

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013646.D
 Acq On : 27 Nov 2019 12:40
 Operator : JC/SP
 Sample : K5983-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 28 00:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	666130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1063170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	939455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	418129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	381260	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	5.48	113	316795	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	1246758	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.14	95	415597	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

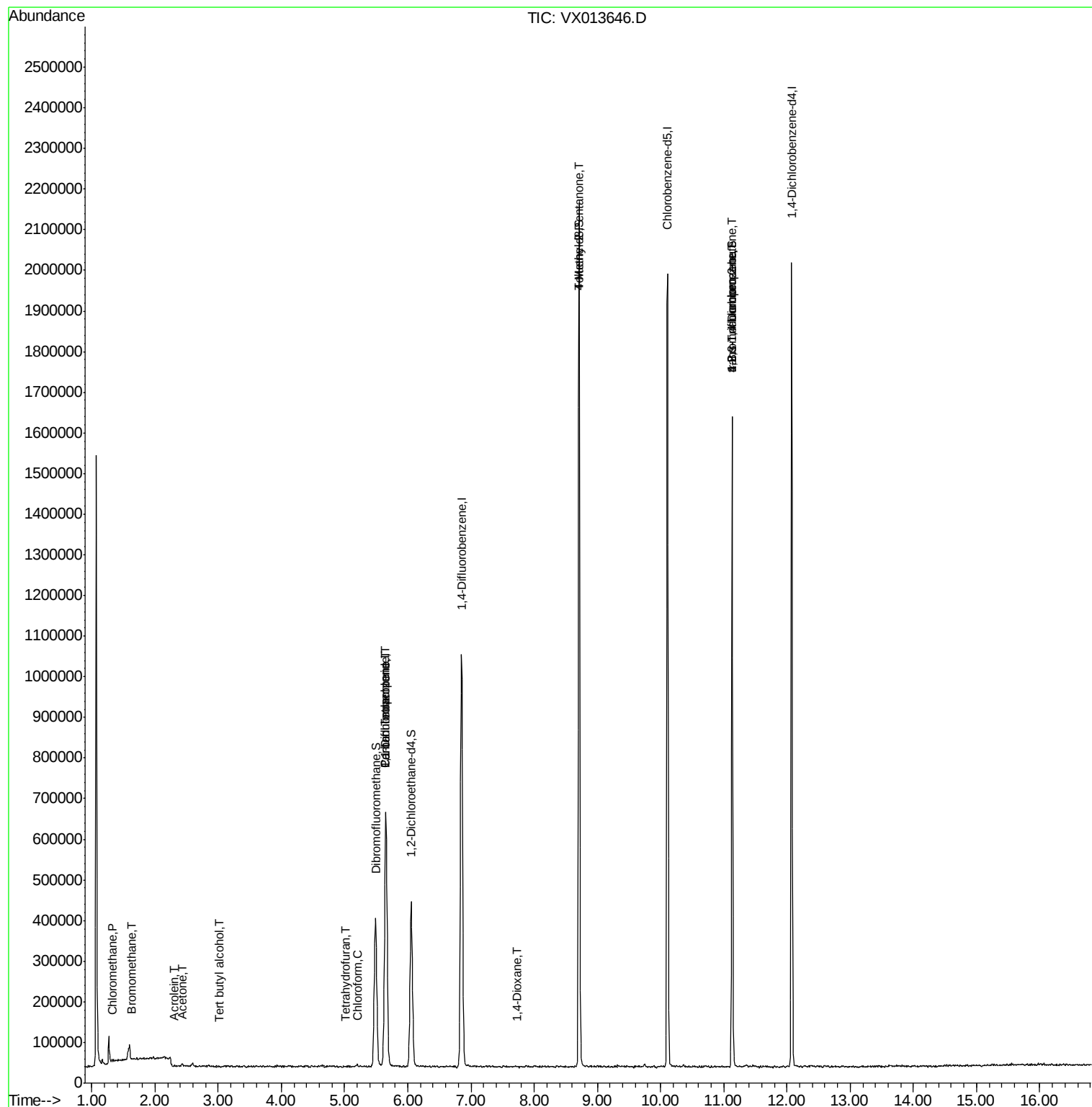
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3673	0.441	ug/l	94
5) Bromomethane	1.64	94	1260	0.200	ug/l	90
11) Tert butyl alcohol	3.02	59	1507	0.790	ug/l #	68
13) Acrolein	2.29	56	765	6.589	ug/l	94
16) Acetone	2.44	43	5871	1.538	ug/l	90
29) Tetrahydrofuran	5.02	42	940	0.269	ug/l	93
30) Chloroform	5.21	83	5500	0.448	ug/l	87
36) 1,1-Dichloropropene	5.65	75	43958	4.555	ug/l #	50
38) Carbon Tetrachloride	5.65	117	55644	6.253	ug/l #	15
49) 1,4-Dioxane	7.72	88	187	0.965	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	6666	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	203574	21.647	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	203574	59.221	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112719\
Data File : VX013646.D
Acq On : 27 Nov 2019 12:40
Operator : JC/SP
Sample : K5983-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 28 00:26:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

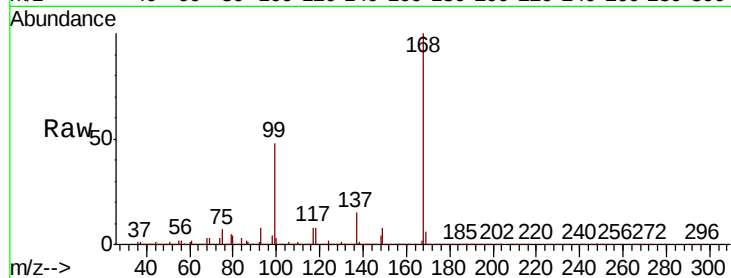
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 666130

Ion Ratio Lower Upper

168 100

99 47.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

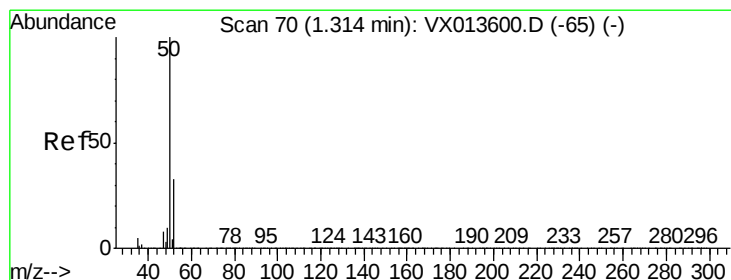
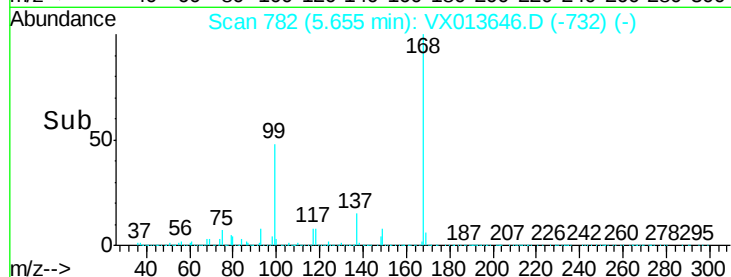
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.441 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013646.D

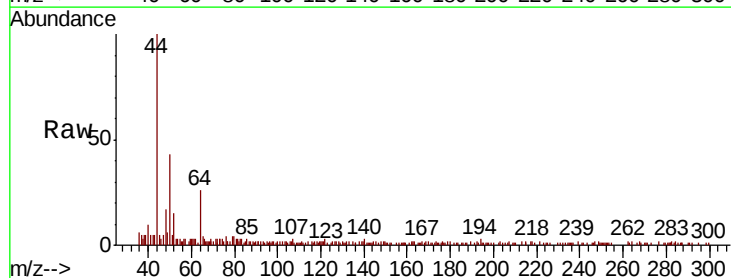
Acq: 27 Nov 2019 12:40

Tgt Ion: 50 Resp: 3673

Ion Ratio Lower Upper

50 100

52 29.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

4000

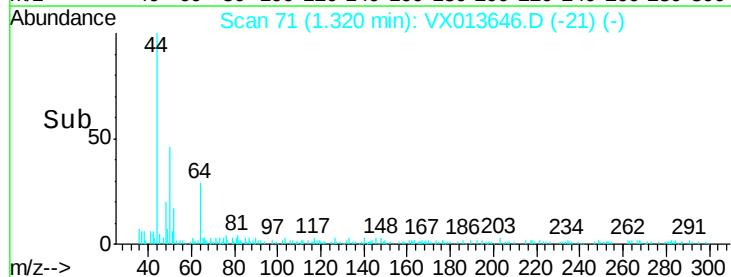
3000

2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.200 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

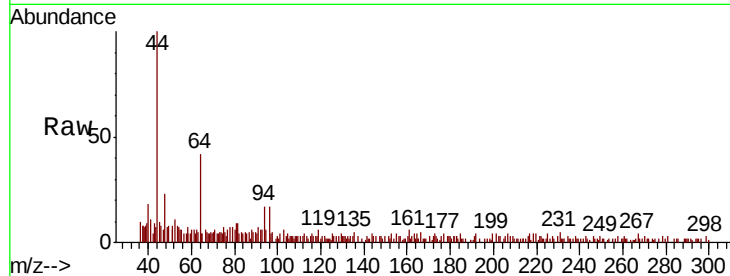
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 1260

Ion Ratio Lower Upper

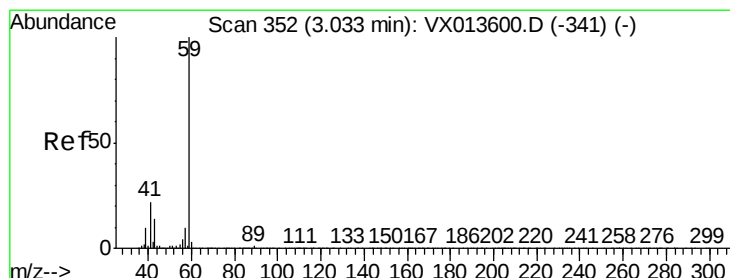
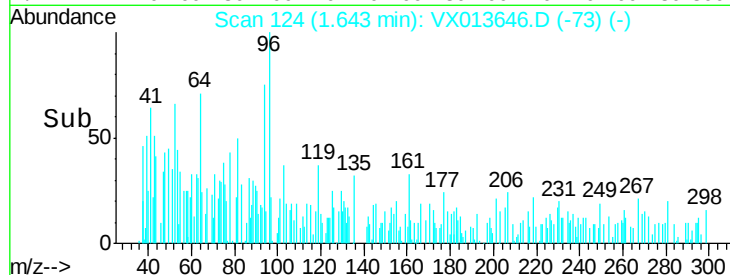
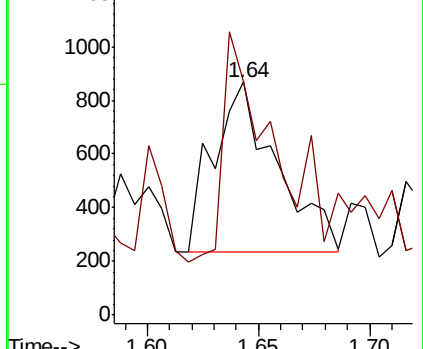
94 100

96 105.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.790 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013646.D

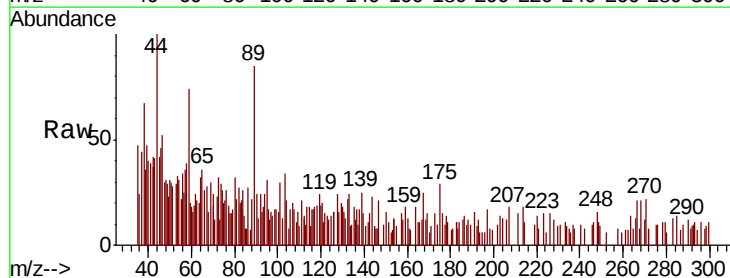
Acq: 27 Nov 2019 12:40

Tgt Ion: 59 Resp: 1507

Ion Ratio Lower Upper

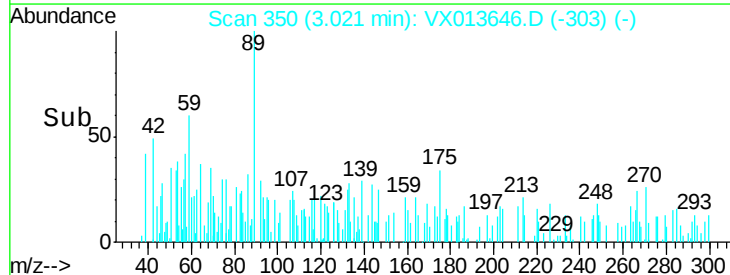
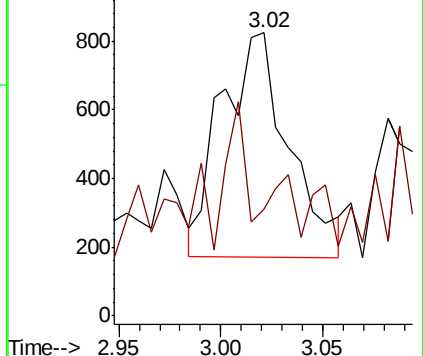
59 100

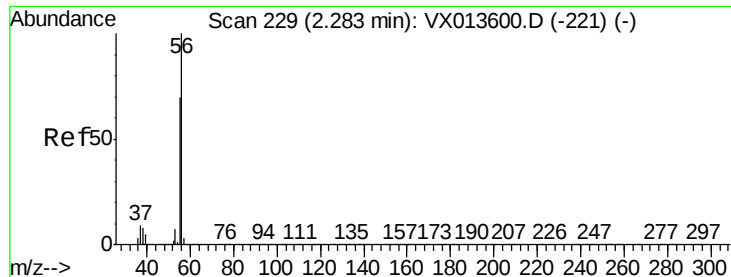
57 21.4 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

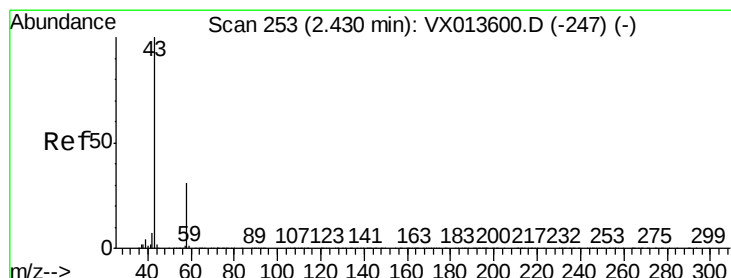
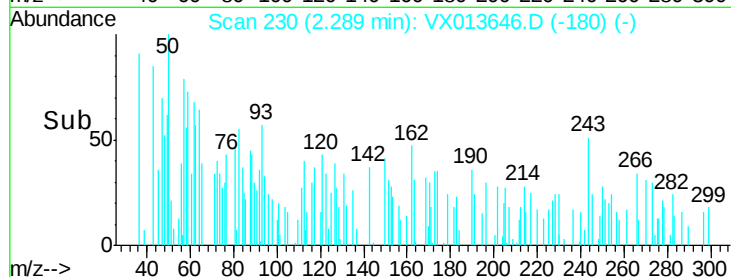
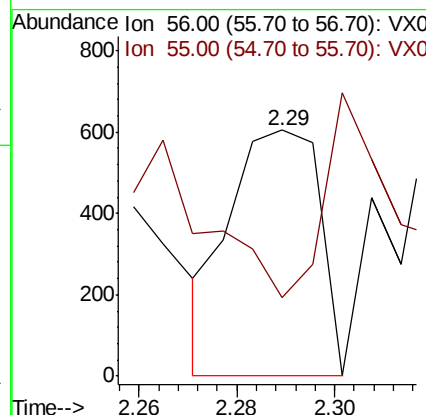
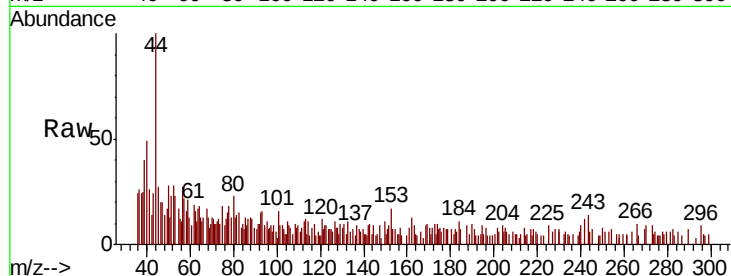




#13
Acrolein
Concen: 6.589 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

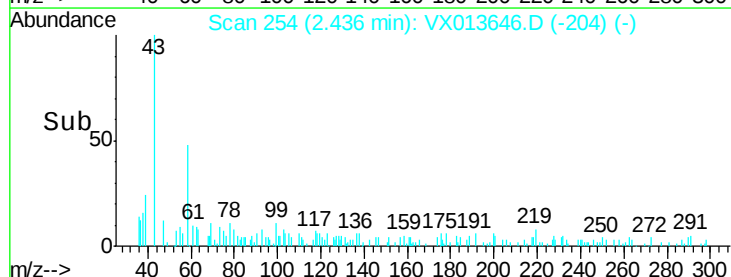
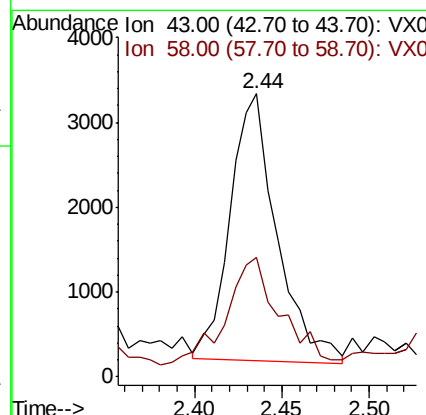
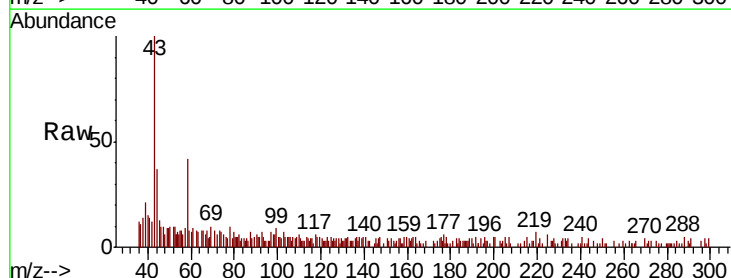
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

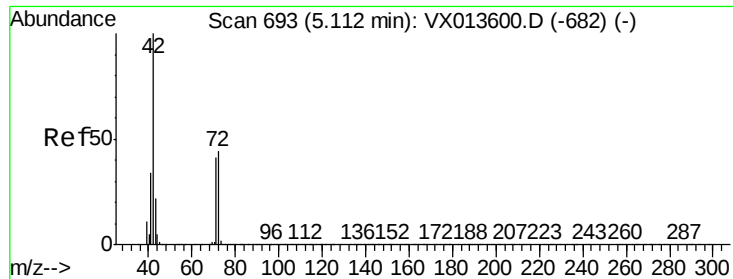
Tot Ion: 56 Resp: 765
Ion Ratio Lower Upper
56 100
55 65.8 56.2 84.4



#16
Acetone
Concen: 1.538 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

Tgt Ion: 43 Resp: 5871
Ion Ratio Lower Upper
43 100
58 36.1 24.6 36.8

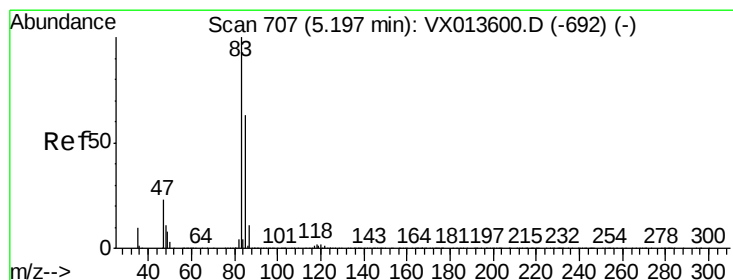
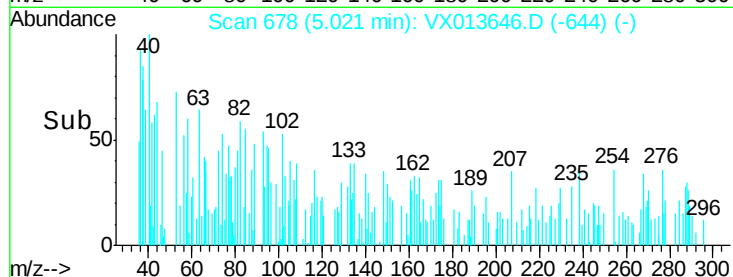
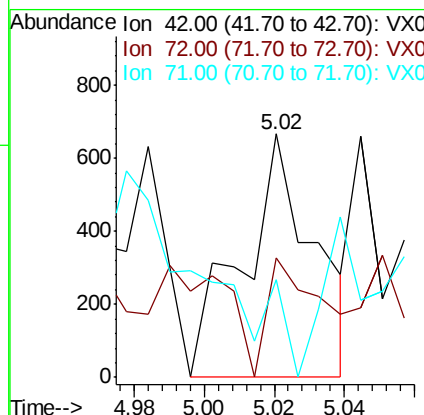
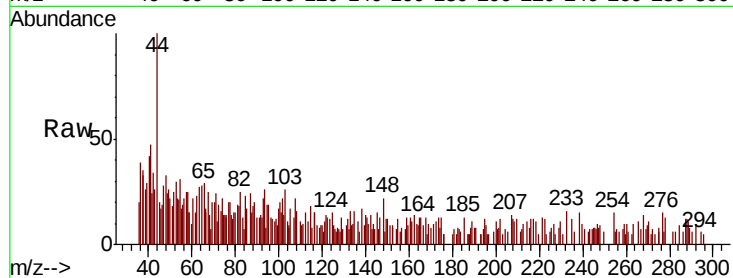




#29
Tetrahydrofuran
Concen: 0.269 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.09 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

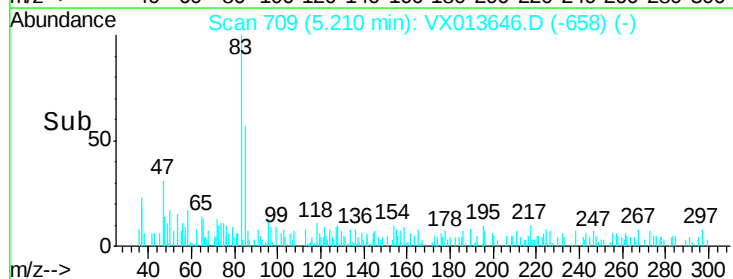
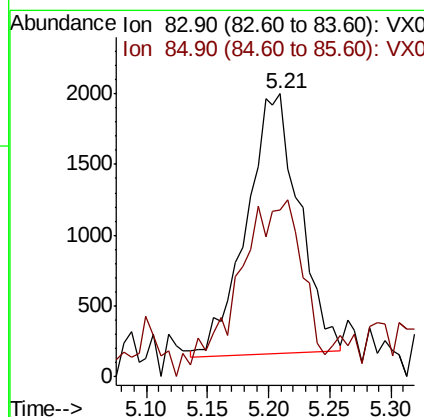
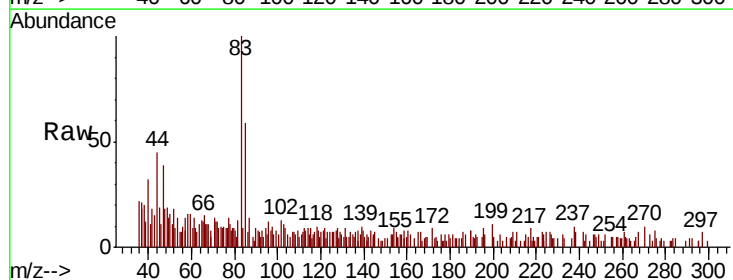
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

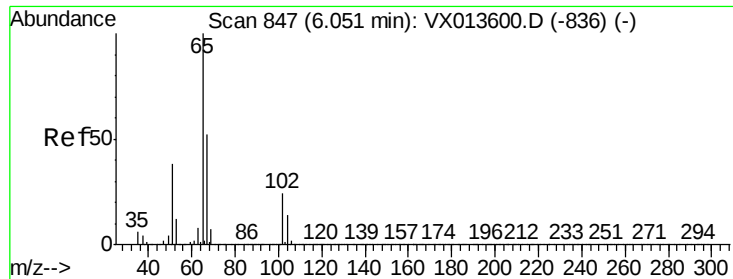
Tot Ion: 42 Resp: 940
Ion Ratio Lower Upper
42 100
72 37.4 36.3 54.5
71 41.9 33.2 49.8



#30
Chloroform
Concen: 0.448 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

Tgt Ion: 83 Resp: 5500
Ion Ratio Lower Upper
83 100
85 52.5 50.2 75.4

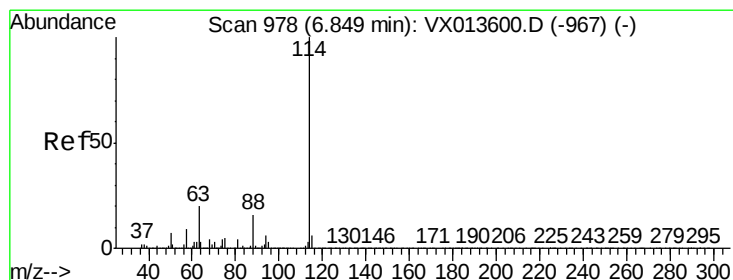
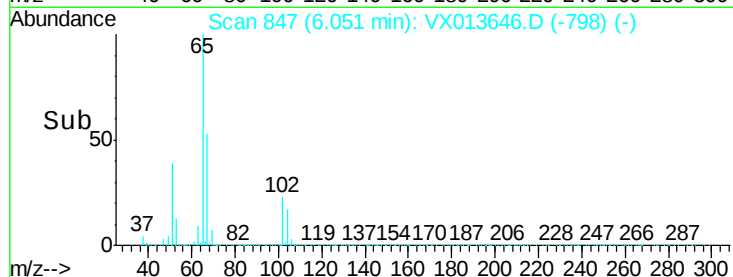
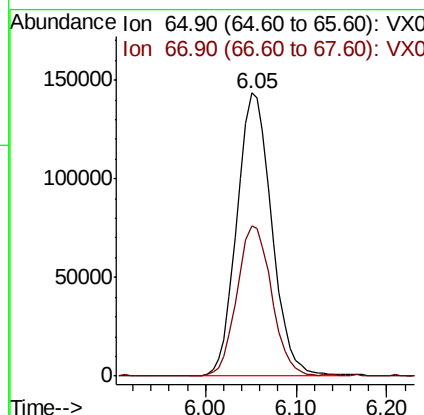
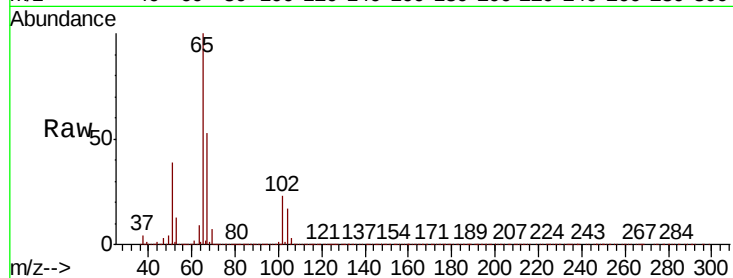




#33
 1,2-Dichloroethane-d4
 Concen: 49.308 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013646.D
 Acq: 27 Nov 2019 12:40

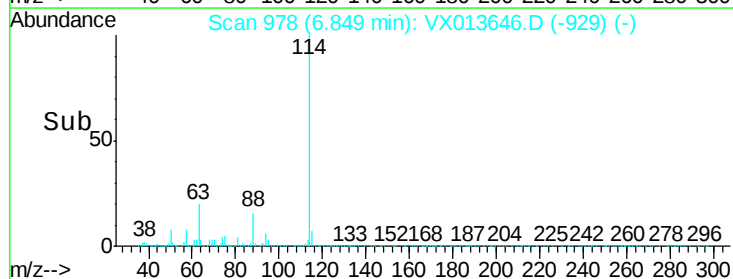
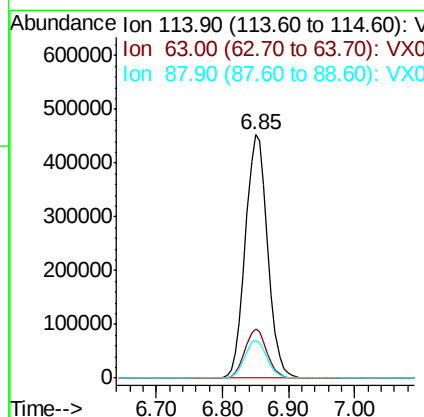
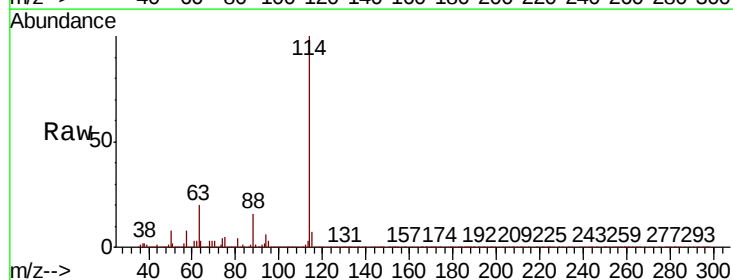
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

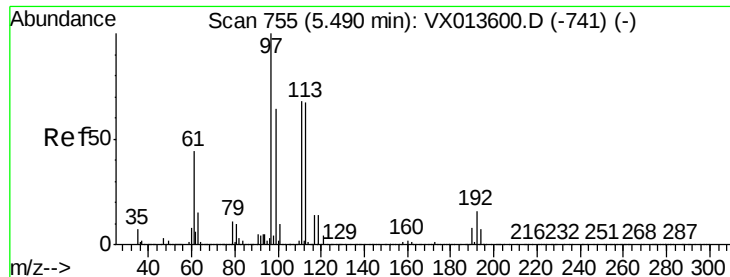
Tot Ion: 65 Resp: 381260
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013646.D
 Acq: 27 Nov 2019 12:40

Tgt Ion: 114 Resp: 1063170
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.199 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

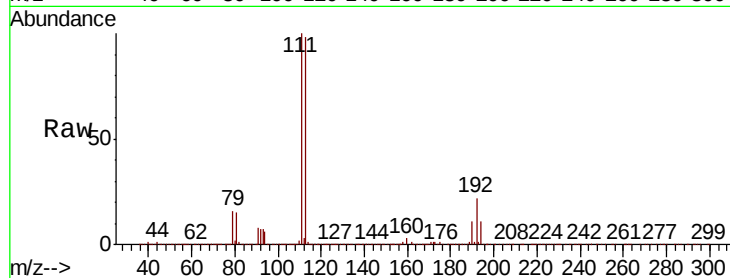
Tot Ion:113 Resp: 316795

Ion Ratio Lower Upper

113 100

111 101.9 83.6 125.4

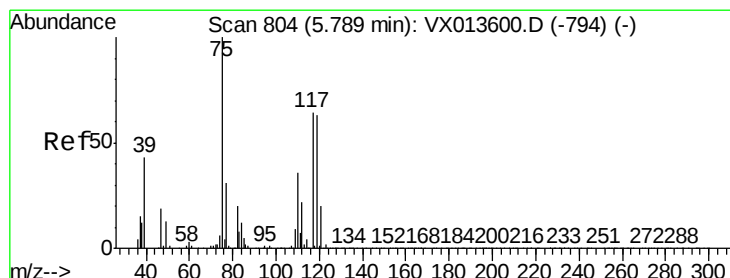
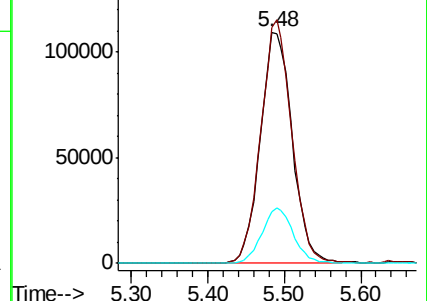
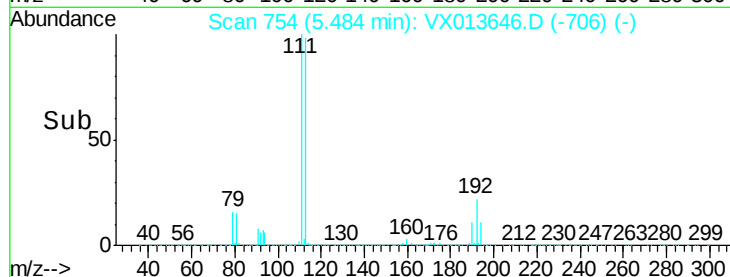
192 23.8 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 4.555 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

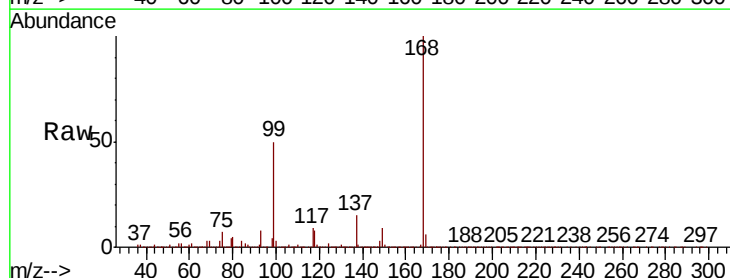
Tgt Ion: 75 Resp: 43958

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.1#

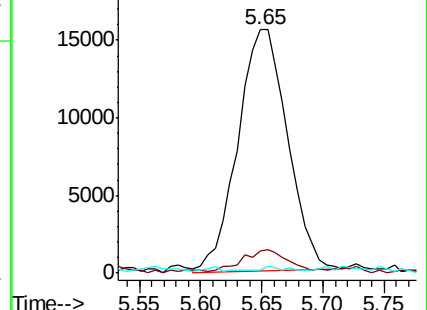
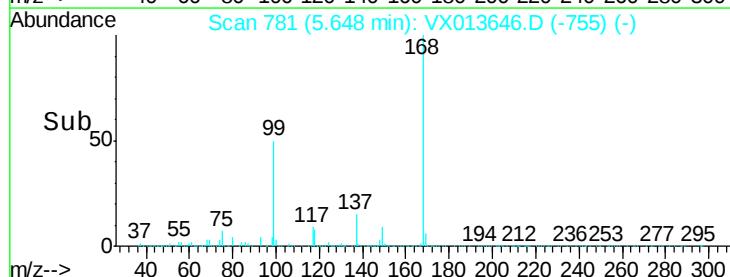
77 0.8 24.5 36.7#

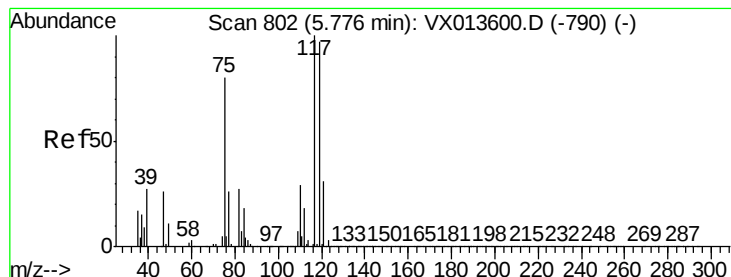


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.253 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

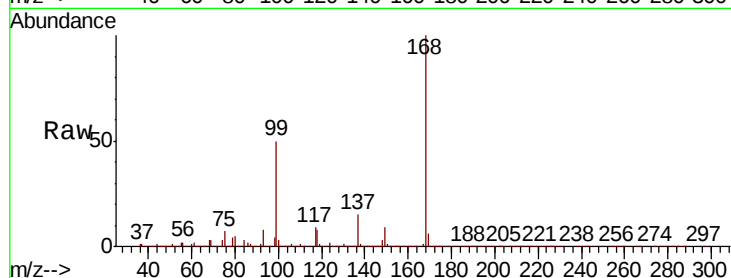
Tot Ion:117 Resp: 55644

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

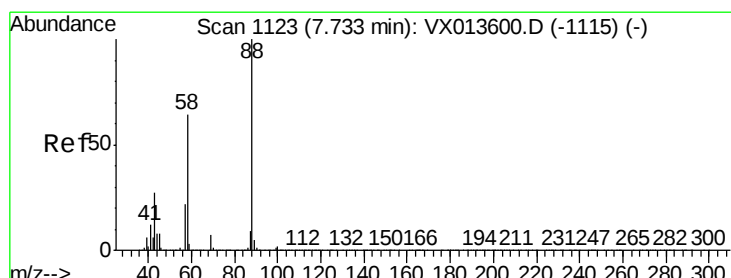
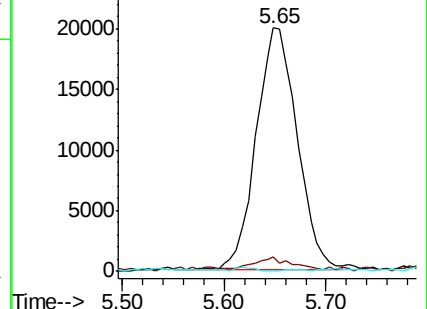
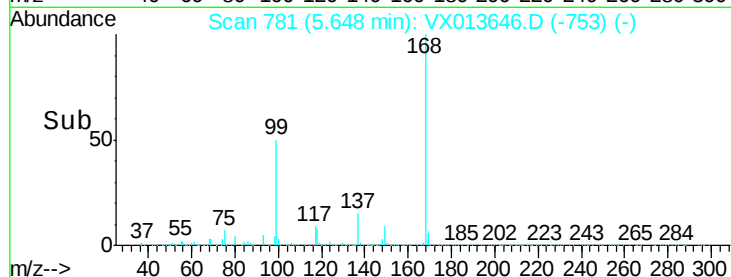
121 0.0 25.0 37.6#



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: 0.965 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

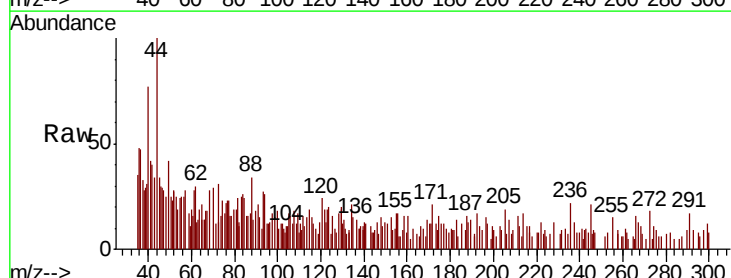
Tgt Ion: 88 Resp: 187

Ion Ratio Lower Upper

88 100

43 315.5 25.8 38.6#

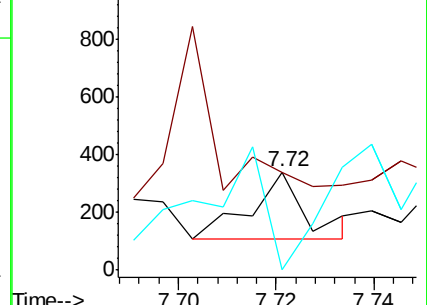
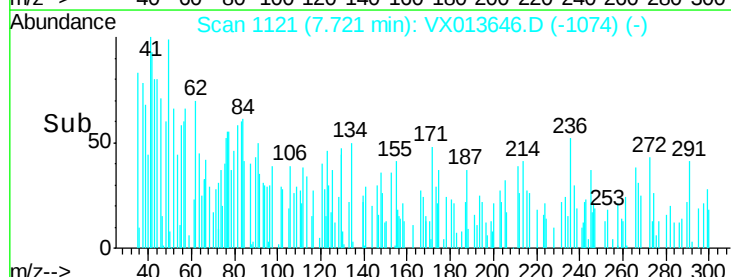
58 215.0 54.6 82.0#

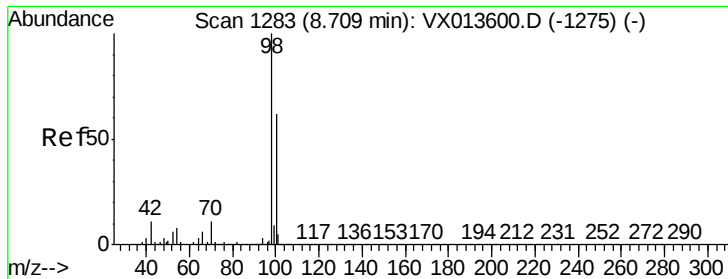


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.687 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

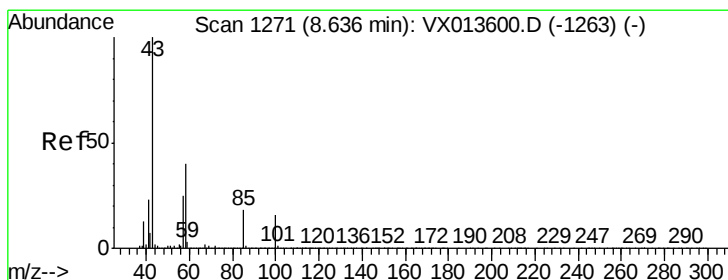
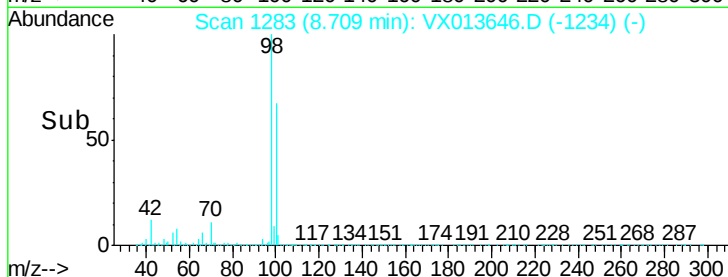
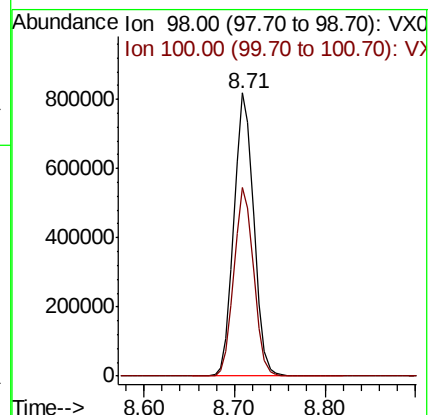
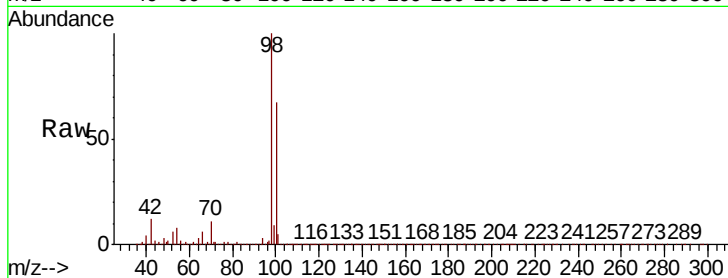
STORAGE-BLANK-WATER-REF-4

Tot Ion: 98 Resp: 1246758

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.595 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013646.D

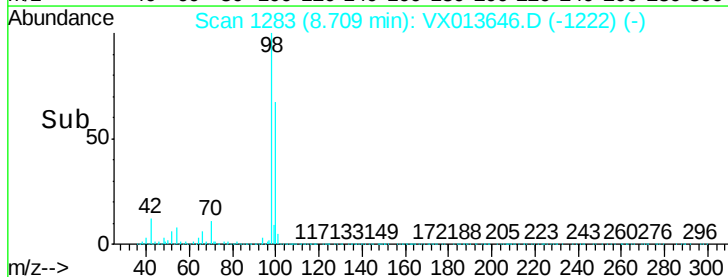
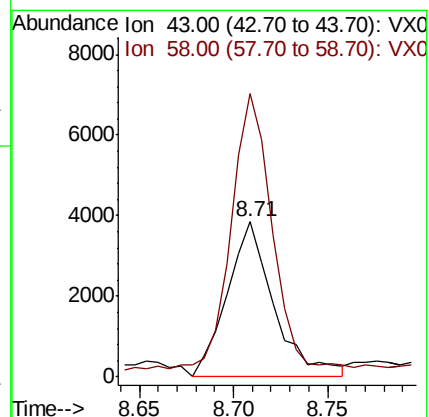
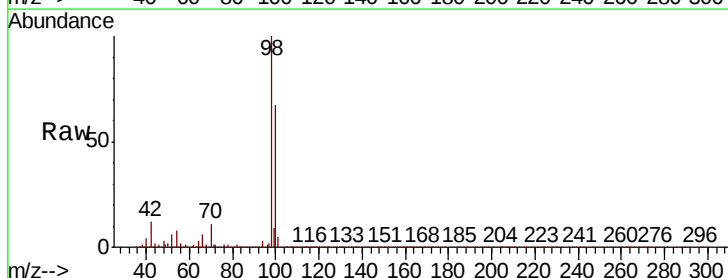
Acq: 27 Nov 2019 12:40

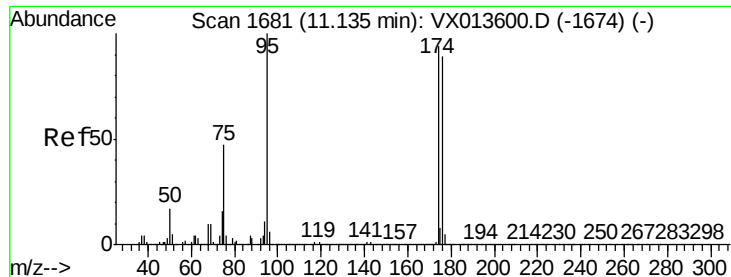
Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

43 100

58 176.6 32.1 48.1#





#62

4-Bromofluorobenzene

Concen: 45.006 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

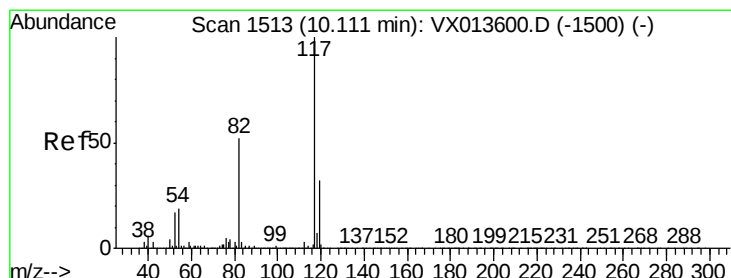
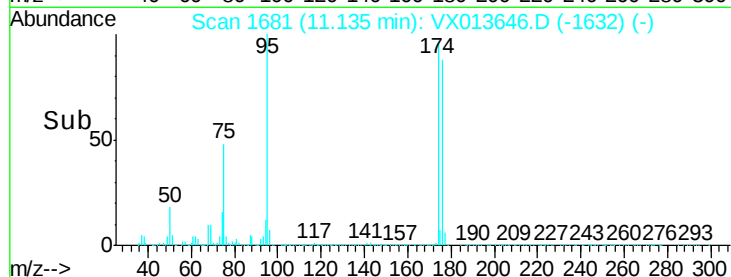
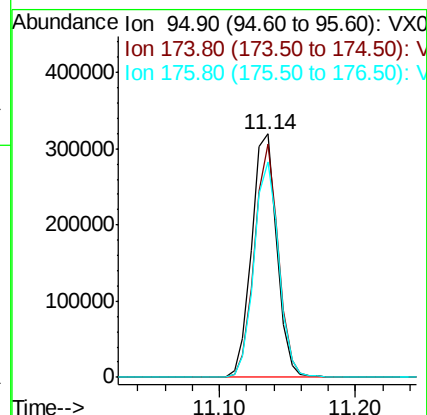
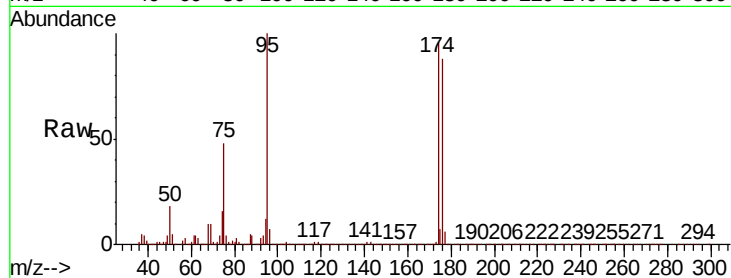
Tot Ion: 95 Resp: 415597

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

176 87.5 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

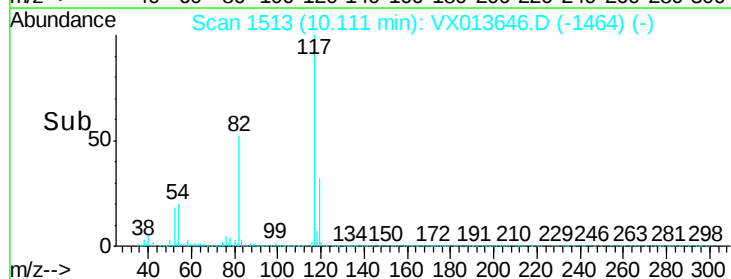
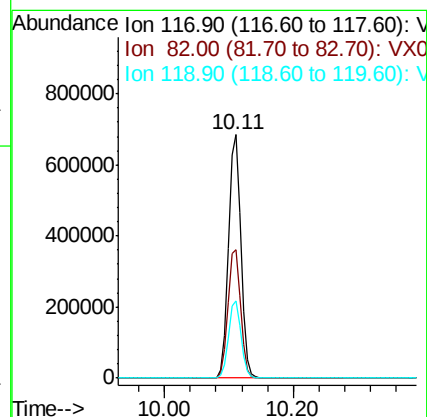
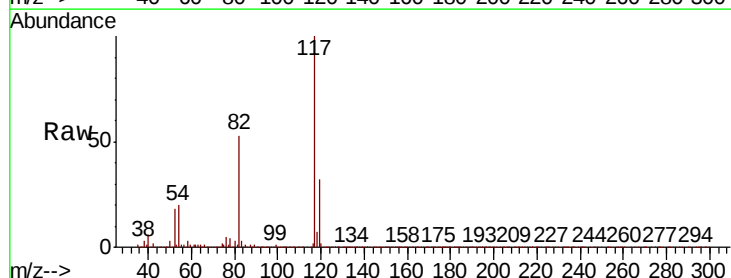
Tgt Ion: 117 Resp: 939455

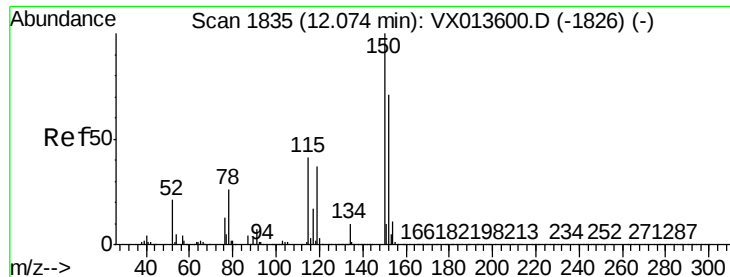
Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

119 31.8 25.8 38.8



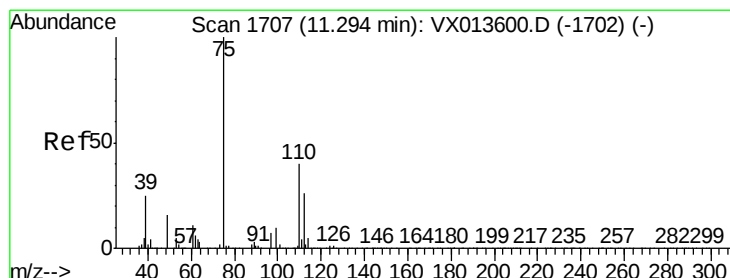
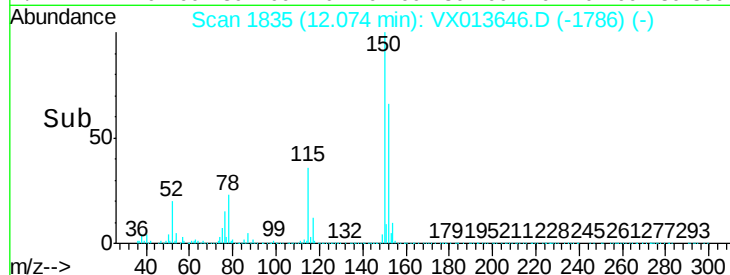
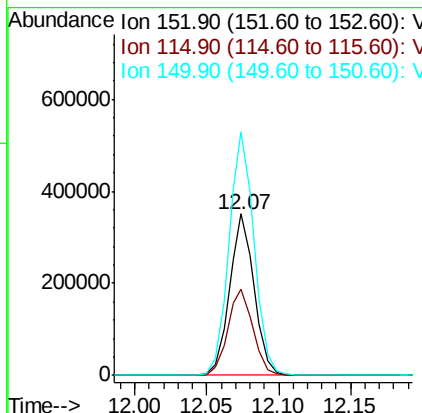
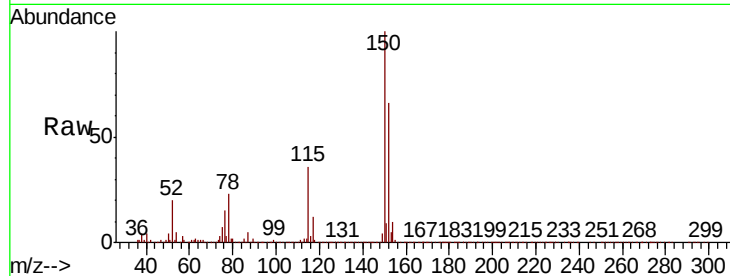


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

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

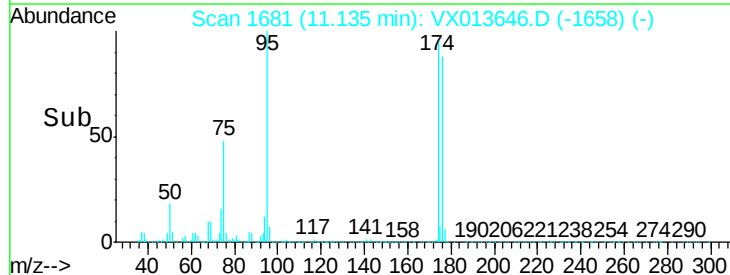
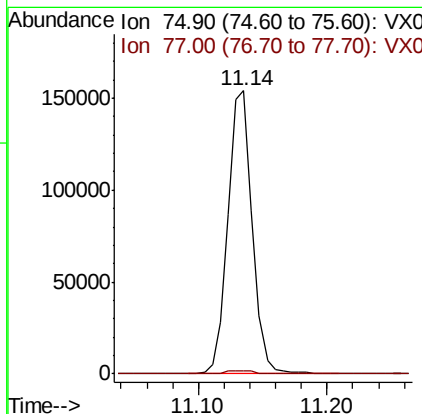
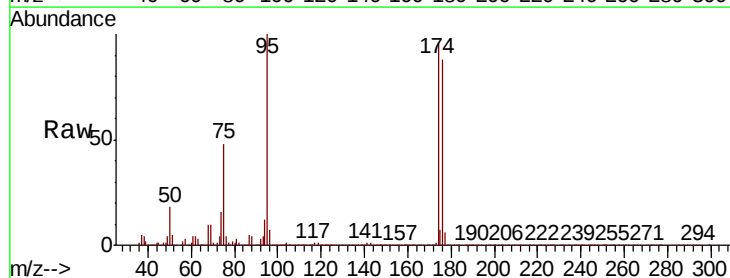
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	38.4	115.1
150	154.9	0.0	346.8

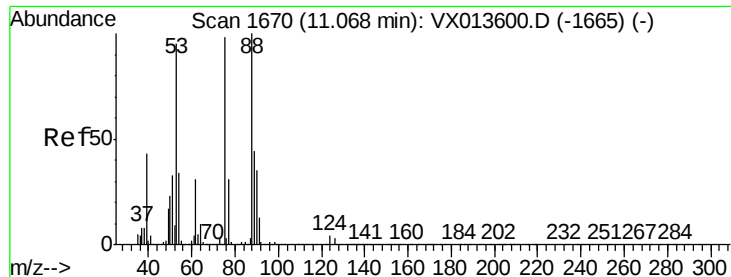


#76

1,2,3-Trichloropropane
Concen: 21.647 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013646.D
Acq: 27 Nov 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.221 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013646.D

Acq: 27 Nov 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

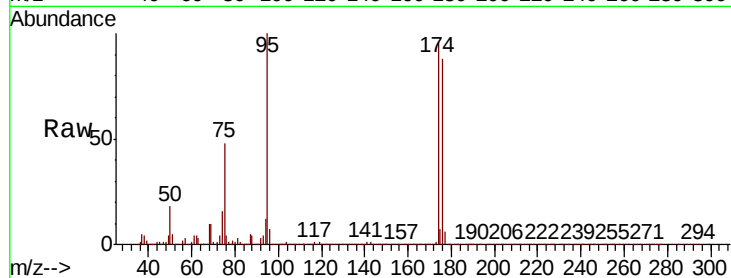
Tot Ion: 75 Resp: 203574

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.0 35.4 53.2#



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

