

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013223.D
 Acq On : 25 Oct 2019 12:11
 Operator : JC/SP
 Sample : K5547-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 25 23:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	73232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	106015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	63081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	81526	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	5.48	113	62822	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.71	98	227433	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	83062	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

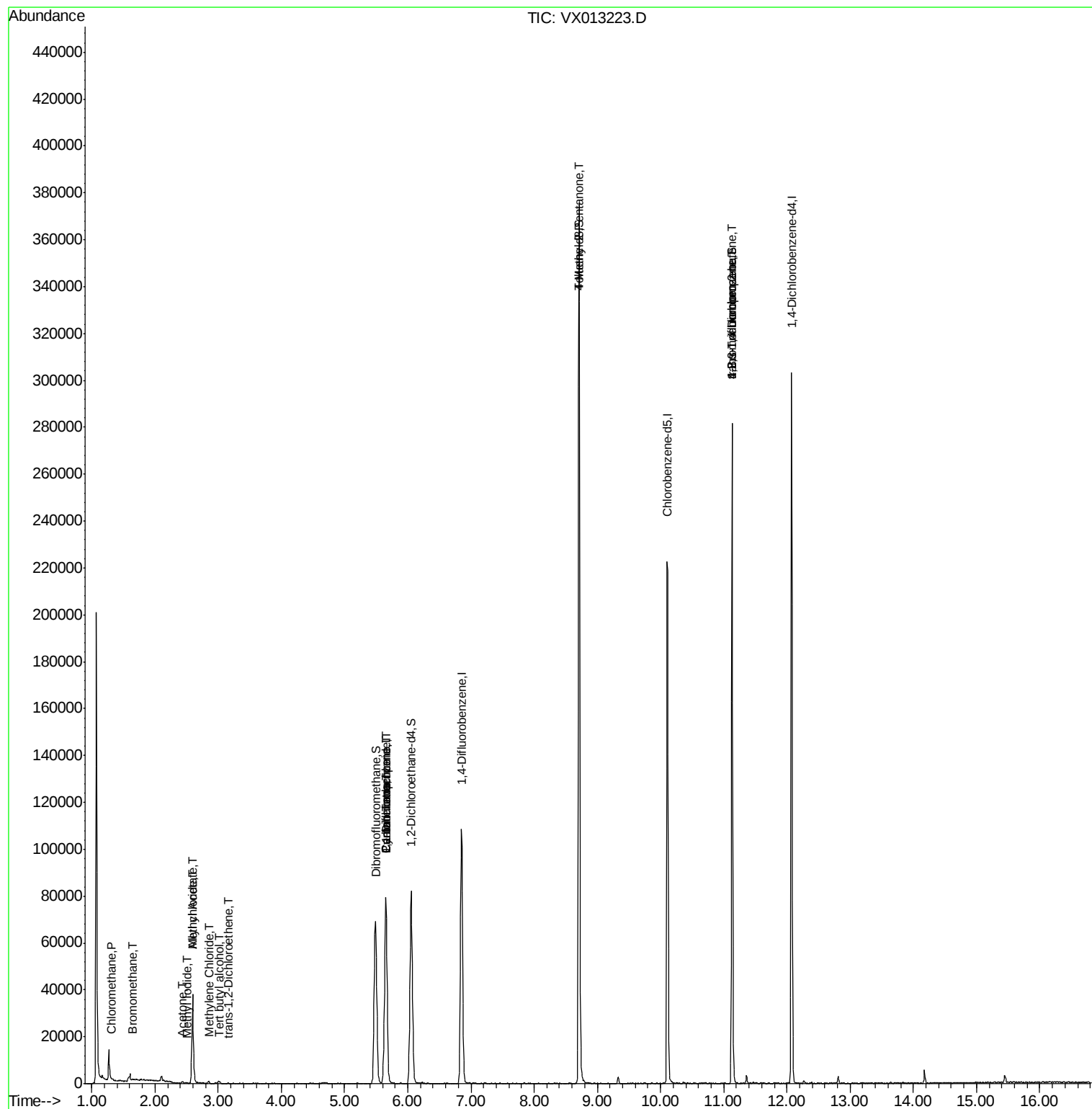
					Qvalue	
3) Chloromethane	1.31	50	197	1.136	ug/l #	40
5) Bromomethane	1.64	94	210	0.298	ug/l	84
6) Chloroethane	1.71	64	342	Below Cal	#	43
10) Methyl Iodide	2.52	142	264	3.690	ug/l #	48
11) Tert butyl alcohol	3.02	59	631	0.840	ug/l #	72
14) Allyl chloride	2.59	41	3777	1.923	ug/l #	67
16) Acetone	2.43	43	799	1.107	ug/l #	79
18) Methyl Acetate	2.59	43	10272	7.362	ug/l #	49
20) Methylene Chloride	2.85	84	403	0.585	ug/l #	71
21) trans-1,2-Dichloroethene	3.16	96	104	0.555	ug/l #	1
31) Cyclohexane	5.65	56	1643	0.829	ug/l #	30
36) 1,1-Dichloropropene	5.65	75	5837	3.146	ug/l #	51
38) Carbon Tetrachloride	5.65	117	7810	3.900	ug/l #	12
51) 4-Methyl-2-Pentanone	8.72	43	832	0.455	ug/l #	1
64) Tetrachloroethene	9.34	164	65	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	41582	27.350	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	41582	75.156	ug/l #	10

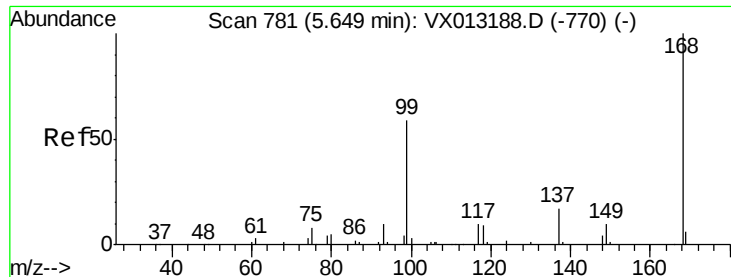
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 25 23:02:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

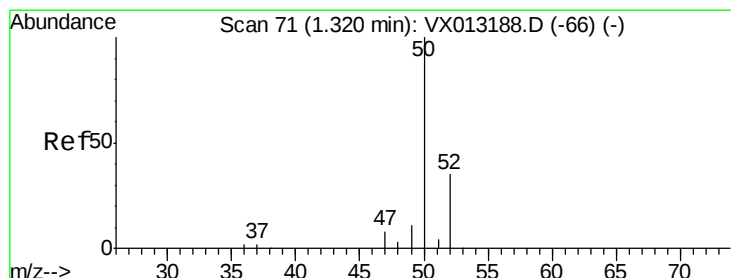
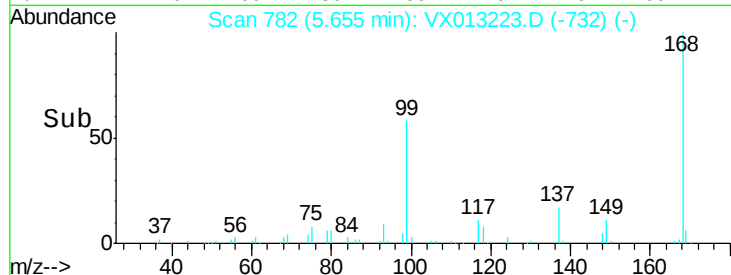
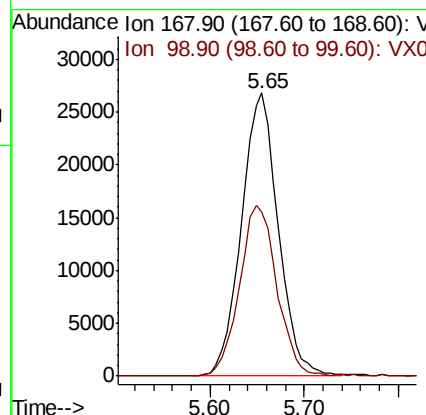
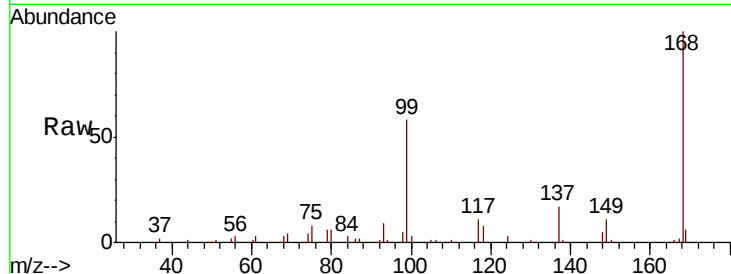




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

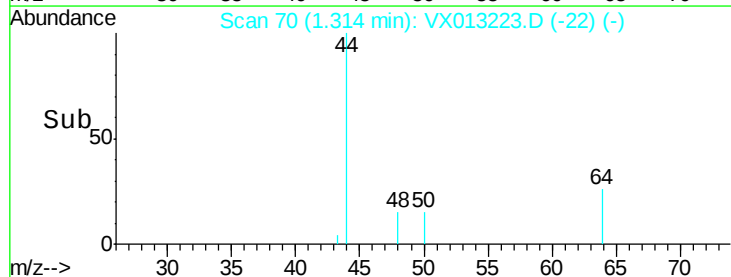
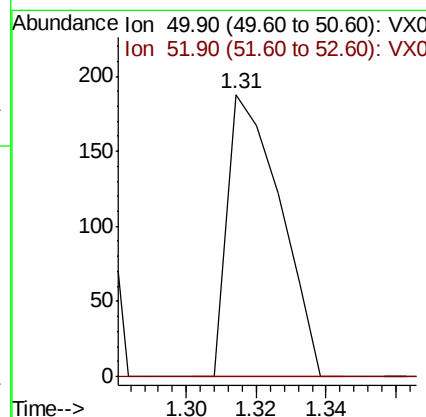
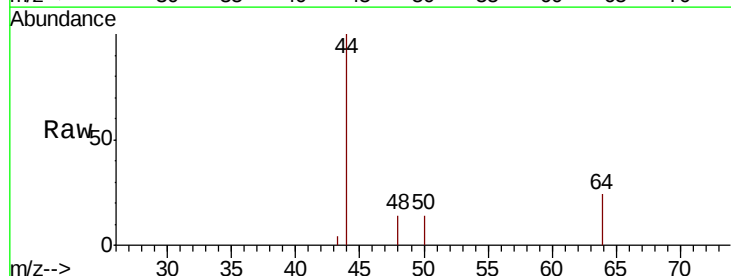
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

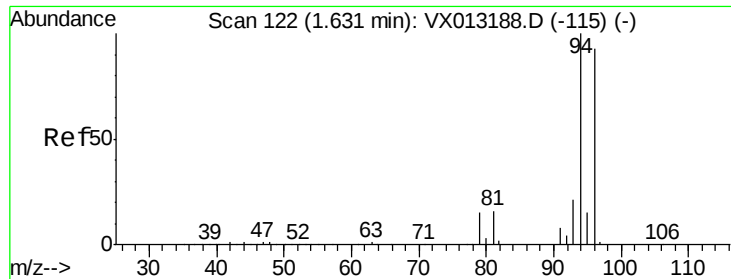
Tot Ion:168 Resp: 73232
Ion Ratio Lower Upper
168 100
99 58.2 47.0 70.4



#3
Chloromethane
Concen: 1.136 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

Tgt Ion: 50 Resp: 197
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 0.298 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

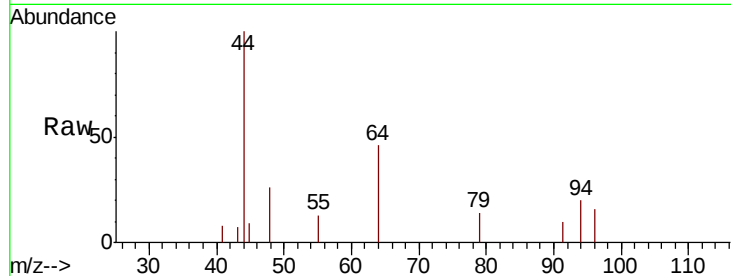
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 77.7 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

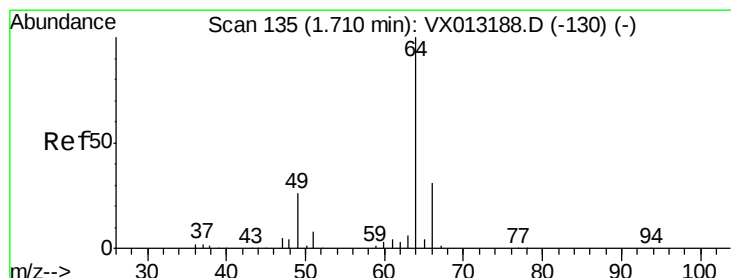
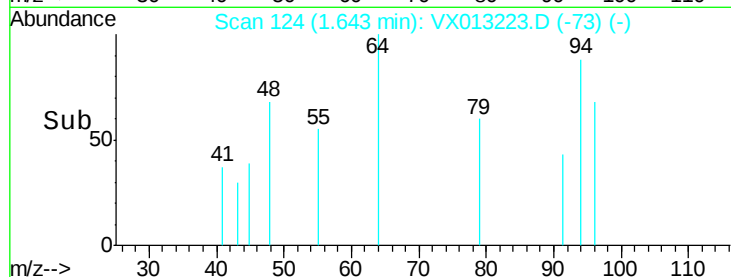
100

50

0

Time-->

1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013223.D

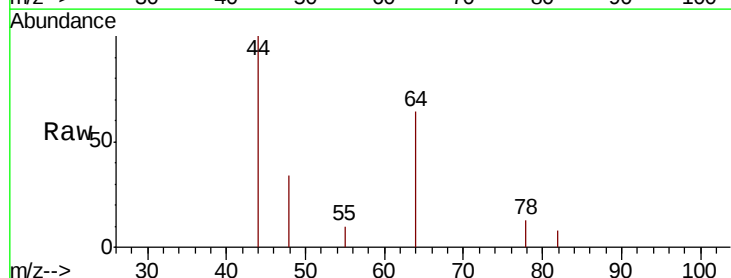
Acq: 25 Oct 2019 12:11

Tgt Ion: 64 Resp: 342

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

500

400

300

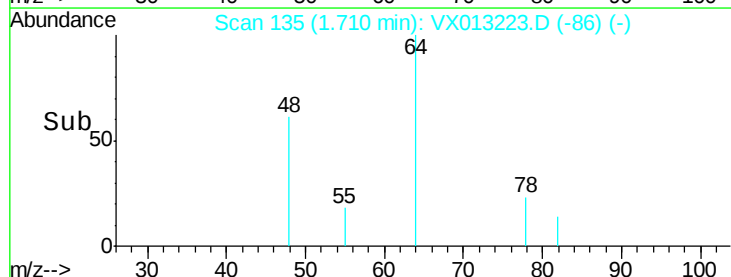
200

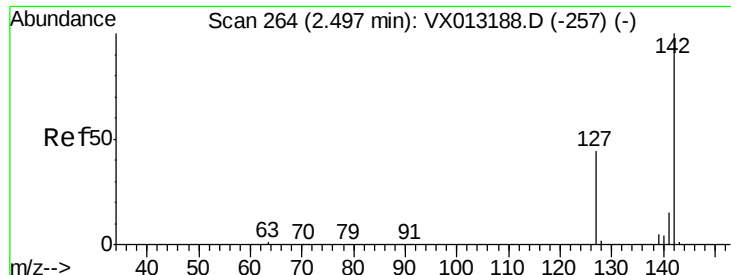
100

0

Time-->

1.66 1.68 1.70 1.72

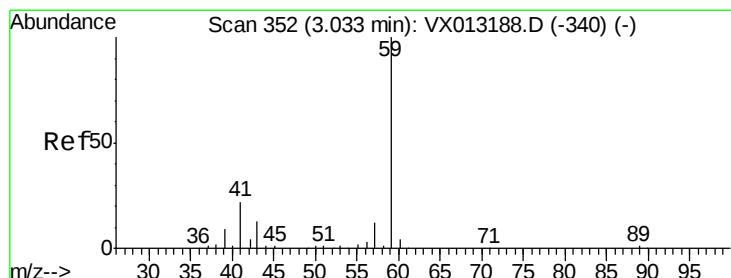
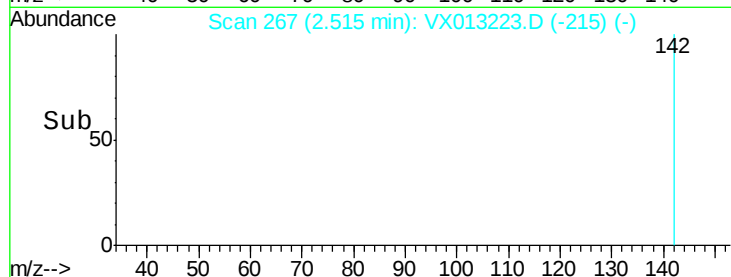
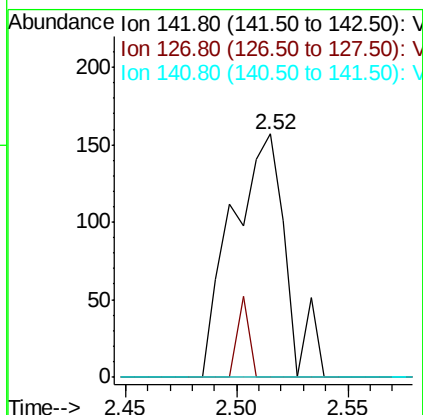
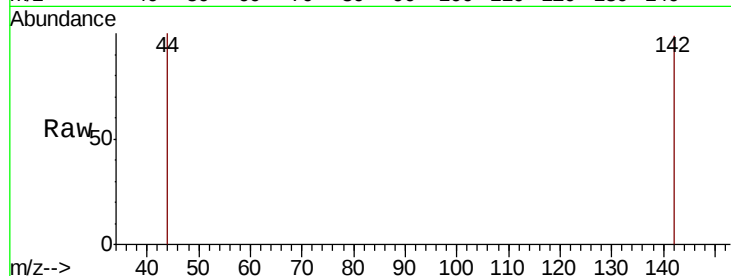




#10
Methyl Iodide
Concen: 3.690 ug/l
RT: 2.52 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

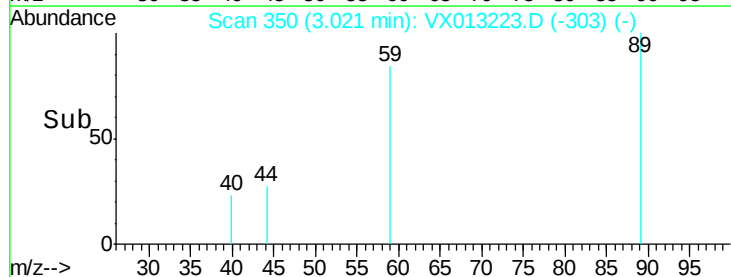
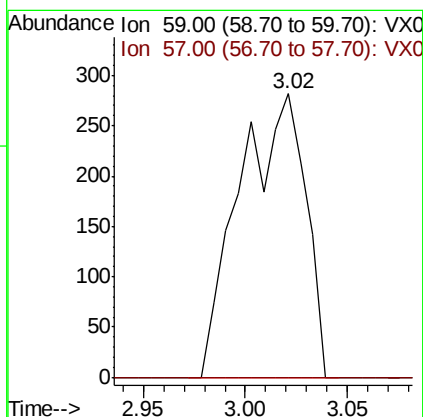
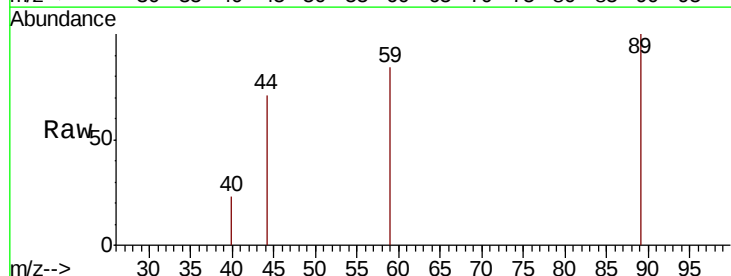
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

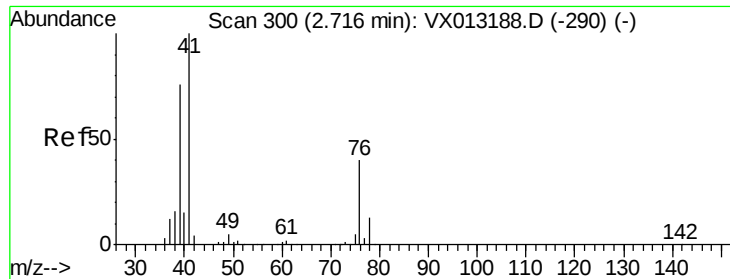
Tot Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
127 7.2 35.6 53.4#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.840 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

Tgt Ion: 59 Resp: 631
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#14

Allvl chloride

Concen: 1.923 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

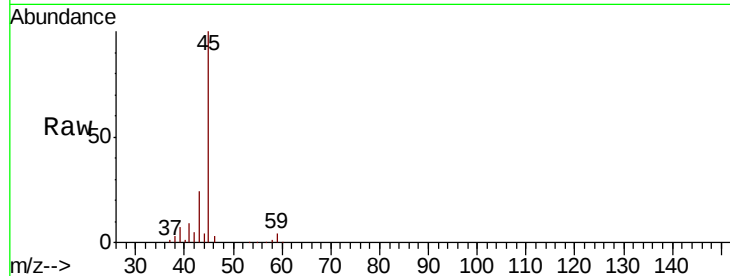
Tot Ion: 41 Resp: 3777

Ion Ratio Lower Upper

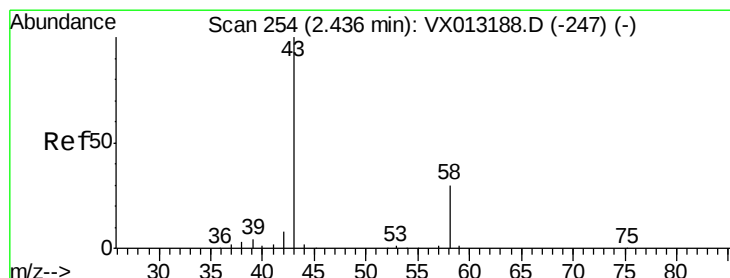
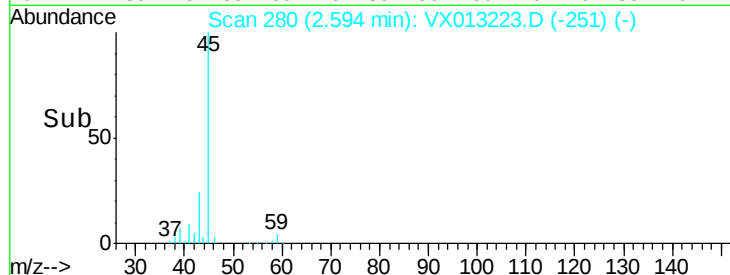
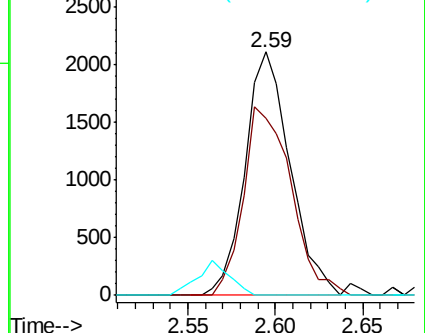
41 100

39 82.0 54.6 81.8#

76 0.0 29.8 44.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 1.107 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013223.D

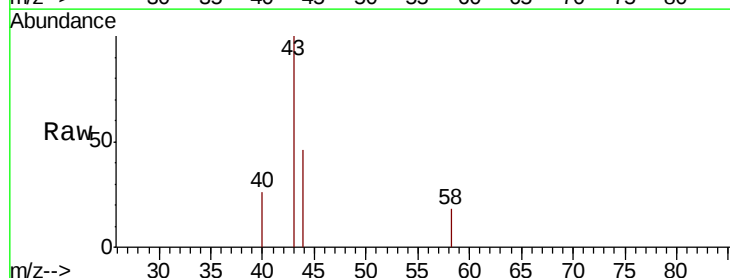
Acq: 25 Oct 2019 12:11

Tgt Ion: 43 Resp: 799

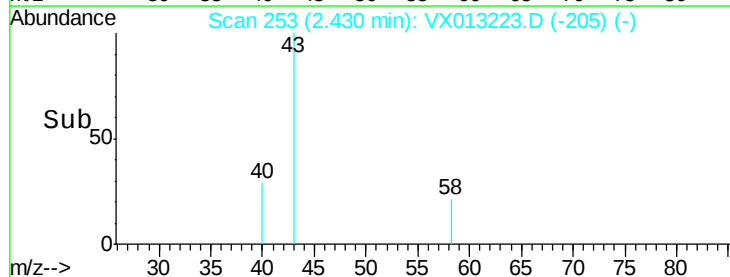
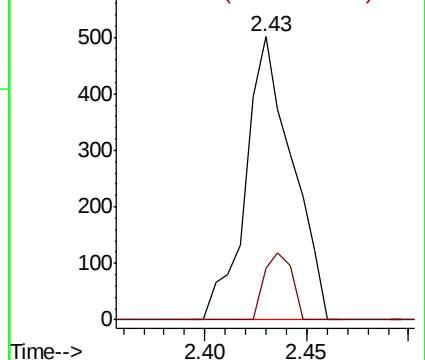
Ion Ratio Lower Upper

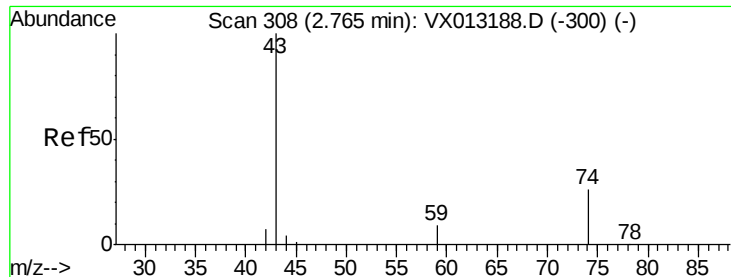
43 100

58 18.2 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

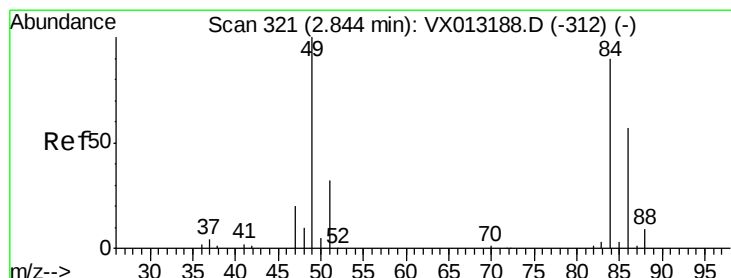
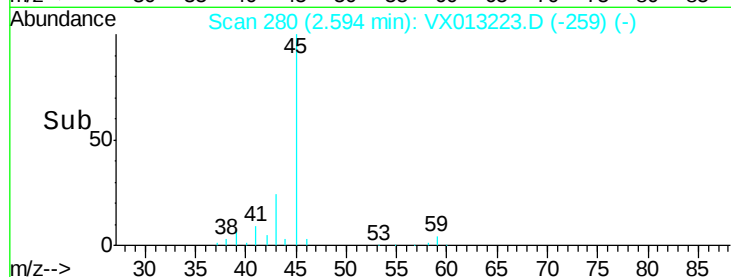
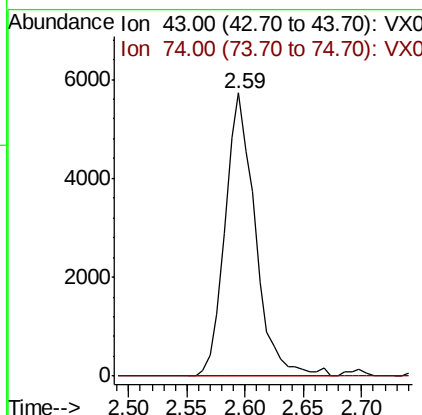
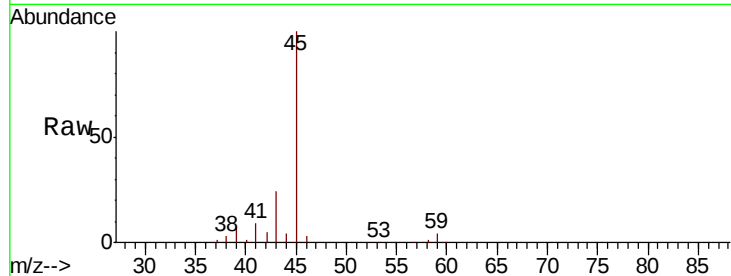




#18
Methvl Acetate
Concen: 7.362 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

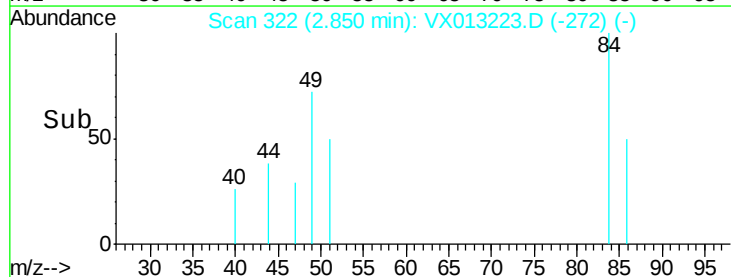
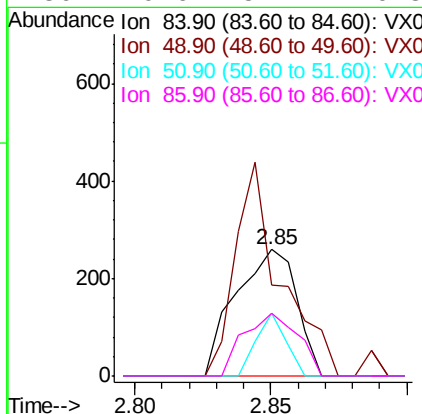
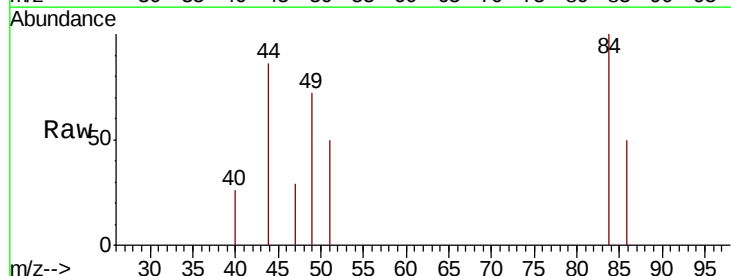
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

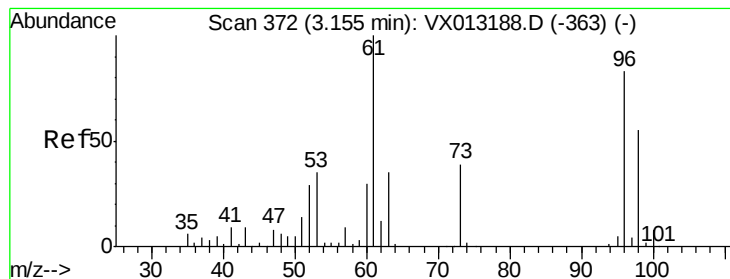
Tot Ion: 43 Resp: 10272
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.585 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

Tgt Ion: 84 Resp: 403
Ion Ratio Lower Upper
84 100
49 71.5 89.2 133.8#
51 49.6 28.8 43.2#
86 49.6 51.2 76.8#





#21

trans-1,2-Dichloroethene

Concen: 0.555 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

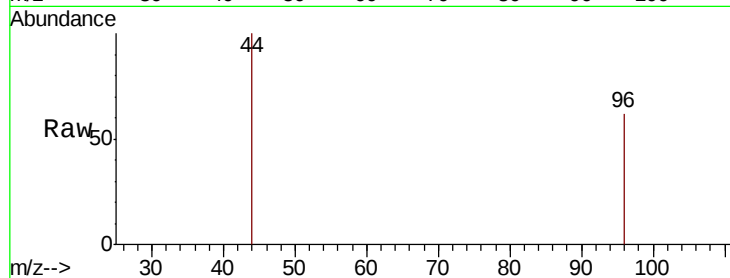
Tot Ion: 96 Resp: 104

Ion Ratio Lower Upper

96 100

61 0.0 96.9 145.3#

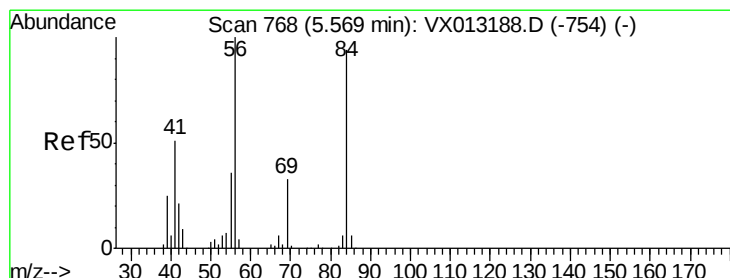
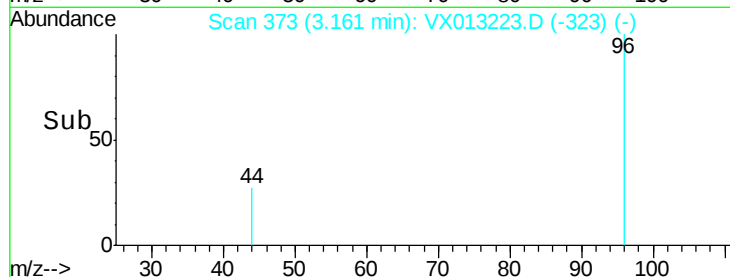
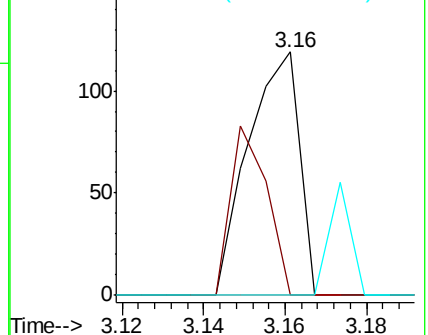
98 0.0 53.0 79.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 0.829 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

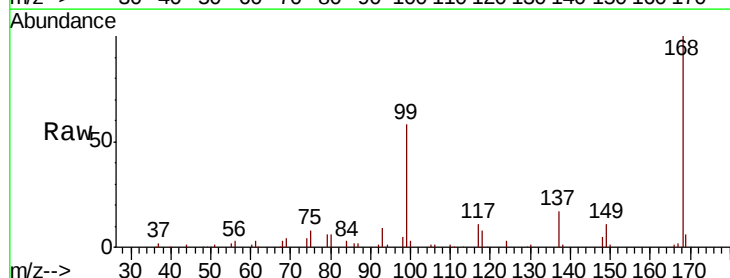
Tgt Ion: 56 Resp: 1643

Ion Ratio Lower Upper

56 100

69 145.8 26.3 39.5#

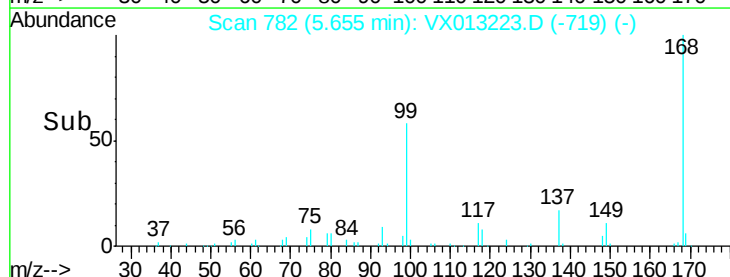
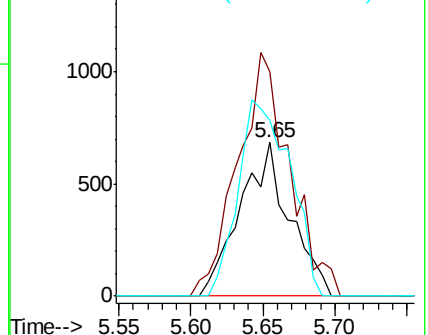
84 114.2 73.8 110.6#

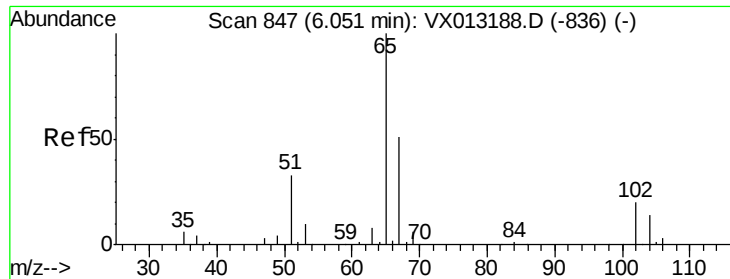


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.226 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

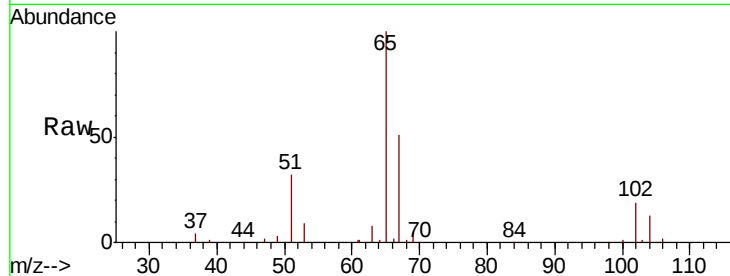
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 81526

Ion Ratio Lower Upper

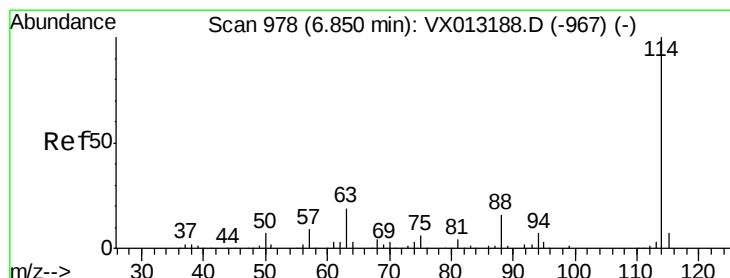
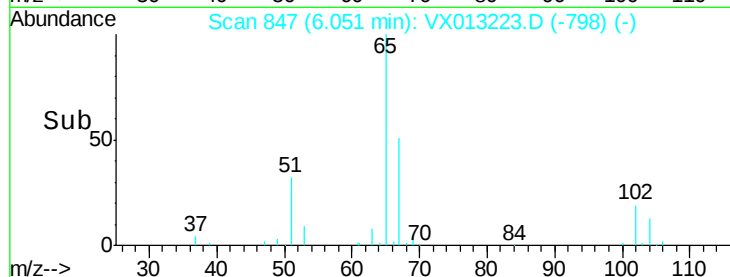
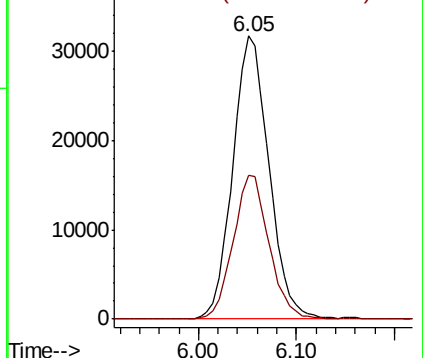
65 100

67 50.5 0.0 102.6



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

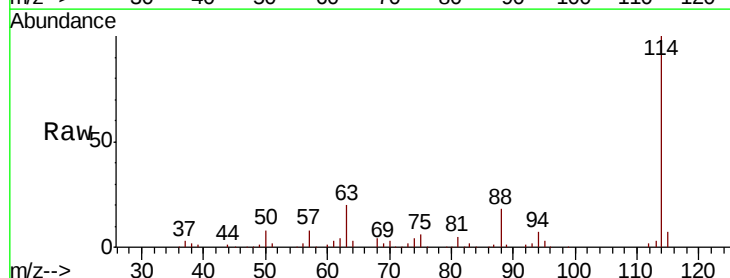
Tgt Ion: 114 Resp: 108341

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

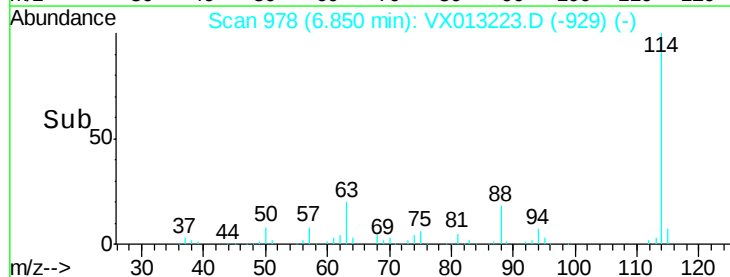
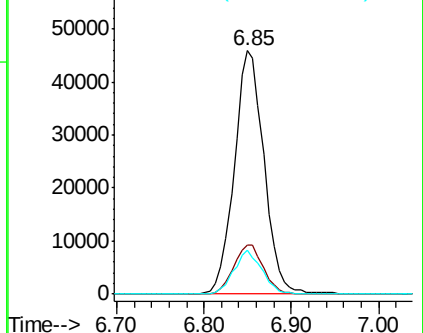
88 18.0 0.0 32.0

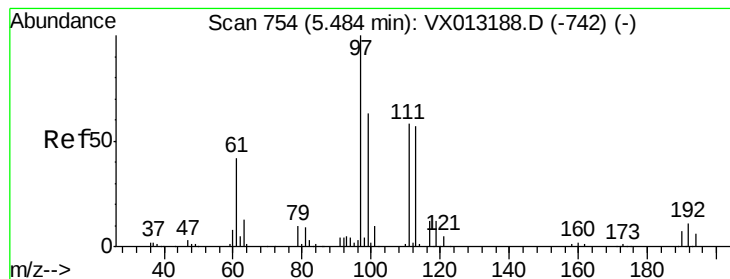


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.998 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

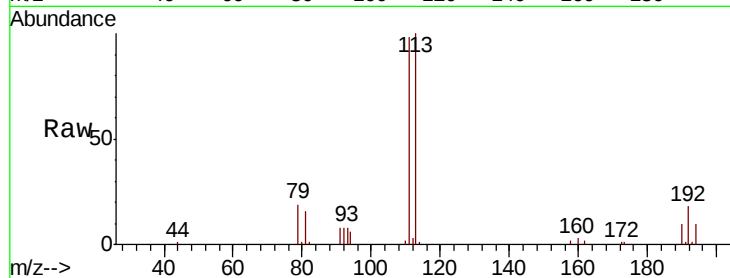
Tot Ion:113 Resp: 62822

Ion Ratio Lower Upper

113 100

111 100.9 80.3 120.5

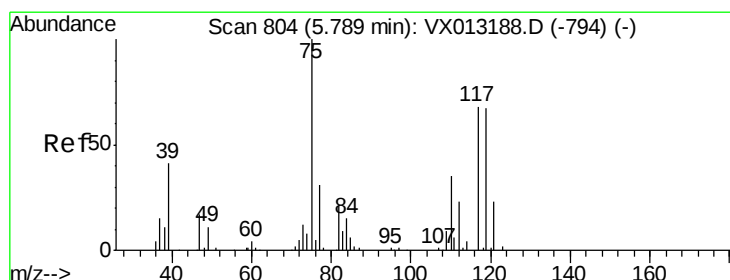
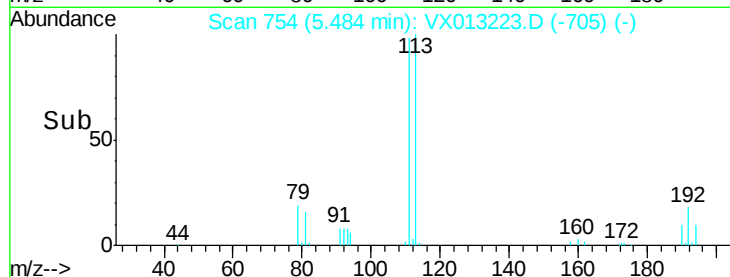
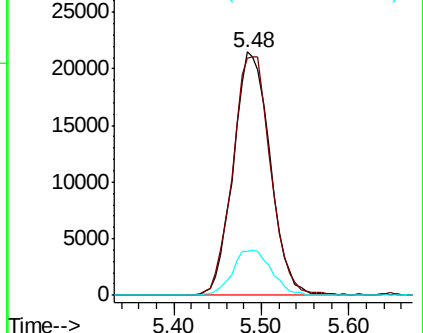
192 19.8 15.9 23.9



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: 3.146 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

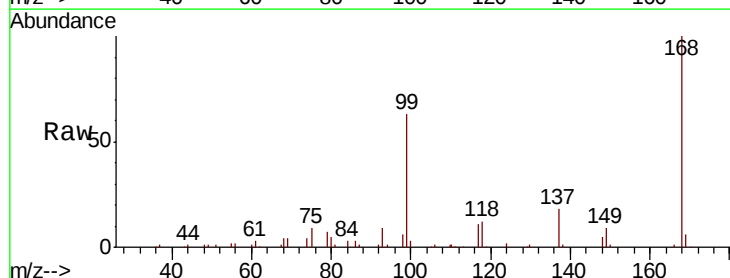
Tgt Ion: 75 Resp: 5837

Ion Ratio Lower Upper

75 100

110 10.0 17.6 52.9#

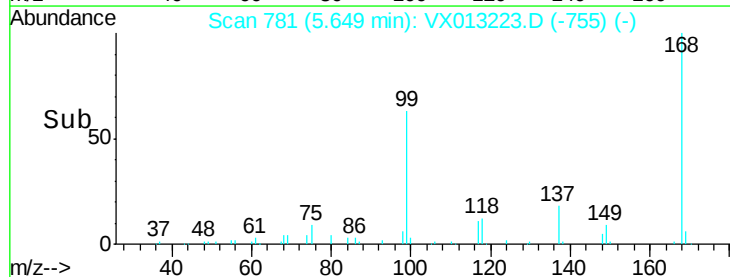
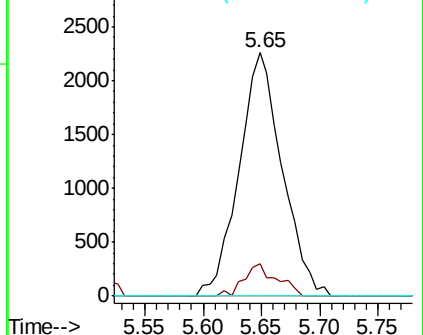
77 0.0 24.7 37.1#

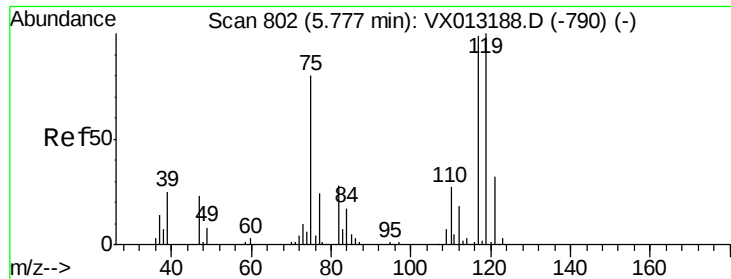


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.900 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

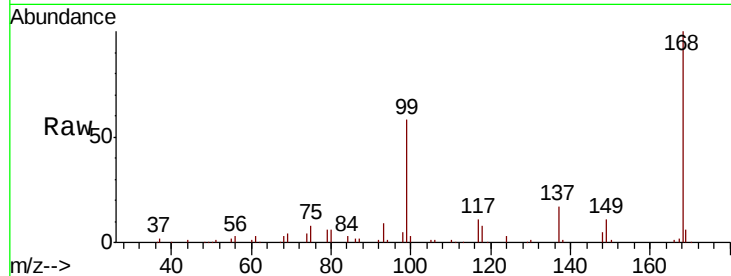
Tot Ion:117 Resp: 7810

Ion Ratio Lower Upper

117 100

119 1.9 80.1 120.1#

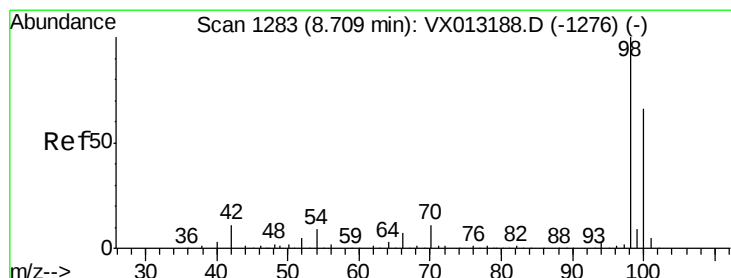
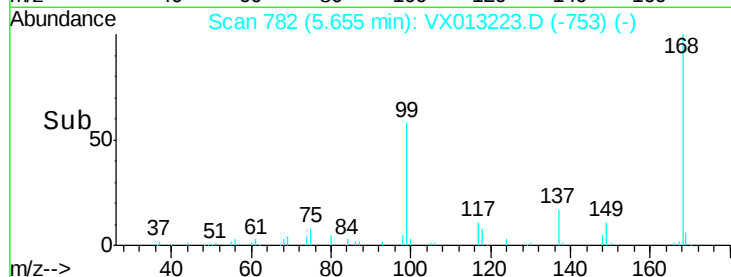
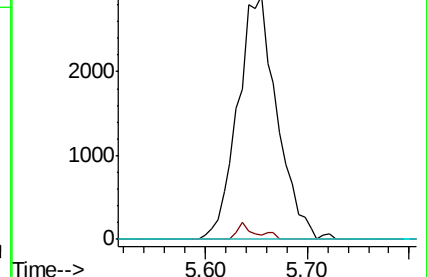
121 0.0 25.5 38.3#



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



#50

Toluene-d8

Concen: 50.797 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013223.D

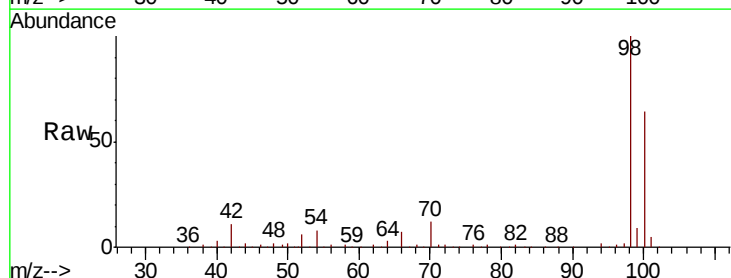
Acq: 25 Oct 2019 12:11

Tgt Ion: 98 Resp: 227433

Ion Ratio Lower Upper

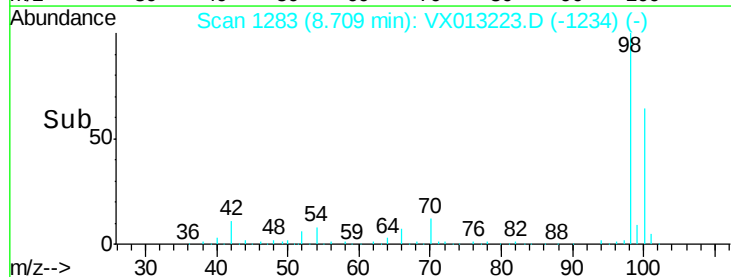
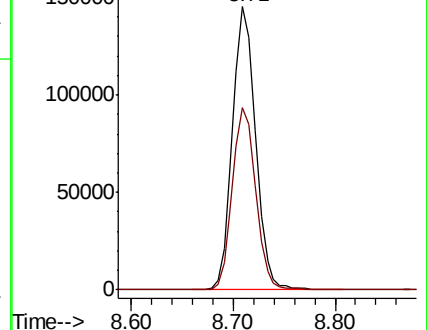
98 100

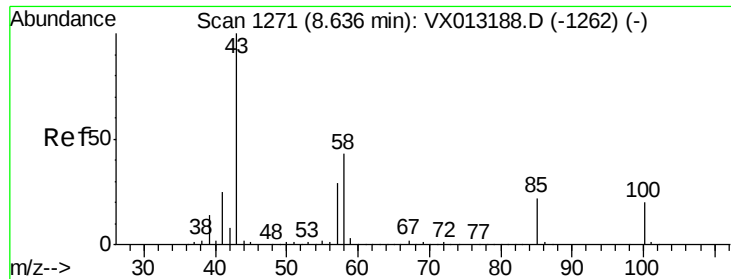
100 65.3 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.455 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

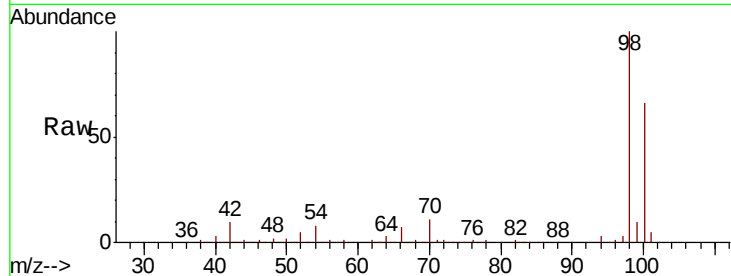
STORAGE-BLANK-WATER-REF-5

Tot Ion: 43 Resp: 832

Ion Ratio Lower Upper

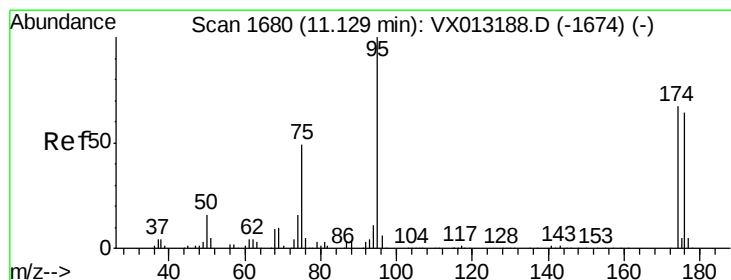
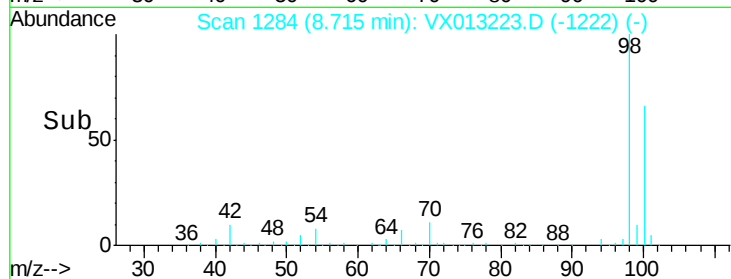
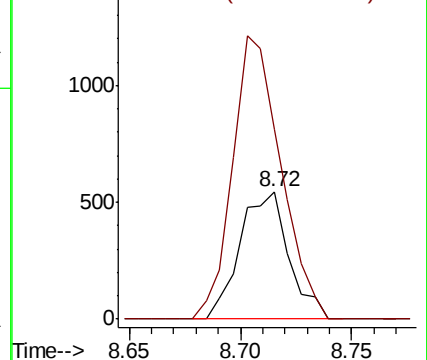
43 100

58 220.1 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.871 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

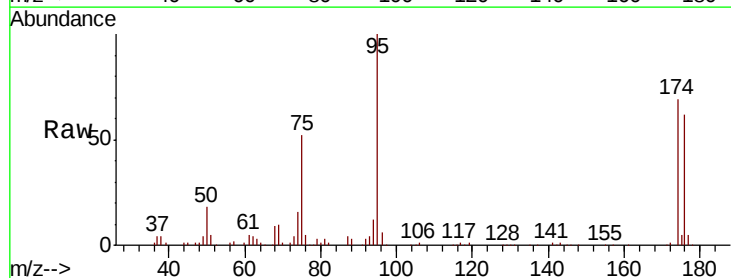
Tgt Ion: 95 Resp: 83062

Ion Ratio Lower Upper

95 100

174 74.8 0.0 152.4

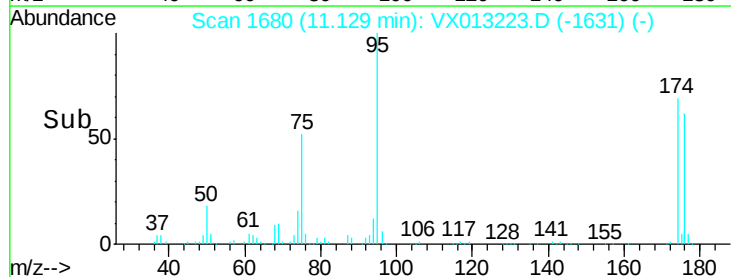
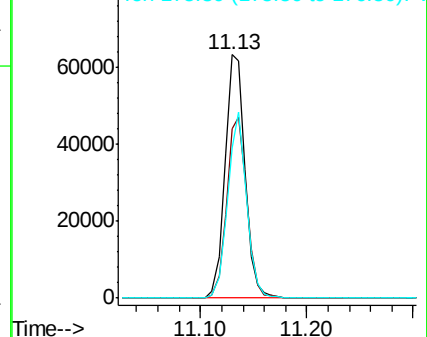
176 71.8 0.0 146.0

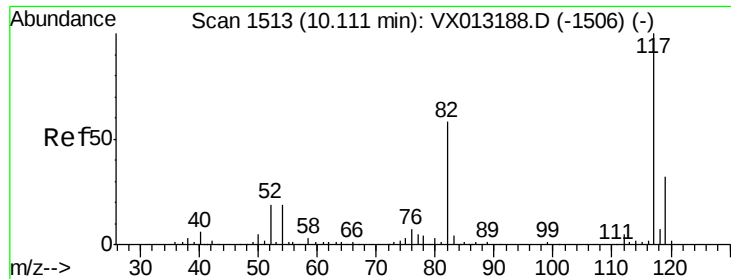


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

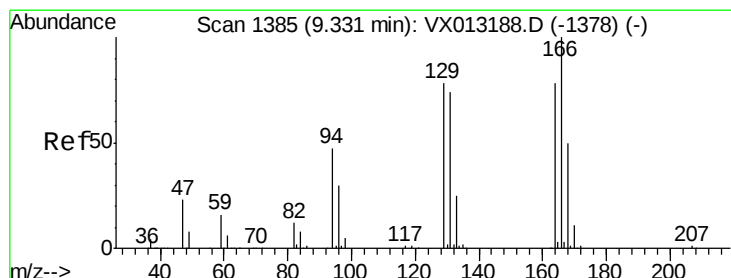
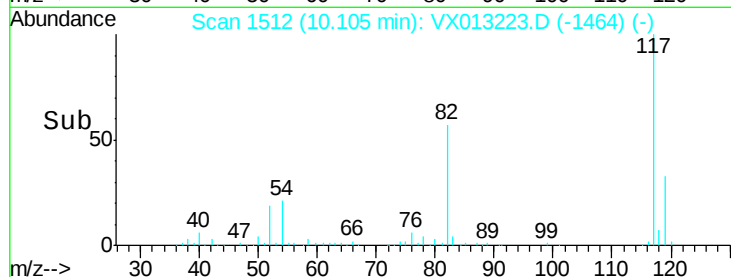
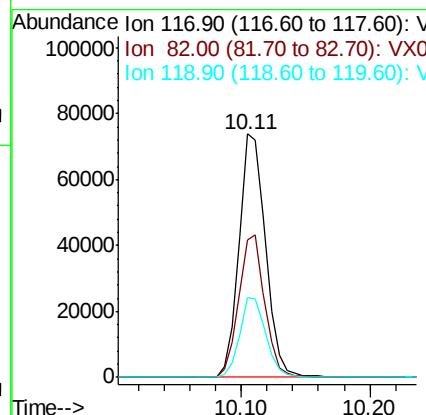
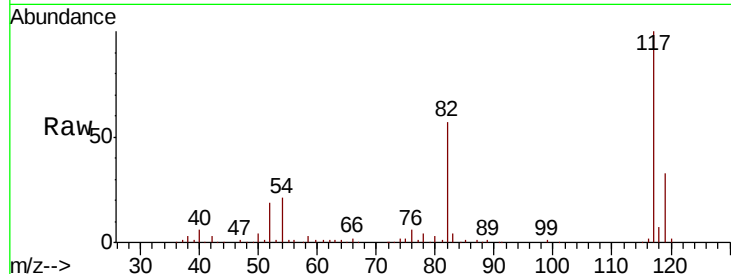




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

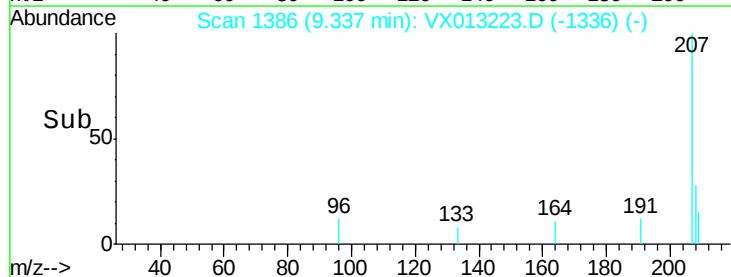
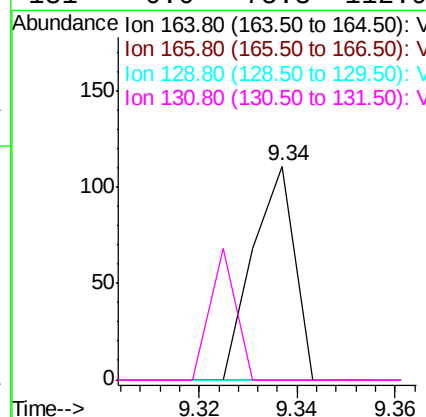
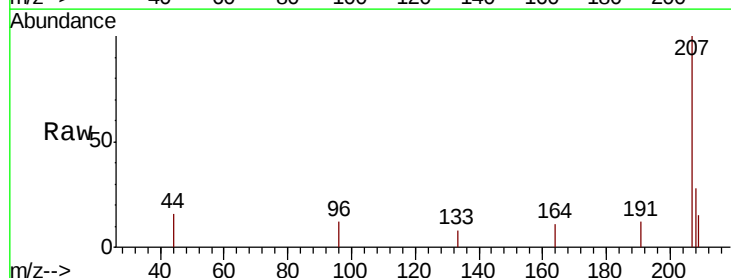
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

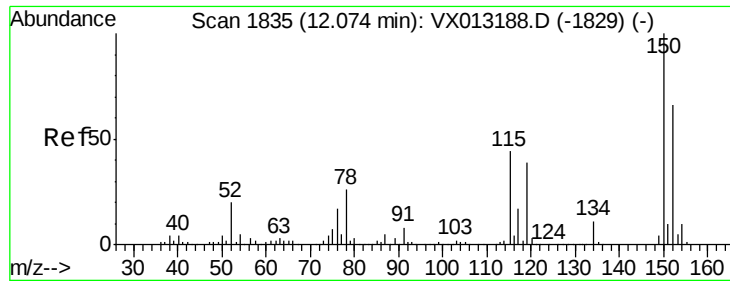
Tot Ion:117 Resp: 106015
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.9 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013223.D
Acq: 25 Oct 2019 12:11

Tgt Ion:164 Resp: 65
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.4#
129 0.0 79.8 119.8#
131 0.0 75.3 112.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

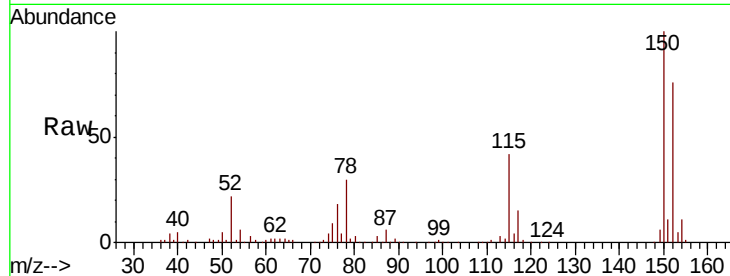
Tot Ion:152 Resp: 63081

Ion Ratio Lower Upper

152 100

115 62.5 46.6 139.8

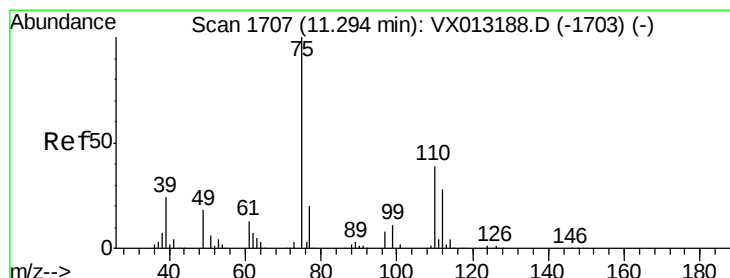
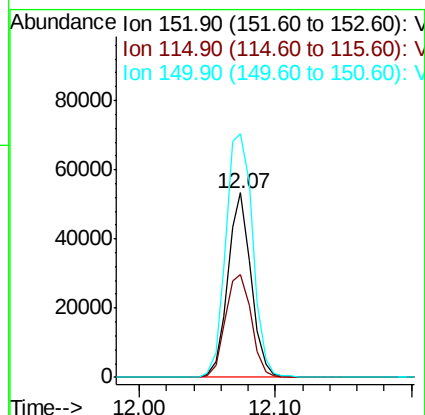
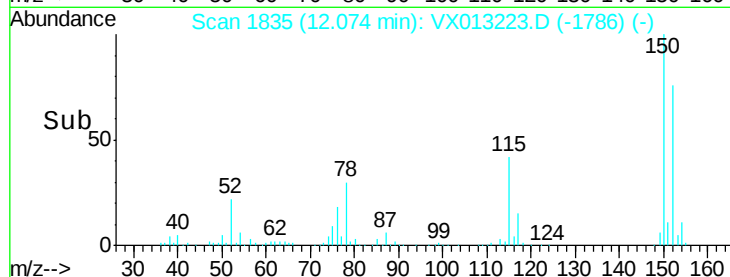
150 153.7 0.0 354.0



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: 27.350 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013223.D

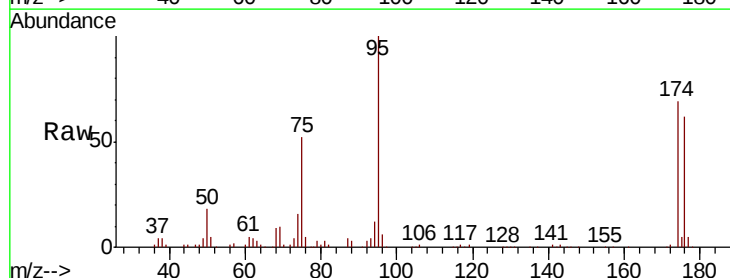
Acq: 25 Oct 2019 12:11

Tgt Ion: 75 Resp: 41582

Ion Ratio Lower Upper

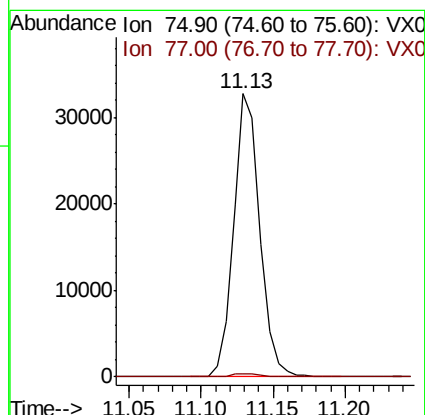
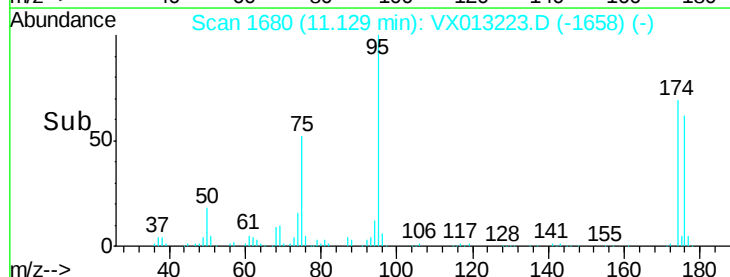
75 100

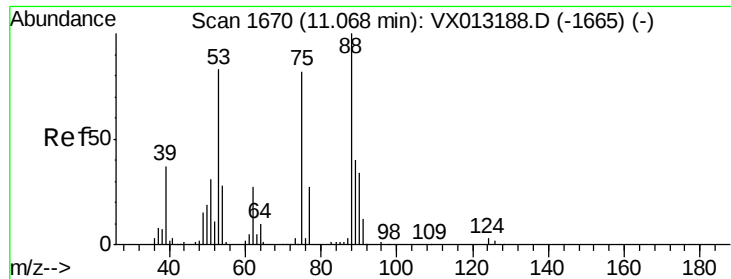
77 1.2 19.1 57.5#



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: 75.156 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013223.D

Acq: 25 Oct 2019 12:11

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

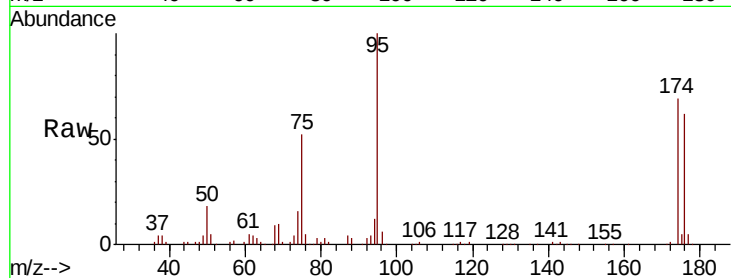
Tot Ion: 75 Resp: 41582

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.0 37.3 55.9#



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

