

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009343.D
 Acq On : 06 May 2019 12:21
 Operator : JC/SP
 Sample : K2685-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 07 06:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	198154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316074	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127378	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
35) Dibromofluoromethane	5.50	113	96580	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	391302	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.13	95	128546	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	

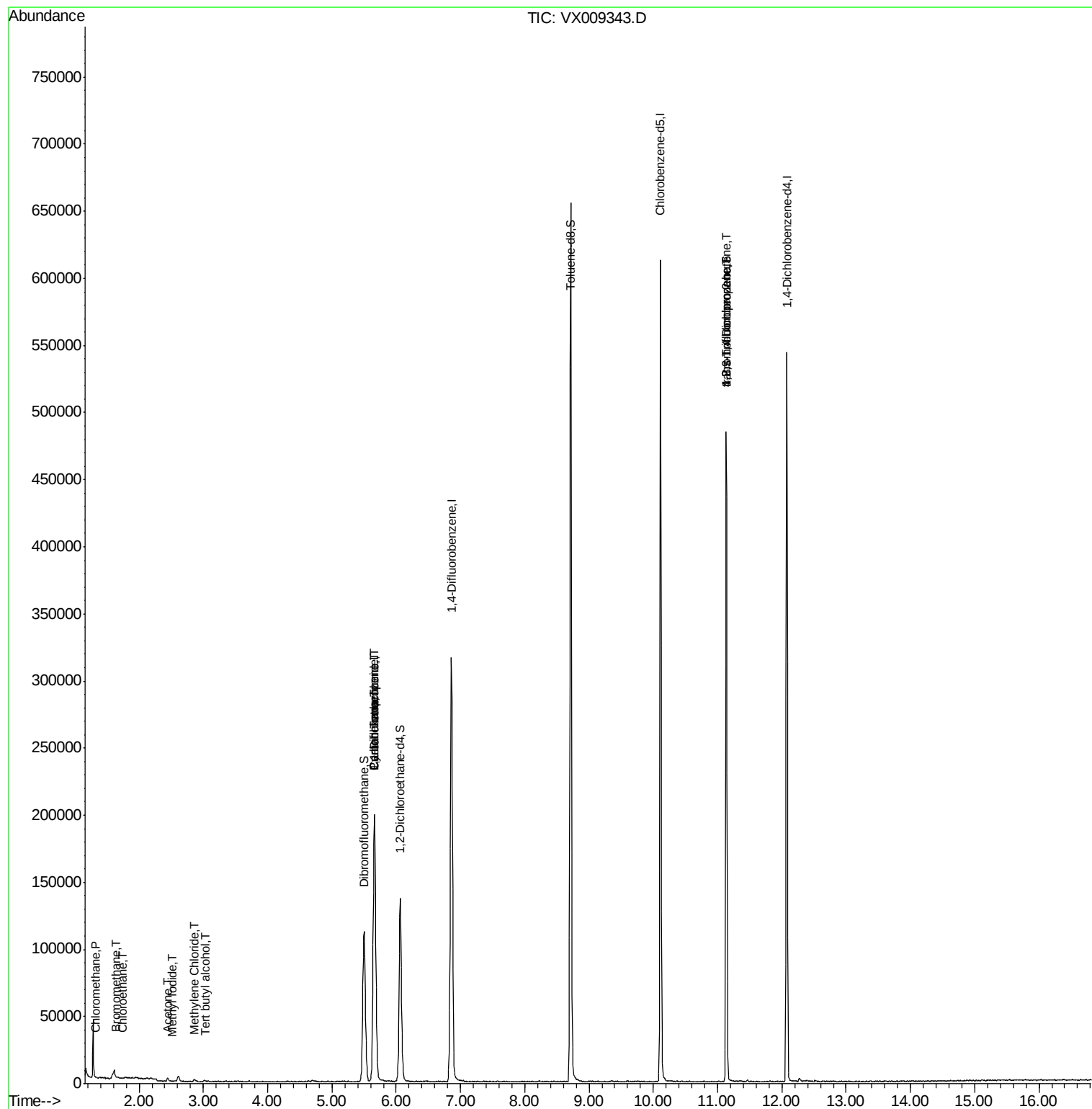
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	583	0.234	ug/l	93
5) Bromomethane	1.64	94	399	0.273	ug/l #	75
6) Chloroethane	1.74	64	470	0.301	ug/l #	43
10) Methyl Iodide	2.51	142	219	4.686	ug/l #	87
11) Tert butyl alcohol	3.03	59	735	1.174	ug/l #	83
16) Acetone	2.45	43	3403	2.343	ug/l #	88
20) Methylene Chloride	2.85	84	888	0.378	ug/l	87
28) Bromochloromethane	5.03	49	21	Below Cal	#	20
31) Cyclohexane	5.66	56	4239	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14793	5.036	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17868	6.695	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	64474	24.612	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64474	62.974	ug/l #	10

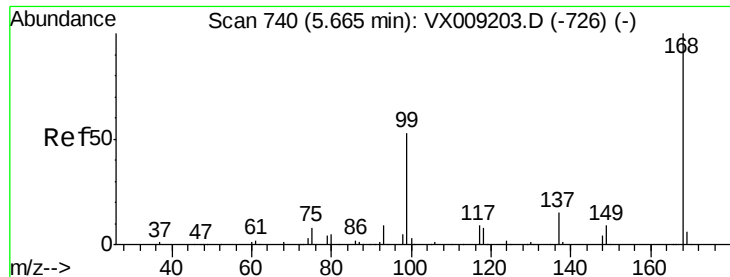
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 06:34:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

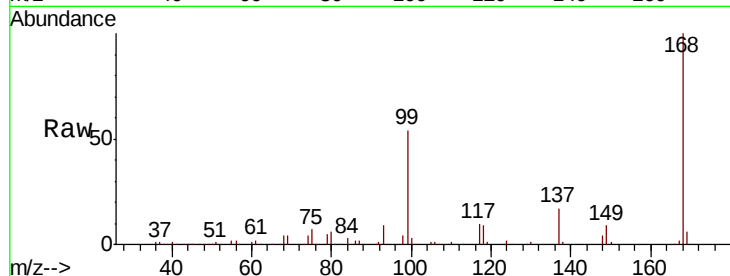
STORAGE-BLANK-WATER-REF-4

Tot Ion:168 Resp: 198154

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

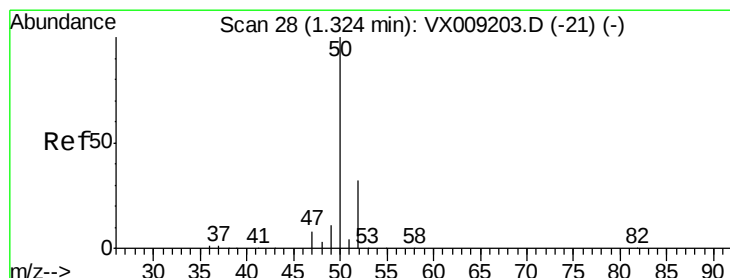
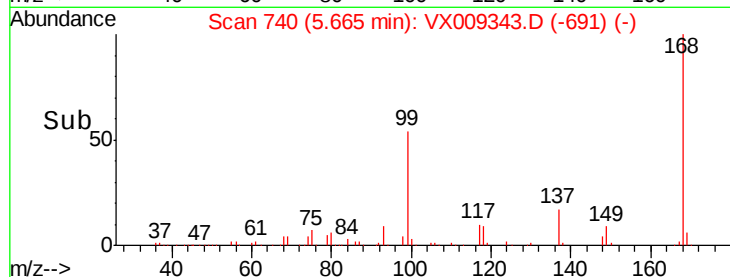
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009343.D

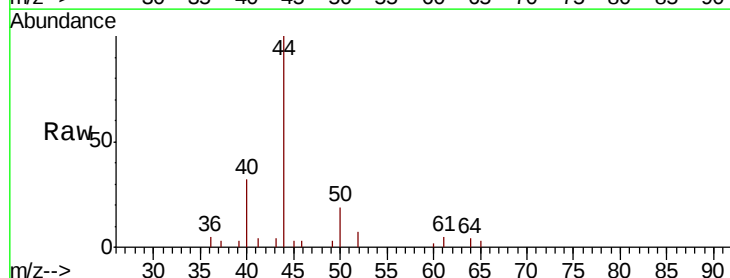
Acq: 06 May 2019 12:21

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

50 100

52 36.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

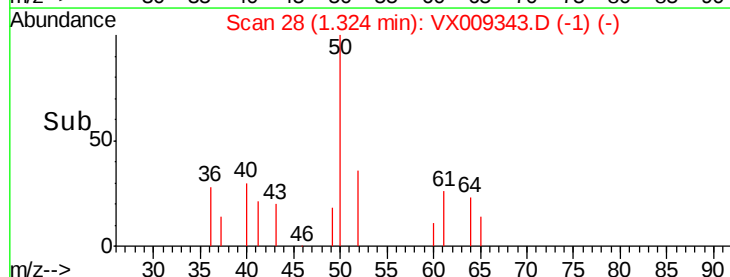
300

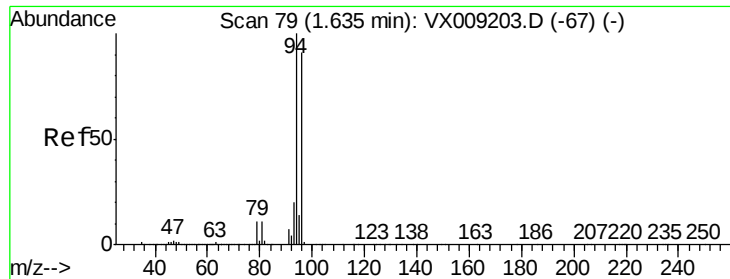
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.273 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

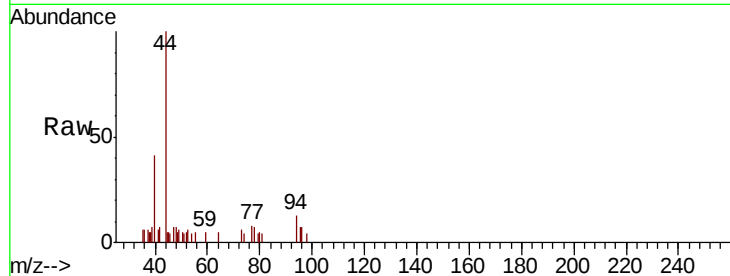
STORAGE-BLANK-WATER-REF-4

Tot Ion: 94 Resp: 399

Ion Ratio Lower Upper

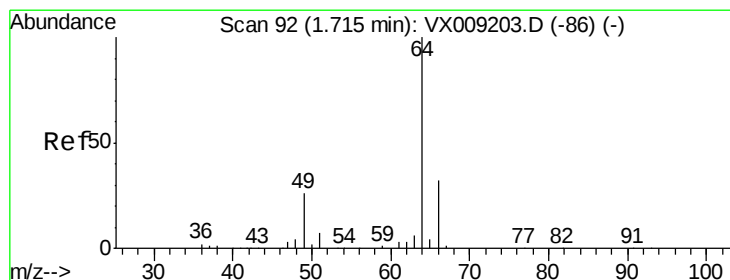
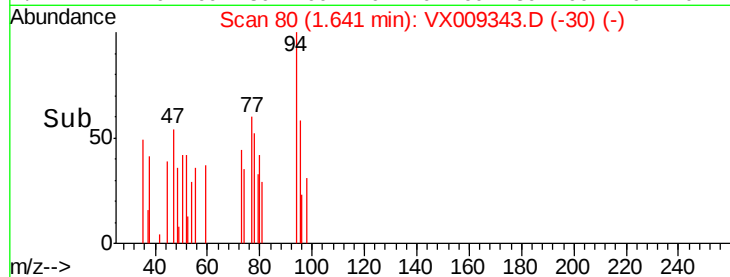
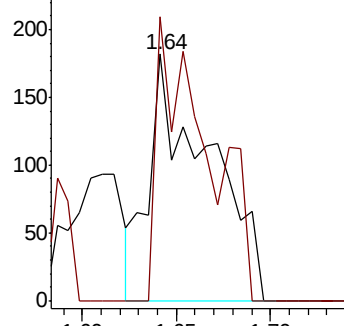
94 100

96 114.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.301 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX009343.D

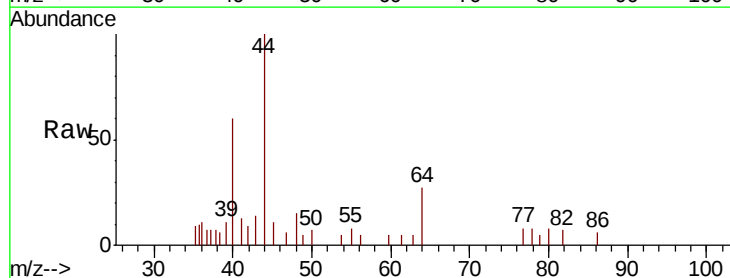
Acq: 06 May 2019 12:21

Tgt Ion: 64 Resp: 470

Ion Ratio Lower Upper

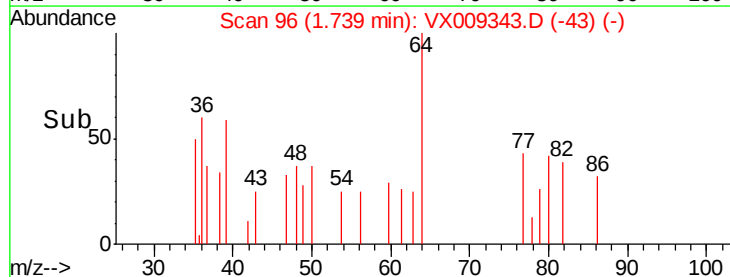
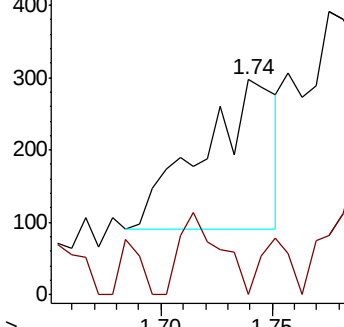
64 100

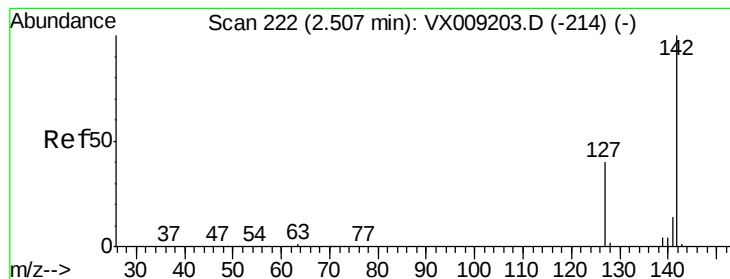
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

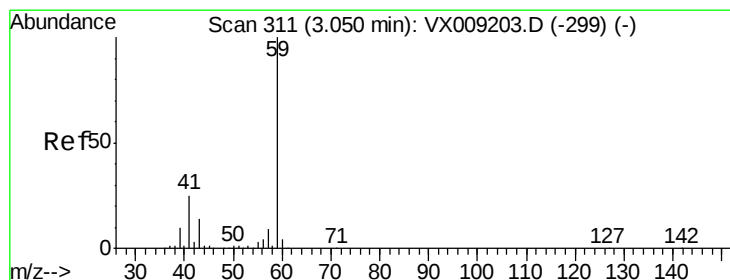
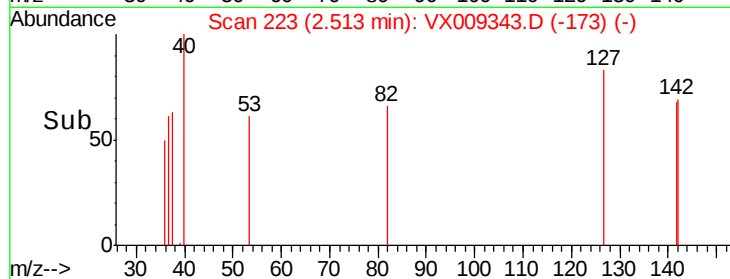
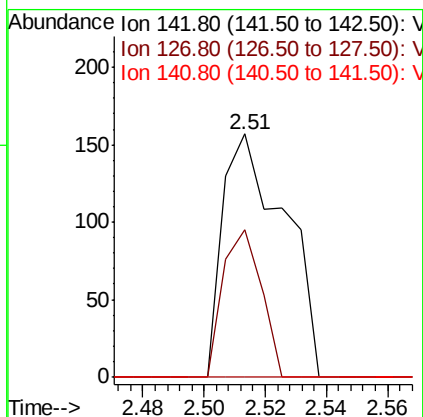
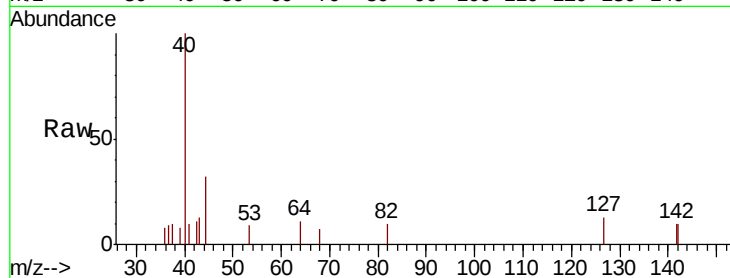




#10
Methvl Iodide
Concen: 4.686 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009343.D
Acq: 06 May 2019 12:21

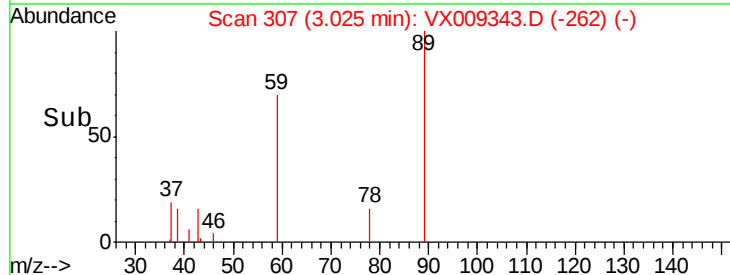
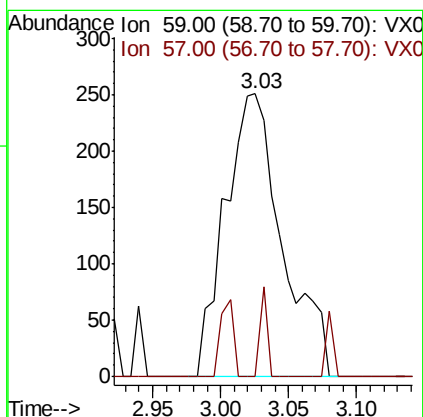
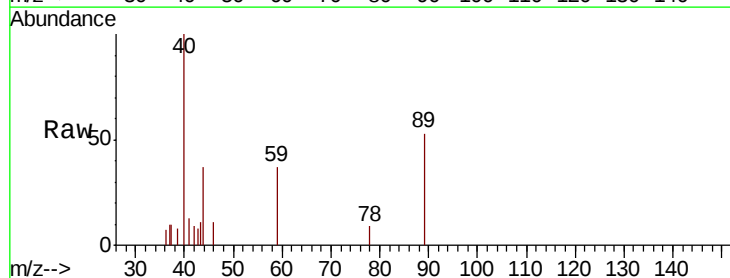
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

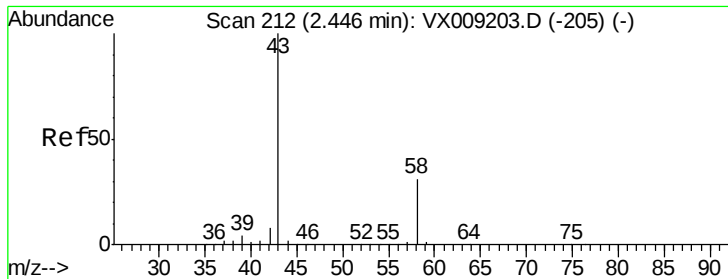
Tot Ion:142 Resp: 219
Ion Ratio Lower Upper
142 100
127 37.4 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.174 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009343.D
Acq: 06 May 2019 12:21

Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.2#





#16

Acetone

Concen: 2.343 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

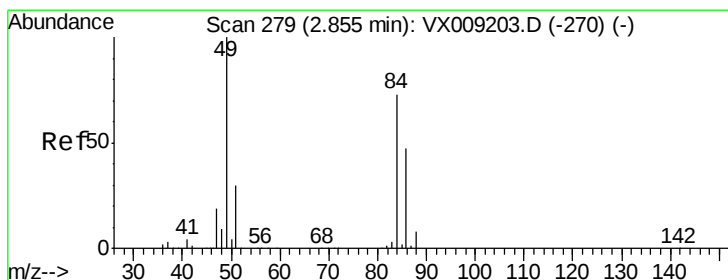
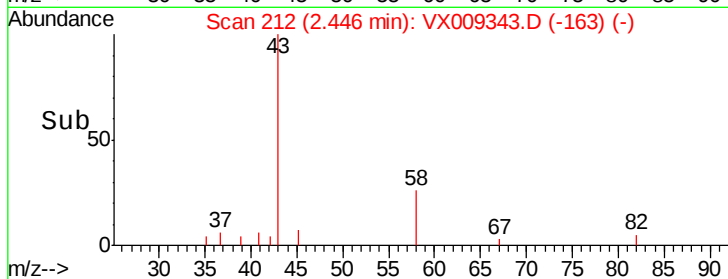
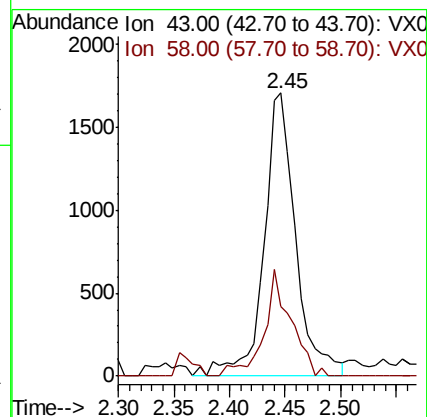
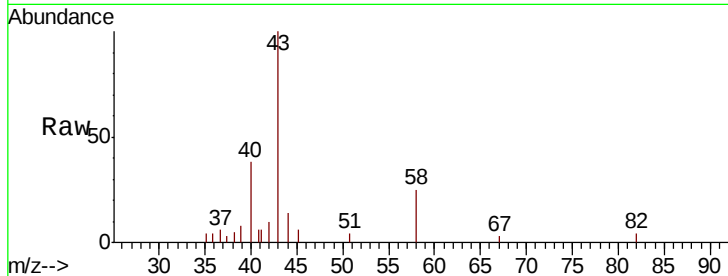
STORAGE-BLANK-WATER-REF-4

Tot Ion: 43 Resp: 3403

Ion Ratio Lower Upper

43 100

58 24.7 24.9 37.3#



#20

Methylene Chloride

Concen: 0.378 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Tgt Ion: 84 Resp: 888

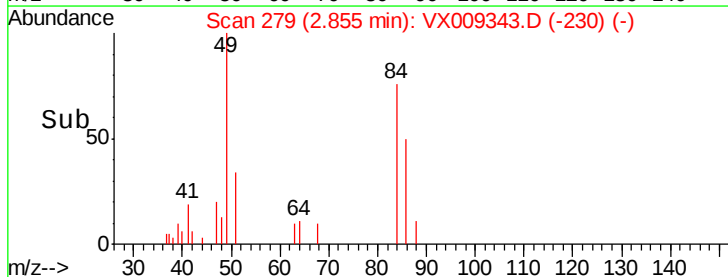
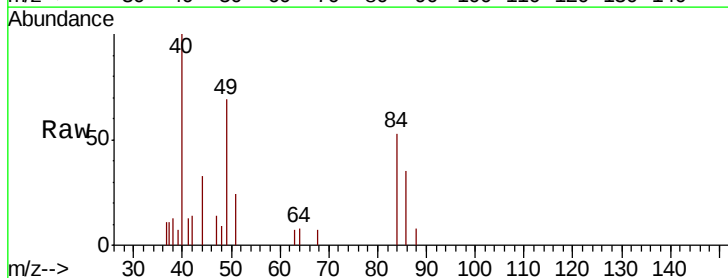
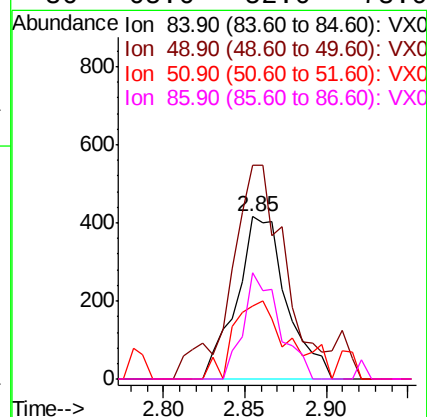
Ion Ratio Lower Upper

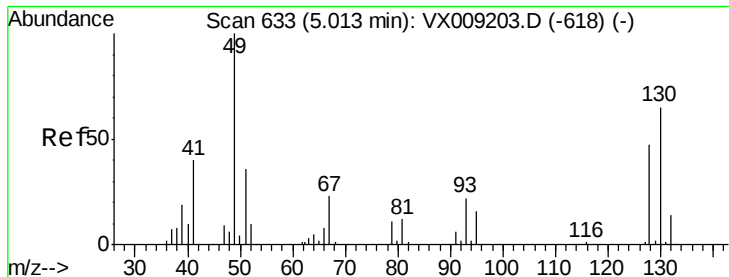
84 100

49 113.2 109.9 164.9

51 45.2 32.7 49.1

86 65.6 52.0 78.0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.02 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

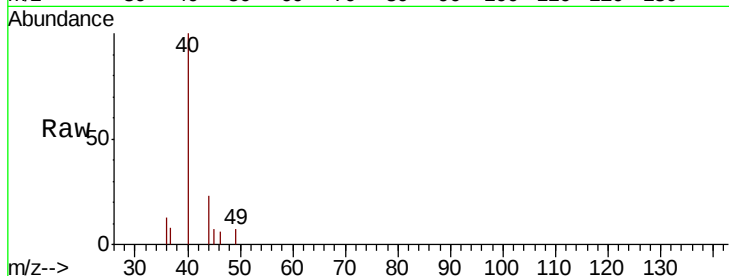
Tot Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

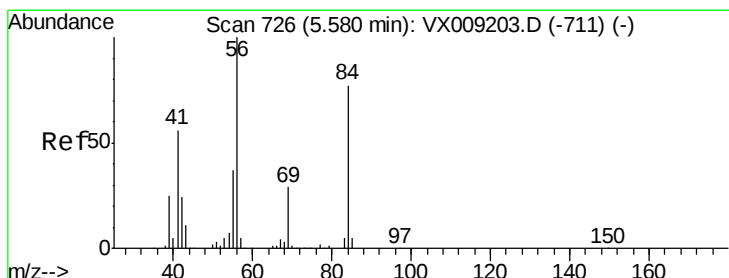
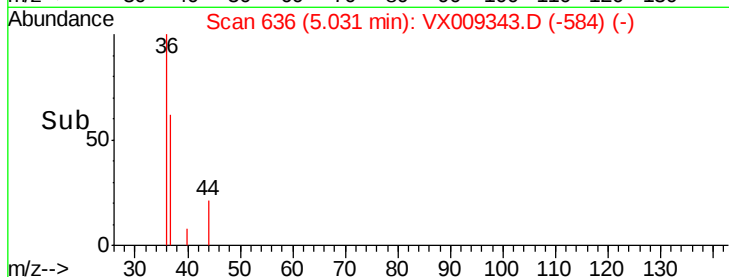
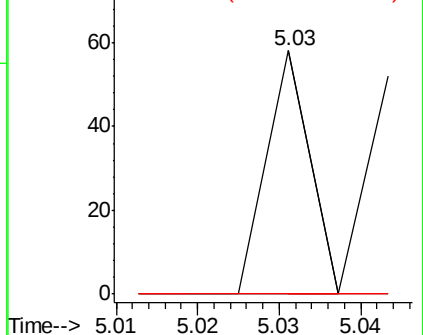
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

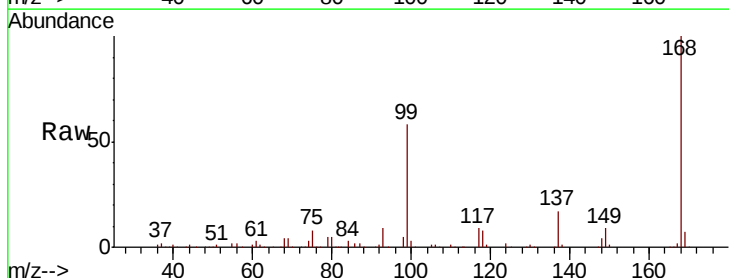
Tgt Ion: 56 Resp: 4239

Ion Ratio Lower Upper

56 100

69 168.4 23.4 35.0#

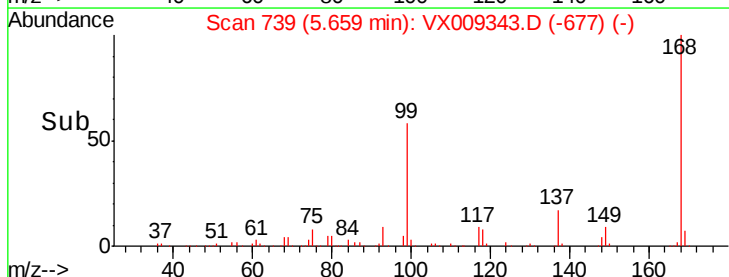
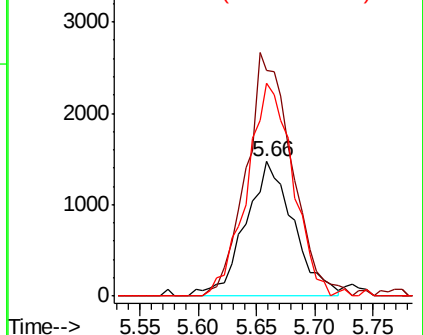
84 158.8 61.9 92.9#

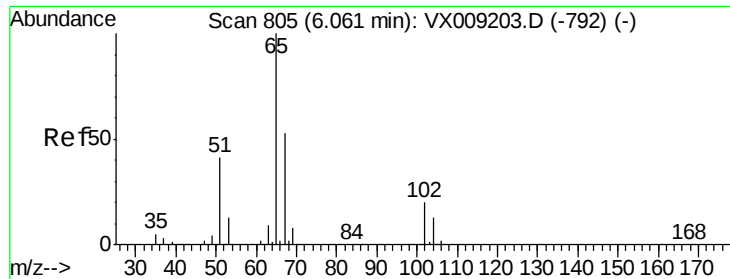


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.089 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

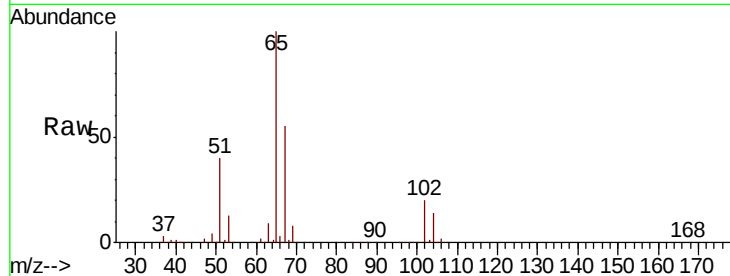
STORAGE-BLANK-WATER-REF-4

Tot Ion: 65 Resp: 127378

Ion Ratio Lower Upper

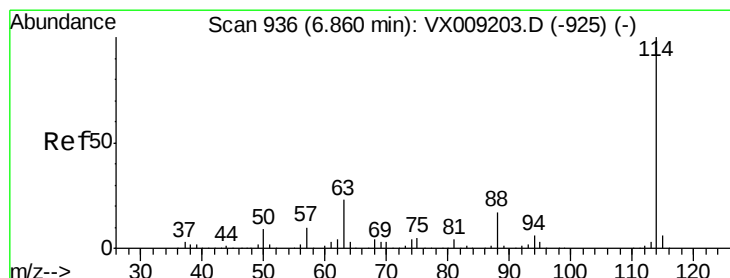
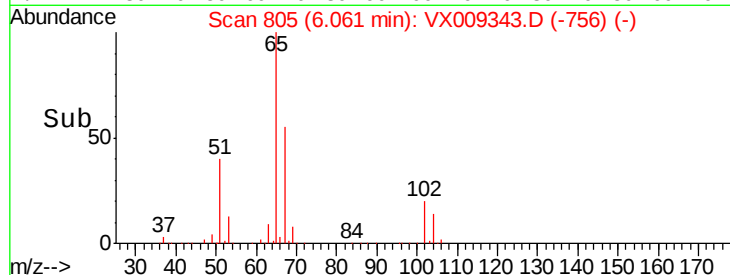
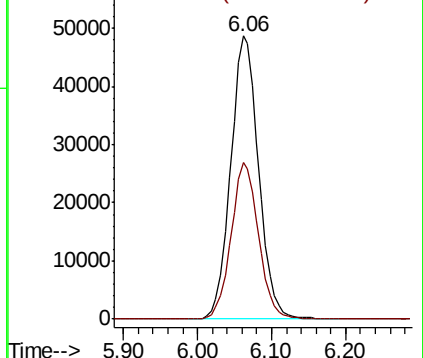
65 100

67 54.6 0.0 106.6



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

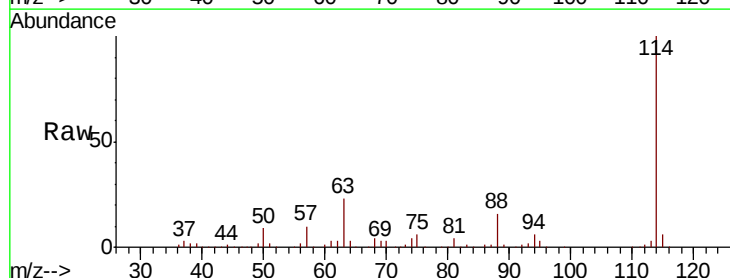
Tgt Ion: 114 Resp: 316074

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

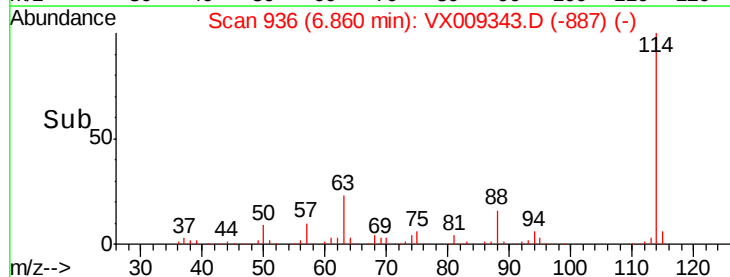
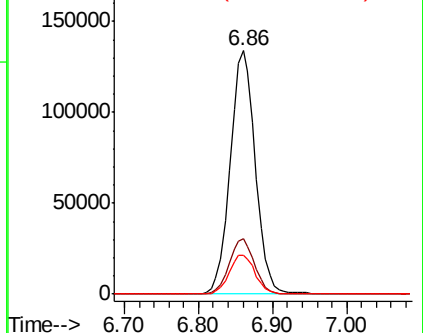
88 15.9 0.0 33.2

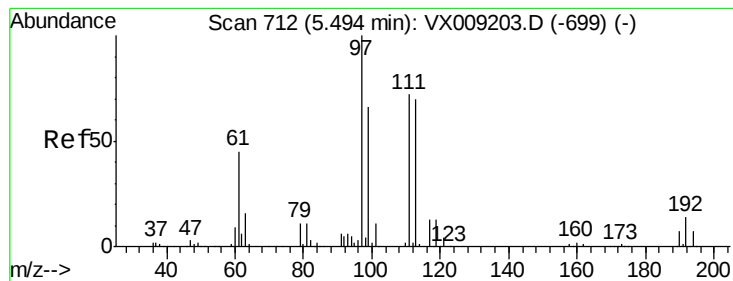


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.607 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

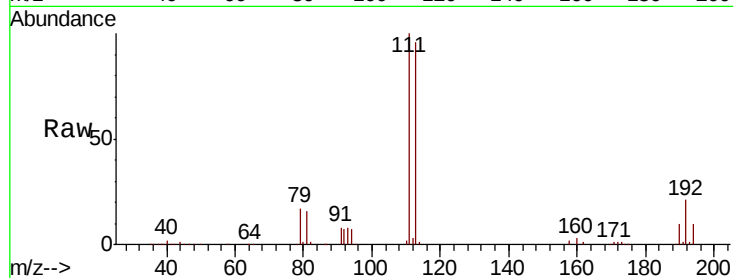
Tot Ion:113 Resp: 96580

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

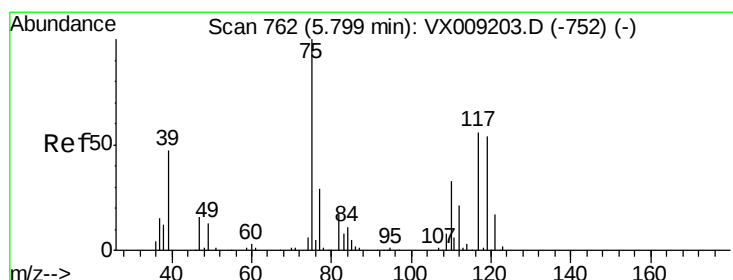
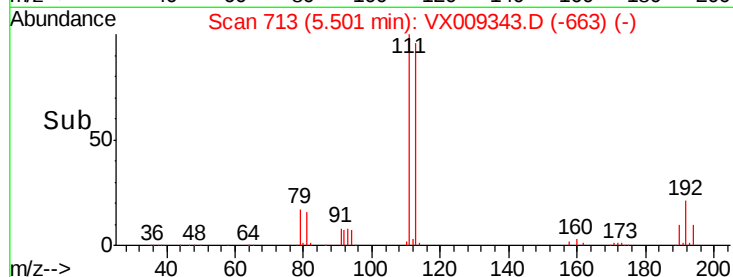
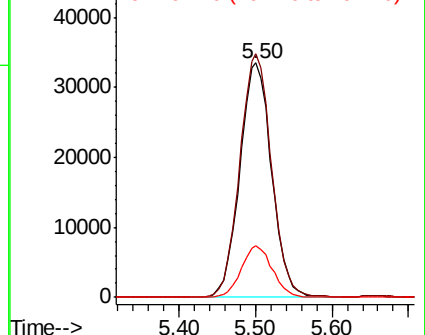
192 21.7 17.0 25.6



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: 5.036 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

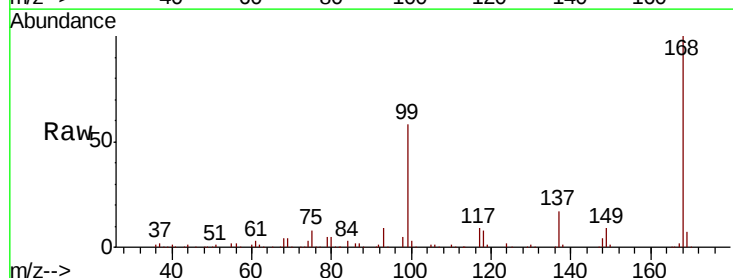
Tgt Ion: 75 Resp: 14793

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.6#

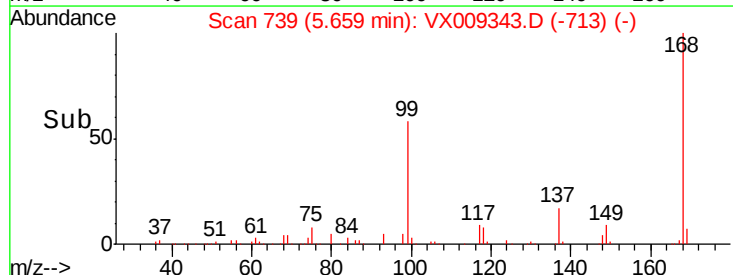
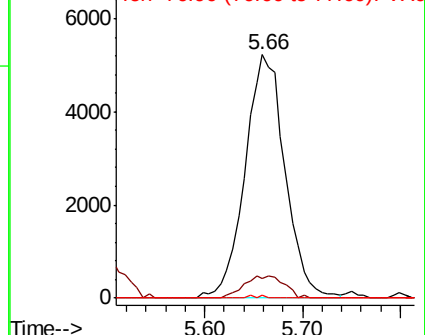
77 0.3 24.8 37.2#

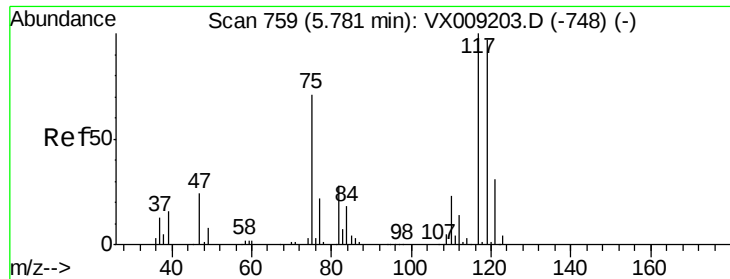


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.695 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

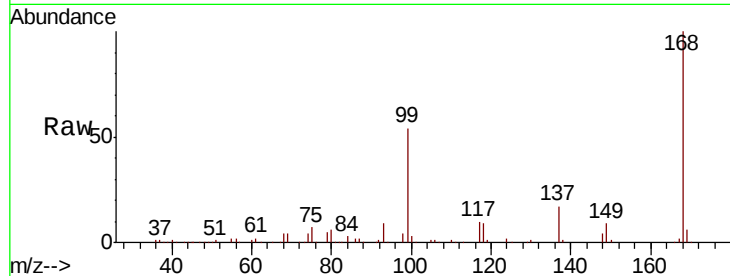
Tot Ion:117 Resp: 17868

Ion Ratio Lower Upper

117 100

119 5.7 77.5 116.3#

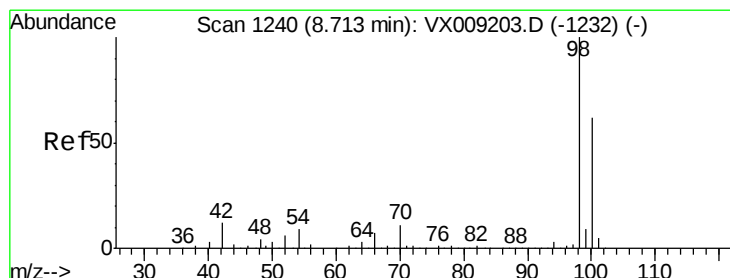
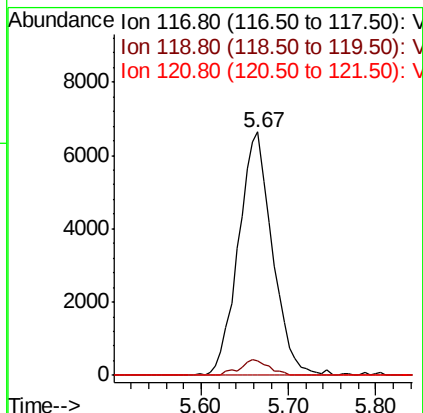
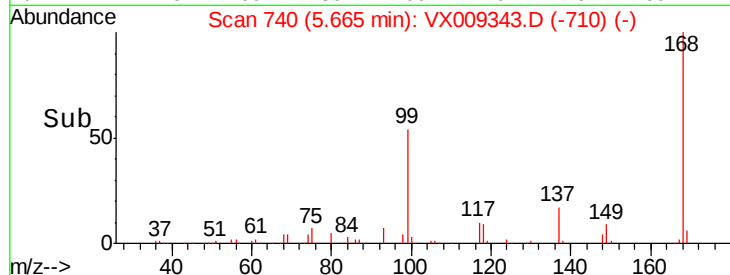
121 0.0 24.7 37.1#



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: 48.779 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009343.D

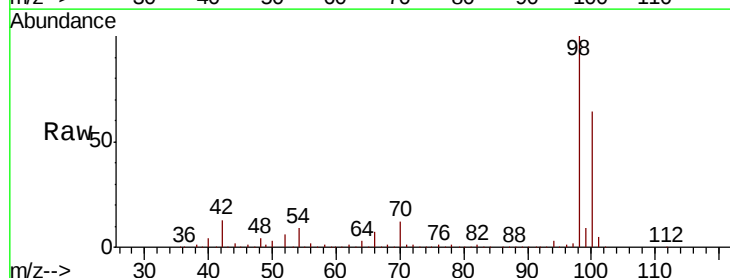
Acq: 06 May 2019 12:21

Tgt Ion: 98 Resp: 391302

Ion Ratio Lower Upper

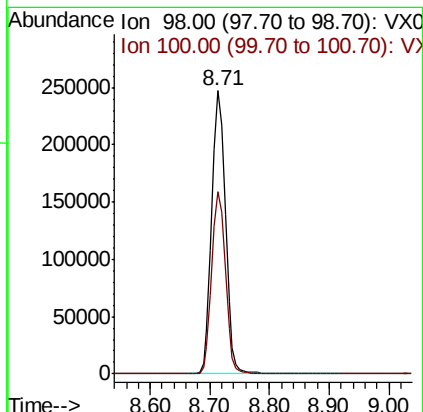
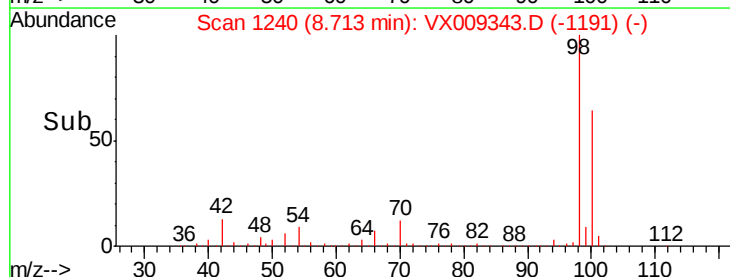
98 100

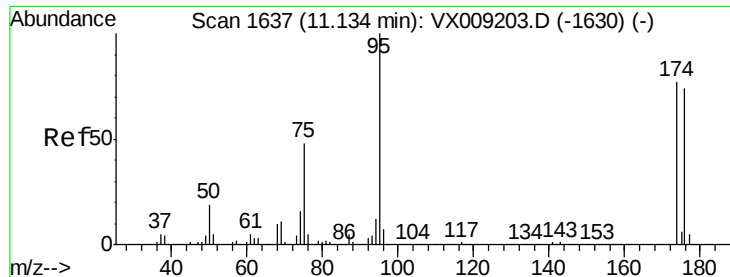
100 64.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.100 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

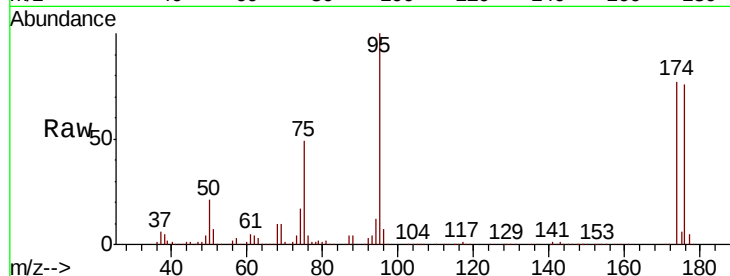
Tot Ion: 95 Resp: 128546

Ion Ratio Lower Upper

95 100

174 81.2 0.0 161.6

176 78.8 0.0 159.2

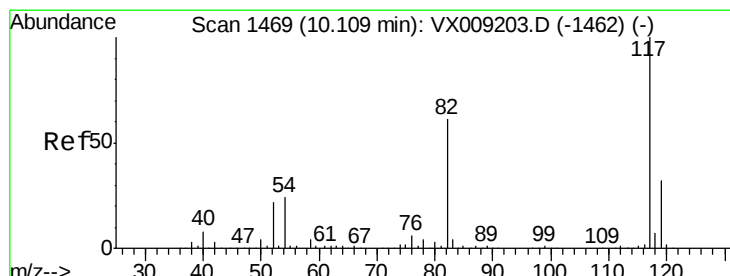
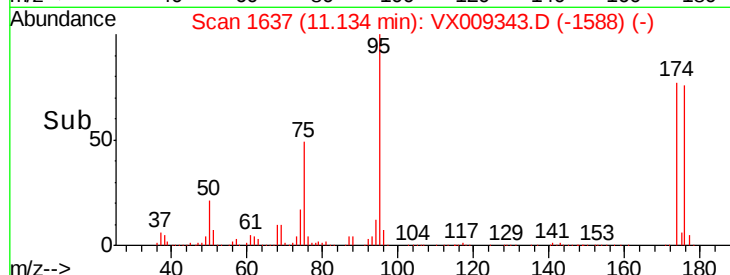


Abundance Ion 94.90 (94.60 to 95.60): VX009343.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009343.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009343.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

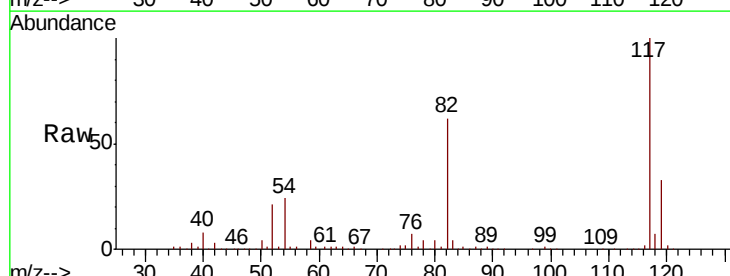
Tgt Ion: 117 Resp: 271054

Ion Ratio Lower Upper

117 100

82 61.6 48.8 73.2

119 32.5 25.8 38.6

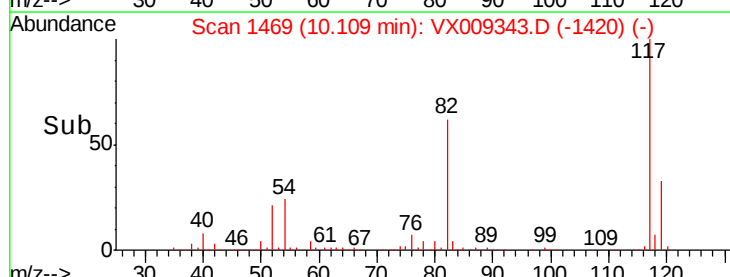


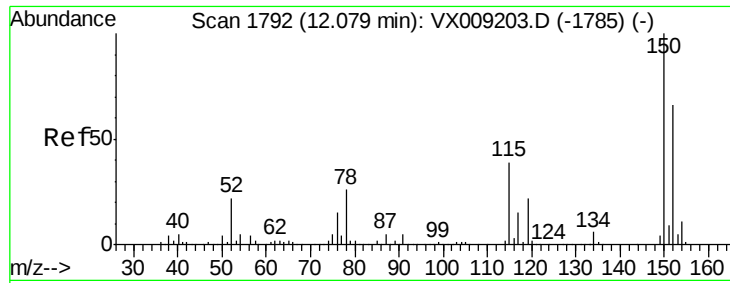
Abundance Ion 116.90 (116.60 to 117.60): VX009343.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009343.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009343.D (-1420) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

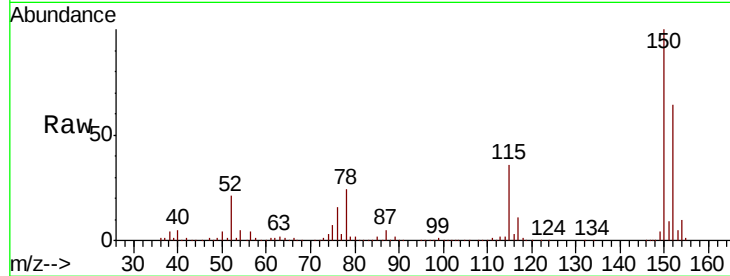
Tot Ion:152 Resp: 112930

Ion Ratio Lower Upper

152 100

115 58.3 41.2 123.6

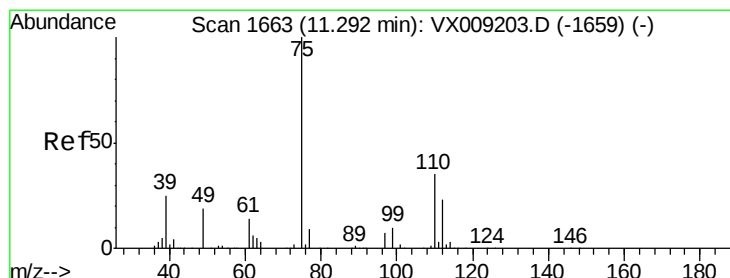
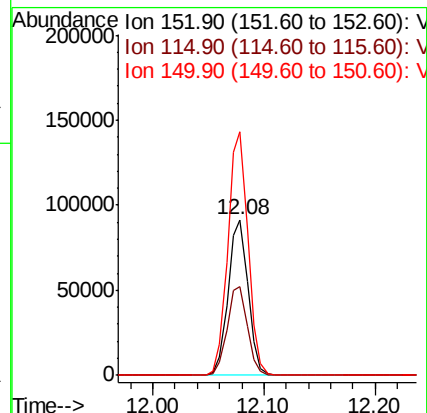
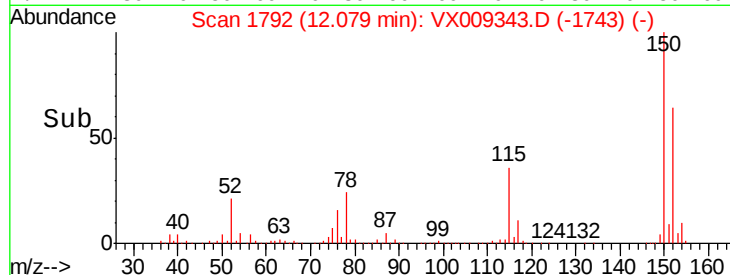
150 158.0 0.0 346.4



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: 24.612 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009343.D

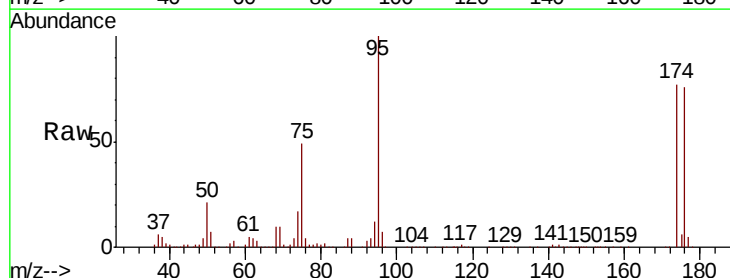
Acq: 06 May 2019 12:21

Tgt Ion: 75 Resp: 64474

Ion Ratio Lower Upper

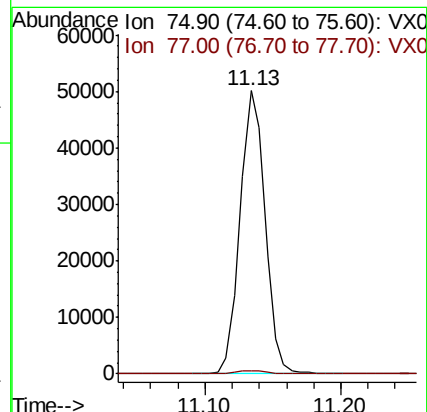
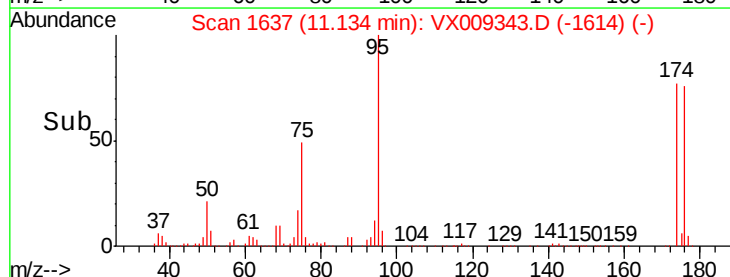
75 100

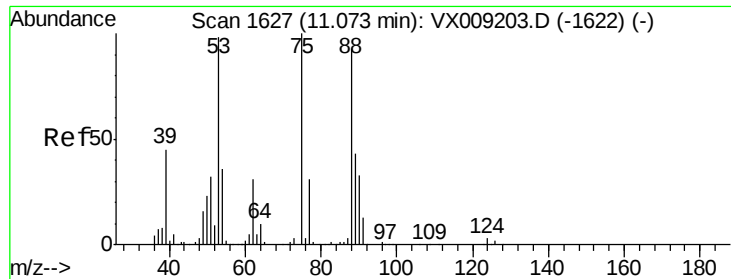
77 1.4 22.1 66.1#



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: 62.974 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009343.D

Acq: 06 May 2019 12:21

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

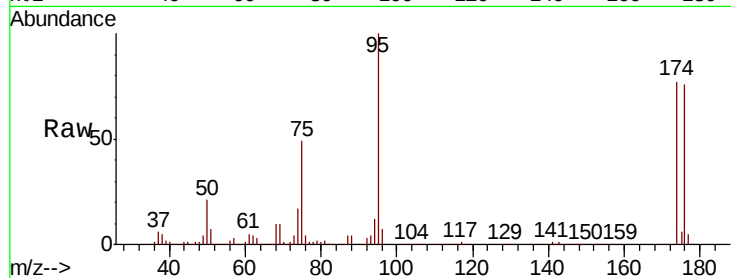
Tot Ion: 75 Resp: 64474

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

