

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\
 Data File : VX013748.D
 Acq On : 04 Dec 2019 14:44
 Operator : JC/SP
 Sample : K6095-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 05 00:55:32 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	688895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1042975	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	914288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	407789	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	374388	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.49	113	314264	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	8.71	98	1221691	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.14	95	414633	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

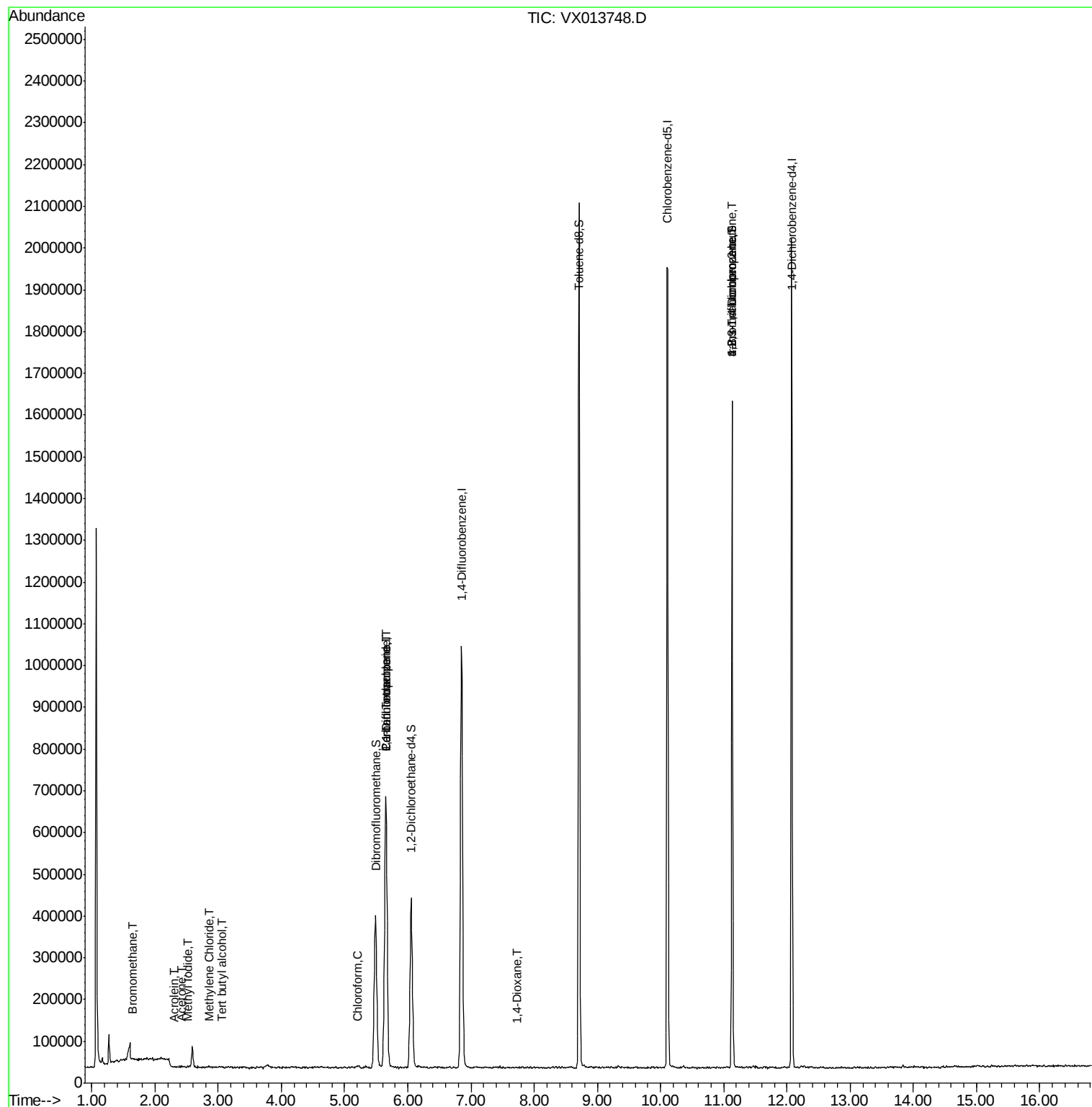
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2575	0.396	ug/l	93
10) Methyl Iodide	2.51	142	2726	0.343	ug/l #	44
11) Tert butyl alcohol	3.05	59	486	0.246	ug/l #	74
13) Acrolein	2.30	56	294	6.221	ug/l	91
16) Acetone	2.43	43	2405	0.609	ug/l	95
20) Methylene Chloride	2.84	84	1751	0.231	ug/l #	62
30) Chloroform	5.20	83	6417	0.505	ug/l	90
36) 1,1-Dichloropropene	5.65	75	46257	4.886	ug/l #	51
38) Carbon Tetrachloride	5.65	117	58436	6.694	ug/l #	14
49) 1,4-Dioxane	7.73	88	238	1.251	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	201190	21.935	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	201190	60.012	ug/l #	11

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

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Quant Time: Dec 05 00:55:32 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: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

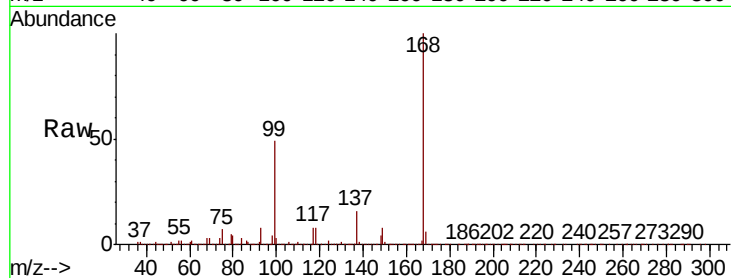
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 688895

Ion Ratio Lower Upper

168 100

99 49.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

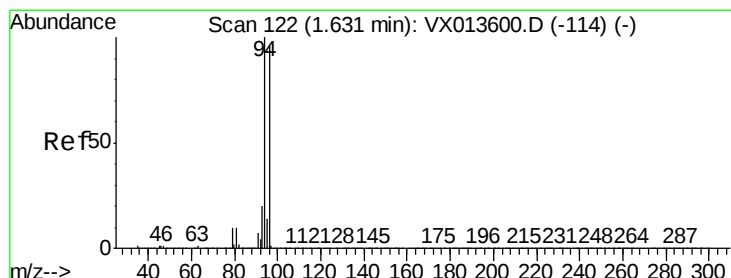
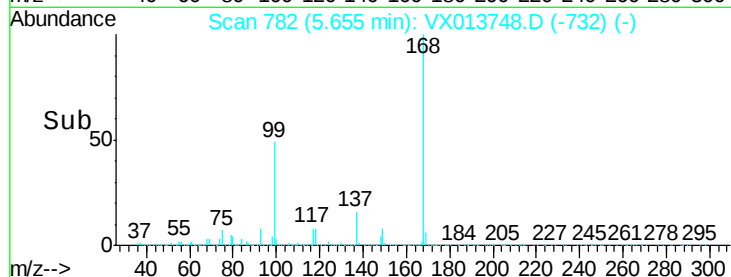
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.396 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013748.D

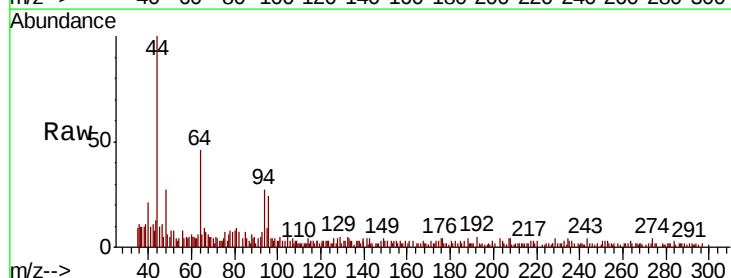
Acq: 04 Dec 2019 14:44

Tgt Ion: 94 Resp: 2575

Ion Ratio Lower Upper

94 100

96 89.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1500

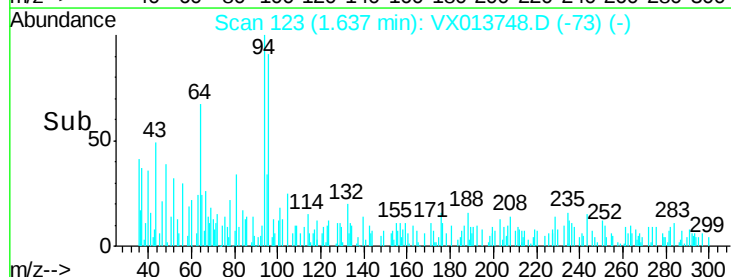
1000

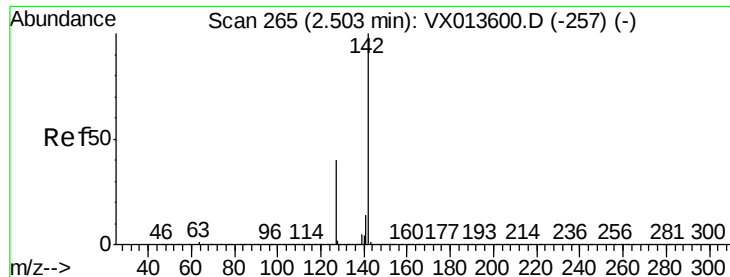
500

0

1.60 1.65 1.70

Time-->

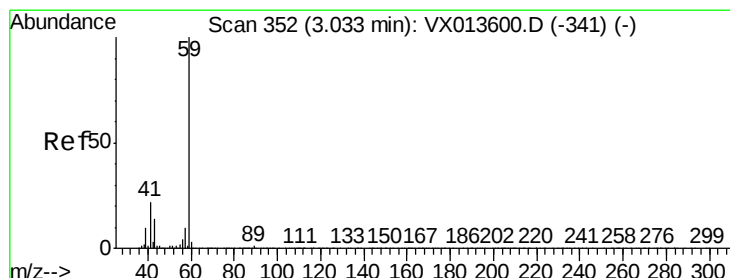
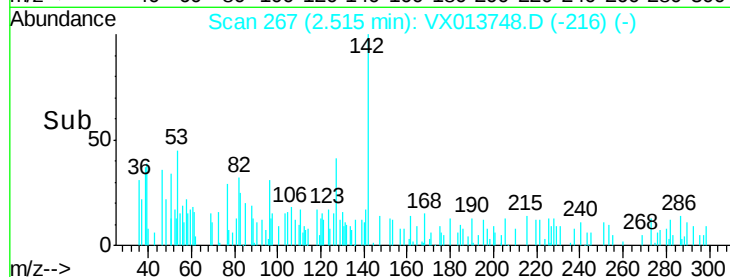
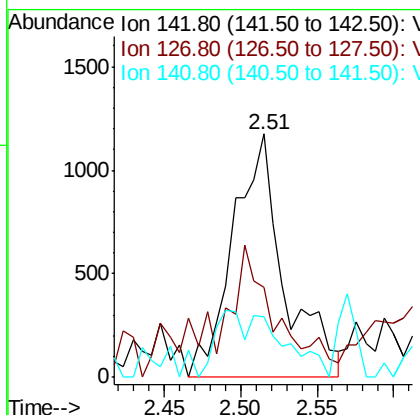
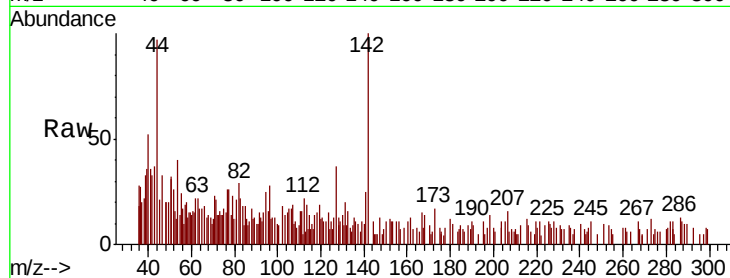




#10
Methvl Iodide
Concen: 0.343 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX013748.D
Acq: 04 Dec 2019 14:44

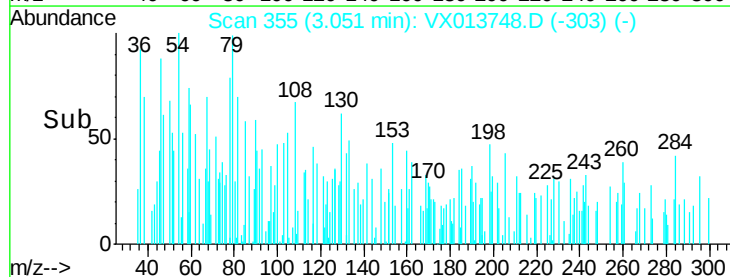
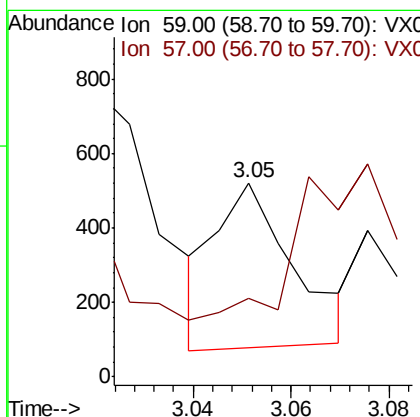
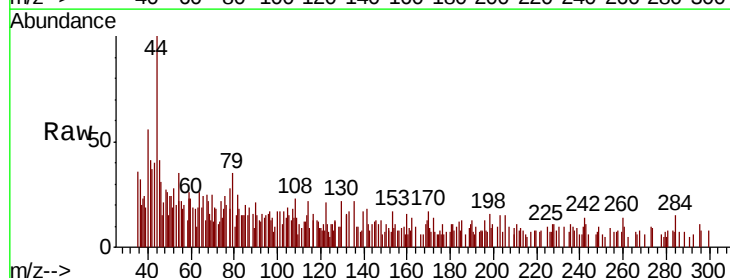
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

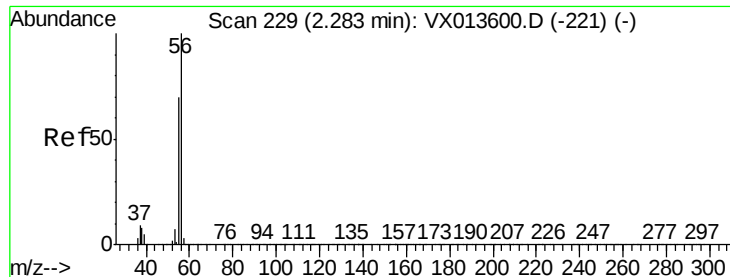
Tot Ion:142 Resp: 2726
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.246 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.02 min
Lab File: VX013748.D
Acq: 04 Dec 2019 14:44

Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: 6.221 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

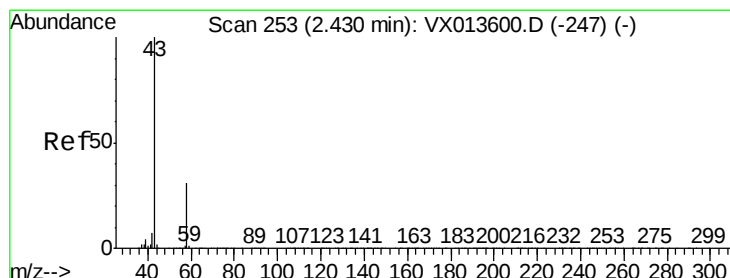
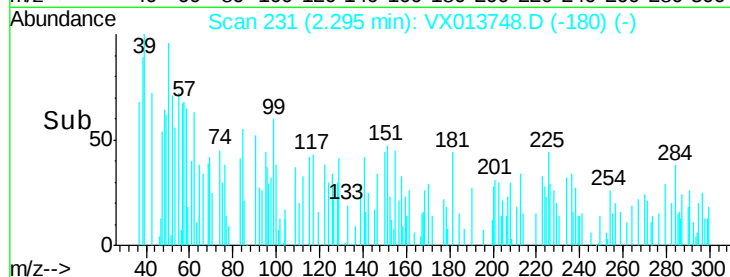
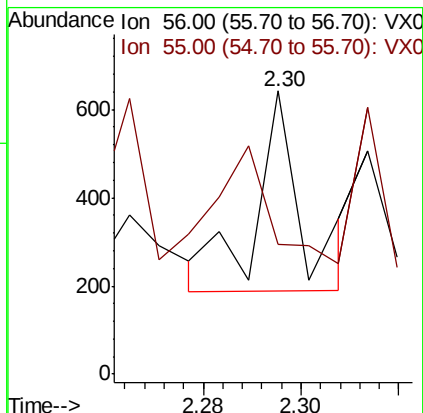
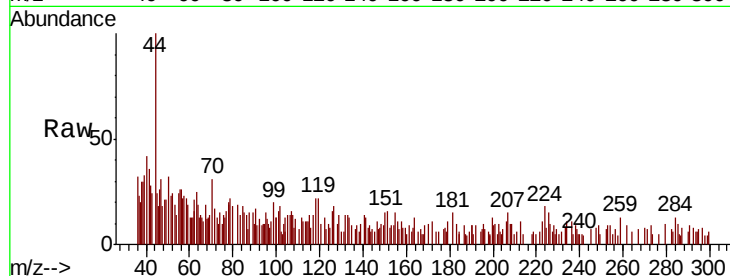
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56.00 Resp: 294

Ion Ratio Lower Upper

56 100

55 62.6 56.2 84.4



#16

Acetone

Concen: 0.609 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013748.D

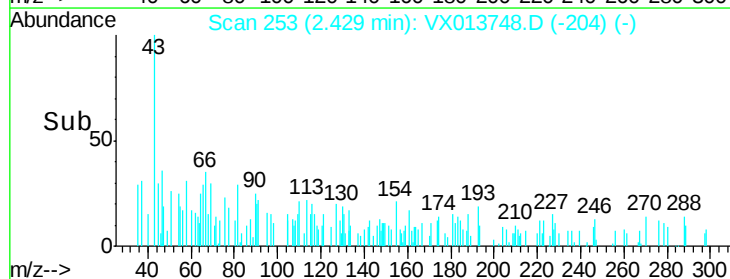
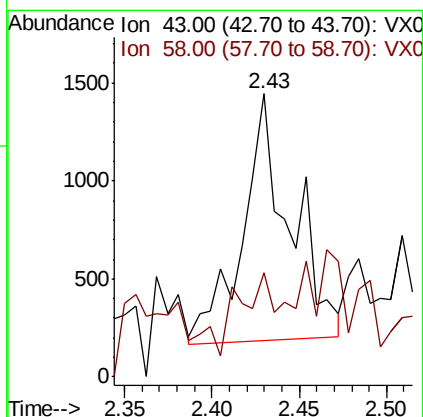
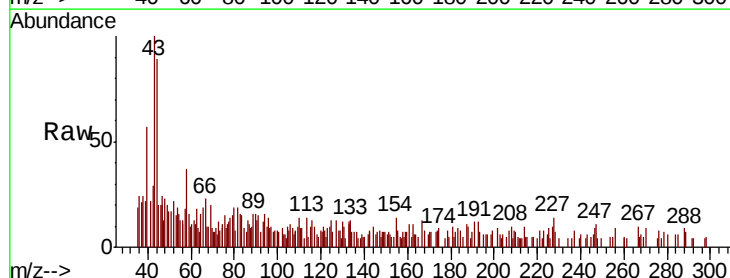
Acq: 04 Dec 2019 14:44

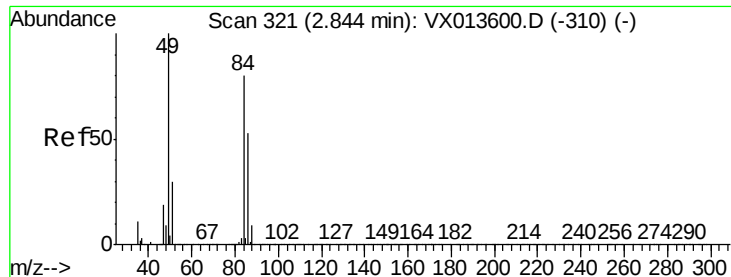
Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

58 28.1 24.6 36.8





#20

Methylene Chloride

Concen: 0.231 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 84 Resp: 1751

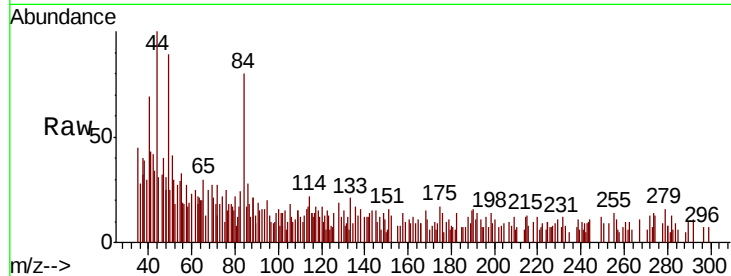
Ion Ratio Lower Upper

84 100

49 65.4 99.7 149.5#

51 36.1 29.9 44.9

86 39.9 52.2 78.4#

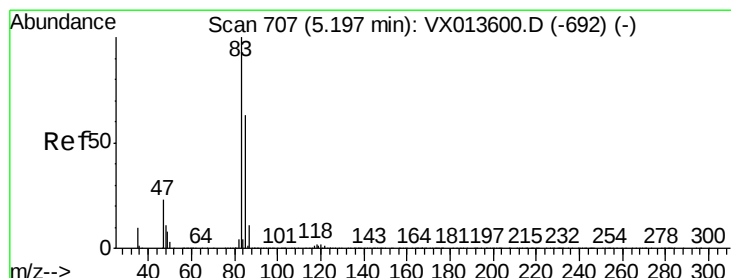
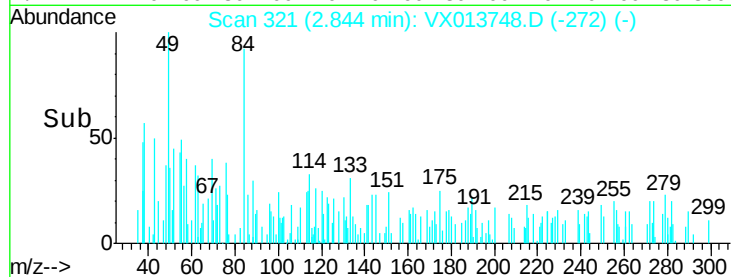
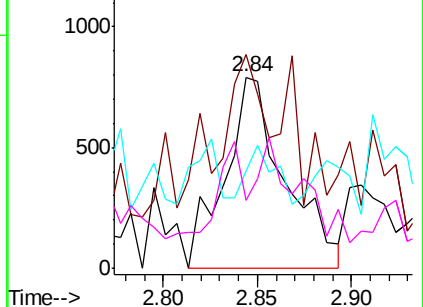


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#30

Chloroform

Concen: 0.505 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013748.D

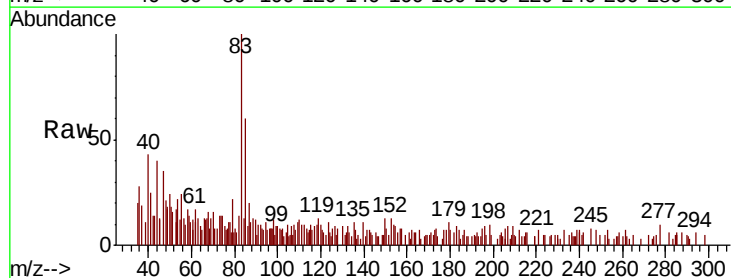
Acq: 04 Dec 2019 14:44

Tgt Ion: 83 Resp: 6417

Ion Ratio Lower Upper

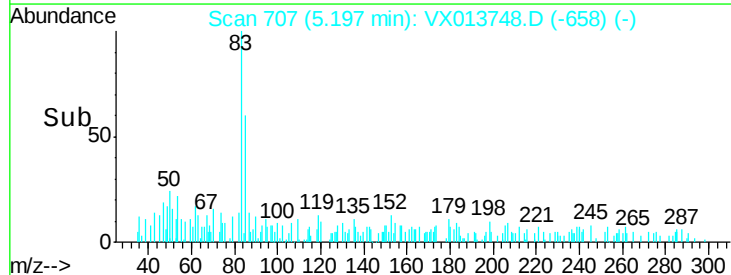
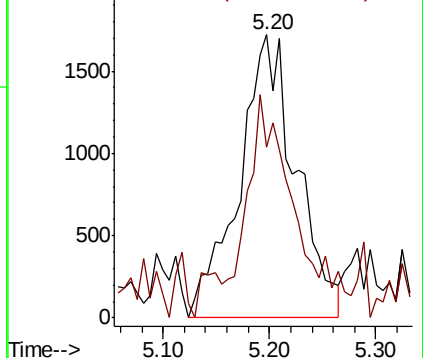
83 100

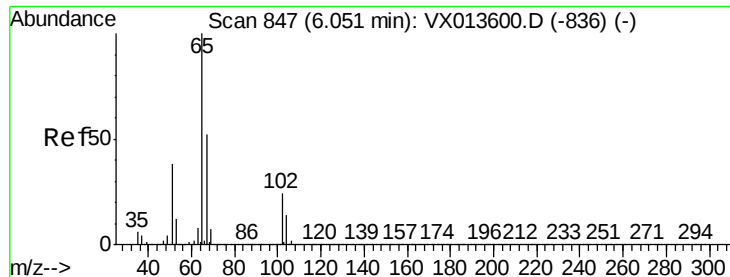
85 55.4 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.819 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

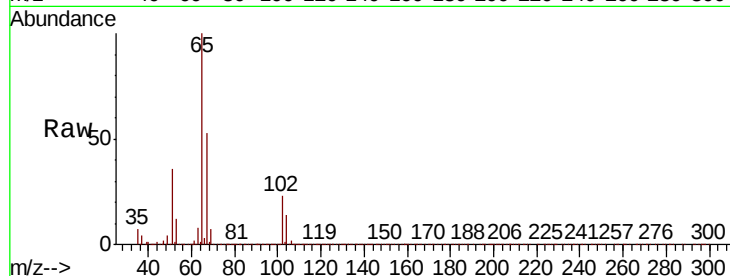
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 374388

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

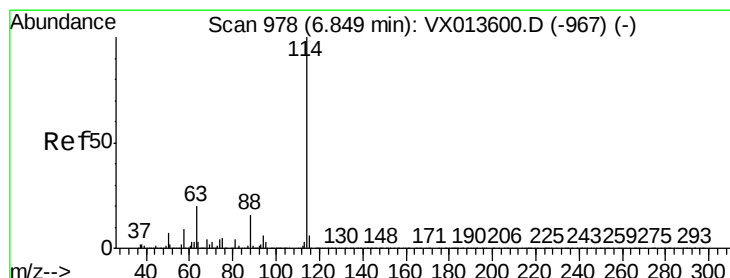
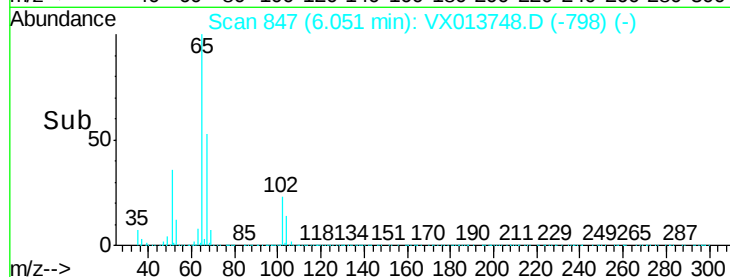
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

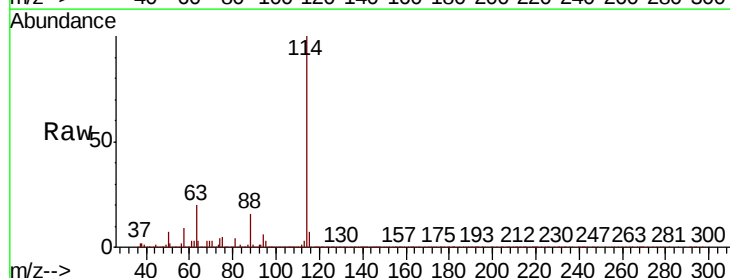
Tgt Ion: 114 Resp: 1042975

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 15.5 0.0 31.4



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

600000

500000

400000

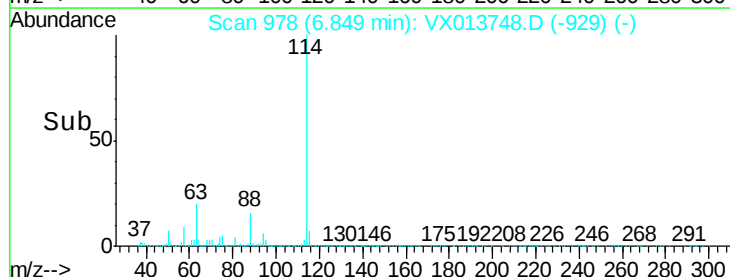
300000

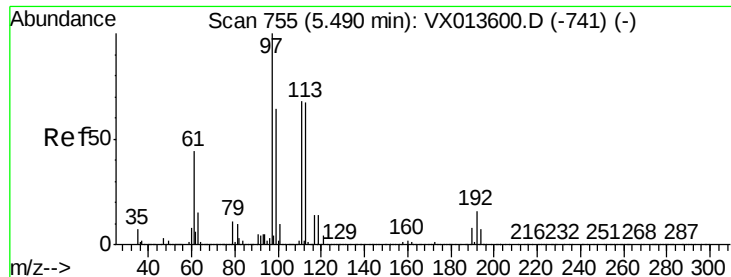
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.740 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

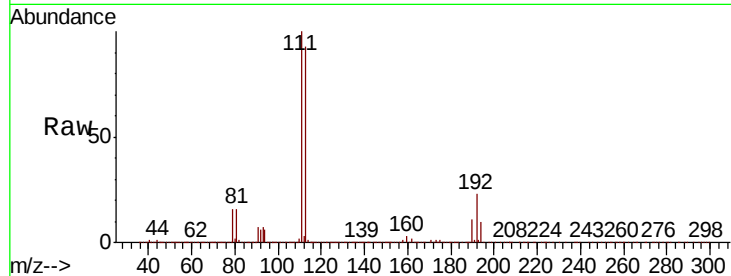
Tot Ion:113 Resp: 314264

Ion Ratio Lower Upper

113 100

111 102.4 83.6 125.4

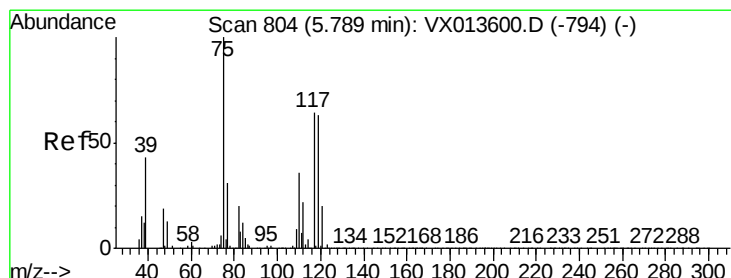
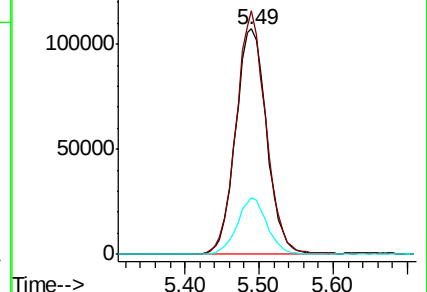
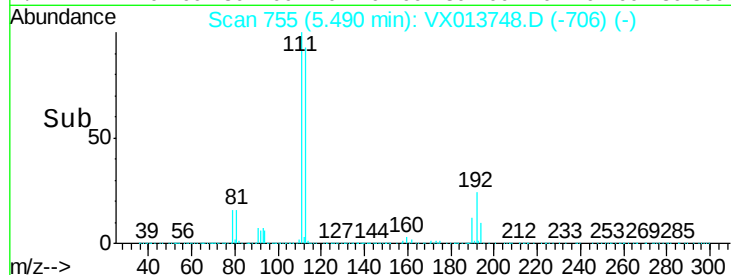
192 23.9 19.2 28.8



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: 4.886 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

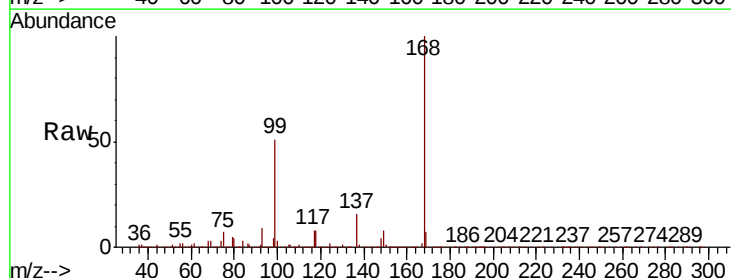
Tgt Ion: 75 Resp: 46257

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

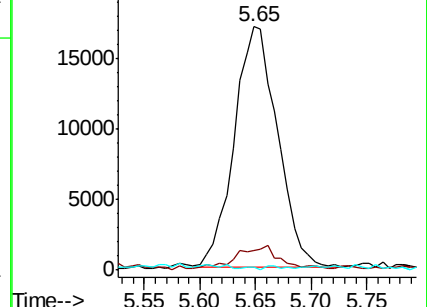
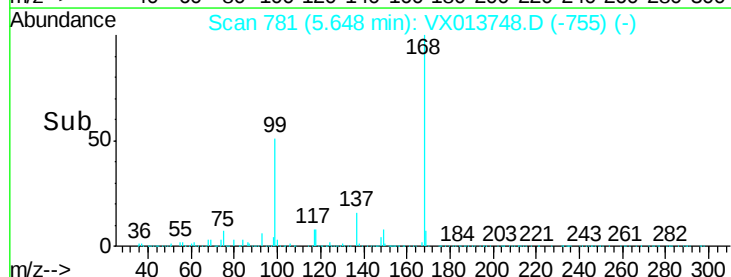
77 0.5 24.5 36.7#

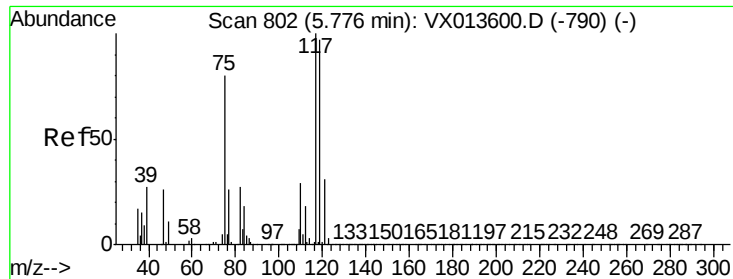


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.694 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

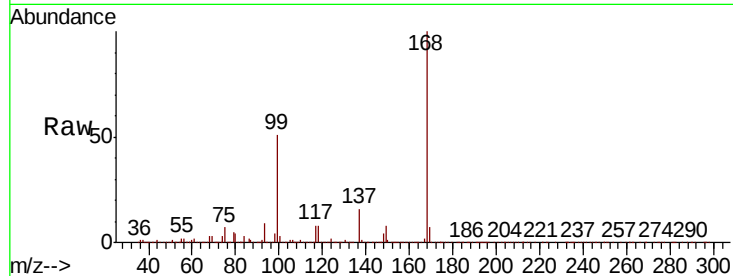
Tot Ion:117 Resp: 58436

Ion Ratio Lower Upper

117 100

119 3.7 77.5 116.3#

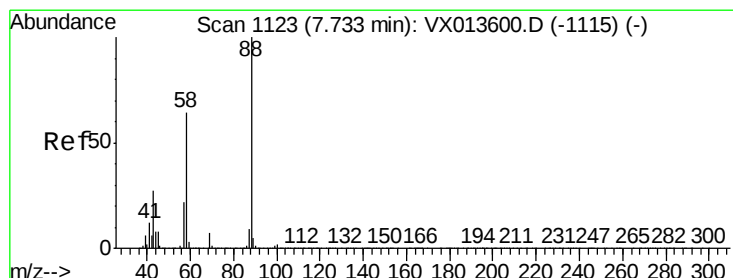
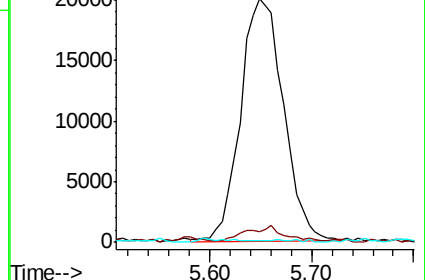
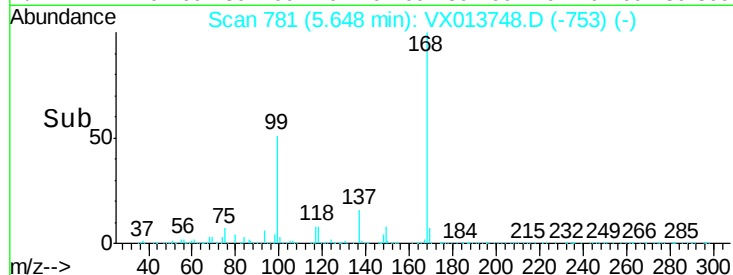
121 0.1 25.0 37.6#



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: 1.251 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

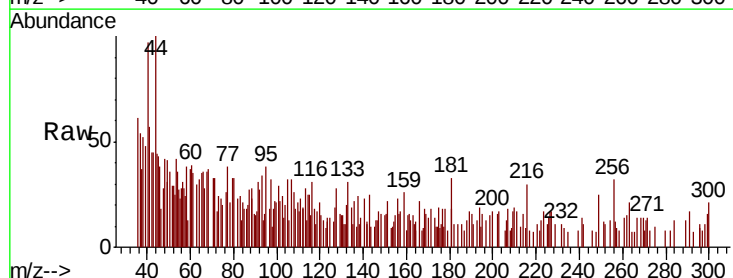
Tgt Ion: 88 Resp: 238

Ion Ratio Lower Upper

88 100

43 163.4 25.8 38.6#

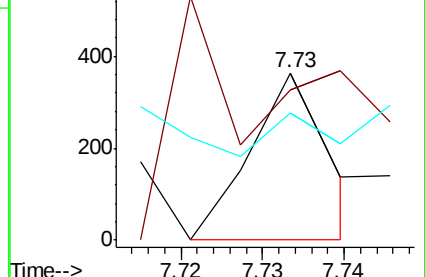
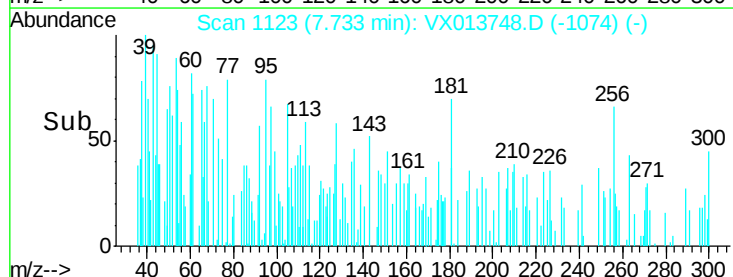
58 0.0 54.6 82.0#

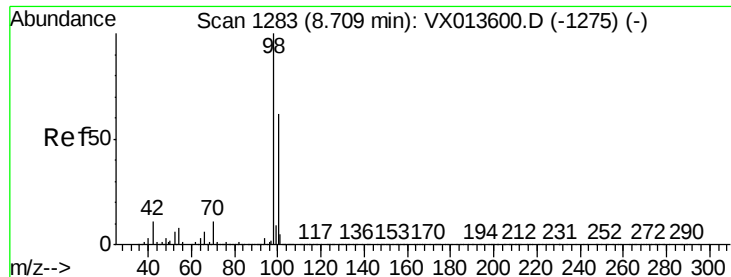


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.632 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

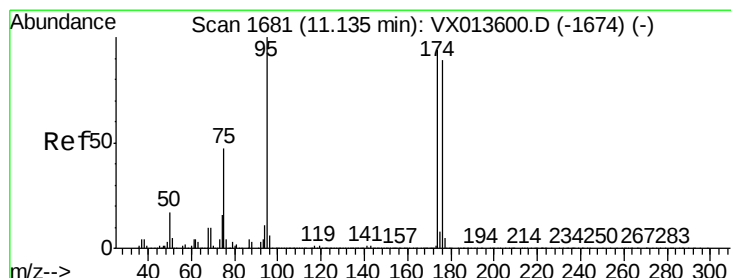
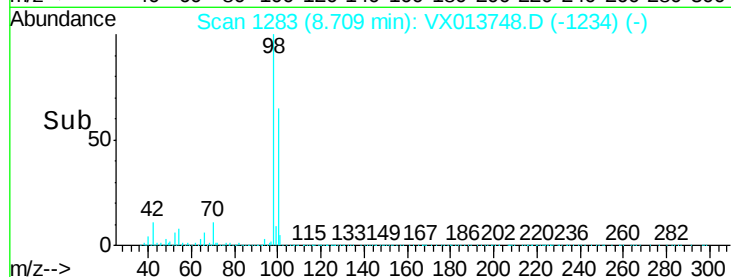
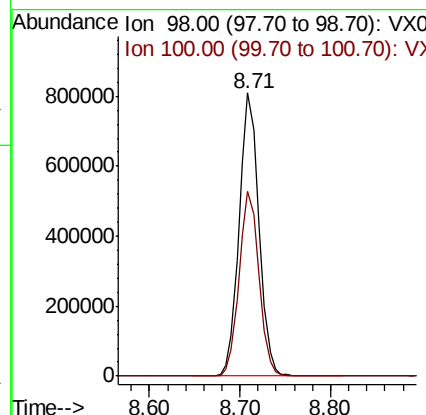
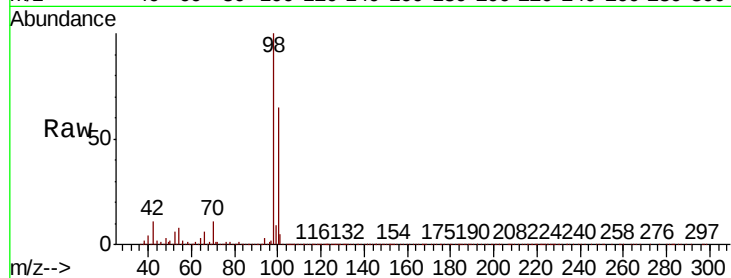
STORAGE-BLANK-WATER-REF-5

Tot Ion: 98 Resp: 1221691

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.771 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

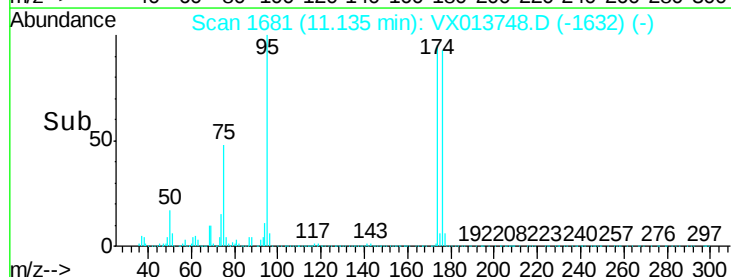
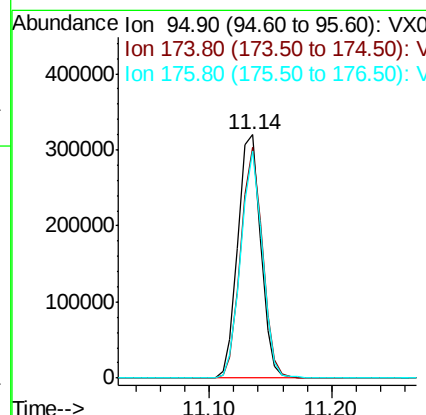
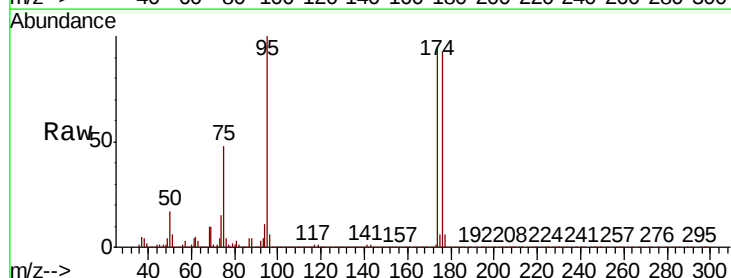
Tgt Ion: 95 Resp: 414633

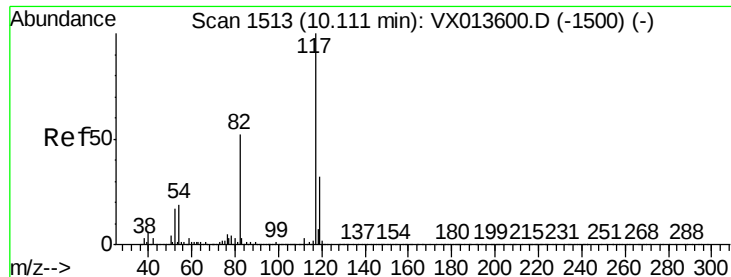
Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

176 87.5 0.0 173.6

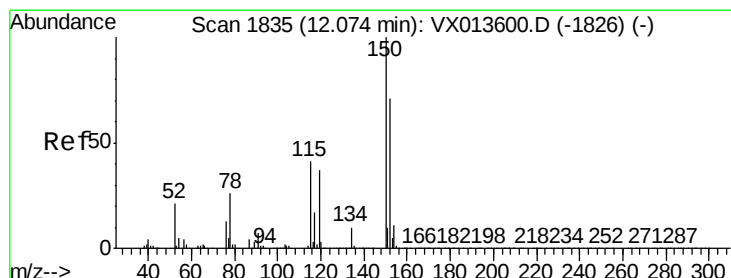
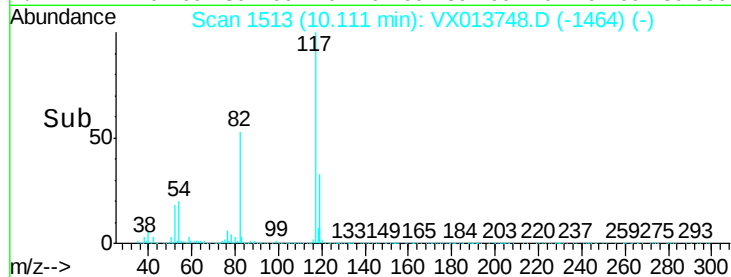
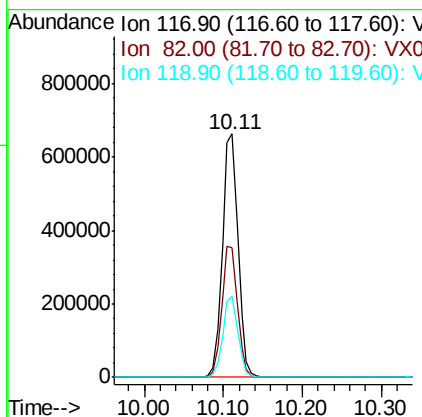
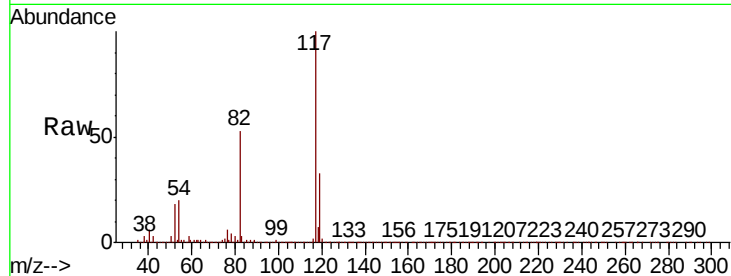




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013748.D
Acq: 04 Dec 2019 14:44

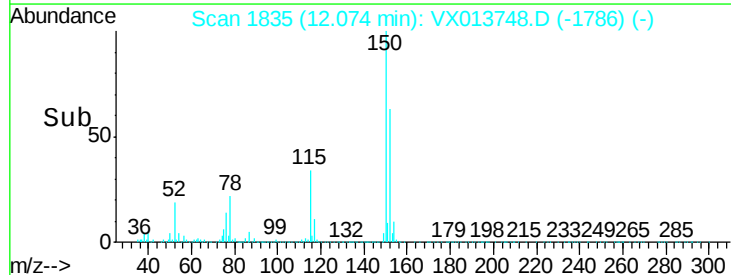
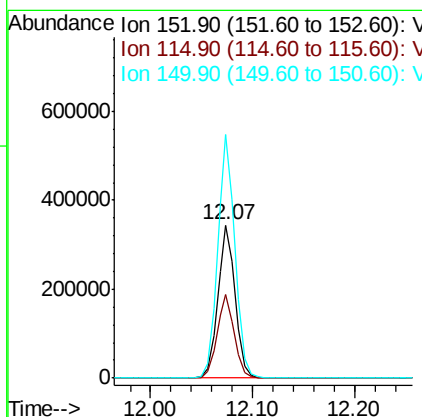
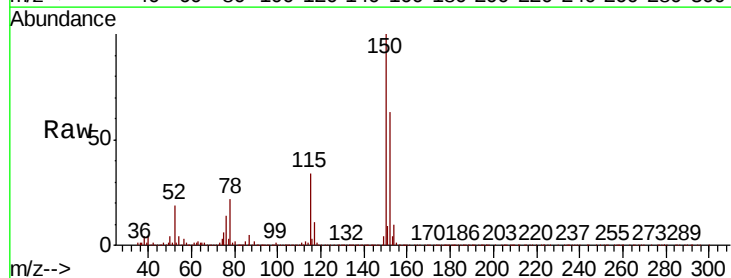
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

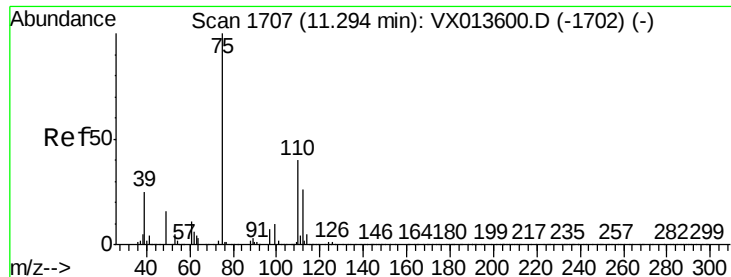
Tot Ion:117 Resp: 914288
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 33.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013748.D
Acq: 04 Dec 2019 14:44

Tgt Ion:152 Resp: 407789
Ion Ratio Lower Upper
152 100
115 54.6 38.4 115.1
150 159.0 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 21.935 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

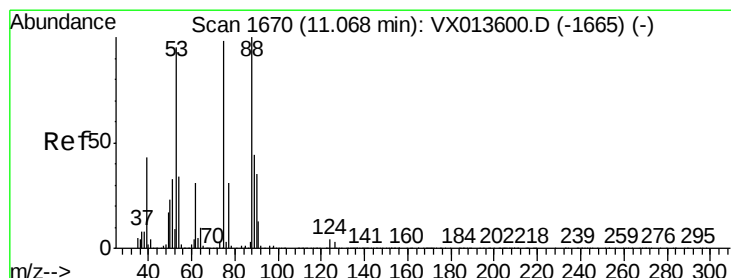
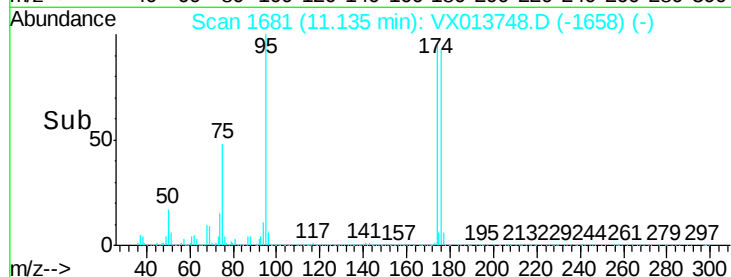
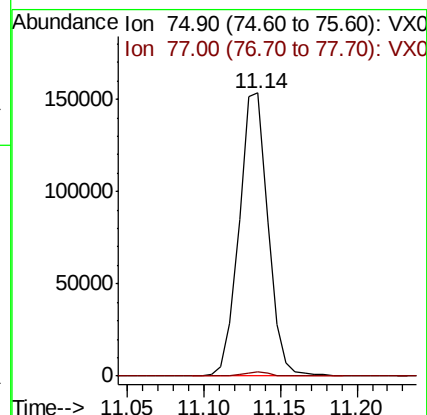
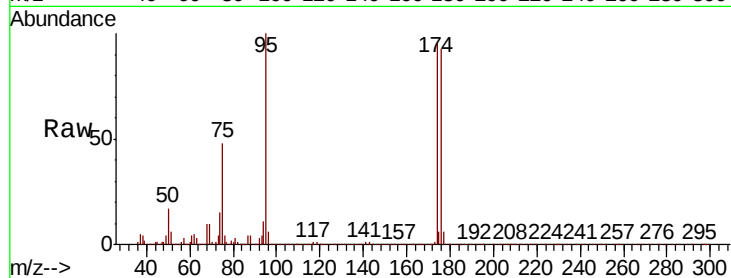
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 201190

Ion Ratio Lower Upper

75 100

77 1.5 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.012 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013748.D

Acq: 04 Dec 2019 14:44

Tgt Ion: 75 Resp: 201190

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.0 35.4 53.2#

