

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031720\
 Data File : VX015314.D
 Acq On : 17 Mar 2020 11:07
 Operator : JC/SP
 Sample : L1919-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 18 01:18:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	299367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	485357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	232573	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	174722	49.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.40%	
35) Dibromofluoromethane	5.49	113	149209	48.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.46%	
50) Toluene-d8	8.71	98	587242	50.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	11.13	95	215541	51.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.76%	

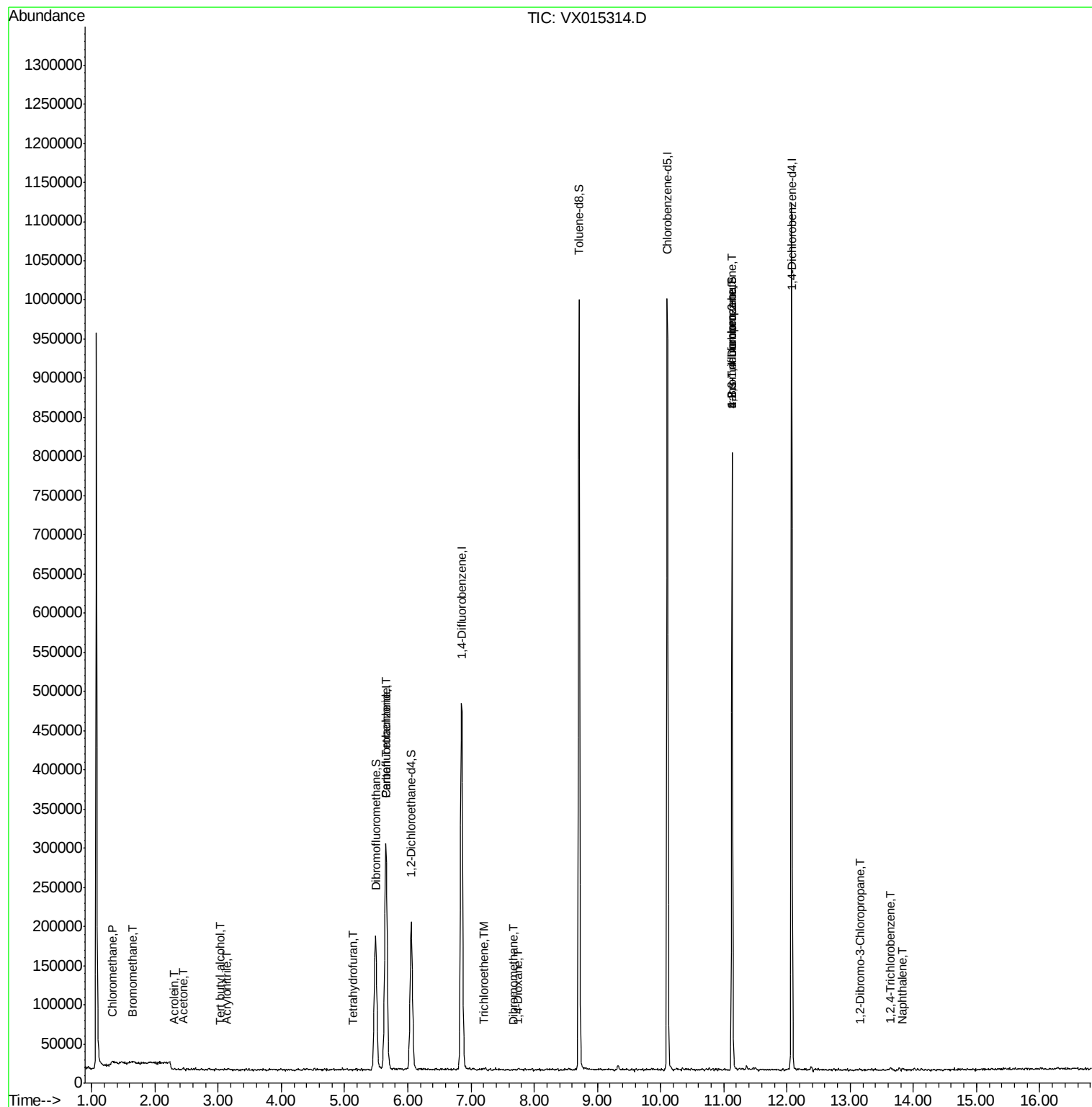
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1660	0.447	ug/l	90
5) Bromomethane	1.66	94	677	0.292	ug/l	93
11) Tert butyl alcohol	3.04	59	226	0.367	ug/l #	1
13) Acrolein	2.30	56	128	0.221	ug/l #	1
15) Acrylonitrile	3.14	53	662	0.431	ug/l #	33
16) Acetone	2.44	43	4280	2.976	ug/l #	87
29) Tetrahydrofuran	5.13	42	424	0.312	ug/l #	32
38) Carbon Tetrachloride	5.65	117	27455	6.482	ug/l #	17
44) Trichloroethene	7.21	130	901	0.243	ug/l	64
46) Dibromomethane	7.68	93	709	0.316	ug/l #	18
49) 1,4-Dioxane	7.75	88	166	2.060	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	100770	21.722	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	100770	61.647	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.15	75	231	0.233	ug/l	51
93) 1,2,4-Trichlorobenzene	13.63	180	1042	0.207	ug/l #	79
95) Naphthalene	13.83	128	1396	1.508	ug/l	97

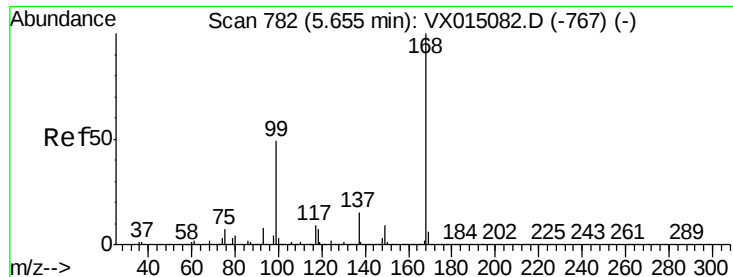
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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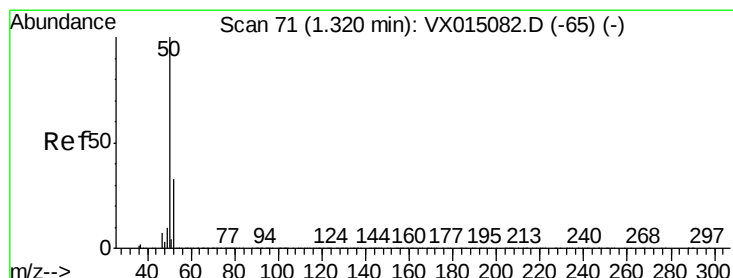
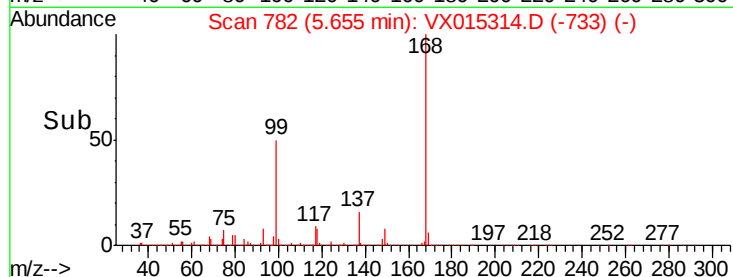
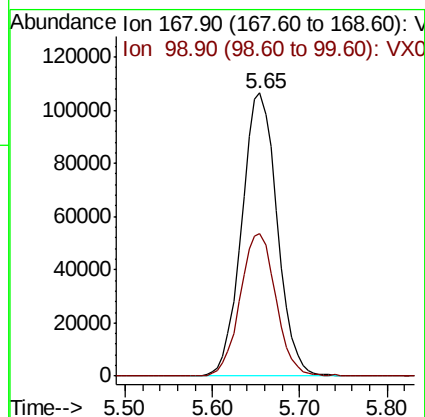
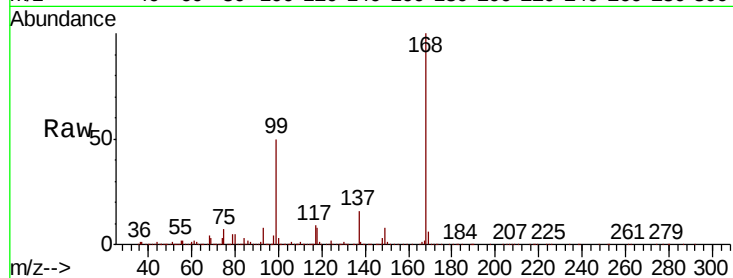


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX015314.D
 Acq: 17 Mar 2020 11:07

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

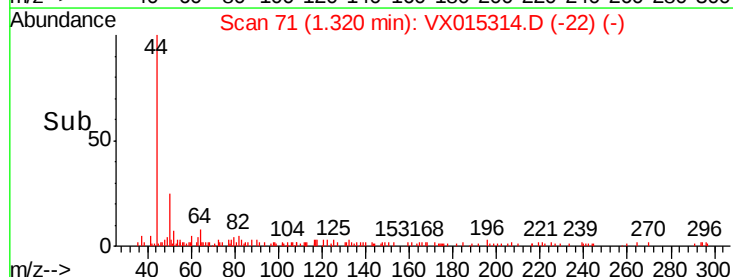
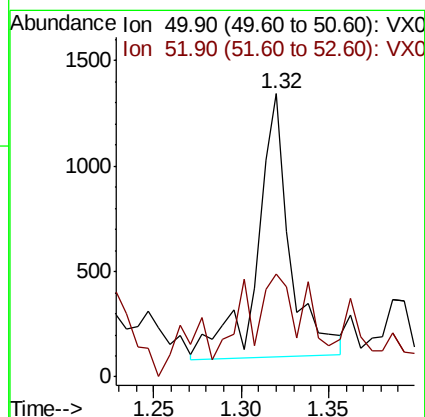
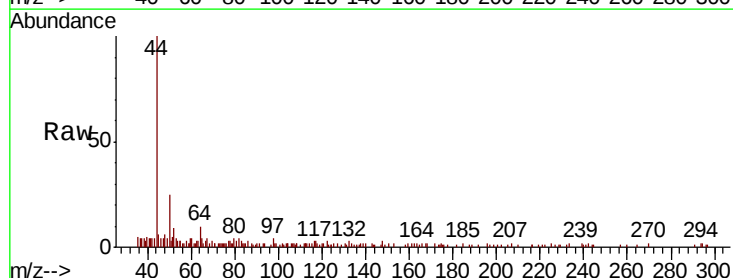
Tot Ion:168 Resp: 299367
 Ion Ratio Lower Upper
 168 100
 99 50.3 39.4 59.2

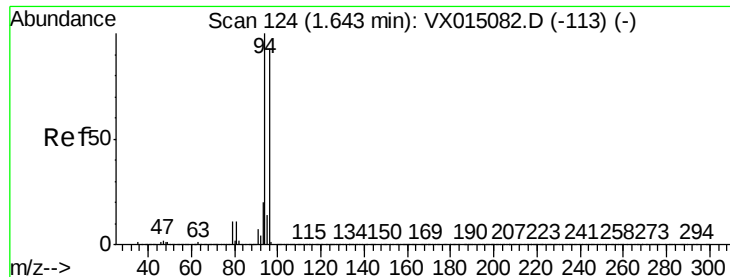


#3

Chloromethane
 Concen: 0.447 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX015314.D
 Acq: 17 Mar 2020 11:07

Tgt Ion: 50 Resp: 1660
 Ion Ratio Lower Upper
 50 100
 52 27.3 26.2 39.2





#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampled :

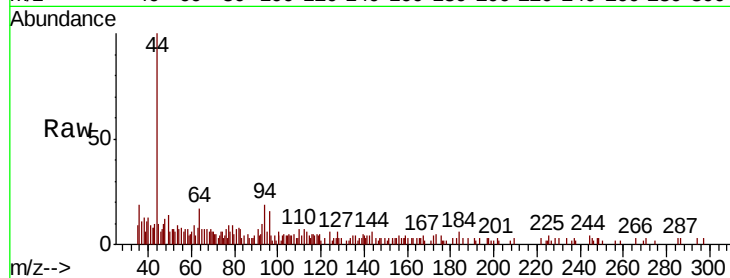
STORAGE-BLANK-WATER-REF-5

Tot Ion: 94 Resp: 677

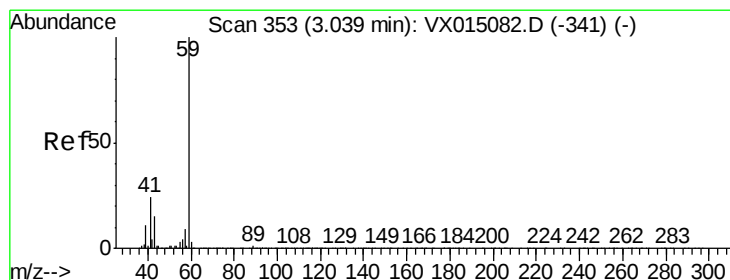
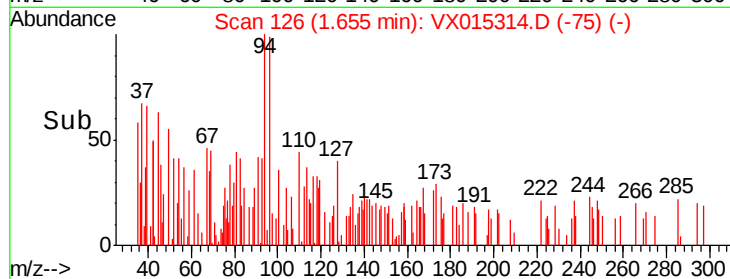
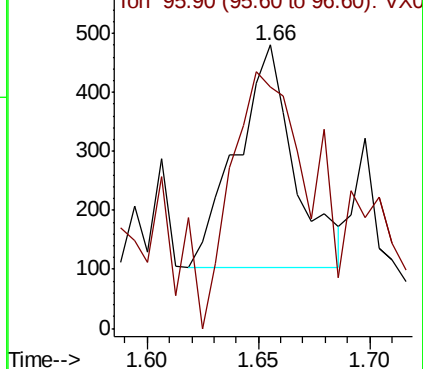
Ion Ratio Lower Upper

94 100

96 86.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VX0



#11

Tert butyl alcohol

Concen: 0.367 ug/l

RT: 3.04 min Scan# 353

Delta R.T. -0.00 min

Lab File: VX015314.D

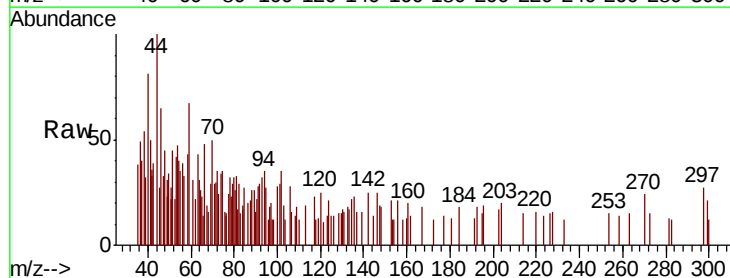
Acq: 17 Mar 2020 11:07

Tgt Ion: 59 Resp: 226

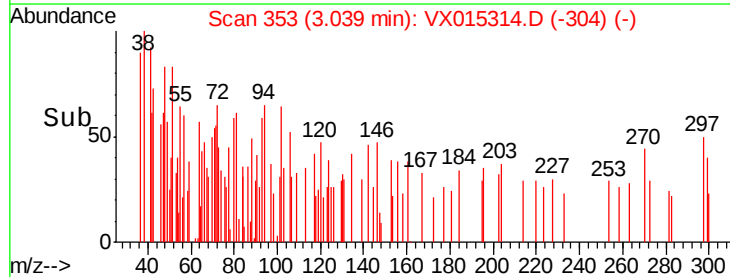
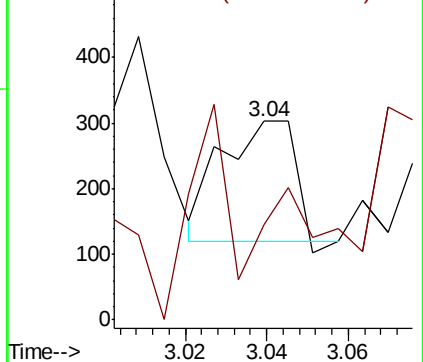
Ion Ratio Lower Upper

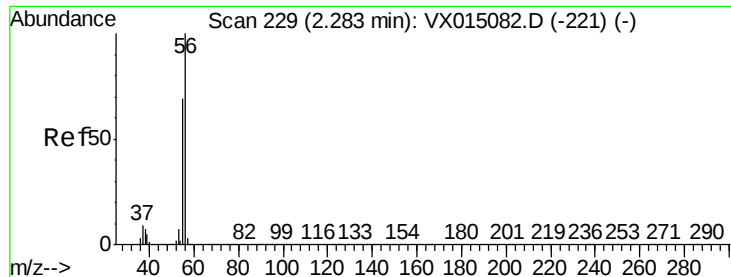
59 100

57 48.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0





#13

Acrolein

Concen: 0.221 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

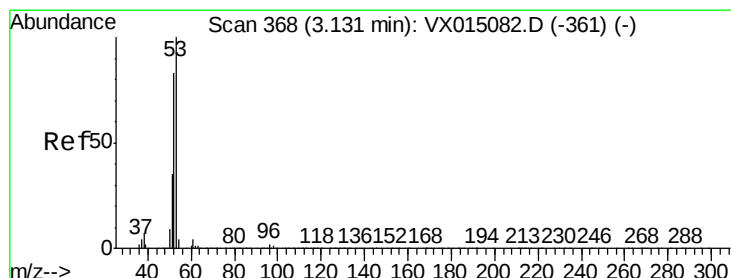
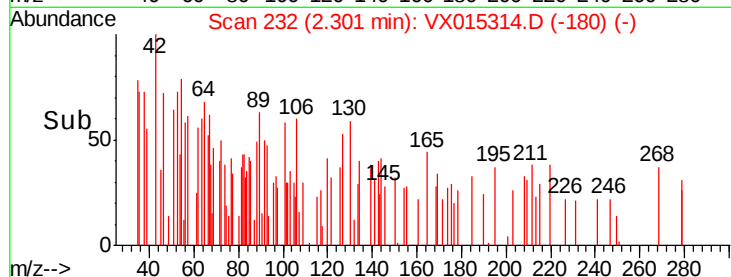
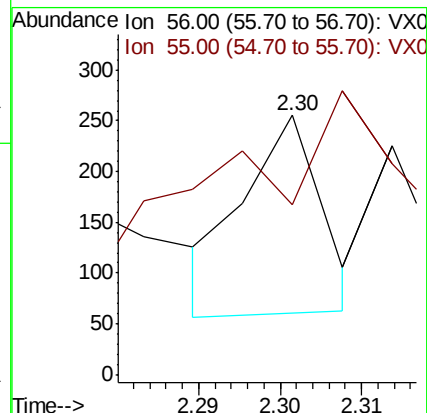
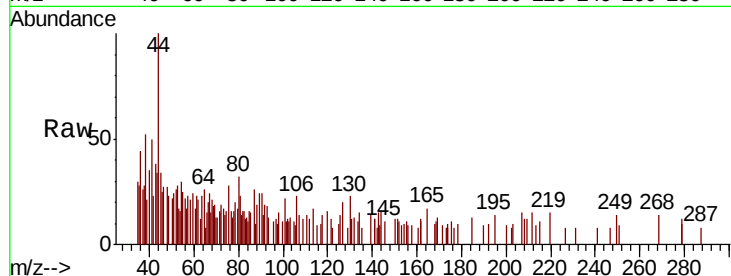
STORAGE-BLANK-WATER-REF-5

Tot Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 260.2 55.4 83.0#



#15

Acrylonitrile

Concen: 0.431 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

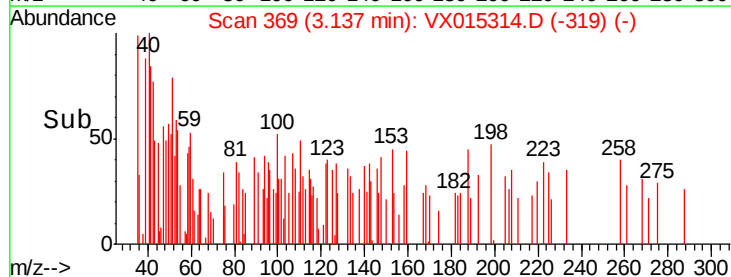
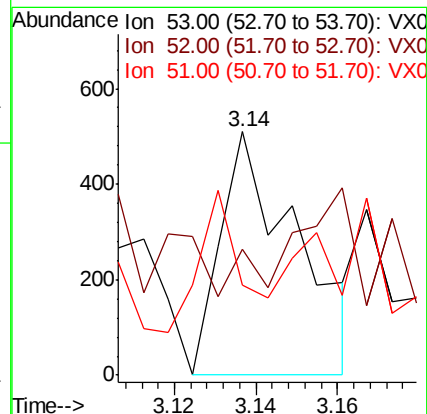
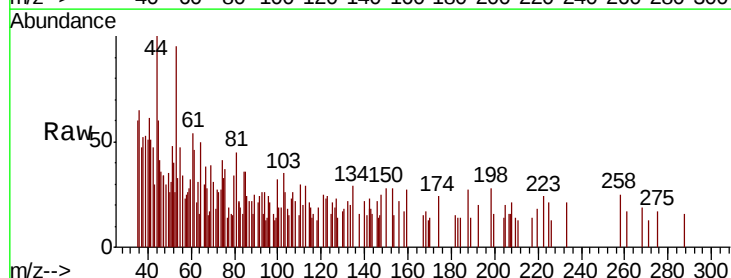
Tgt Ion: 53 Resp: 662

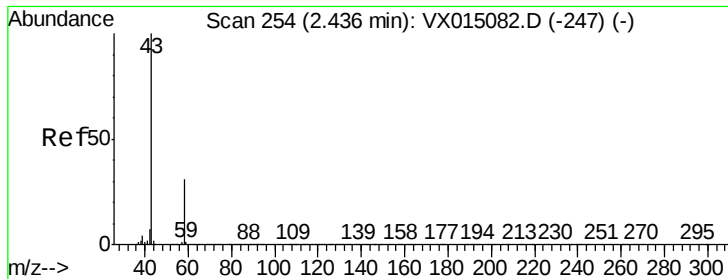
Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 31.6 29.0 43.6

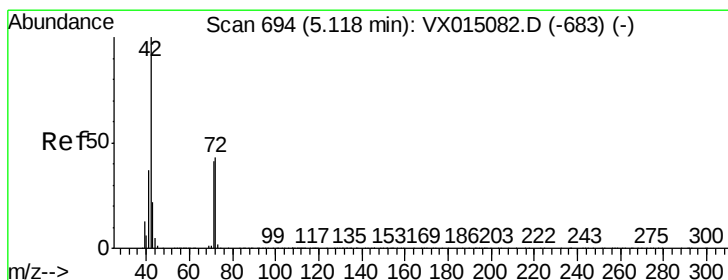
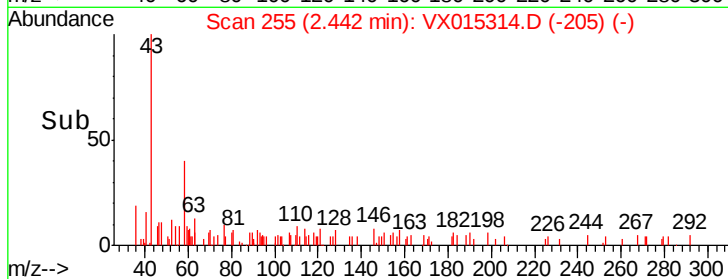
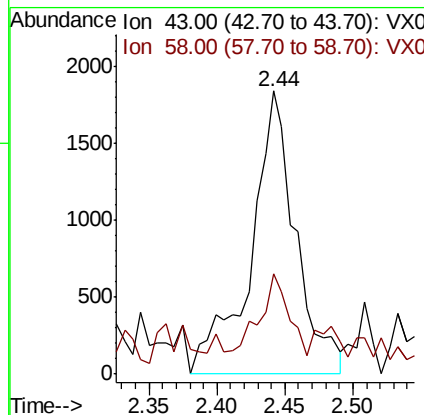
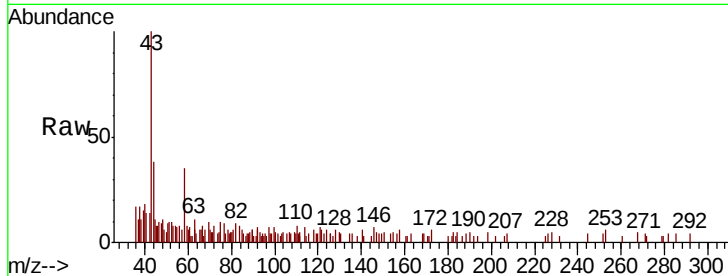




#16
Acetone
Concen: 2.976 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015314.D
Acq: 17 Mar 2020 11:07

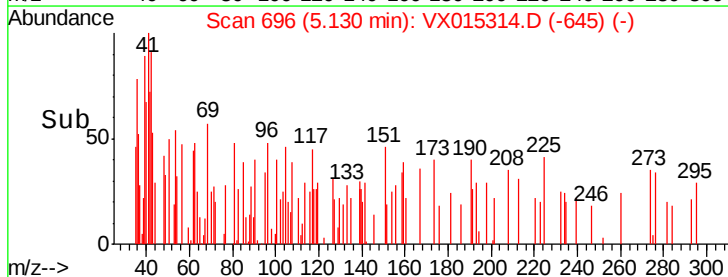
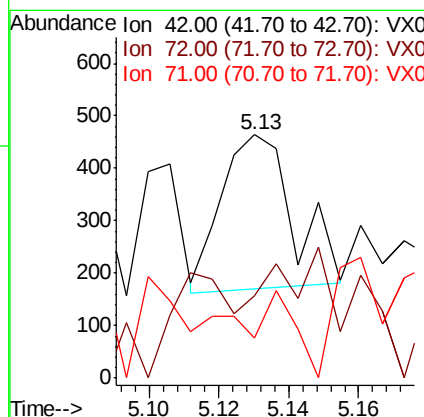
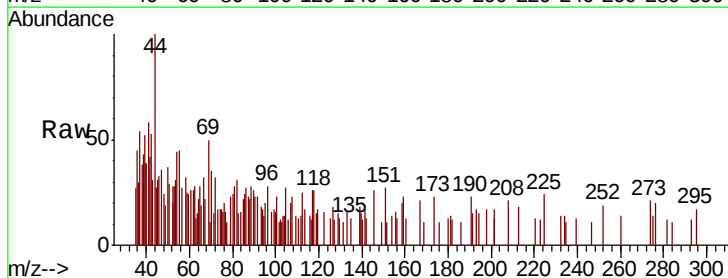
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

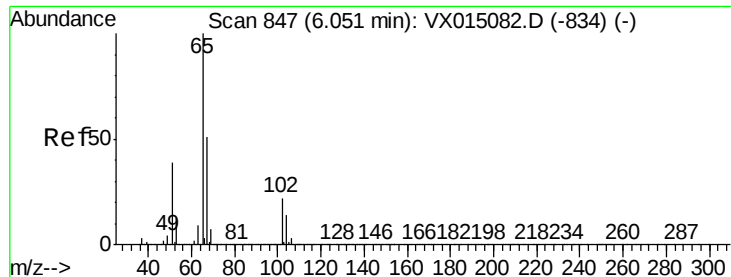
Tot Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
58 23.9 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.312 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX015314.D
Acq: 17 Mar 2020 11:07

Tgt Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 0.0 36.4 54.6#
71 0.0 33.3 49.9#





#33

1,2-Dichloroethane-d4

Concen: 49.195 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

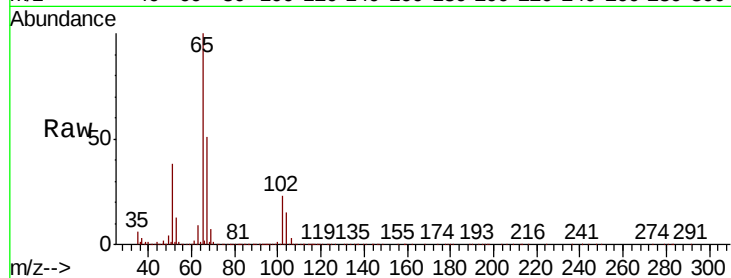
STORAGE-BLANK-WATER-REF-5

Tot Ion: 65 Resp: 174722

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

60000

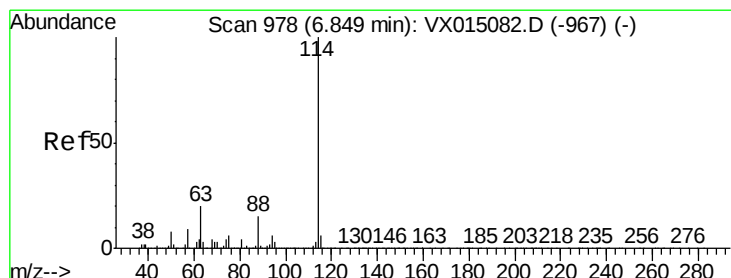
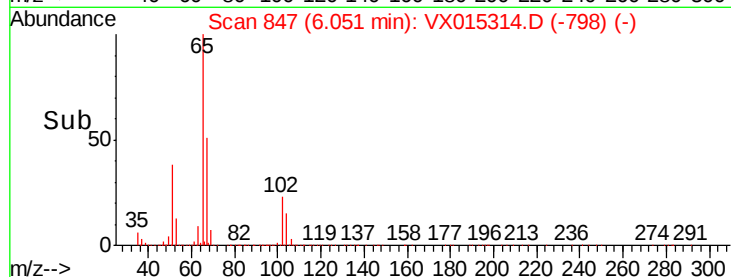
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

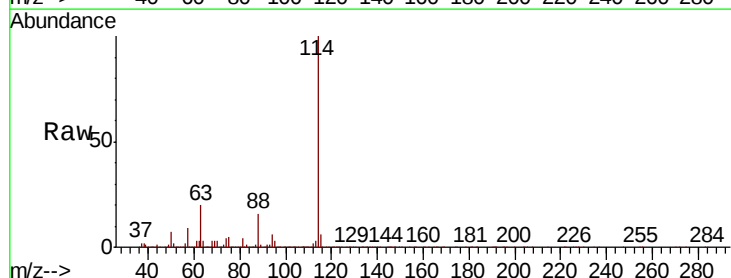
Tgt Ion: 114 Resp: 485357

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 16.0 0.0 30.6



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

6.86

250000

200000

150000

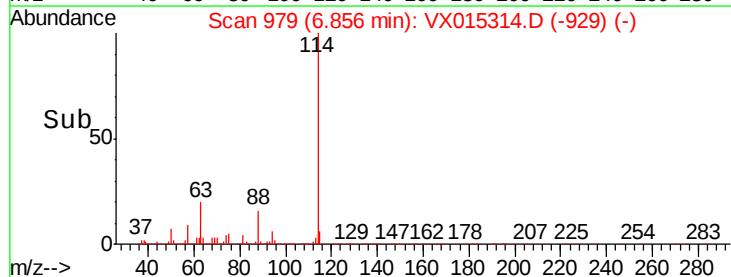
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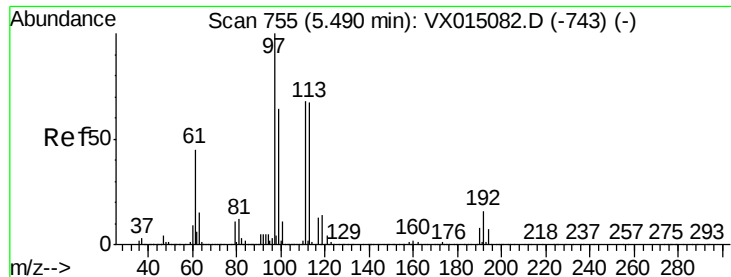
50000

0

Time-->

6.70 6.80 6.90 7.00

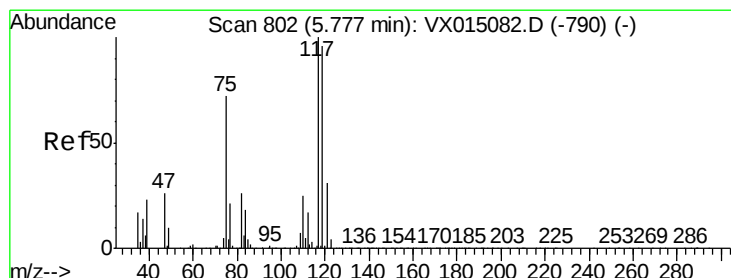
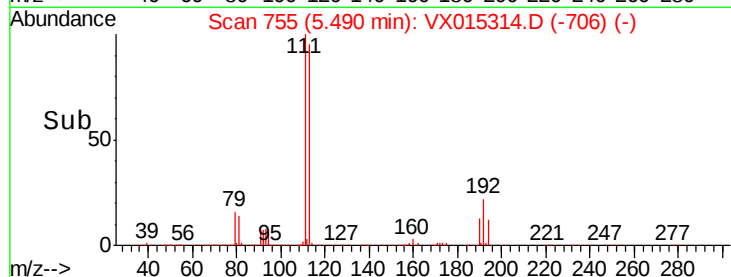
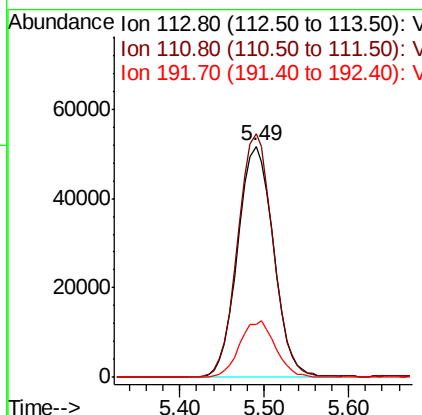
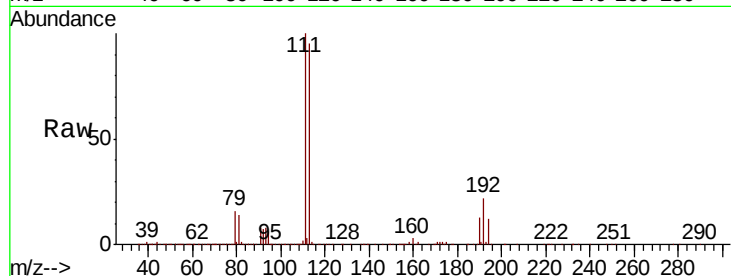




#35
 Dibromofluoromethane
 Concen: 48.730 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX015314.D
 Acq: 17 Mar 2020 11:07

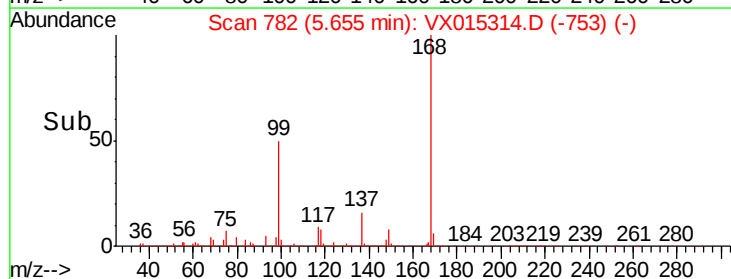
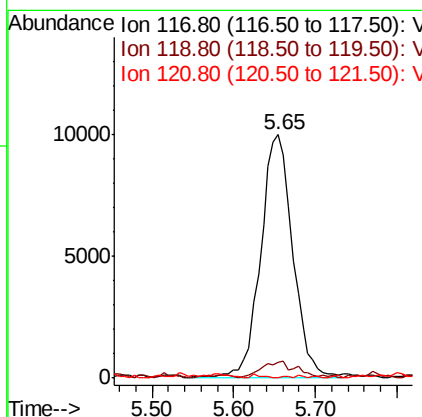
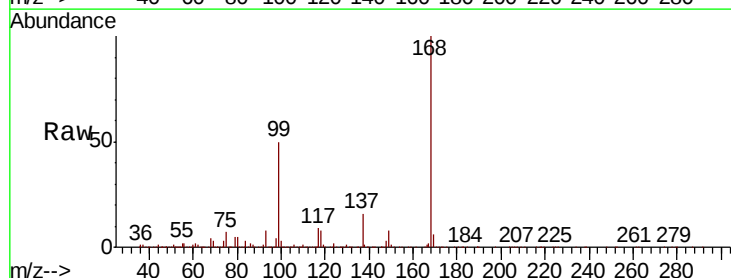
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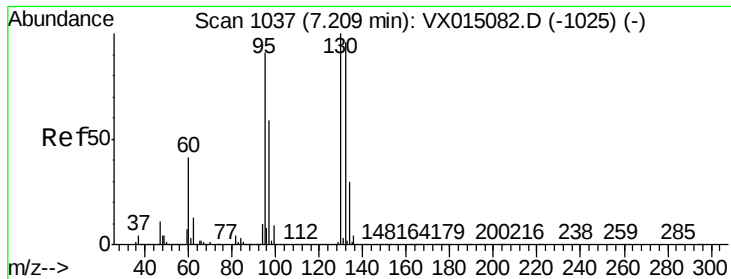
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	24.4	18.6	28.0



#38
 Carbon Tetrachloride
 Concen: 6.482 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015314.D
 Acq: 17 Mar 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.9	115.3#
121	0.0	24.6	37.0#





#44

Trichloroethene

Concen: 0.243 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

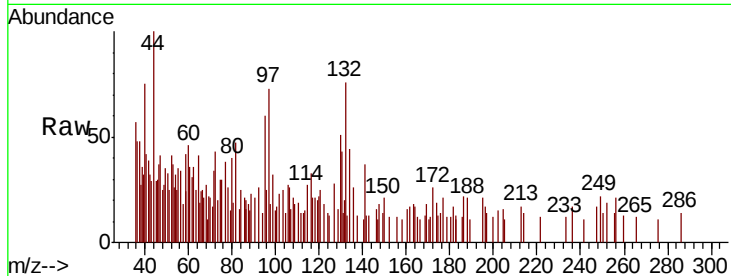
STORAGE-BLANK-WATER-REF-5

Tot Ion:130 Resp: 901

Ion Ratio Lower Upper

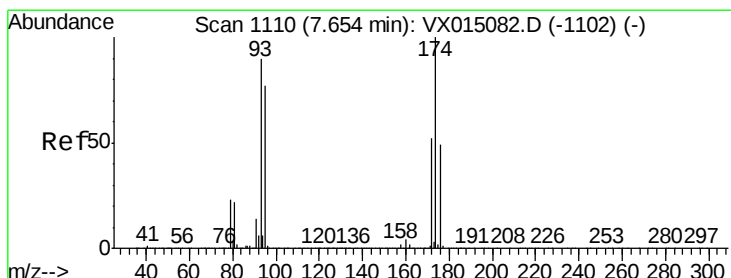
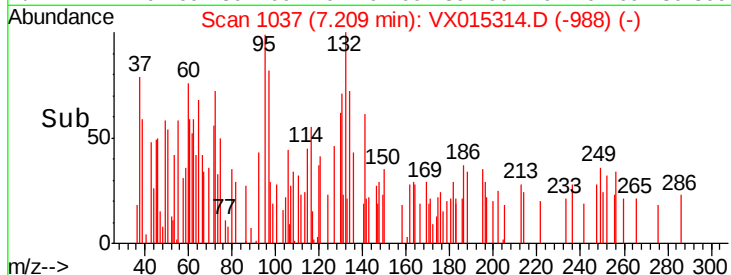
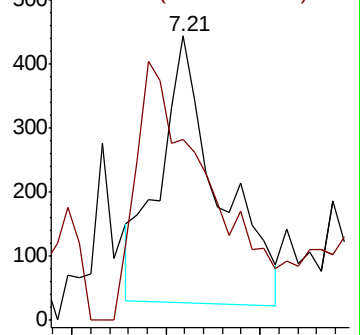
130 100

95 56.4 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#46

Dibromomethane

Concen: 0.316 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

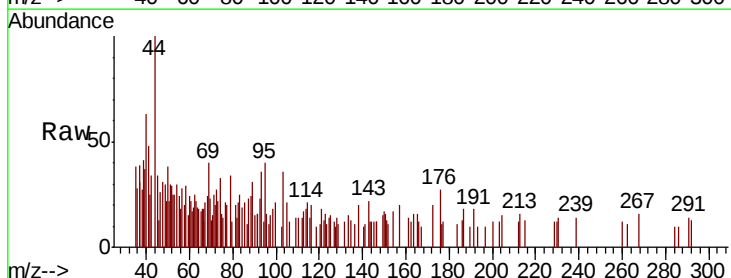
Tgt Ion: 93 Resp: 709

Ion Ratio Lower Upper

93 100

95 14.0 67.8 101.8#

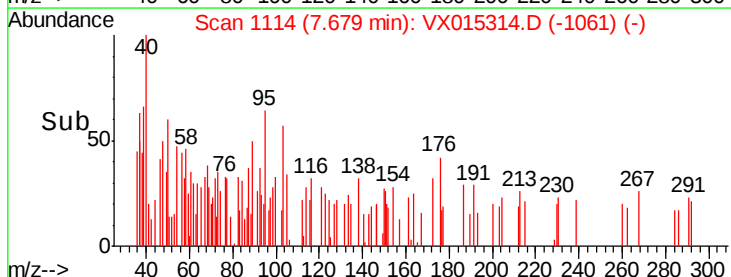
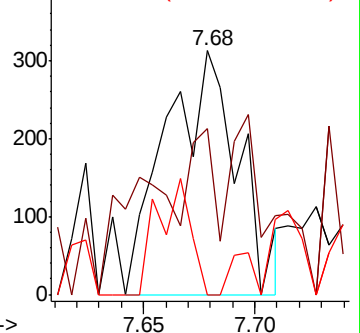
174 21.6 91.0 136.4#

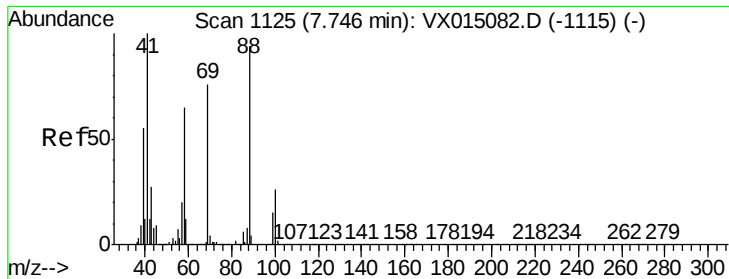


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

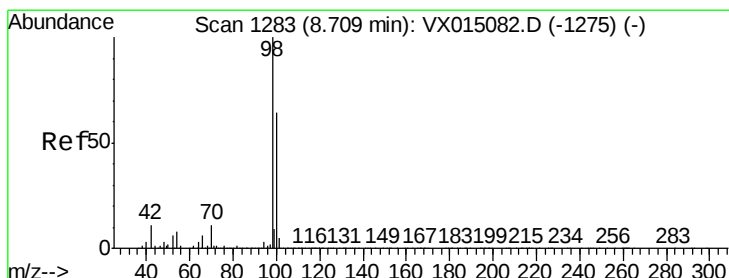
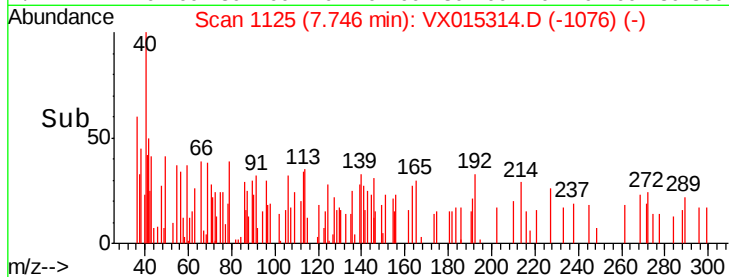
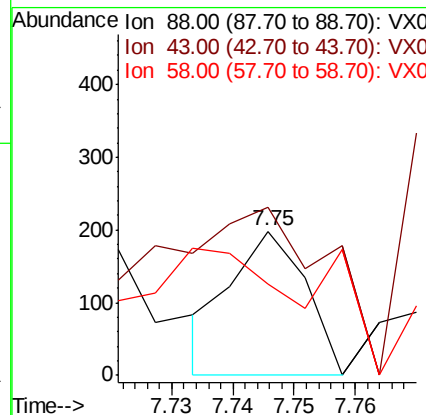
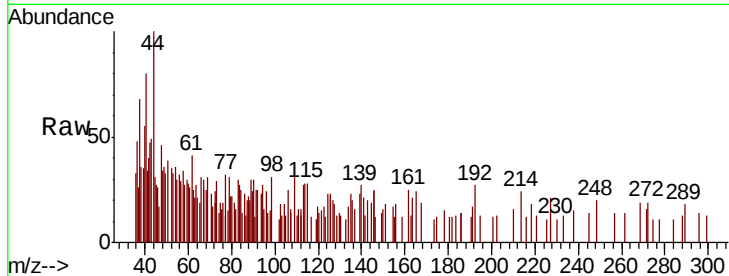




#49
1,4-Dioxane
Concen: 2.060 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015314.D
Acq: 17 Mar 2020 11:07

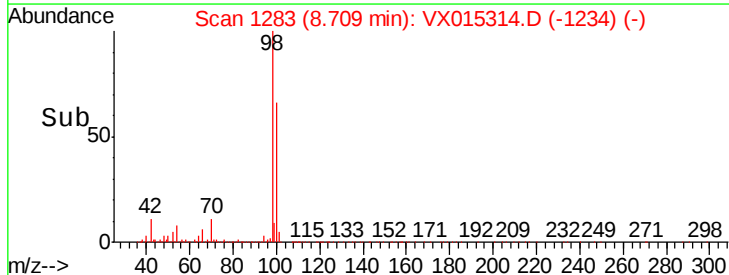
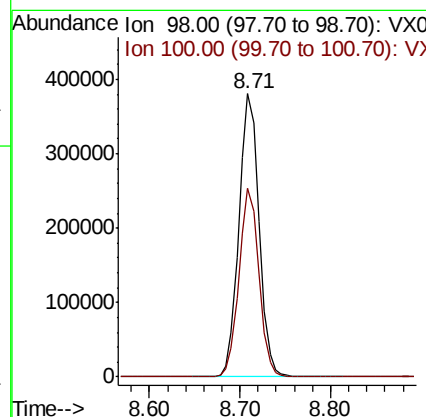
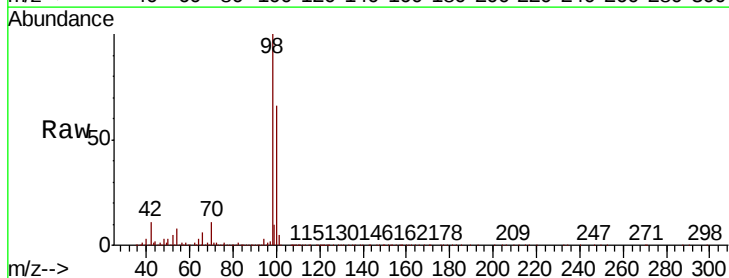
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

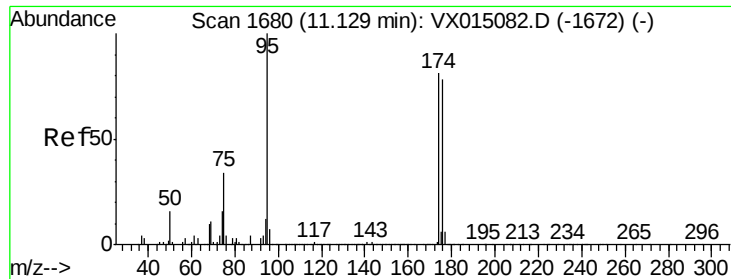
Tot Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 168.7 27.0 40.4#
58 161.4 55.6 83.4#



#50
Toluene-d8
Concen: 50.419 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015314.D
Acq: 17 Mar 2020 11:07

Tgt Ion: 98 Resp: 587242
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 51.882 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

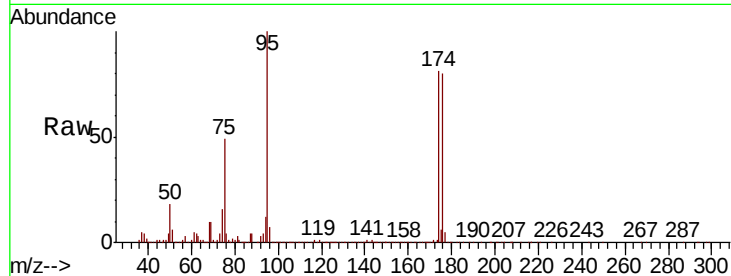
Tot Ion: 95 Resp: 215541

Ion Ratio Lower Upper

95 100

174 87.1 0.0 177.6

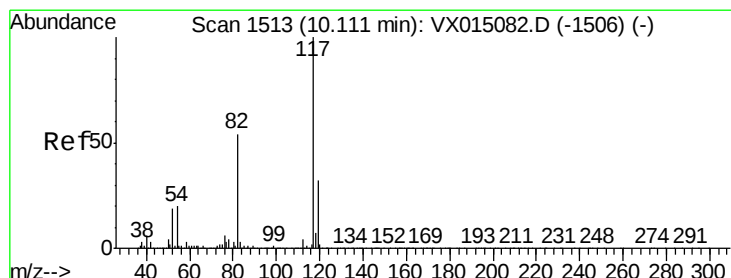
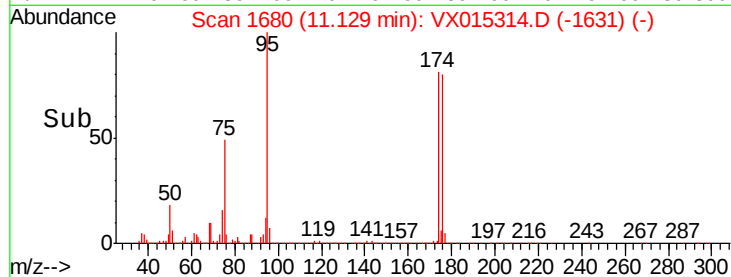
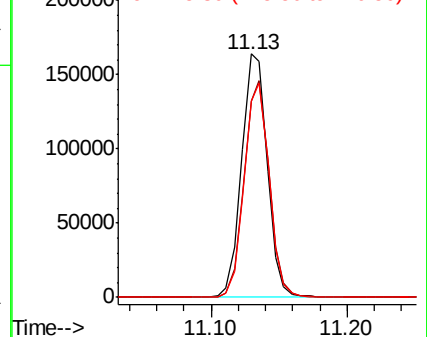
176 85.5 0.0 170.2



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: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

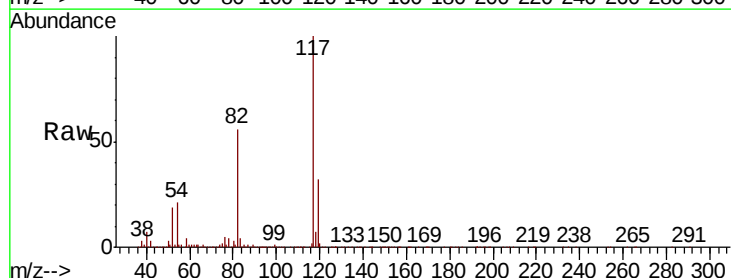
Tgt Ion: 117 Resp: 469187

Ion Ratio Lower Upper

117 100

82 55.9 43.3 64.9

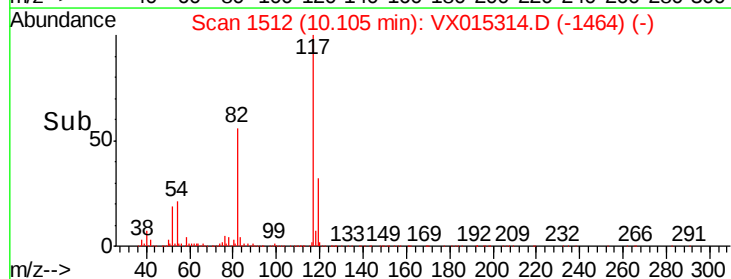
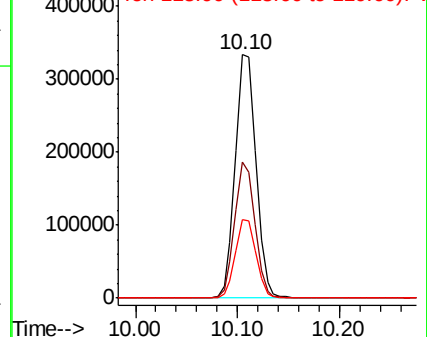
119 32.4 25.8 38.8

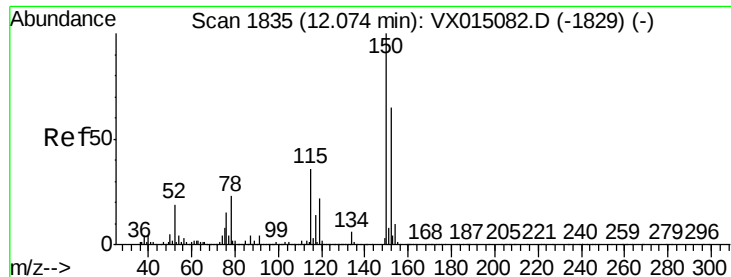


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

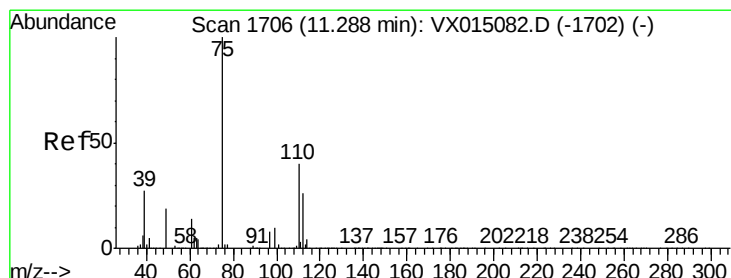
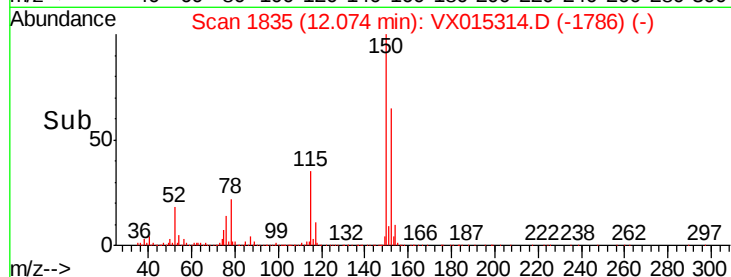
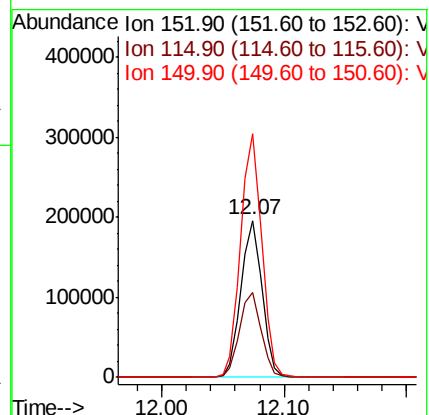
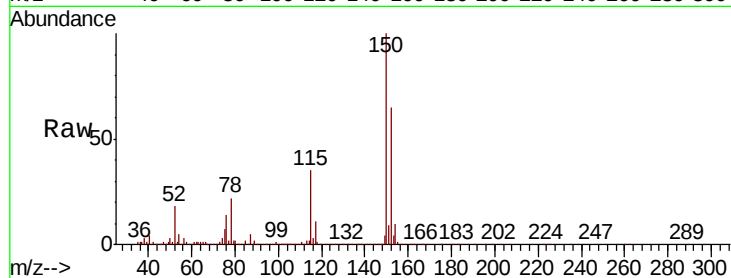
Tot Ion:152 Resp: 232573

Ion Ratio Lower Upper

152 100

115 55.7 38.2 114.6

150 156.1 0.0 343.8



#76

1,2,3-Trichloropropane

Concen: 21.722 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015314.D

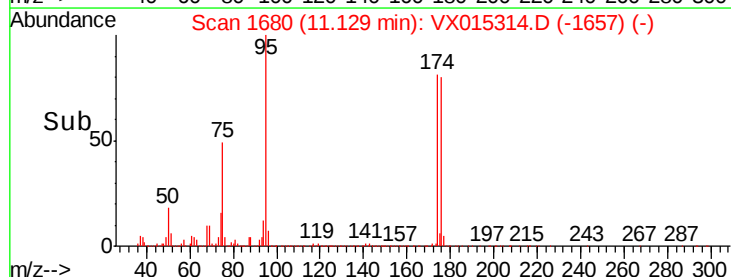
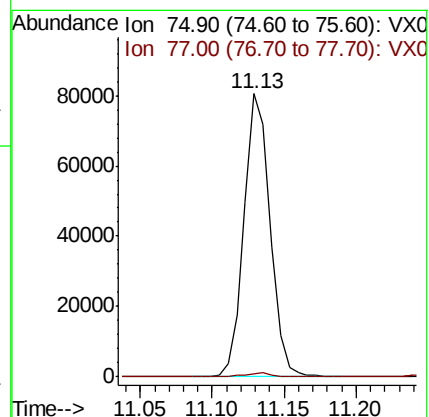
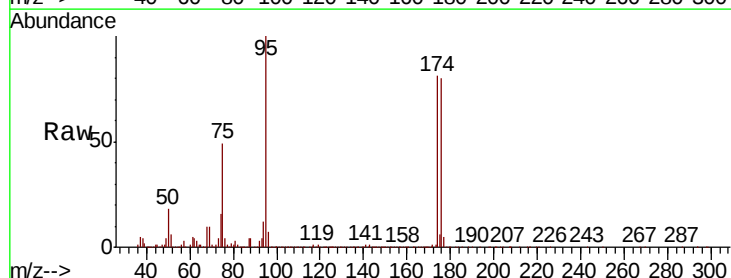
Acq: 17 Mar 2020 11:07

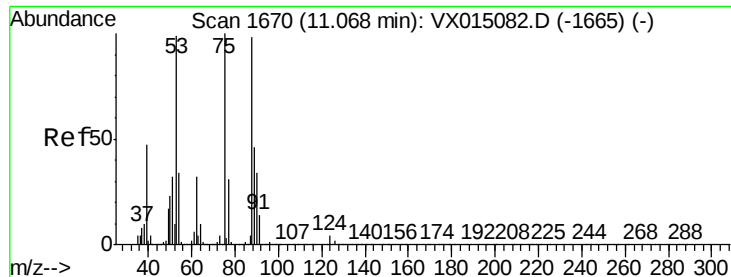
Tgt Ion: 75 Resp: 100770

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.647 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

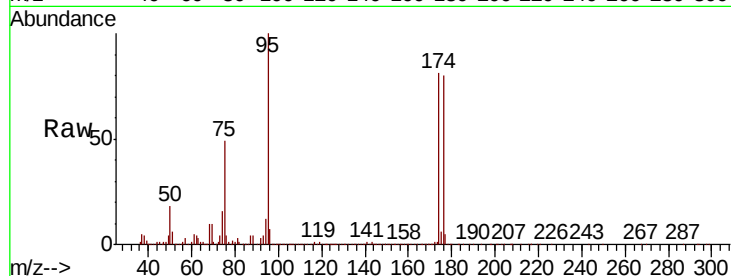
Tot Ion: 75 Resp: 100770

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

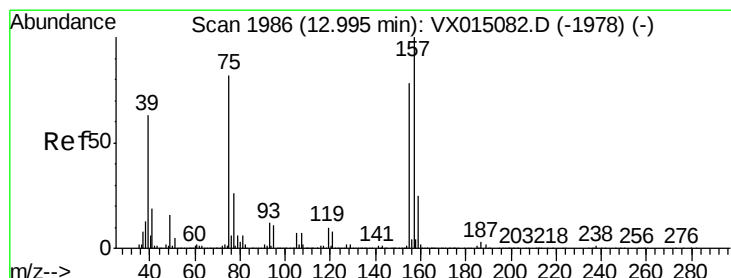
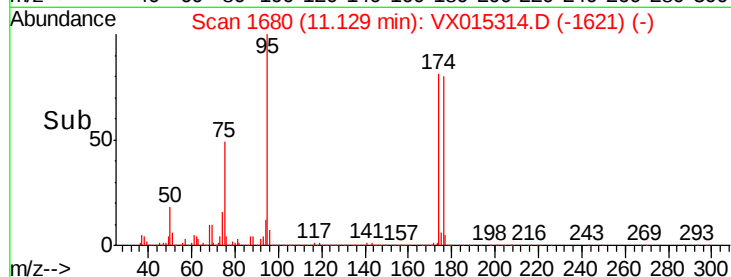
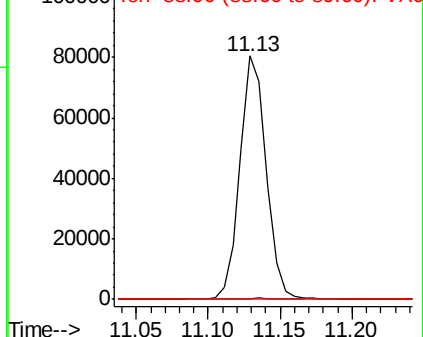
89 0.2 36.2 54.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.233 ug/l

RT: 13.15 min Scan# 2012

Delta R.T. 0.16 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

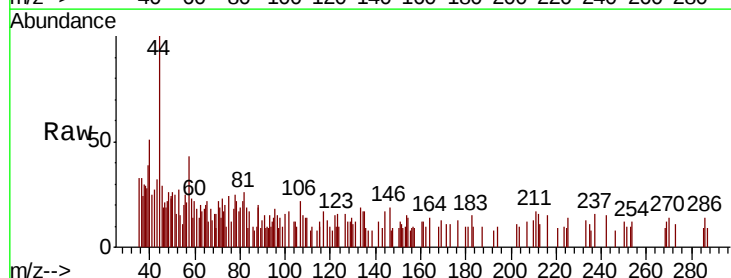
Tgt Ion: 75 Resp: 231

Ion Ratio Lower Upper

75 100

155 47.6 46.6 139.7

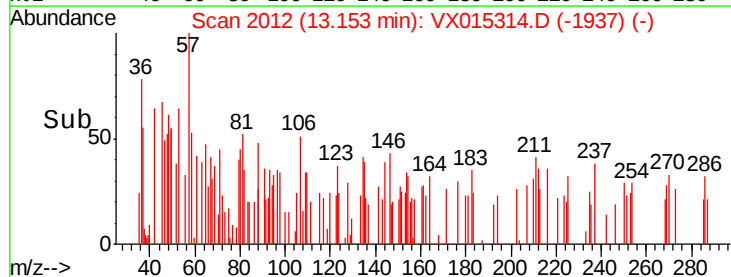
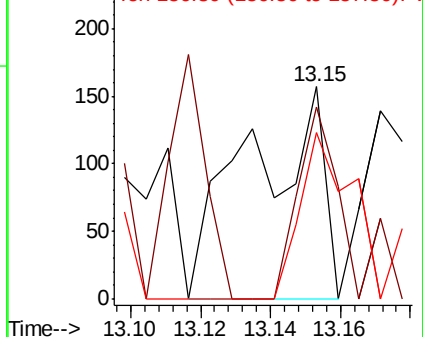
157 63.2 59.2 177.5

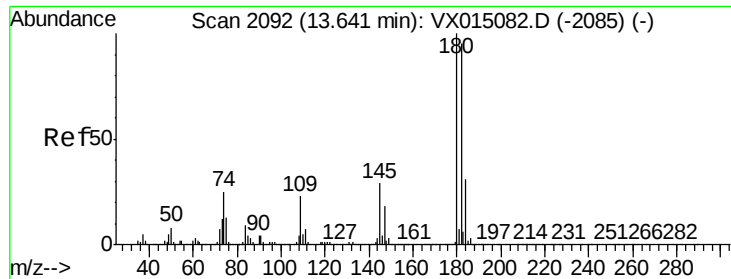


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.207 ug/l

RT: 13.63 min Scan# 2091

Delta R.T. -0.01 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

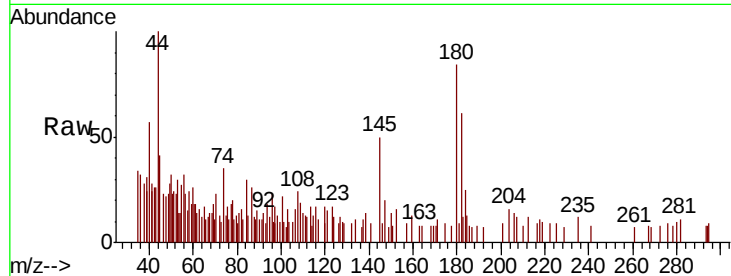
Tot Ion:180 Resp: 1042

Ion Ratio Lower Upper

180 100

182 110.4 47.6 142.8

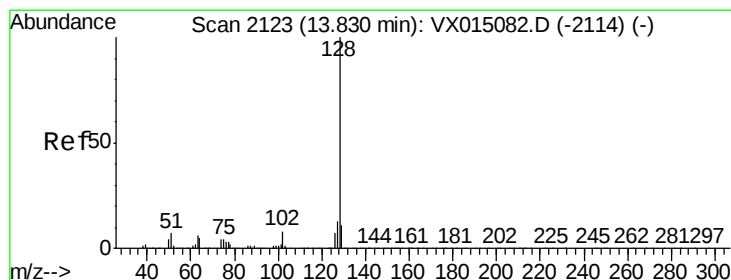
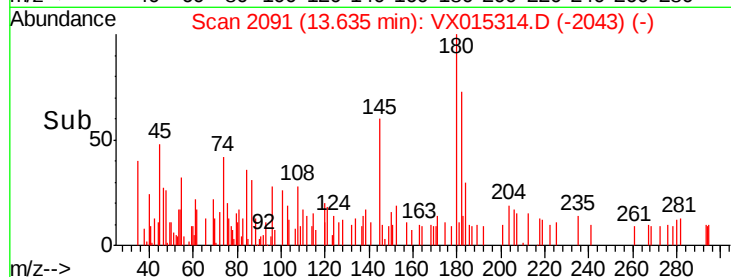
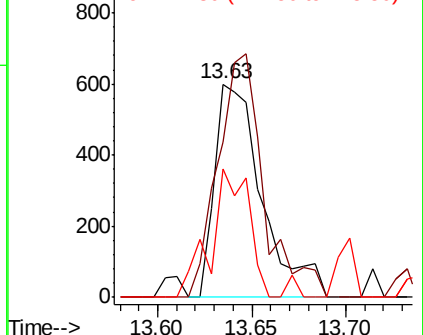
145 48.1 14.1 42.2#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 1.508 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015314.D

Acq: 17 Mar 2020 11:07

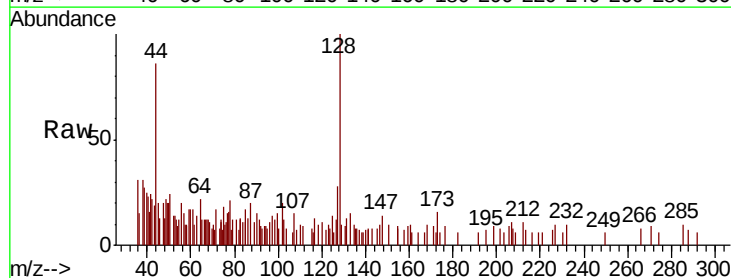
Tgt Ion:128 Resp: 1396

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

129 9.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

