

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006083.D
 Acq On : 19 Nov 2018 11:41
 Operator : JC/MD
 Sample : J5984-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 19 13:15:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	132896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	196096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	152342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	76668	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	61927	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
50) Toluene-d8	8.71	98	200444	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
62) 4-Bromofluorobenzene	11.14	95	68222	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

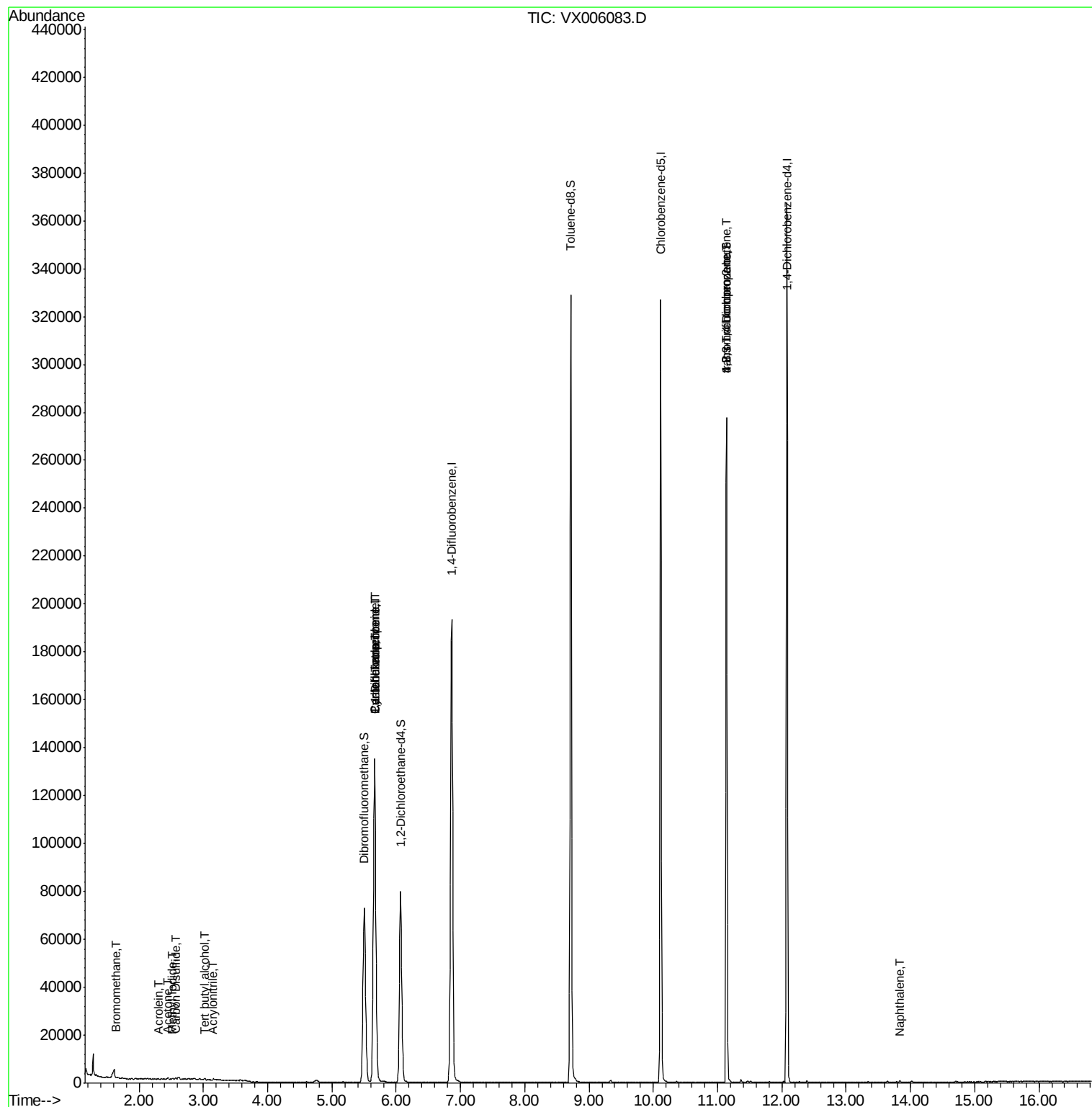
Target Compounds						Qvalue
5) Bromomethane	1.65	94	233	0.24	ug/l #	77
10) Methyl Iodide	2.52	142	316	0.22	ug/l #	68
11) Tert butyl alcohol	3.03	59	234	0.53	ug/l #	72
13) Acrolein	2.29	56	25	19.27	ug/l #	1
15) Acrylonitrile	3.15	53	232	0.26	ug/l #	86
16) Acetone	2.44	43	695	0.84	ug/l #	86
17) Carbon Disulfide	2.57	76	736	0.21	ug/l #	78
18) Methyl Acetate	2.78	43	424	Below Cal	#	55
31) Cyclohexane	5.67	56	2274	1.07	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	8805	4.66	ug/l #	49
38) Carbon Tetrachloride	5.67	117	11511	6.08	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	34014	22.12	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	34014	70.49	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	250	Below Cal		78
95) Naphthalene	13.83	128	596	1.28	ug/l #	83

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006083.D

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Instrument :

MSVOA_X

ClientSampleId :

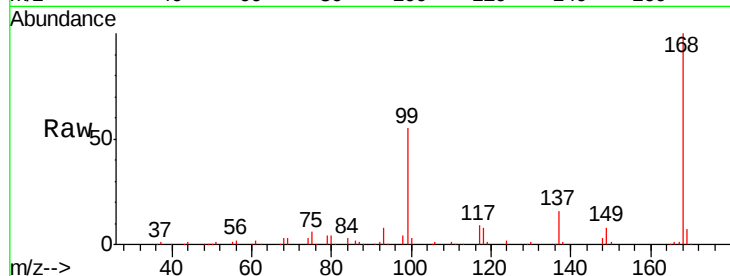
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 168 Resp: 132896

Ion Ratio Lower Upper

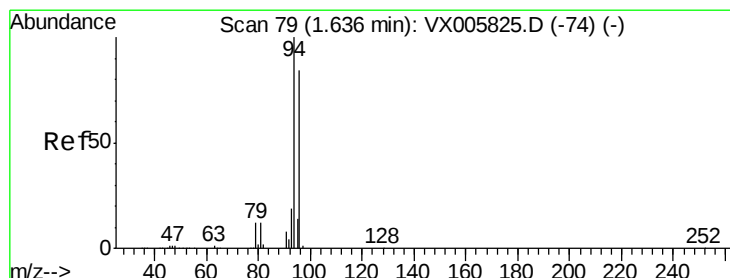
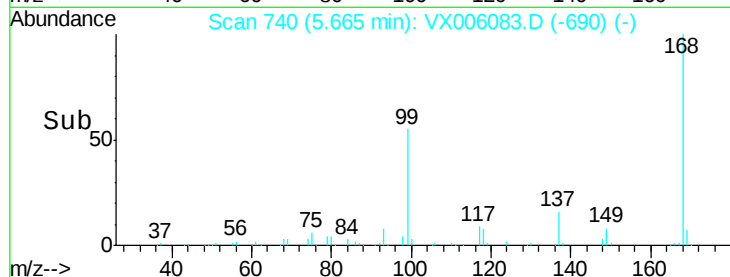
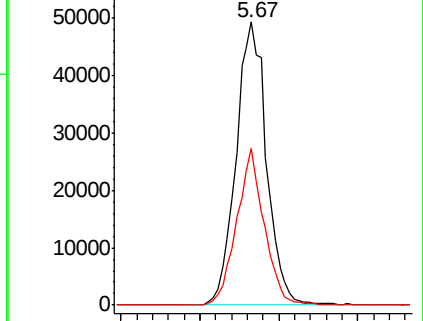
168 100

99 55.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006083.D

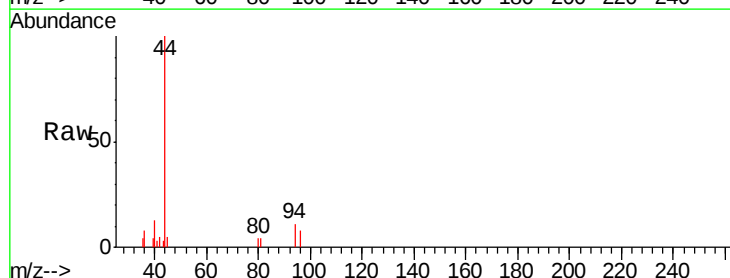
Acq: 19 Nov 2018 11:41

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

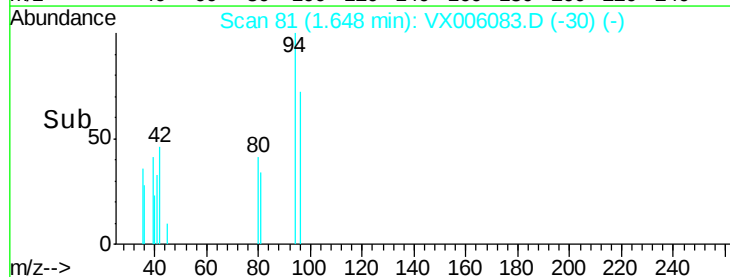
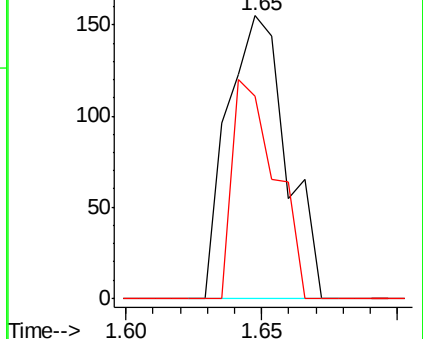
94 100

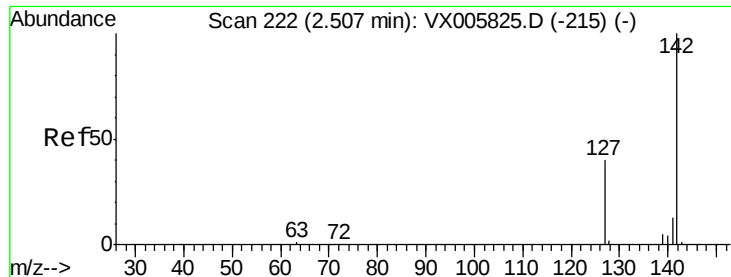
96 71.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

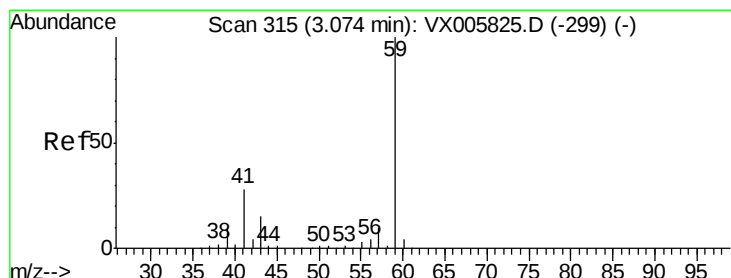
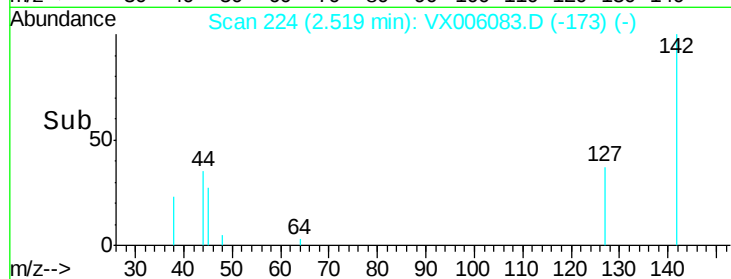
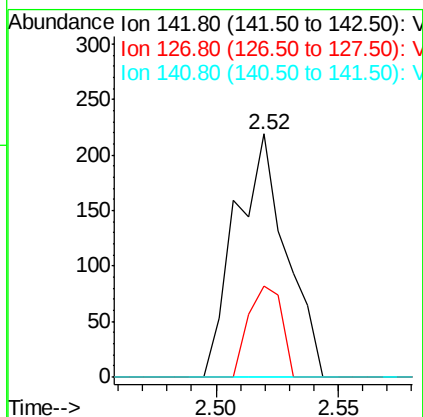
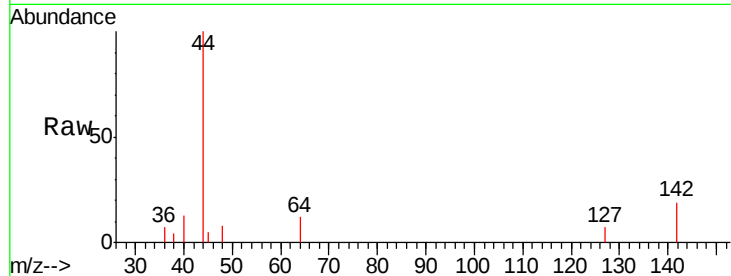




#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

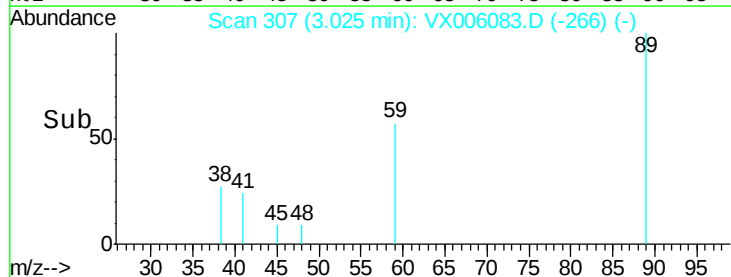
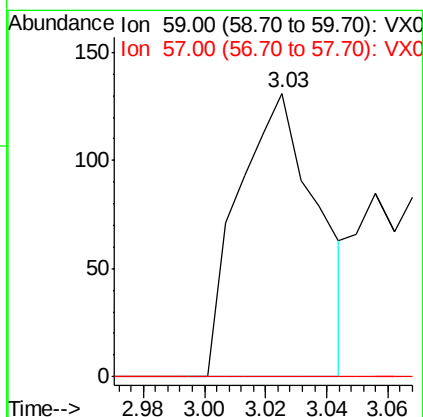
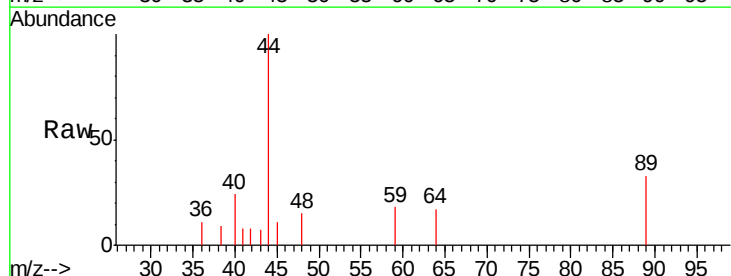
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

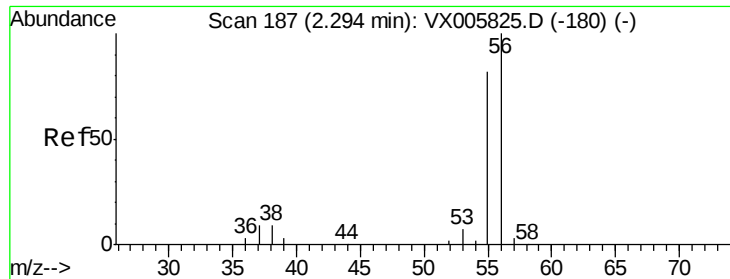
Tgt Ion: 142 Resp: 316
Ion Ratio Lower Upper
142 100
127 24.7 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.53 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 19.27 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

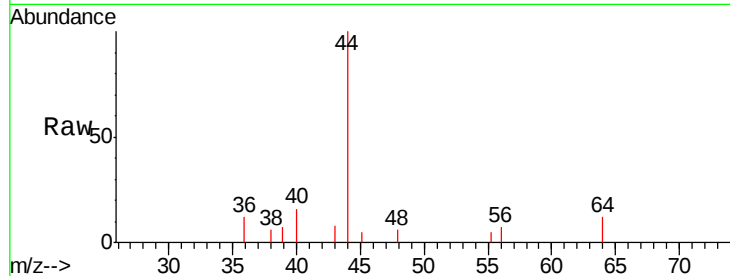
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 248.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

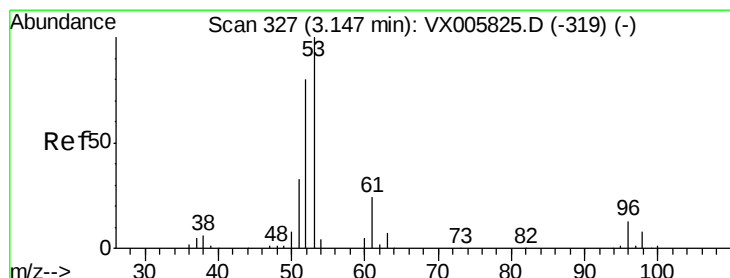
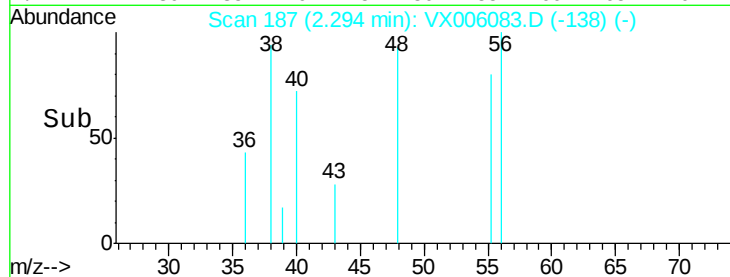
60

40

20

0

Time-->



#15

Acrylonitrile

Concen: 0.26 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

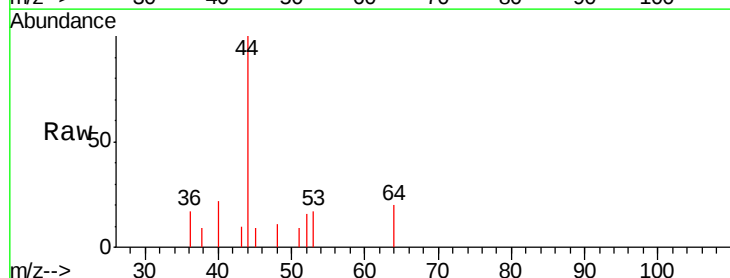
Tgt Ion: 53 Resp: 232

Ion Ratio Lower Upper

53 100

52 76.3 66.6 99.8

51 17.7 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

3.15

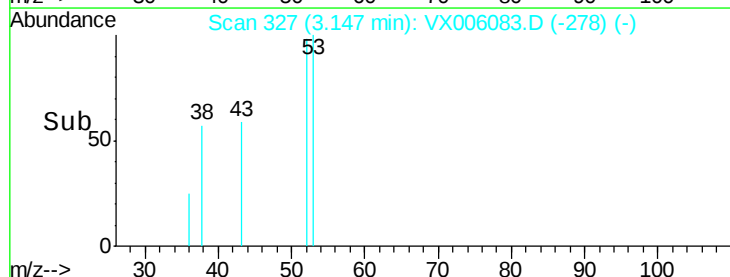
150

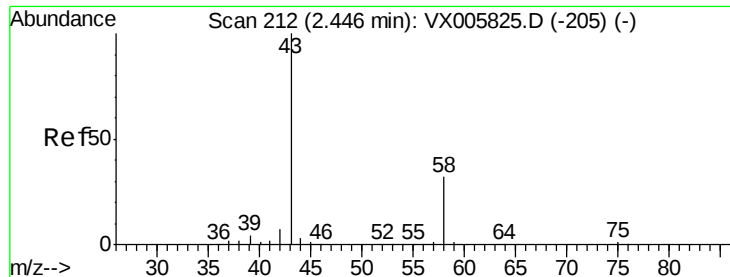
100

50

0

Time-->





#16

Acetone

Concen: 0.84 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

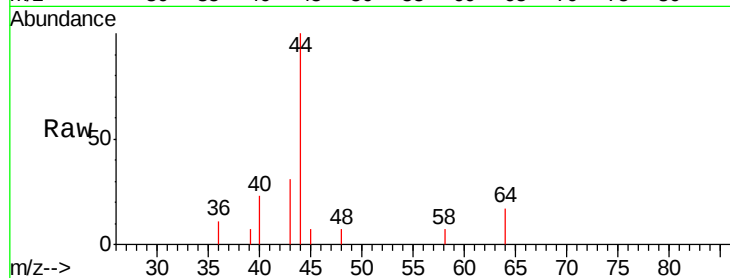
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

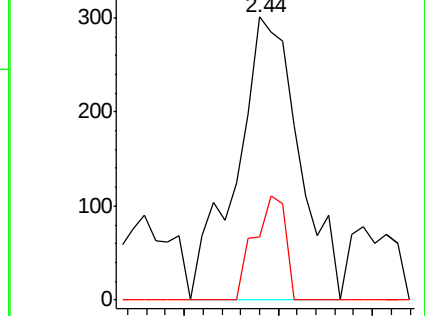
43 100

58 22.3 23.8 35.6#

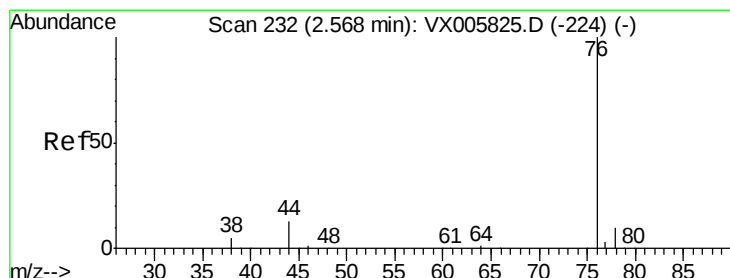
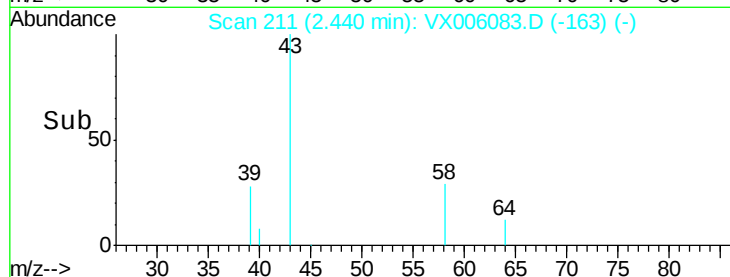


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006083.D

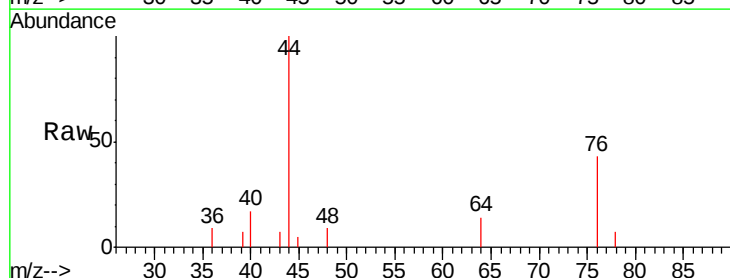
Acq: 19 Nov 2018 11:41

Tgt Ion: 76 Resp: 736

Ion Ratio Lower Upper

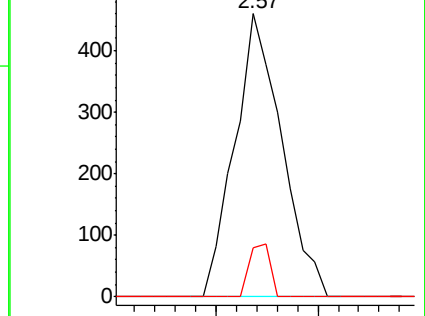
76 100

78 17.2 7.3 10.9#

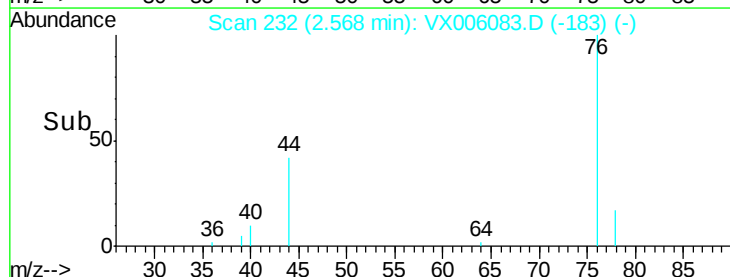


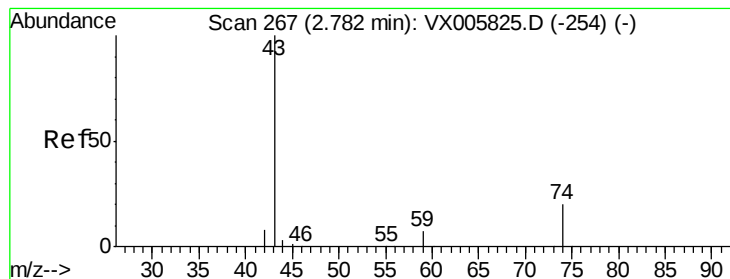
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

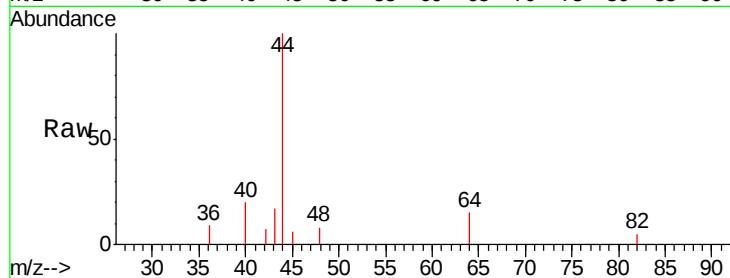
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 43 Resp: 424

Ion Ratio Lower Upper

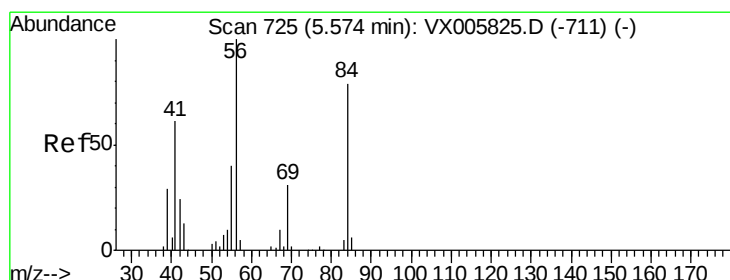
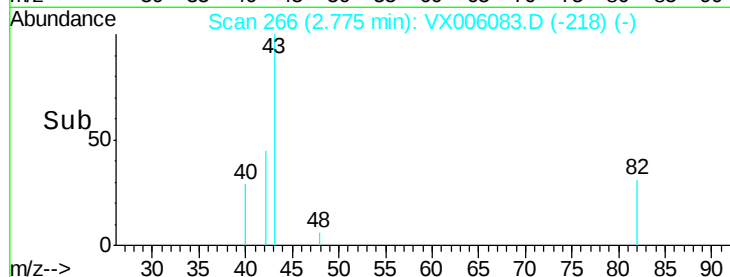
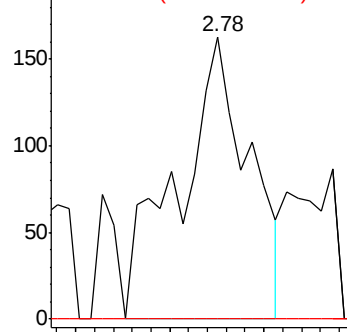
43 100

74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

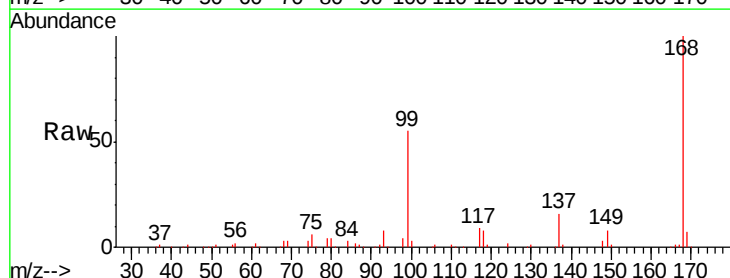
Tgt Ion: 56 Resp: 2274

Ion Ratio Lower Upper

56 100

69 198.0 22.6 34.0#

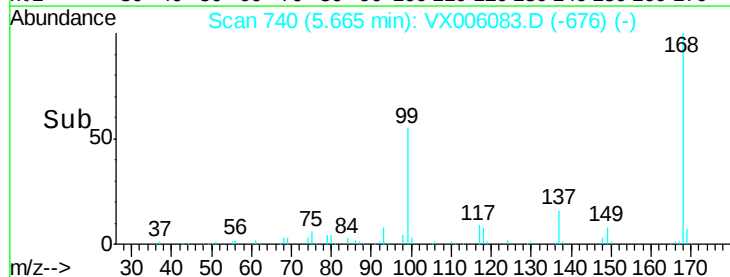
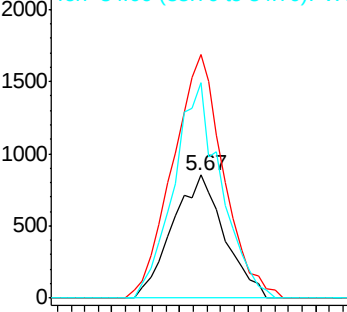
84 175.2 62.7 94.1#

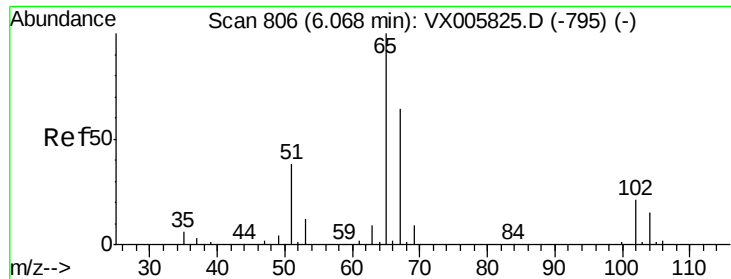


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.18 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

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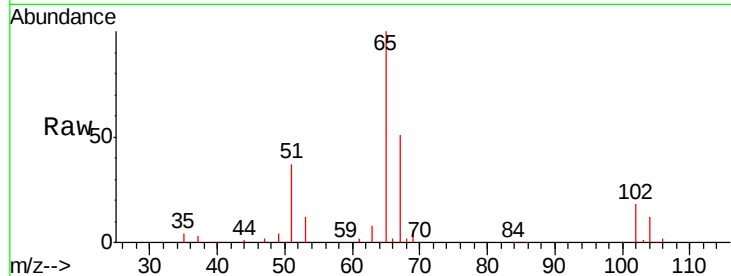
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 76668

Ion Ratio Lower Upper

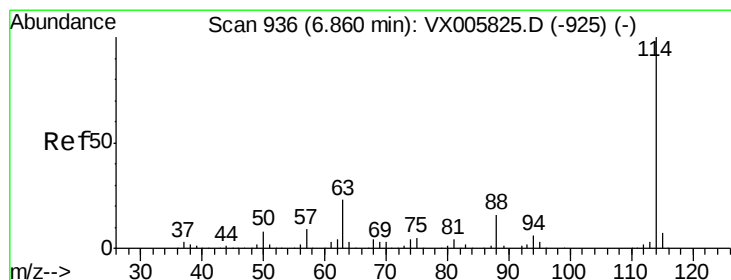
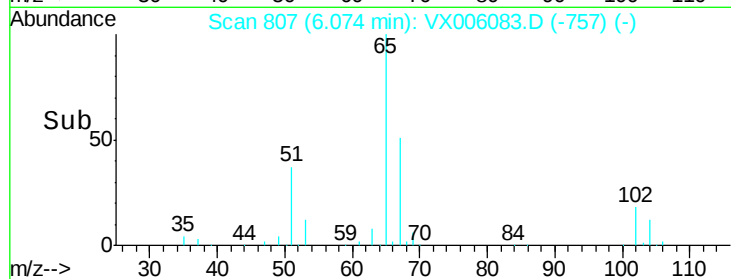
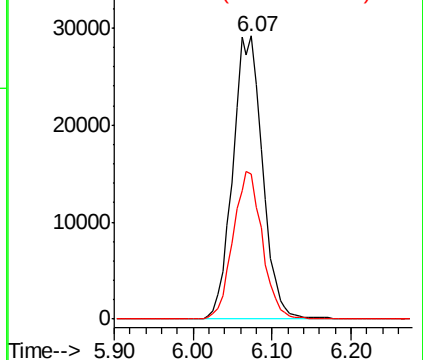
65 100

67 51.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

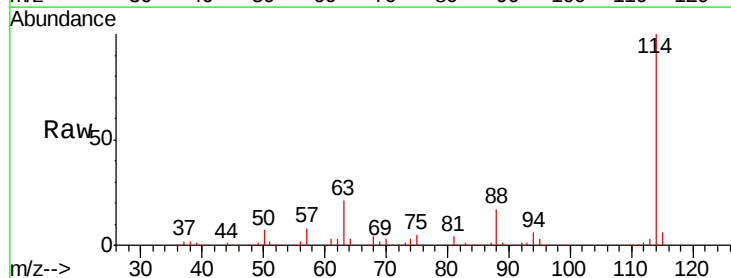
Tgt Ion: 114 Resp: 196096

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

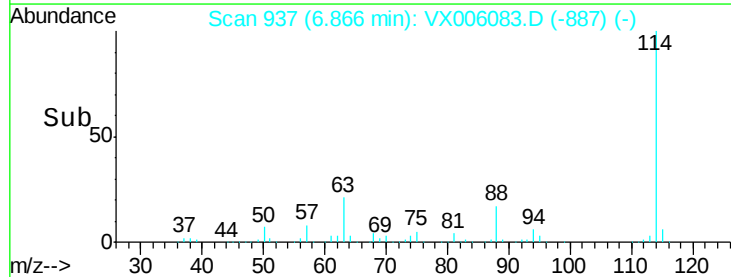
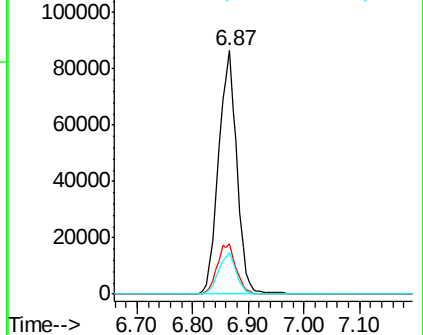
88 17.0 0.0 31.2

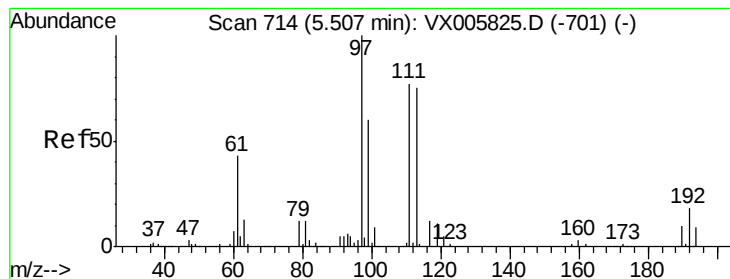


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.43 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

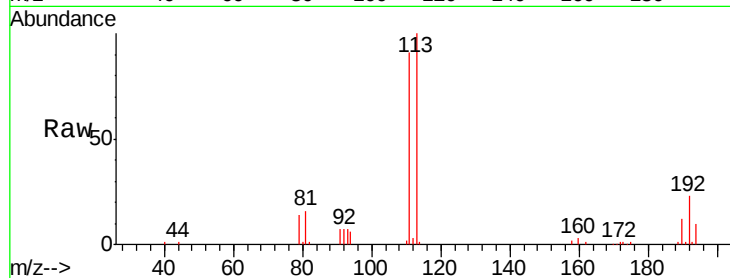
Tgt Ion:113 Resp: 61927

Ion Ratio Lower Upper

113 100

111 104.8 82.3 123.5

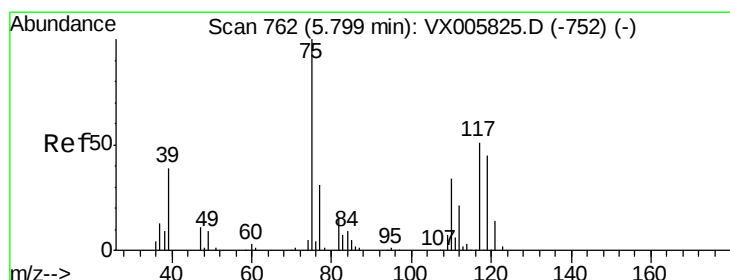
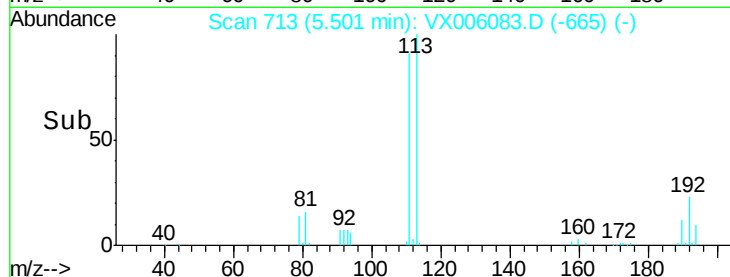
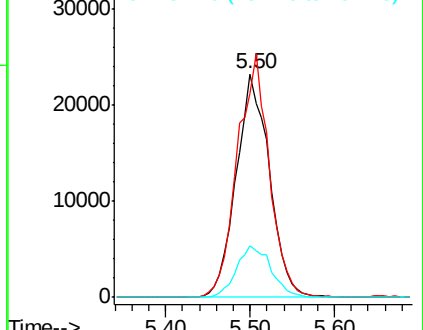
192 23.8 17.9 26.9



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: 4.66 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

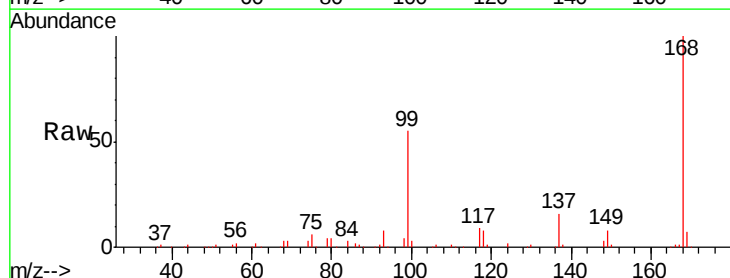
Tgt Ion: 75 Resp: 8805

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

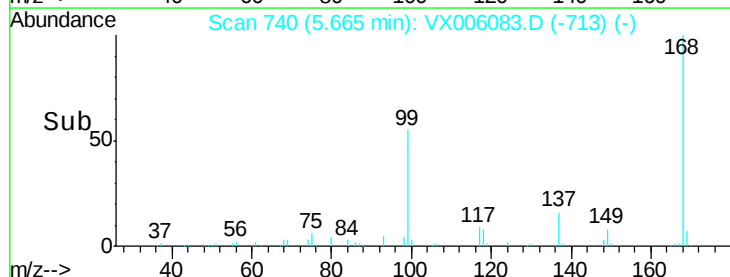
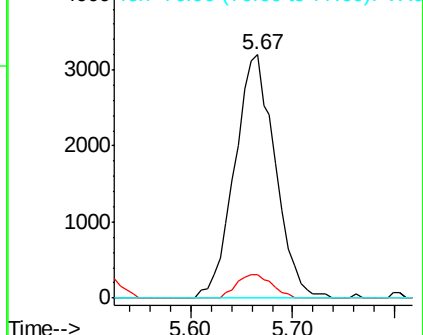
77 0.0 25.8 38.6#

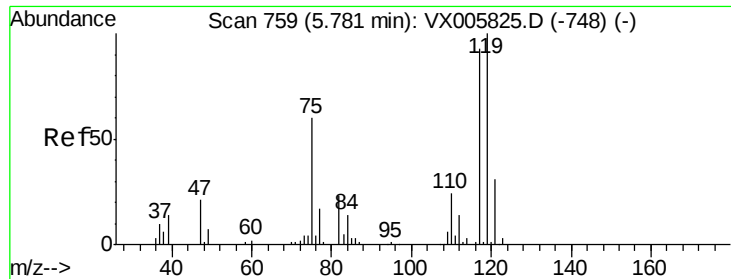


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.08 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

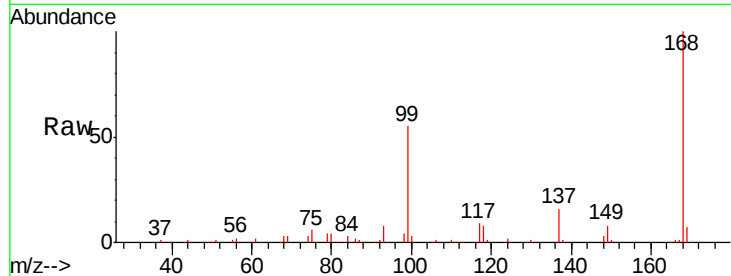
Tgt Ion:117 Resp: 11511

Ion Ratio Lower Upper

117 100

119 6.9 78.1 117.1#

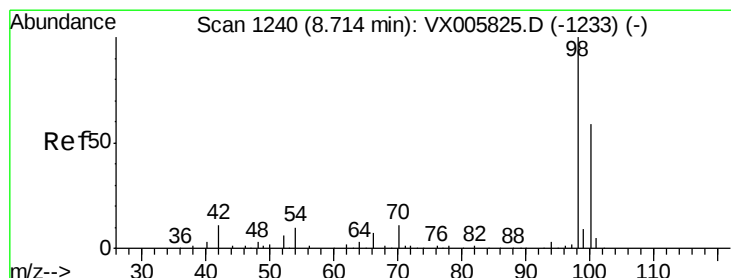
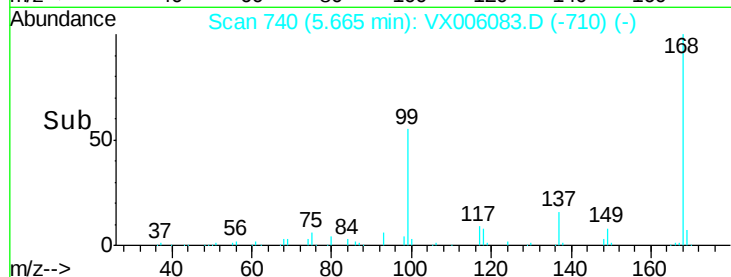
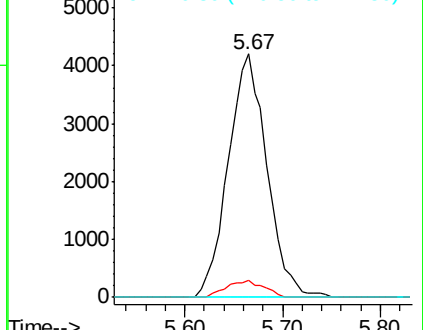
121 0.0 24.6 36.8#



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: 45.20 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006083.D

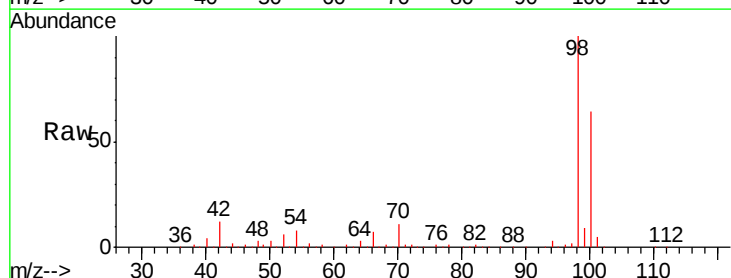
Acq: 19 Nov 2018 11:41

Tgt Ion: 98 Resp: 200444

Ion Ratio Lower Upper

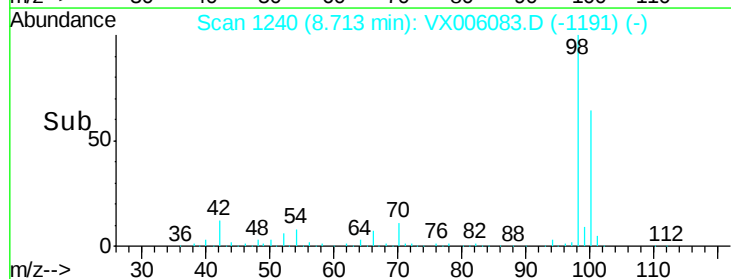
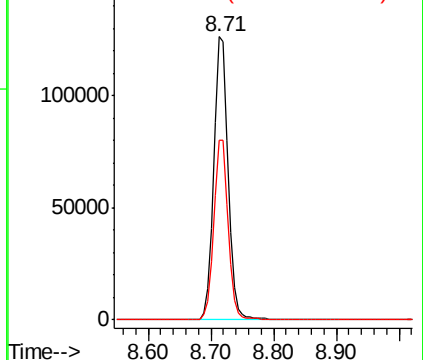
98 100

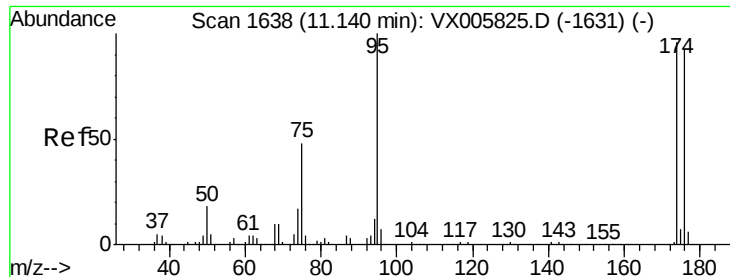
100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

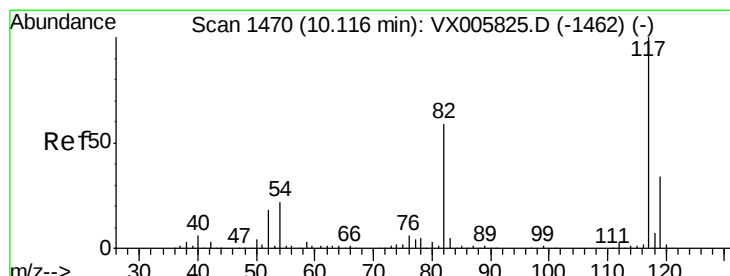
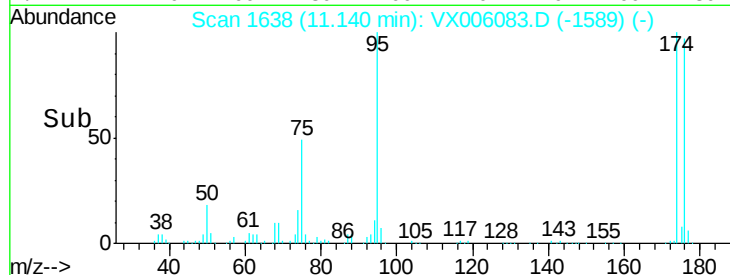
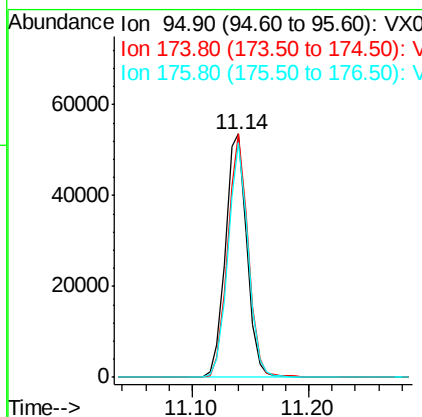
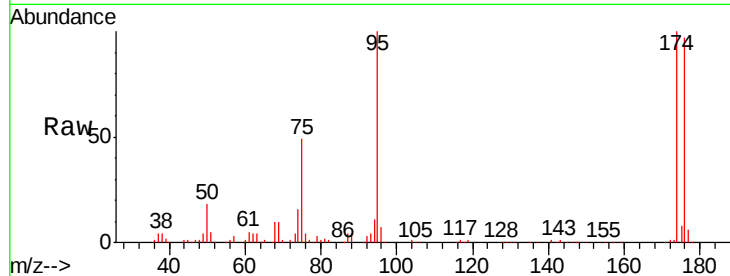




#62
4-Bromofluorobenzene
Concen: 42.79 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

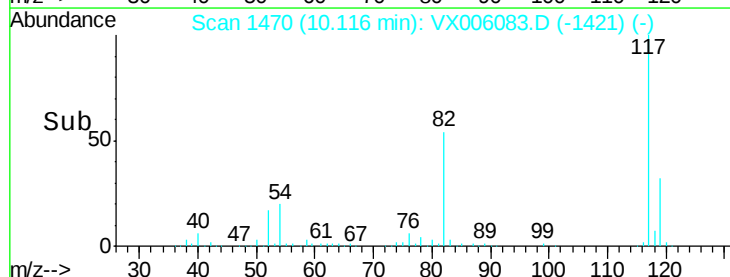
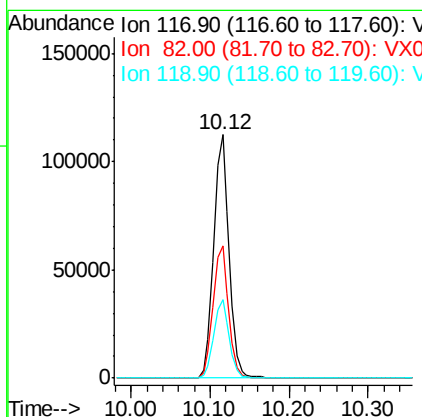
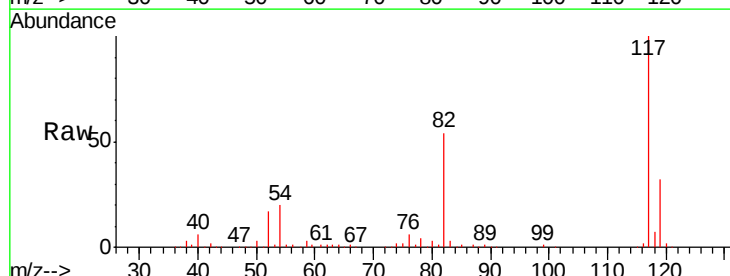
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

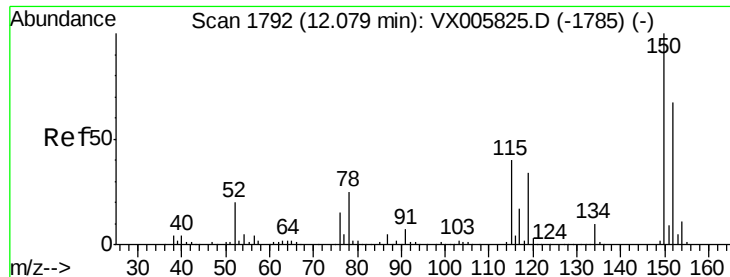
Tgt Ion: 95 Resp: 68222
Ion Ratio Lower Upper
95 100
174 95.1 0.0 184.4
176 90.9 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

Tgt Ion: 117 Resp: 152342
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006083.D

Acq: 19 Nov 2018 11:41

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

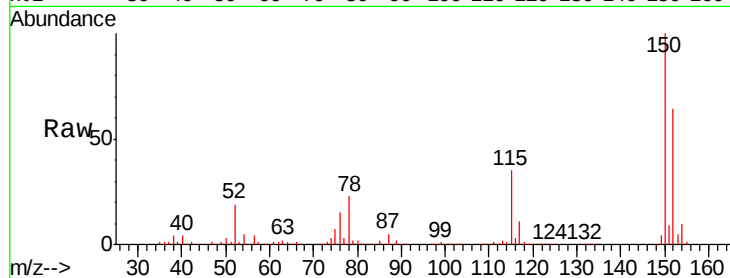
Tgt Ion:152 Resp: 75531

Ion Ratio Lower Upper

152 100

115 55.4 39.4 118.1

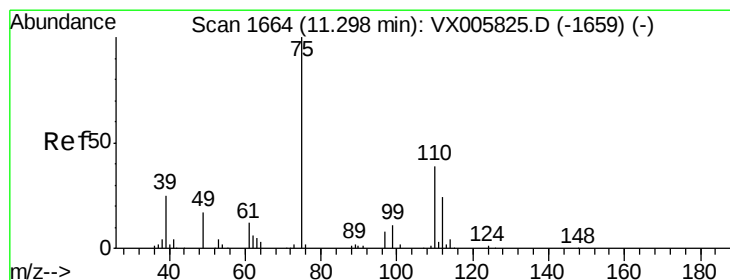
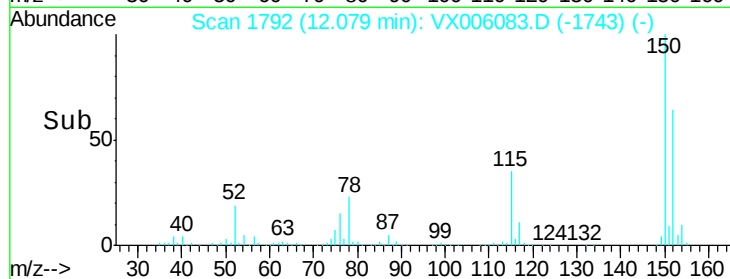
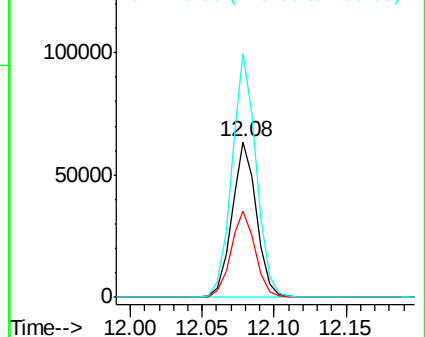
150 156.2 0.0 346.4



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: 22.12 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX006083.D

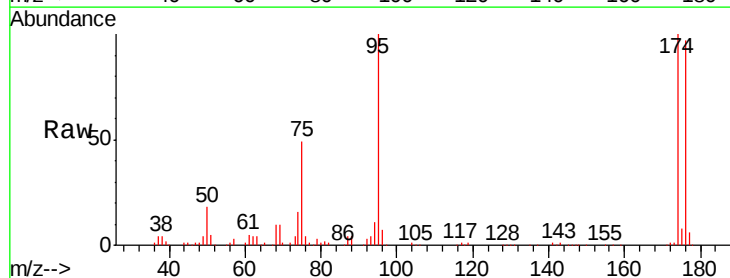
Acq: 19 Nov 2018 11:41

Tgt Ion: 75 Resp: 34014

Ion Ratio Lower Upper

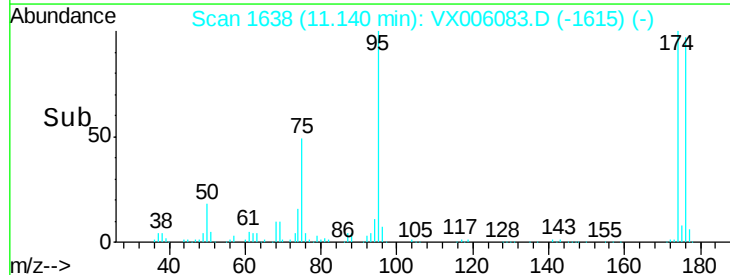
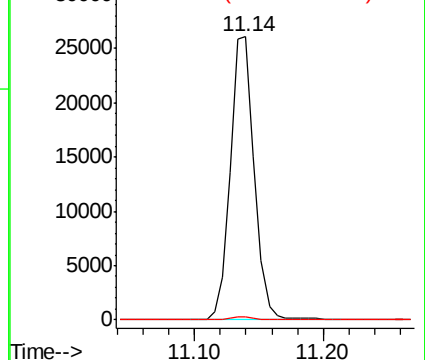
75 100

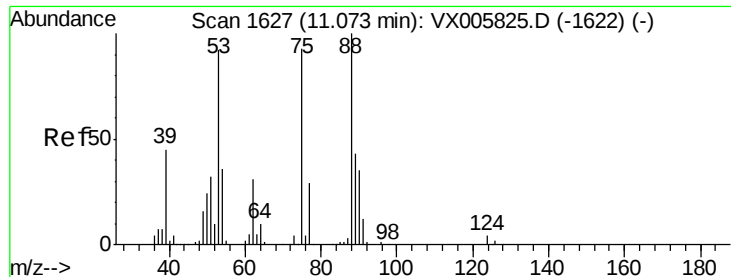
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

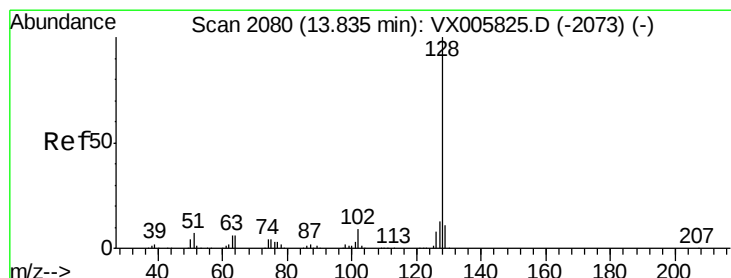
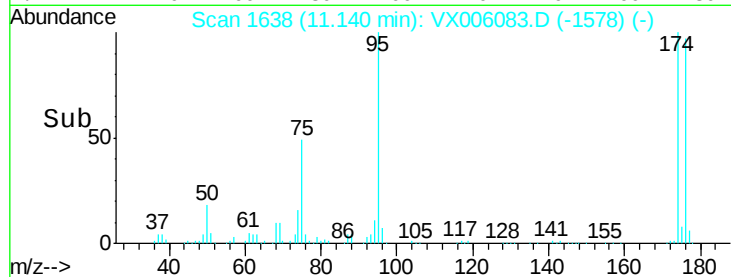
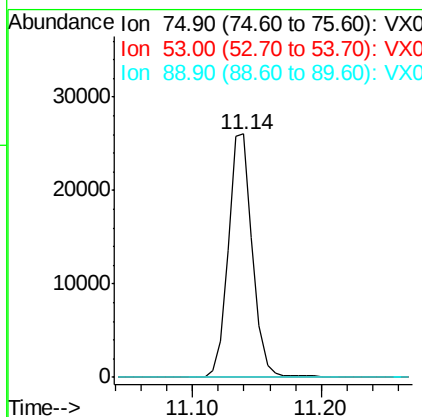
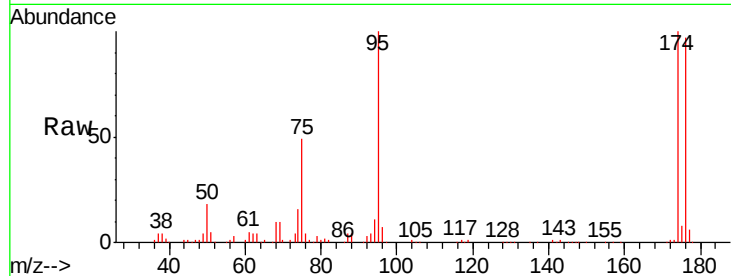




#81
trans-1,4-Dichloro-2-butene
Concen: 70.49 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

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

Tgt Ion: 75 Resp: 34014
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.1 39.8 59.8#



#95
Naphthalene
Concen: 1.28 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006083.D
Acq: 19 Nov 2018 11:41

Tgt Ion: 128 Resp: 596
Ion Ratio Lower Upper
128 100
127 7.6 10.4 15.6#
129 3.4 8.7 13.1#

