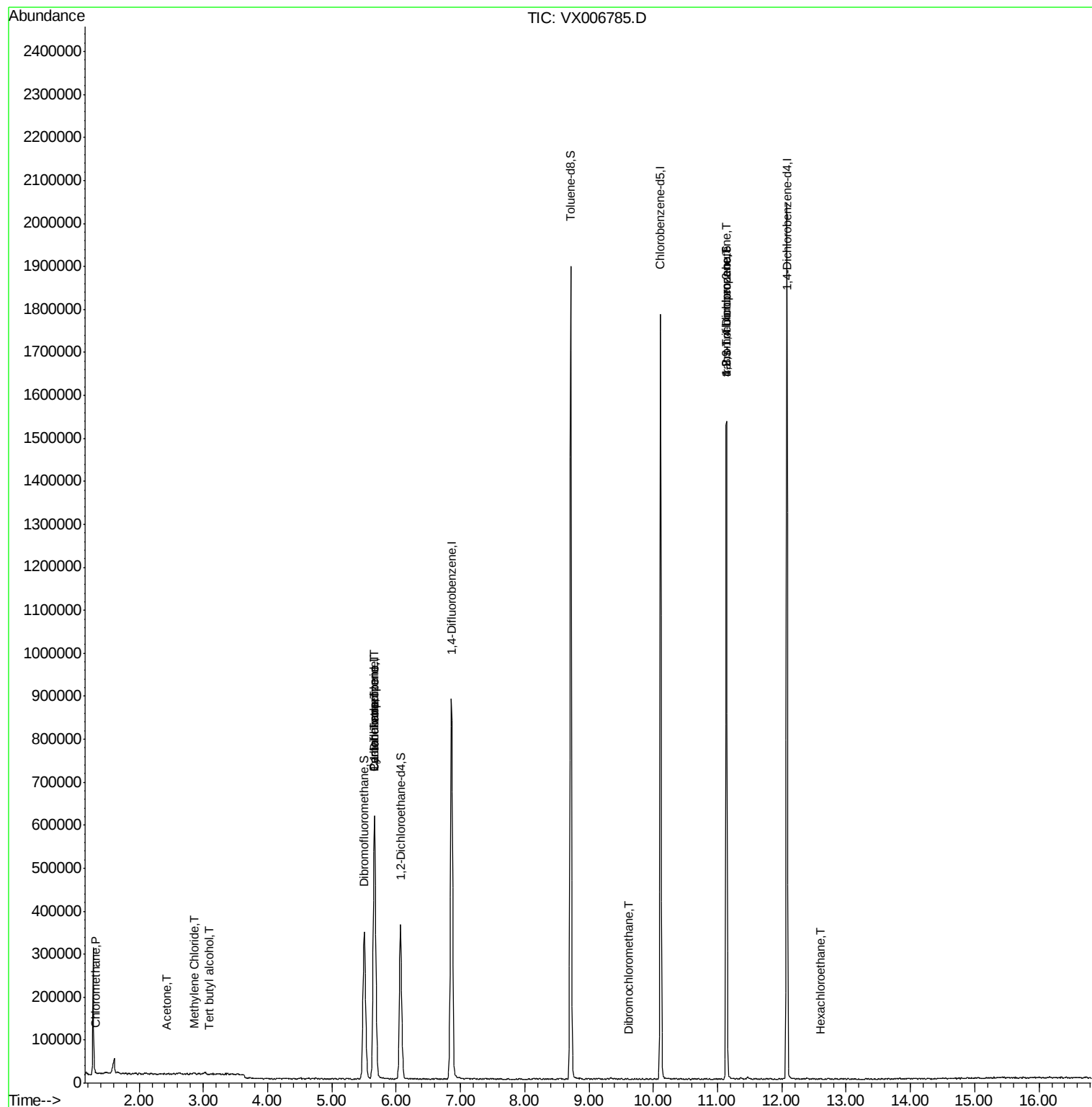
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1307	0.209	ug/l #	88
5) Bromomethane	1.65	94	638	Below Cal	#	35
11) Tert butyl alcohol	3.10	59	310	0.204	ug/l #	52
16) Acetone	2.44	43	1735	0.553	ug/l #	51
20) Methylene Chloride	2.87	84	1961	0.302	ug/l #	68
28) Bromochloromethane	5.03	49	243	Below Cal	#	34
31) Cyclohexane	5.65	56	10106	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	41237	5.160	ug/l #	48
38) Carbon Tetrachloride	5.66	117	57654	7.423	ug/l #	15
49) 1,4-Dioxane	7.76	88	94	Below Cal	#	1
60) Dibromochloromethane	9.62	129	38	2.330	ug/l	76
76) 1,2,3-Trichloropropane	11.13	75	191817	24.109	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	191817	71.392	ug/l #	10
90) Hexachloroethane	12.60	117	86	3.313	ug/l #	6

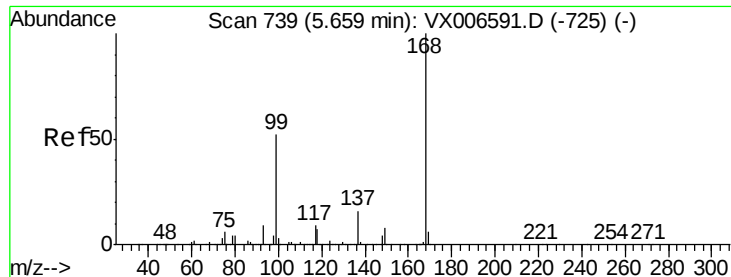
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122418\
Data File : VX006785.D
Acq On : 24 Dec 2018 10:52
Operator : JC/MD
Sample : J6532-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Dec 25 01:17:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

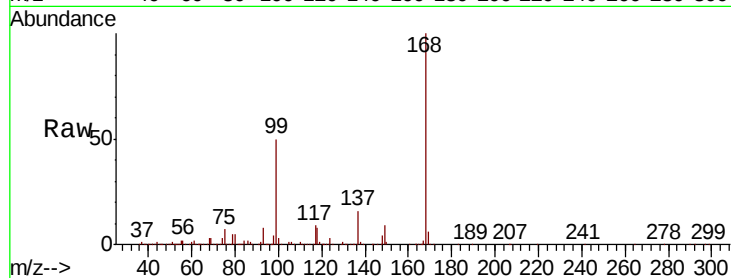
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 633289

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

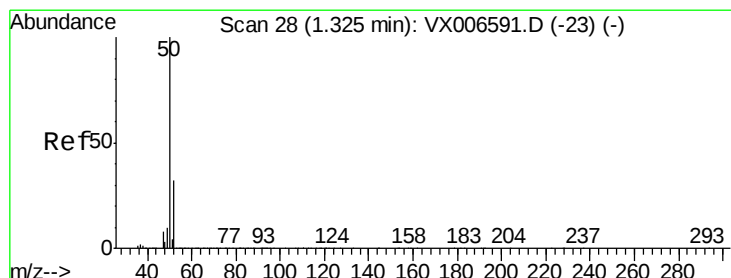
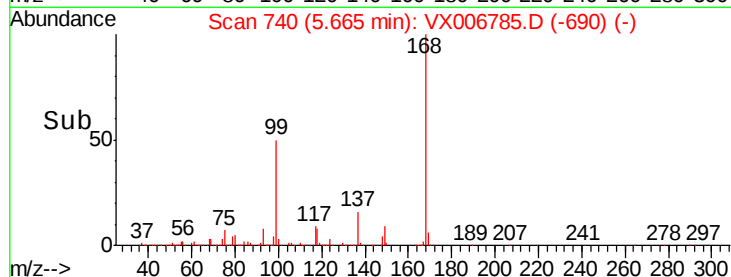
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006785.D

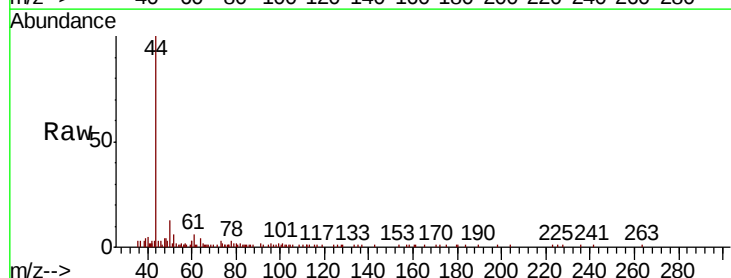
Acq: 24 Dec 2018 10:52

Tgt Ion: 50 Resp: 1307

Ion Ratio Lower Upper

50 100

52 38.6 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

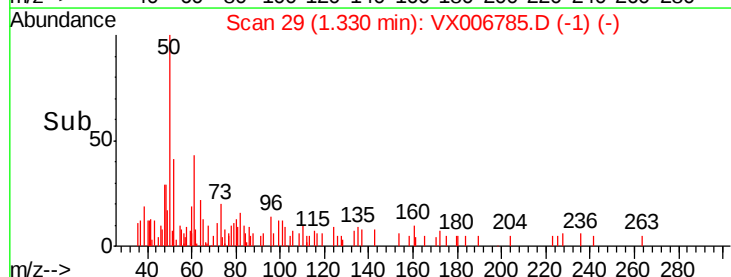
1000

500

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

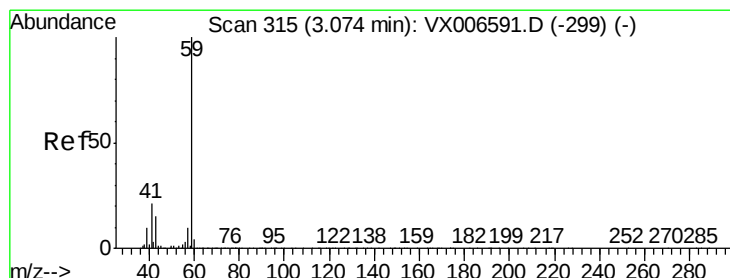
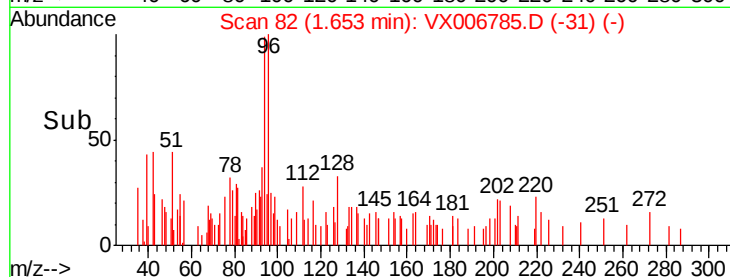
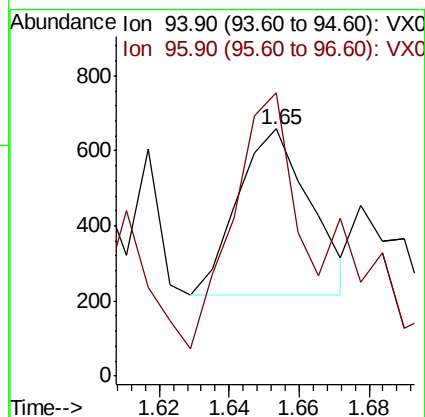
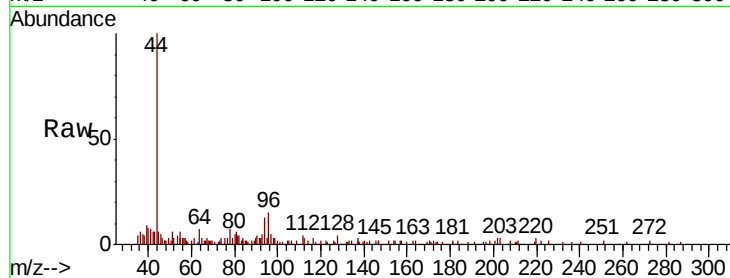
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 638

Ion Ratio Lower Upper

94 100

96 153.7 73.4 110.2#



#11

Tert butyl alcohol

Concen: 0.204 ug/l

RT: 3.10 min Scan# 319

Delta R.T. 0.02 min

Lab File: VX006785.D

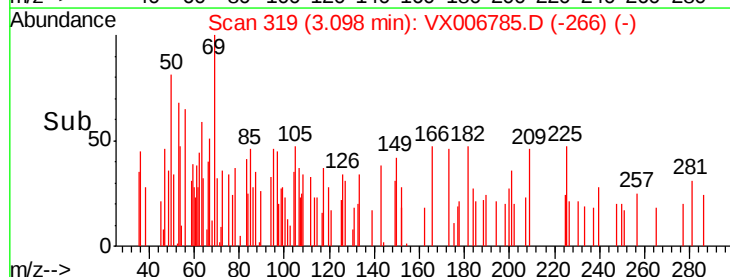
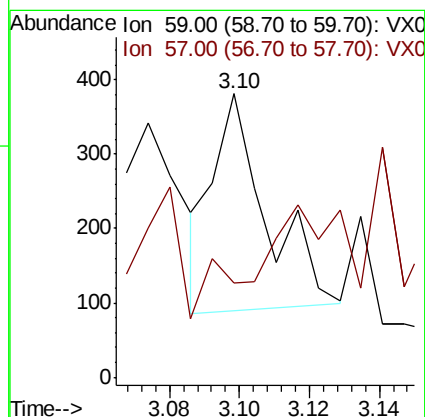
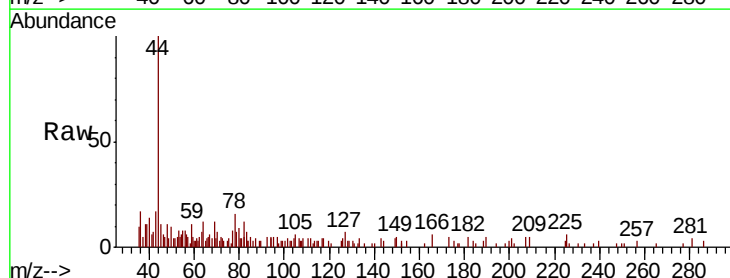
Acq: 24 Dec 2018 10:52

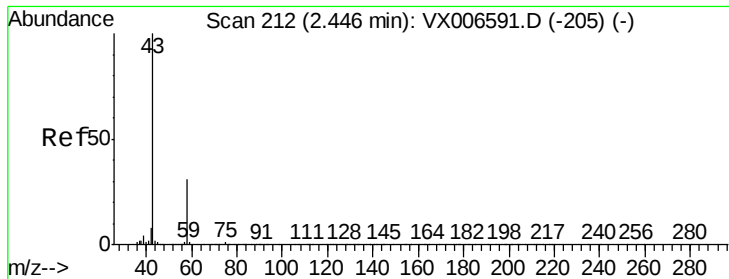
Tgt Ion: 59 Resp: 310

Ion Ratio Lower Upper

59 100

57 28.7 8.5 12.7#





#16

Acetone

Concen: 0.553 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

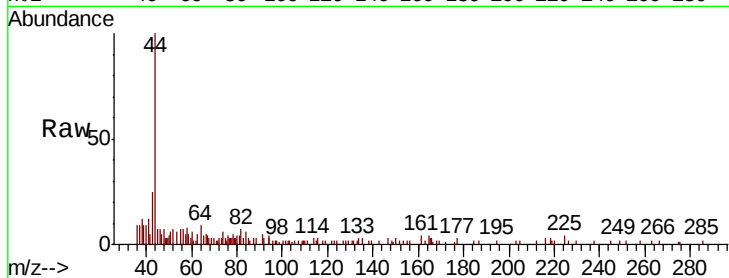
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 1735

Ion Ratio Lower Upper

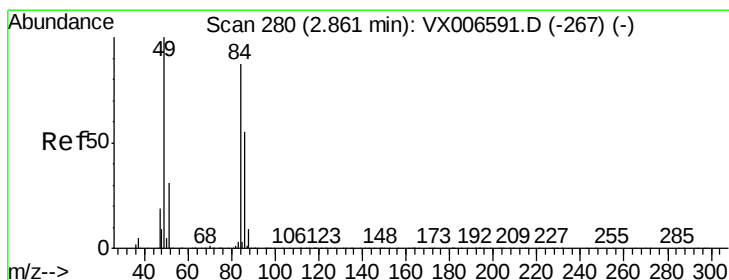
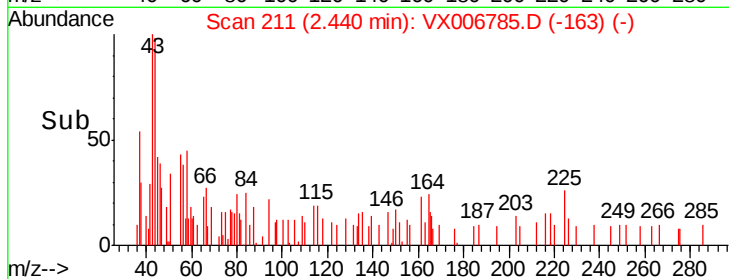
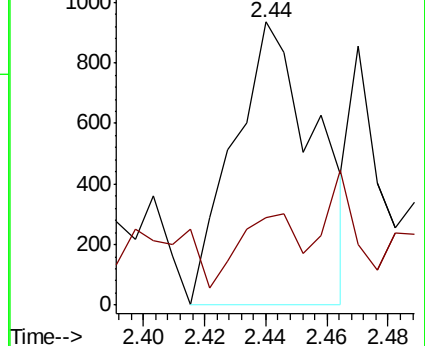
43 100

58 4.1 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.302 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Tgt Ion: 84 Resp: 1961

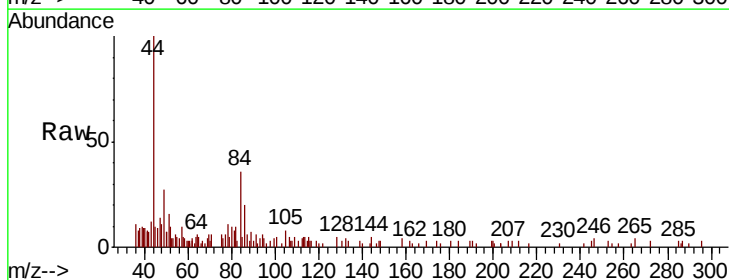
Ion Ratio Lower Upper

84 100

49 68.7 91.8 137.6#

51 26.6 28.5 42.7#

86 46.2 50.2 75.2#

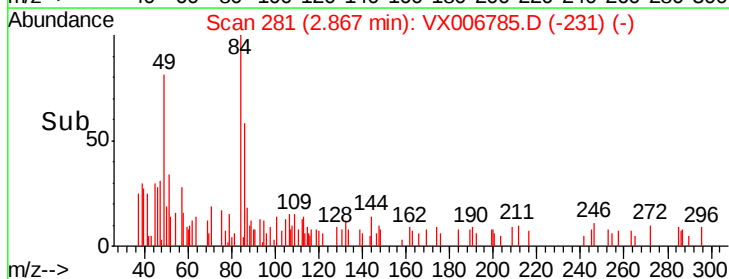
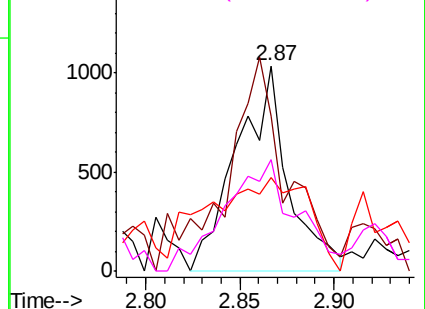


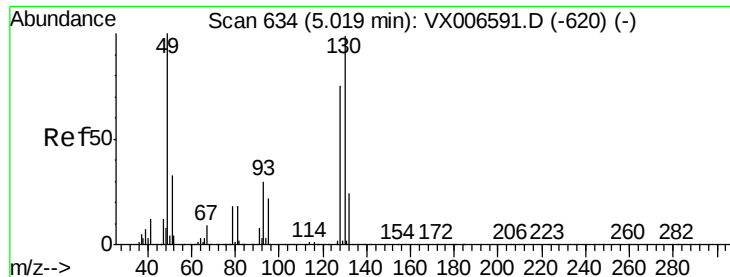
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

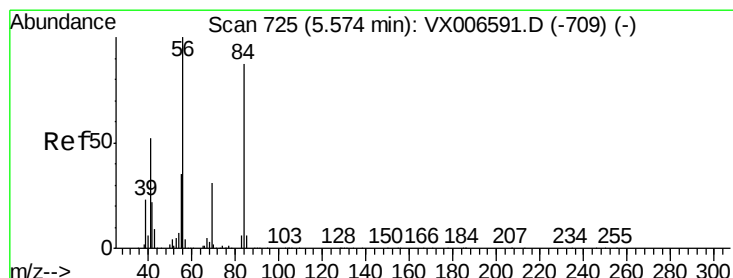
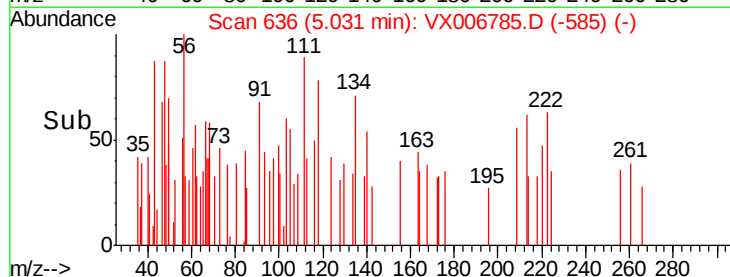
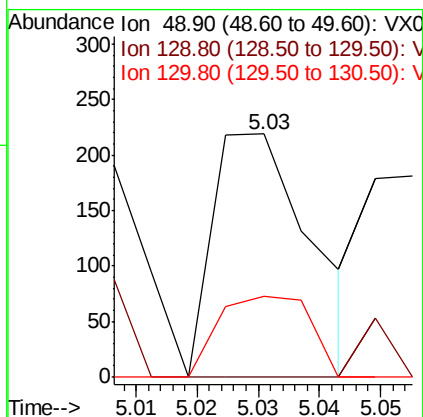
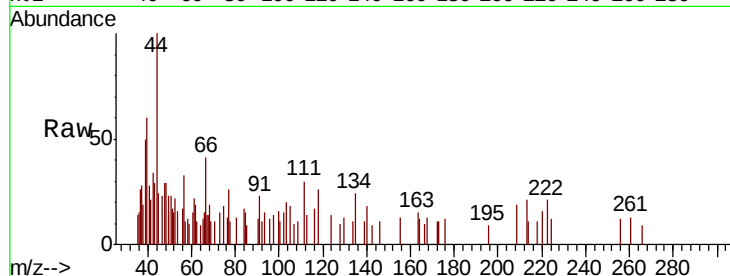
Tot Ion: 49 Resp: 243

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 30.9 77.7 116.5#



#31

Cyclohexane

Concen: 1.069 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

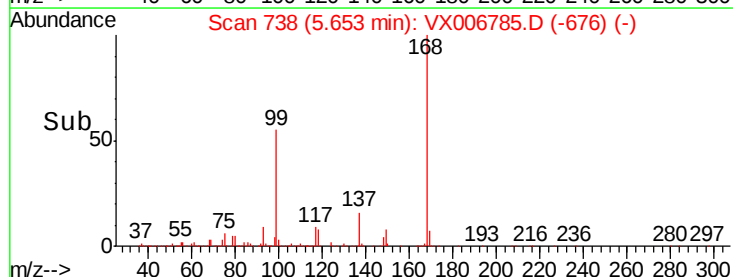
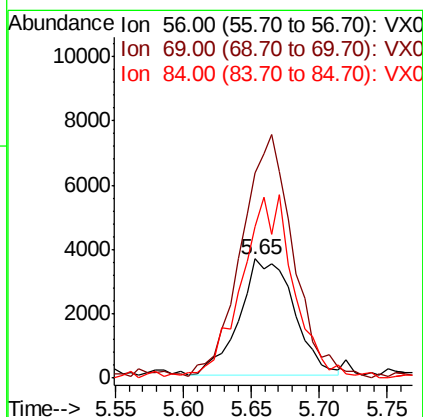
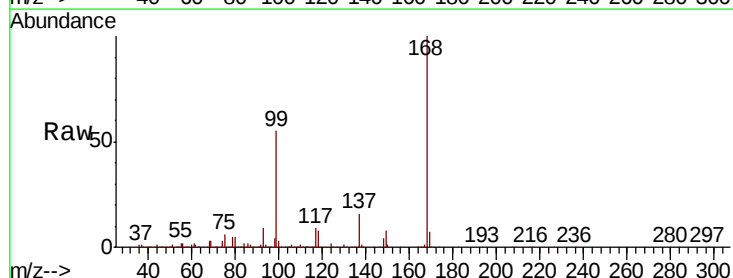
Tgt Ion: 56 Resp: 10106

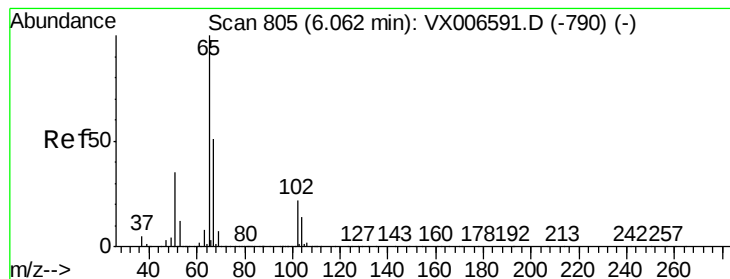
Ion Ratio Lower Upper

56 100

69 175.3 24.4 36.6#

84 126.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.625 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

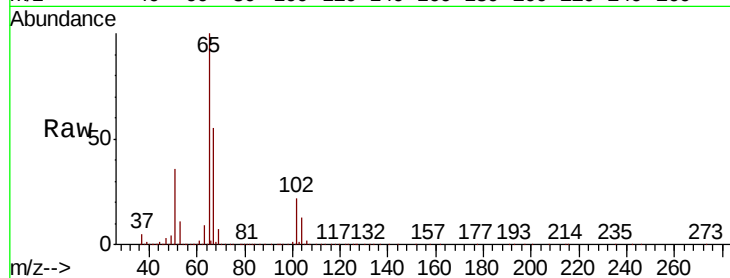
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 331881

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

100000

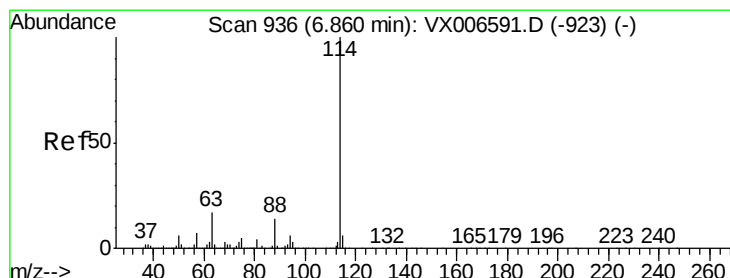
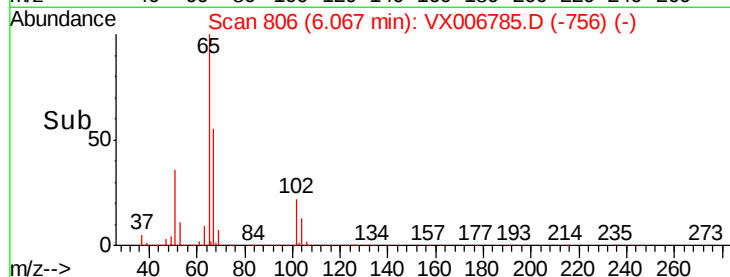
50000

0

6.07

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

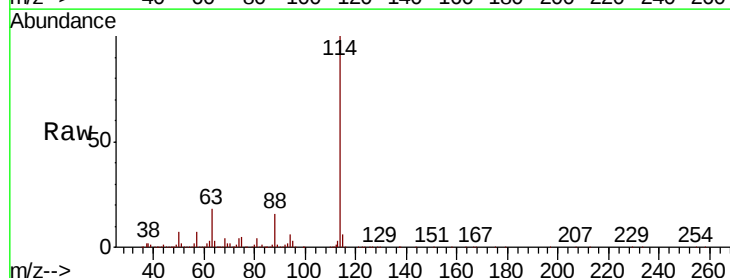
Tgt Ion: 114 Resp: 964996

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

88 15.7 0.0 28.8



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

500000

400000

300000

200000

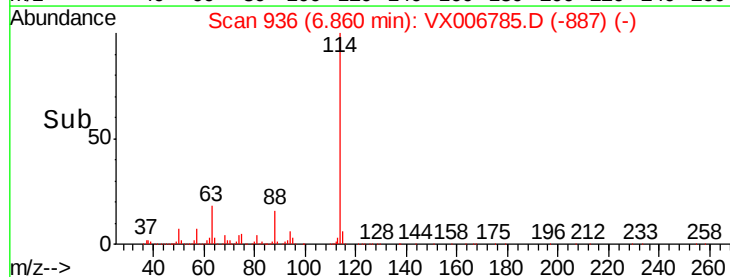
100000

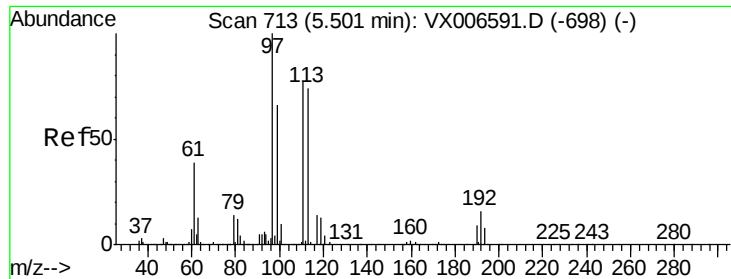
0

6.86

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 48.548 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

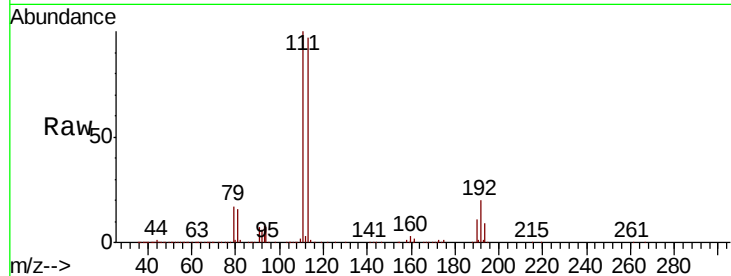
Tot Ion:113 Resp: 296259

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

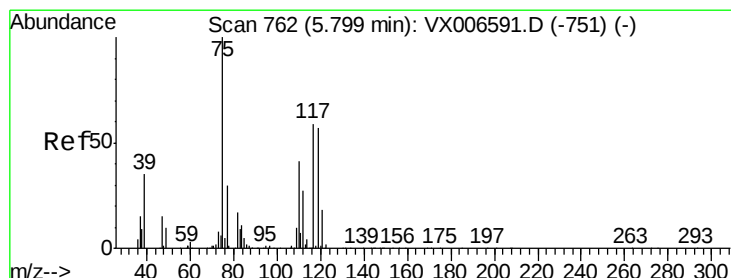
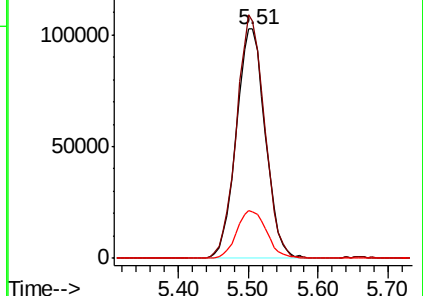
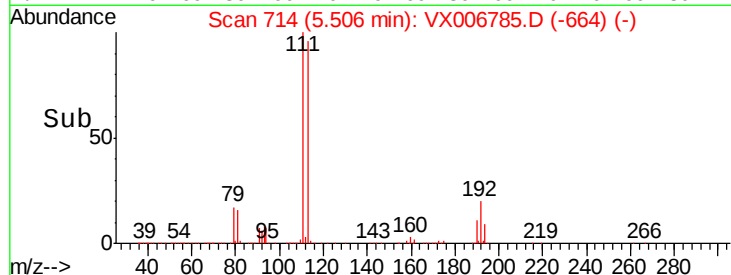
192 21.3 16.7 25.1



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: 5.160 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

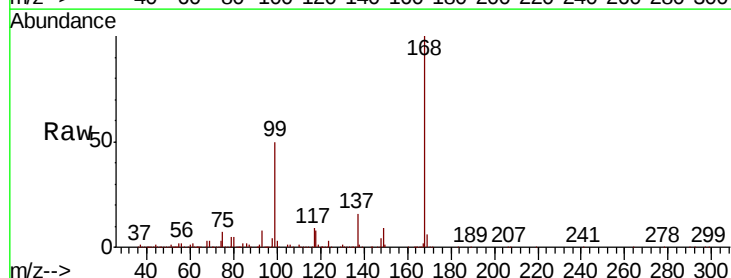
Tgt Ion: 75 Resp: 41237

Ion Ratio Lower Upper

75 100

110 9.9 20.2 60.5#

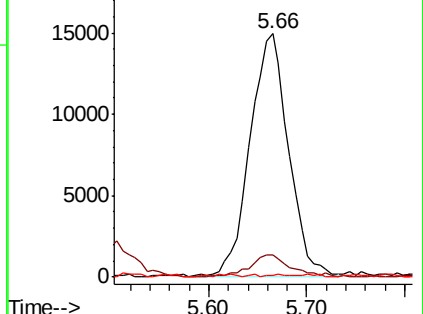
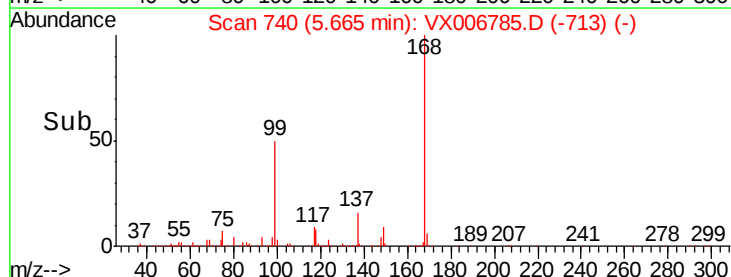
77 0.2 24.8 37.2#

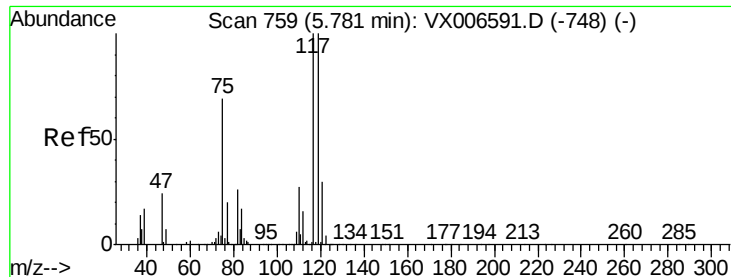


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.423 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

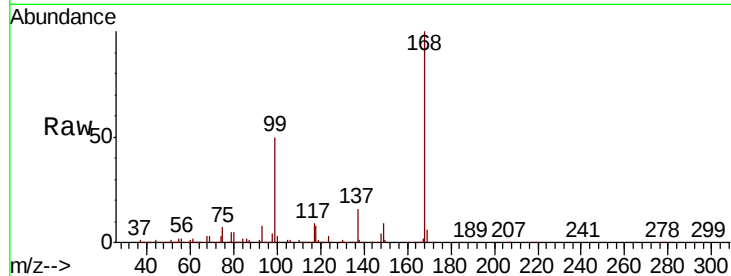
Tot Ion:117 Resp: 57654

Ion Ratio Lower Upper

117 100

119 5.9 79.4 119.2#

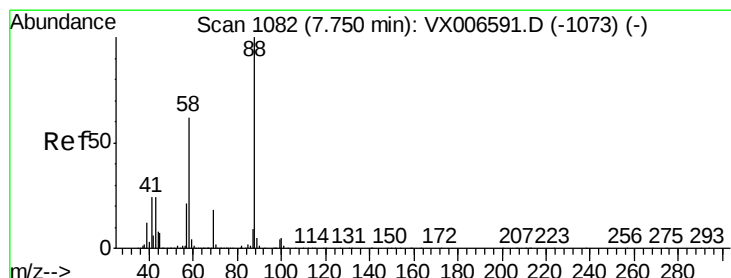
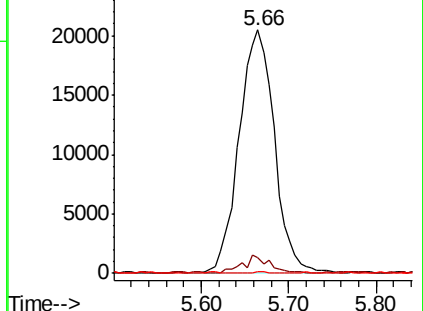
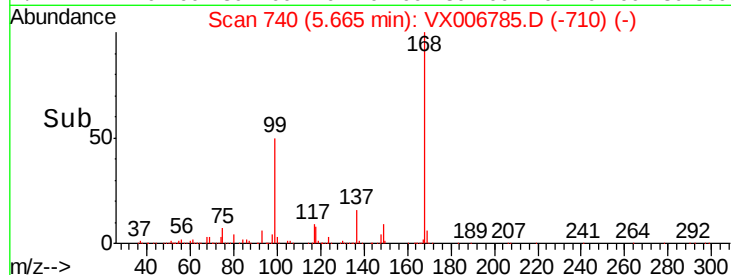
121 0.7 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

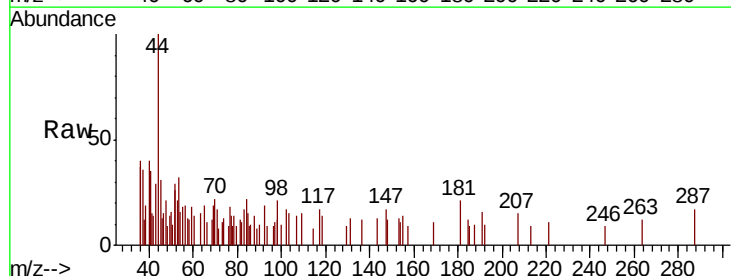
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

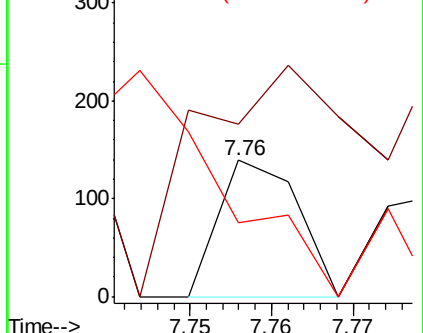
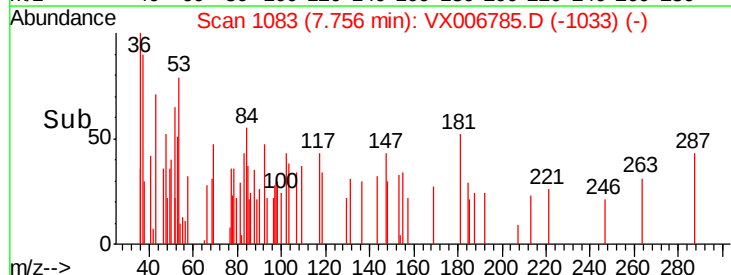
58 426.6 51.0 76.4#

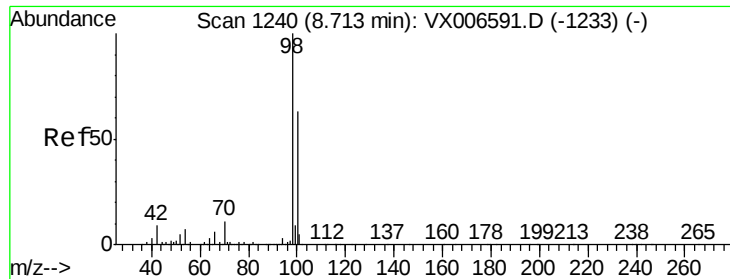


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.396 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

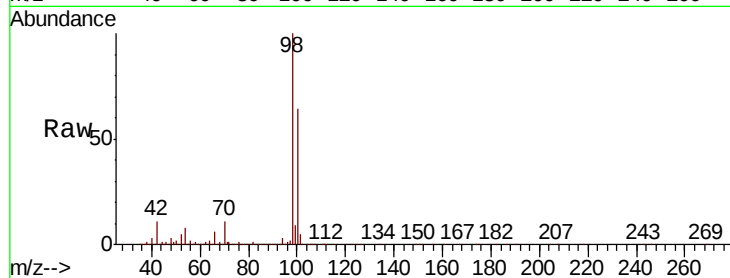
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1136420

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

800000

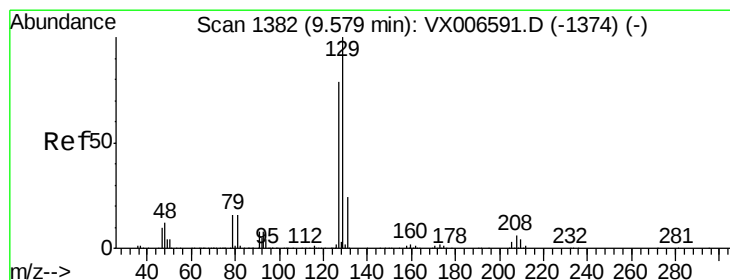
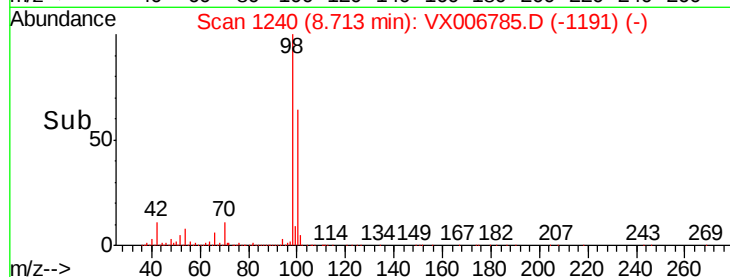
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 2.330 ug/l

RT: 9.62 min Scan# 1389

Delta R.T. 0.04 min

Lab File: VX006785.D

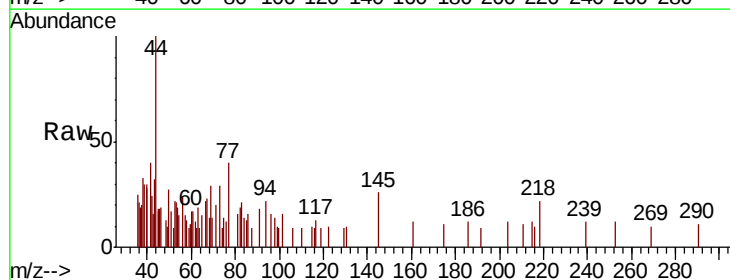
Acq: 24 Dec 2018 10:52

Tgt Ion:129 Resp: 38

Ion Ratio Lower Upper

129 100

127 57.9 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

80

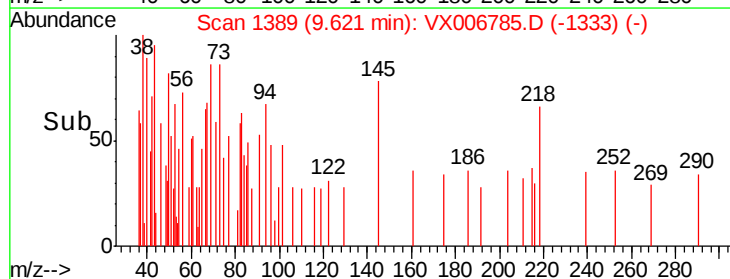
60

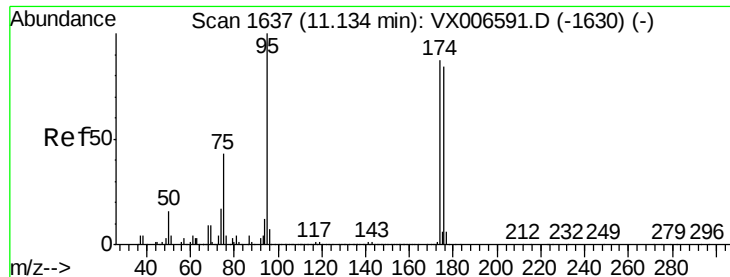
40

20

0

Time-->

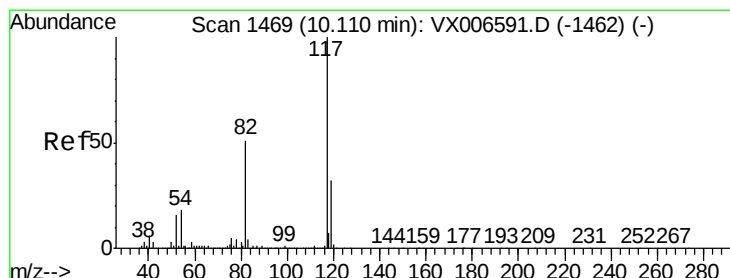
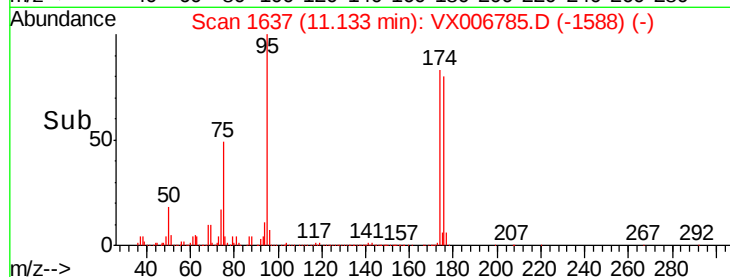
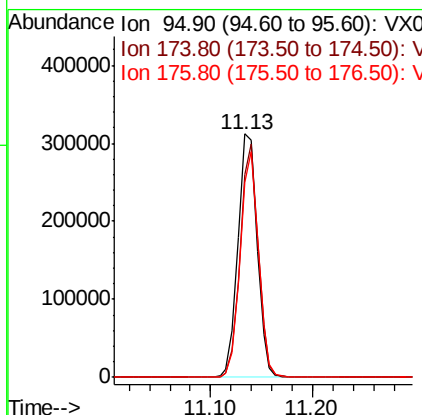
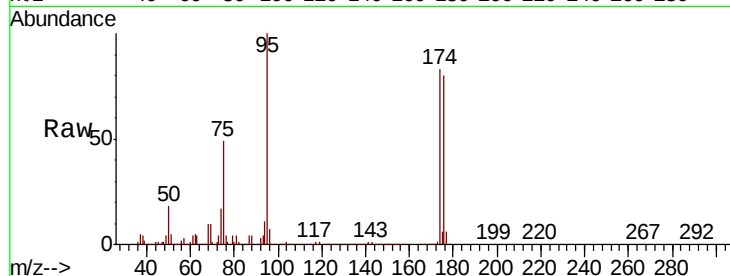




#62
4-Bromofluorobenzene
Concen: 47.889 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006785.D
Acq: 24 Dec 2018 10:52

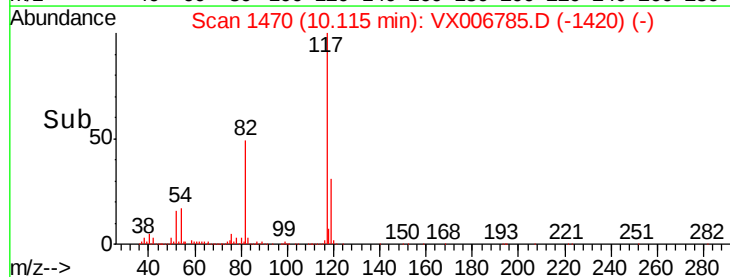
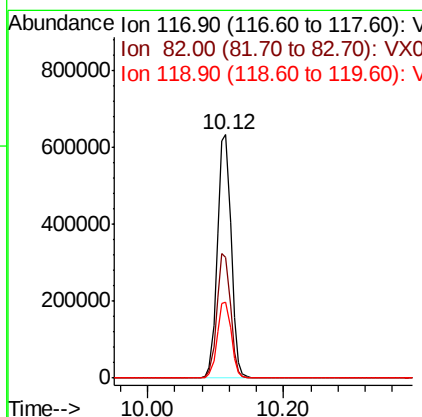
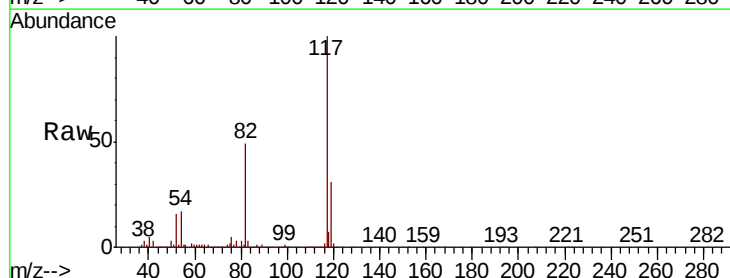
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

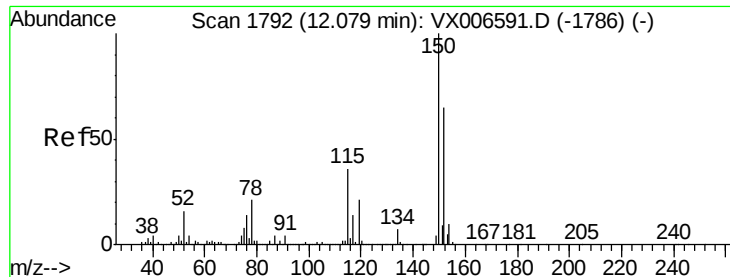
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	182.2
176	88.0	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006785.D
Acq: 24 Dec 2018 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.4	41.0	61.6
119	31.1	25.4	38.0



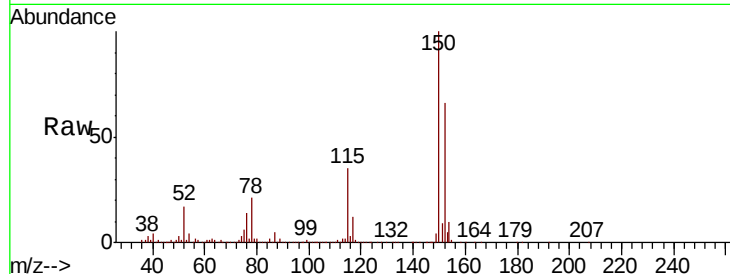


#72

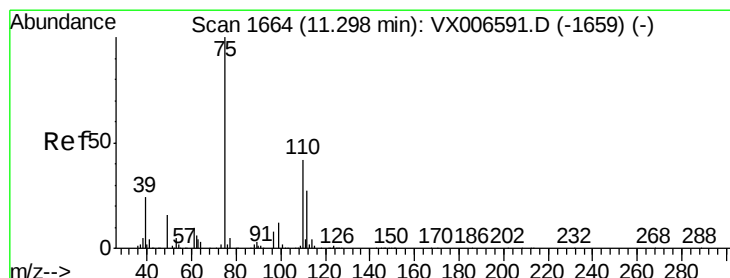
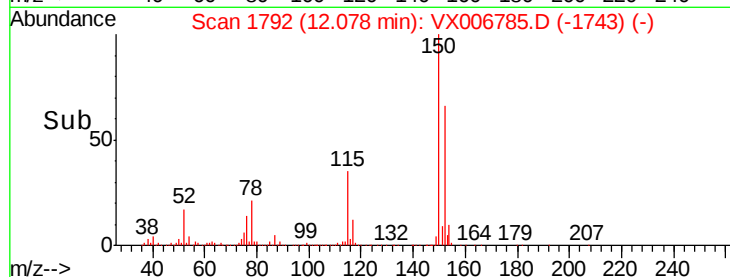
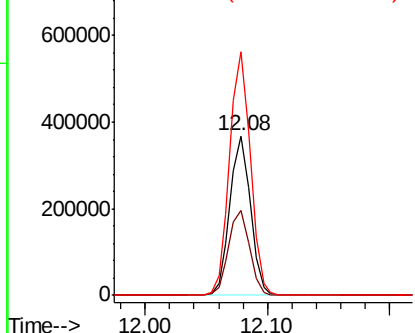
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006785.D
Acq: 24 Dec 2018 10:52

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.1	117.2
150	154.7	0.0	344.8



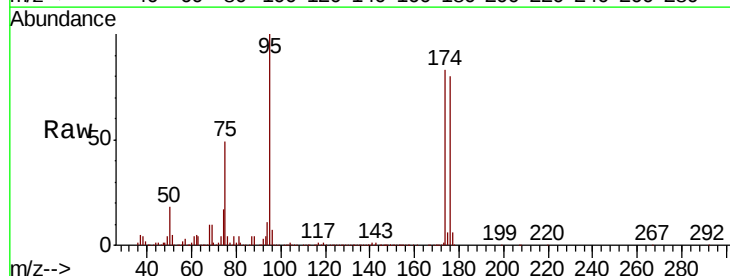
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



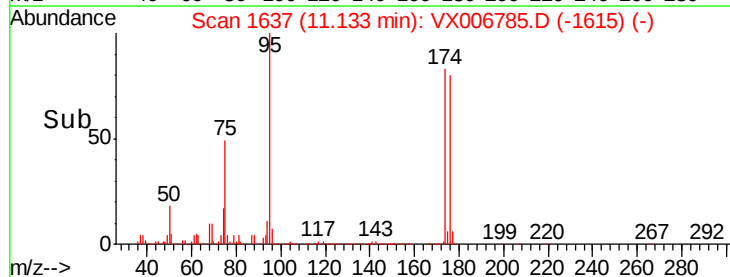
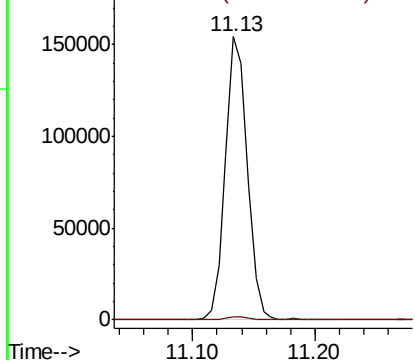
#76

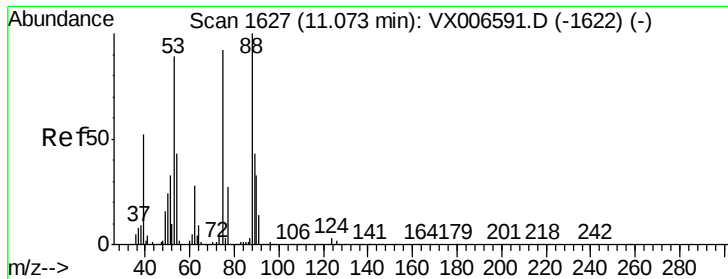
1,2,3-Trichloropropane
Concen: 24.109 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006785.D
Acq: 24 Dec 2018 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#



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: 71.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

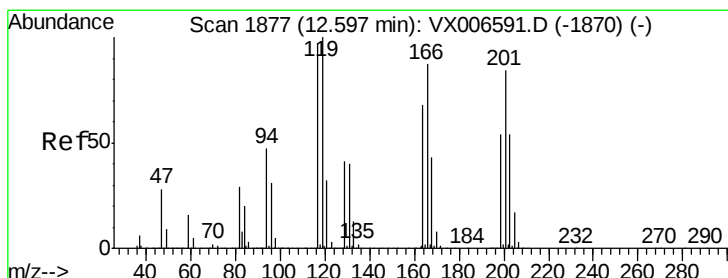
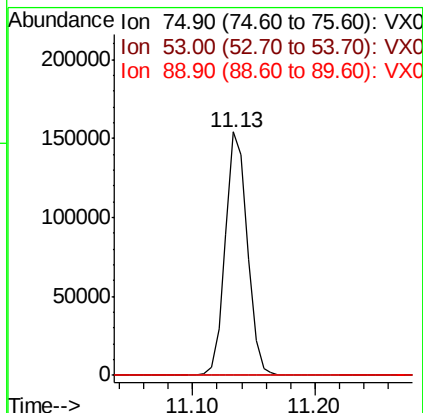
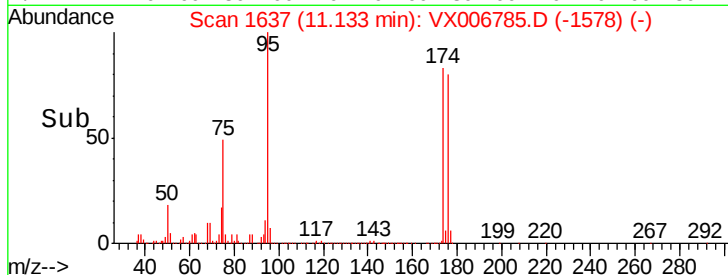
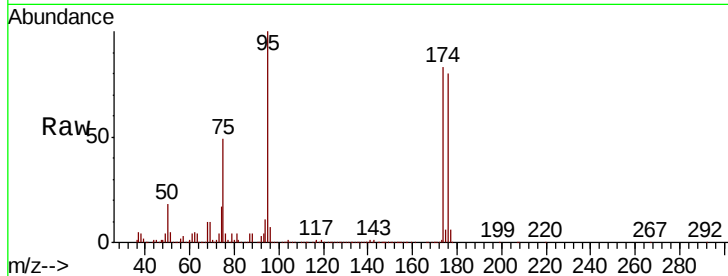
Tot Ion: 75 Resp: 191817

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

89 0.0 38.0 57.0#



#90

Hexachloroethane

Concen: 3.313 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006785.D

Acq: 24 Dec 2018 10:52

Tgt Ion: 117 Resp: 86

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

