

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009344.D
 Acq On : 06 May 2019 12:44
 Operator : JC/SP
 Sample : K2685-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: May 07 06:34:39 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	201280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115857	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	130021	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
35) Dibromofluoromethane	5.50	113	98205	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	400788	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	129870	43.83	ug/l	0.00
Spiked Amount			Recovery	=	87.66%	

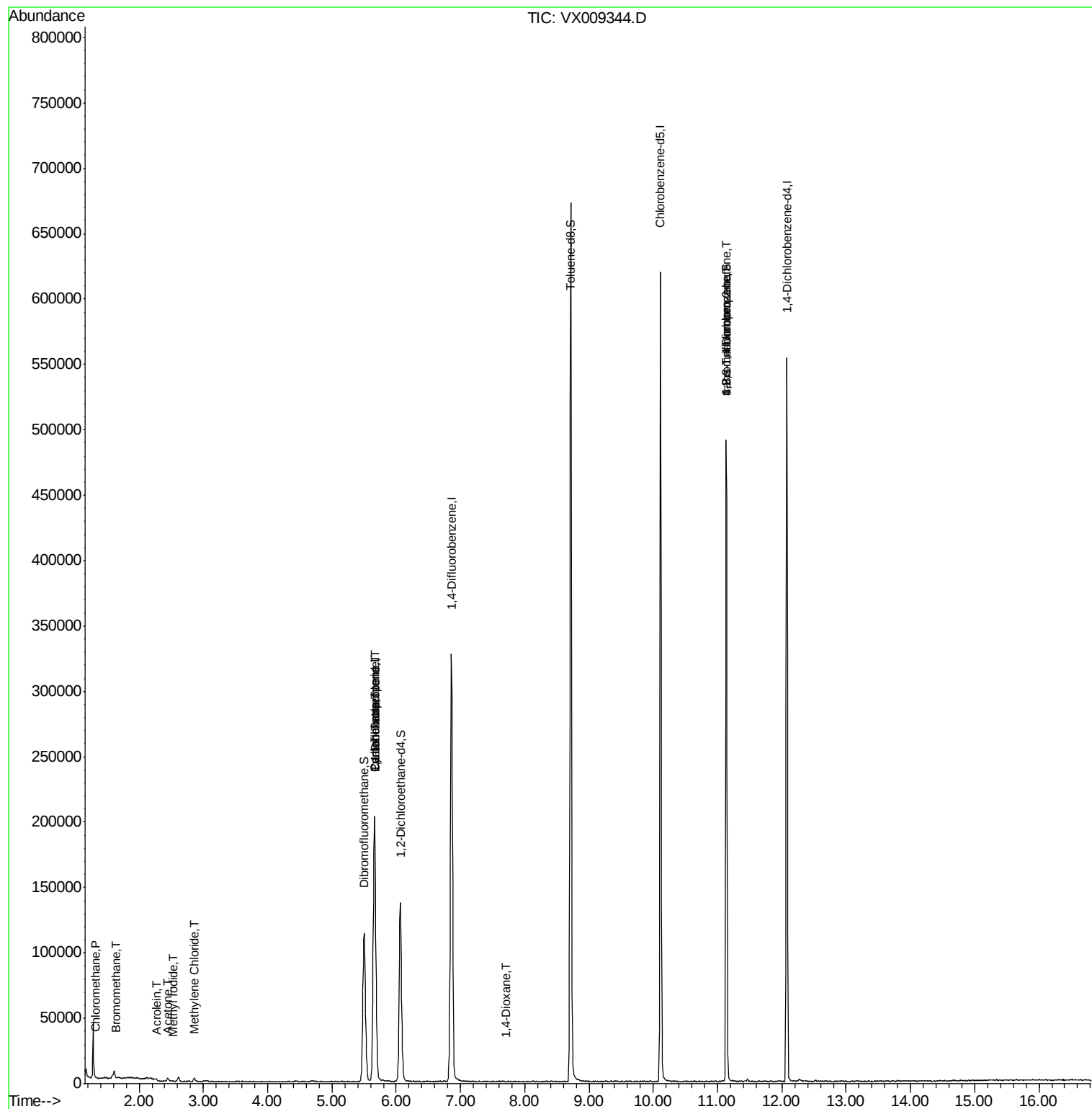
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	661	0.261	ug/l #	88
5) Bromomethane	1.64	94	337	0.227	ug/l #	64
10) Methyl Iodide	2.53	142	157	4.659	ug/l #	75
13) Acrolein	2.28	56	132	0.229	ug/l	88
16) Acetone	2.44	43	3050	2.067	ug/l	100
20) Methylene Chloride	2.86	84	1197	0.501	ug/l #	87
28) Bromochloromethane	5.05	49	61	Below Cal	#	20
31) Cyclohexane	5.67	56	4308	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15326	5.133	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18675	6.885	ug/l #	16
49) 1,4-Dioxane	7.71	88	24	0.358	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65747	24.464	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65747	62.595	ug/l #	10

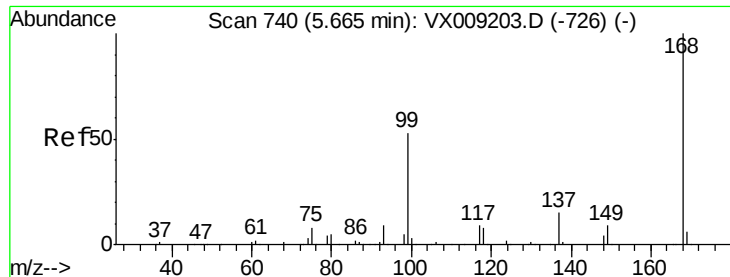
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 07 06:34:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

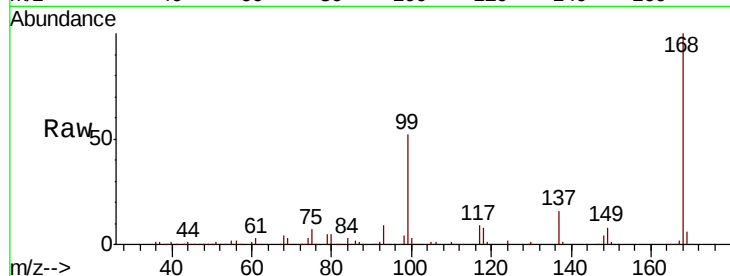
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 201280

Ion Ratio Lower Upper

168 100

99 52.3 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

80000

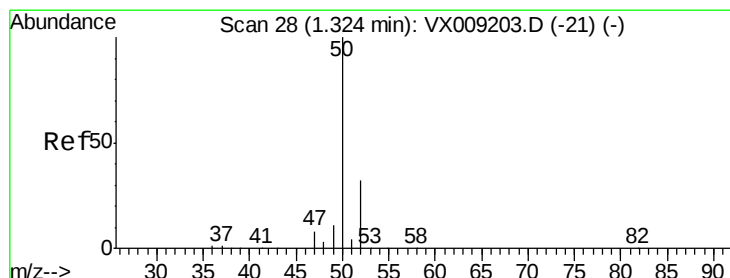
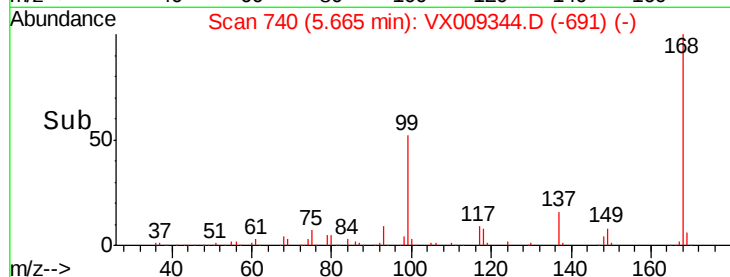
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.261 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009344.D

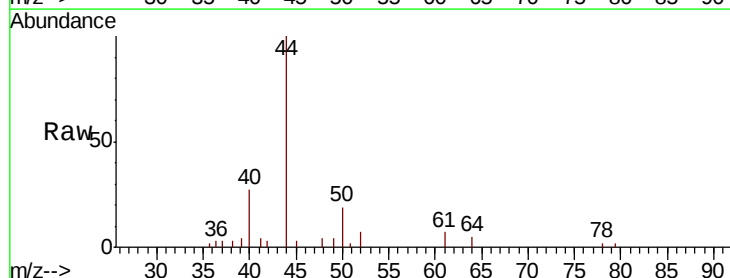
Acq: 06 May 2019 12:44

Tgt Ion: 50 Resp: 661

Ion Ratio Lower Upper

50 100

52 25.4 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

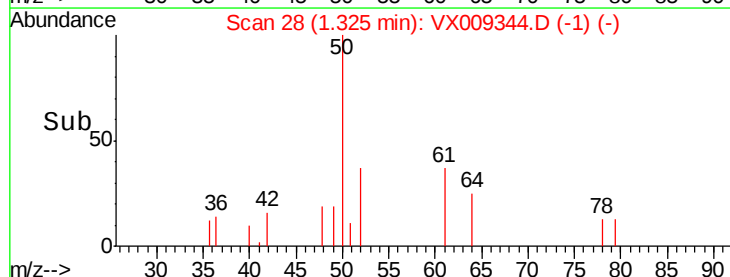
300

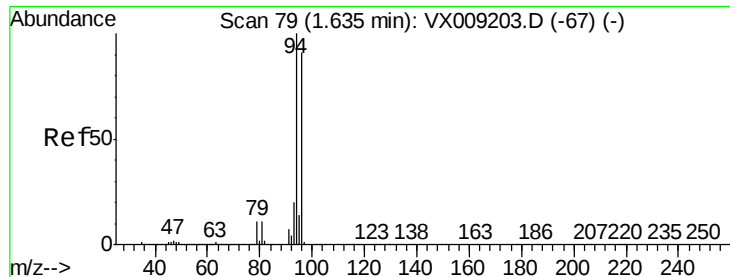
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.227 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

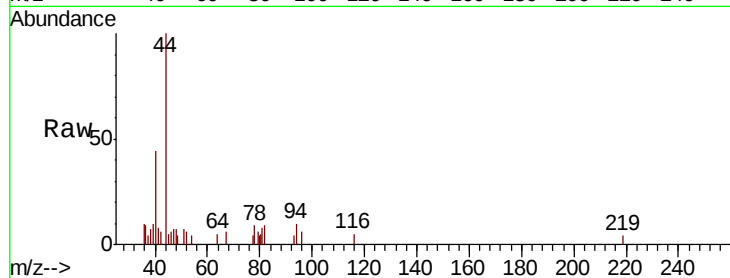
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 56.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

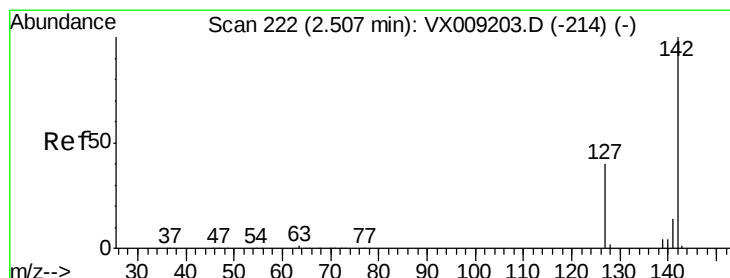
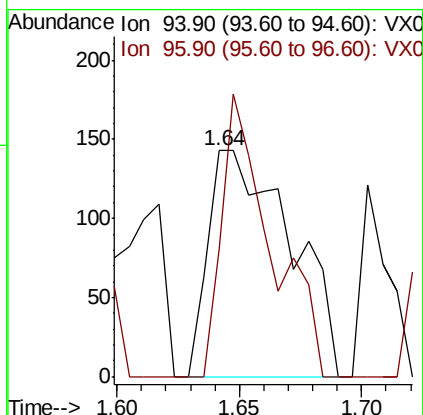
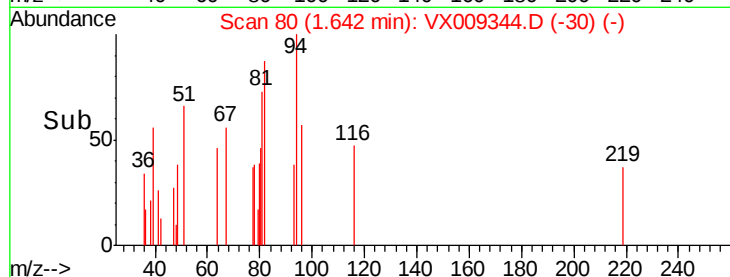
Ion 95.90 (95.60 to 96.60): VX0

1.64

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 4.659 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

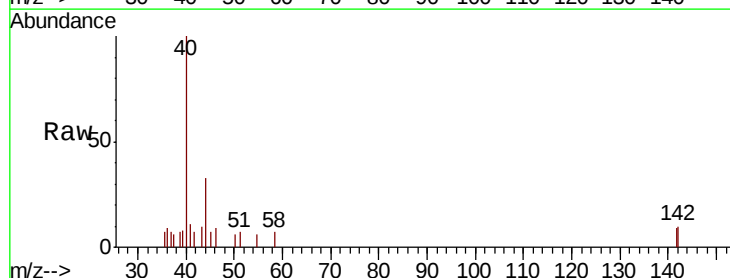
Tgt Ion: 142 Resp: 157

Ion Ratio Lower Upper

142 100

127 27.4 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

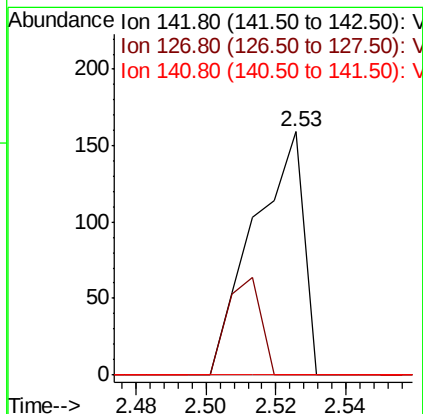
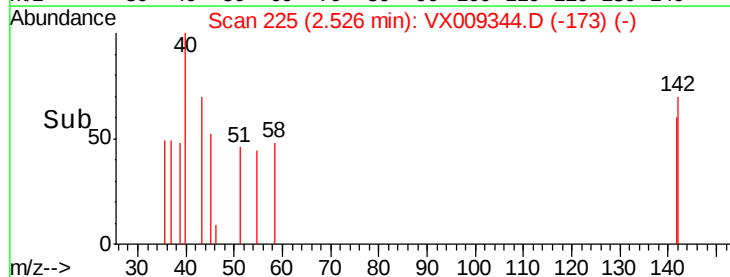
2.53

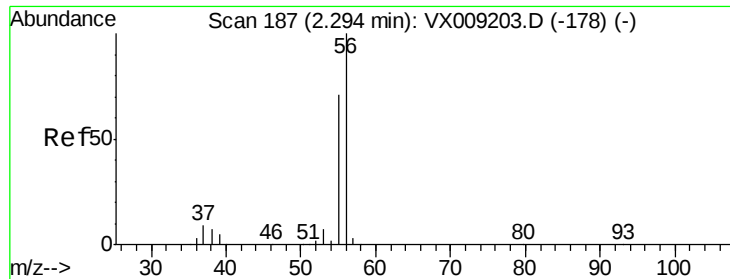
2.50

2.52

2.54

Time-->





#13

Acrolein

Concen: 0.229 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

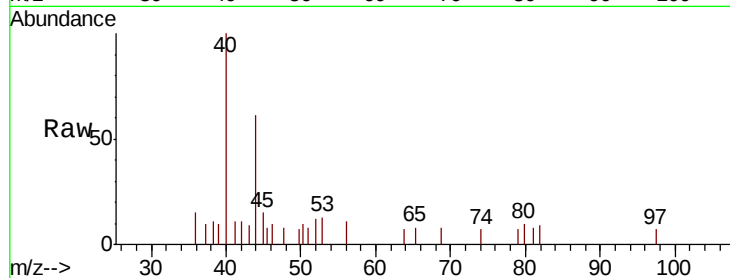
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 132

Ion Ratio Lower Upper

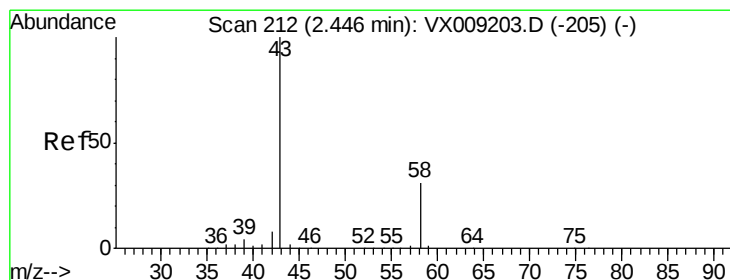
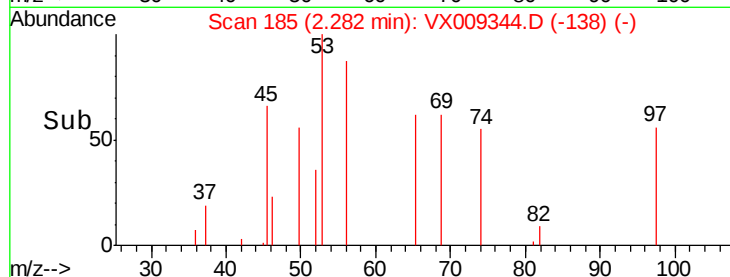
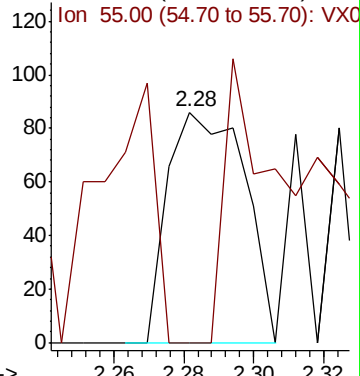
56 100

55 80.3 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.067 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009344.D

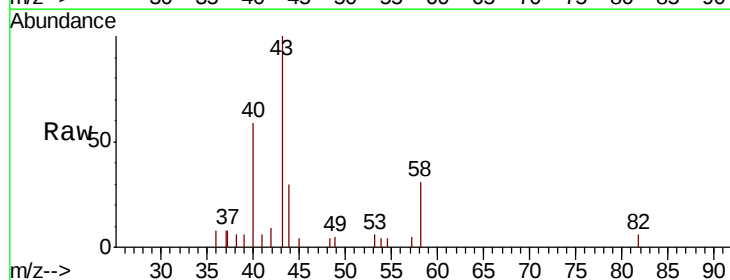
Acq: 06 May 2019 12:44

Tgt Ion: 43 Resp: 3050

Ion Ratio Lower Upper

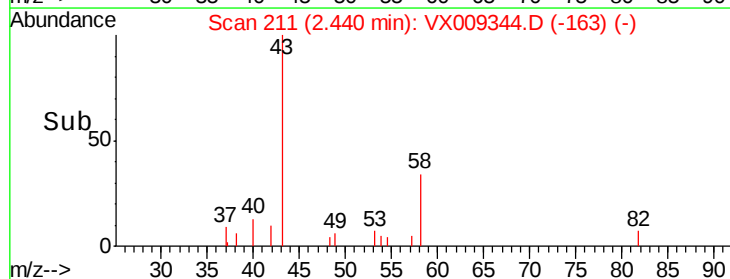
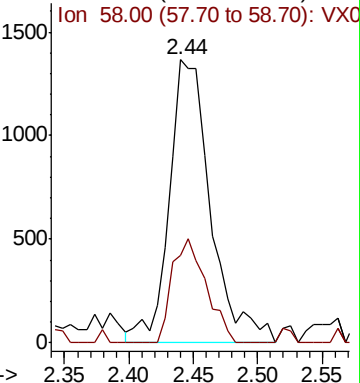
43 100

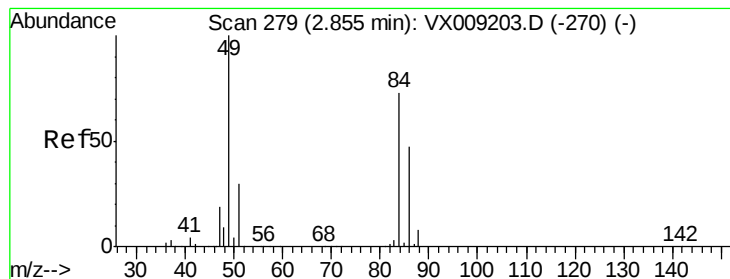
58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.501 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 84 Resp: 1197

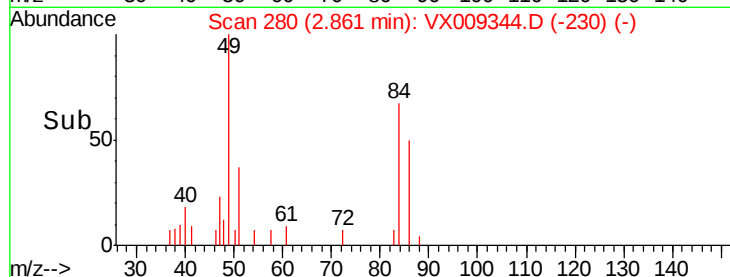
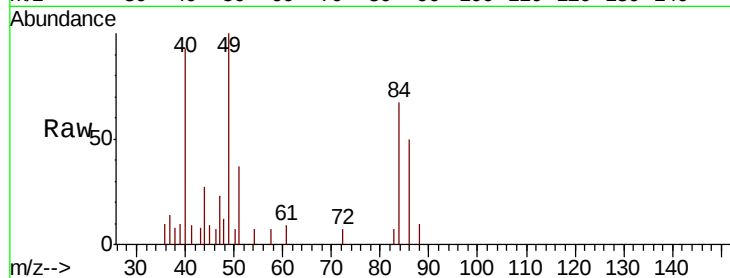
Ion Ratio Lower Upper

84 100

49 149.6 109.9 164.9

51 55.7 32.7 49.1#

86 75.2 52.0 78.0

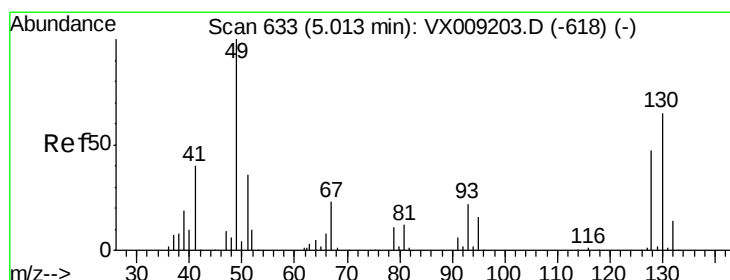
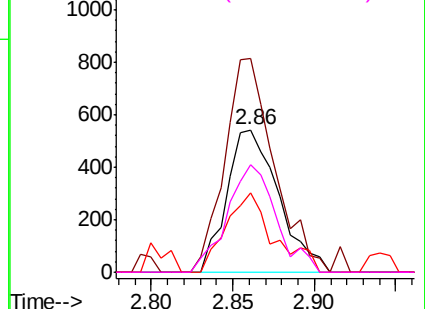


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.04 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

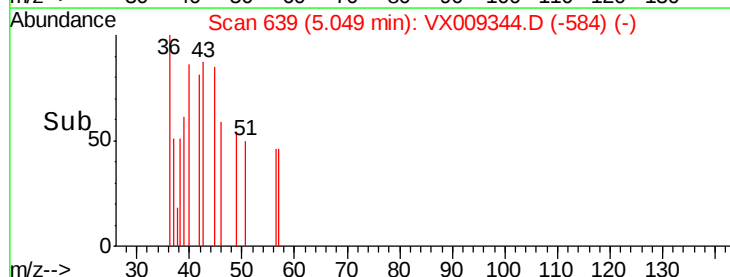
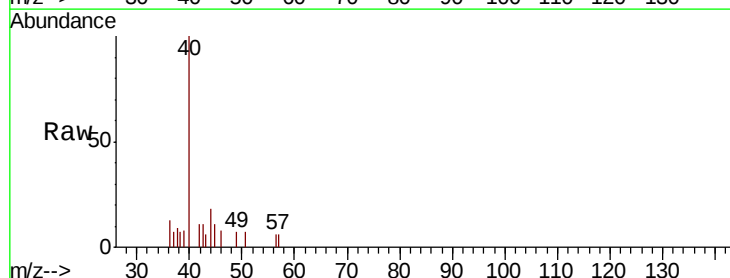
Tgt Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

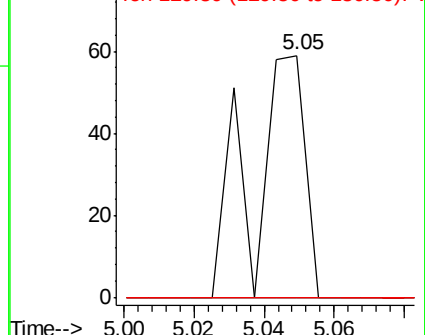
130 0.0 51.2 76.8#

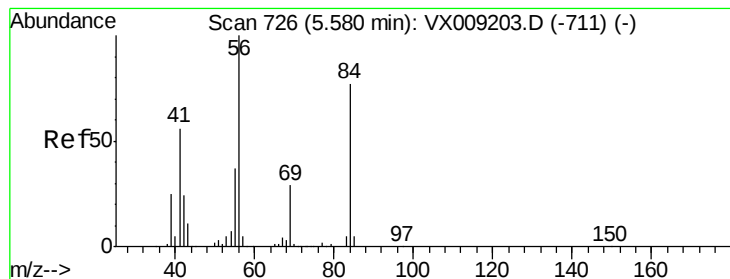


Abundance Ion 48.90 (48.60 to 49.60): VX0

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: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

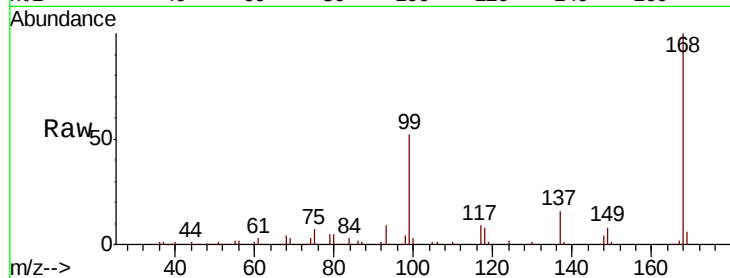
Tot Ion: 56 Resp: 4308

Ion Ratio Lower Upper

56 100

69 153.0 23.4 35.0#

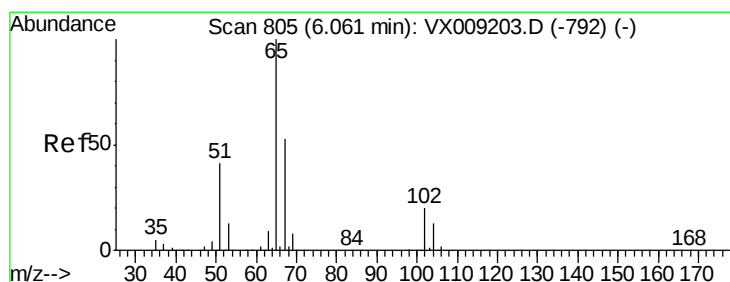
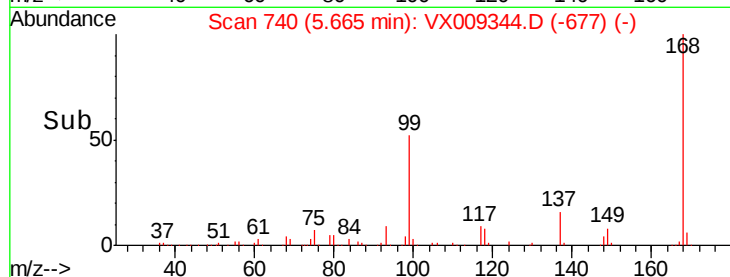
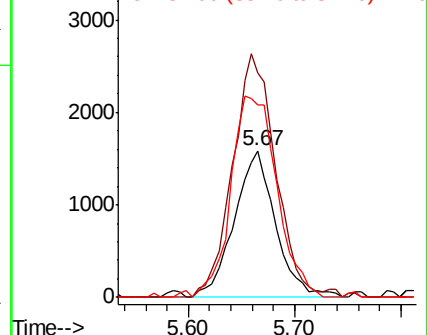
84 131.4 61.9 92.9#



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: 47.320 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009344.D

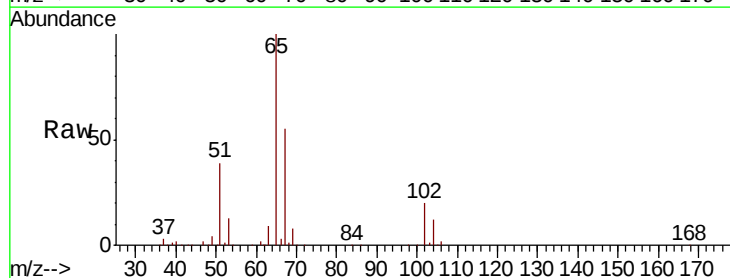
Acq: 06 May 2019 12:44

Tgt Ion: 65 Resp: 130021

Ion Ratio Lower Upper

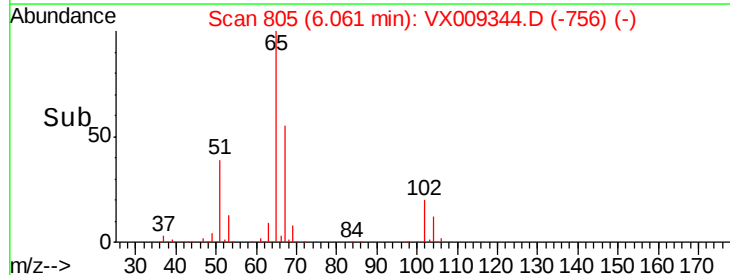
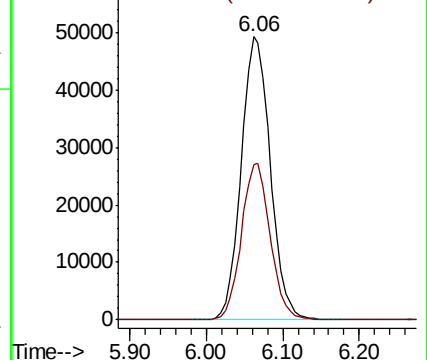
65 100

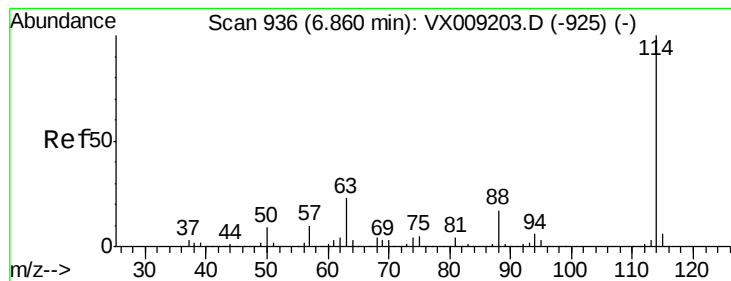
67 54.5 0.0 106.6



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: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

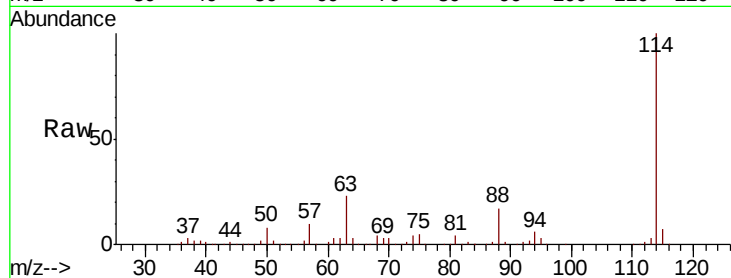
Tot Ion:114 Resp: 321269

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

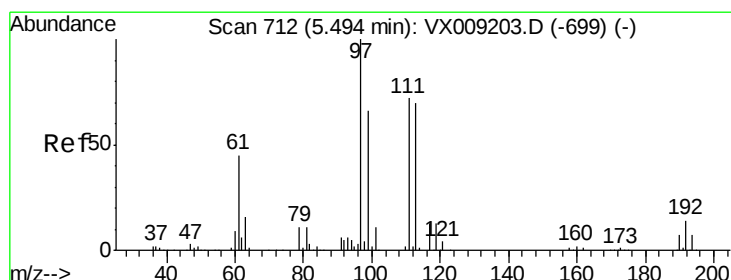
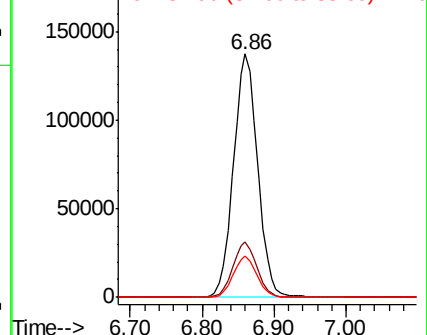
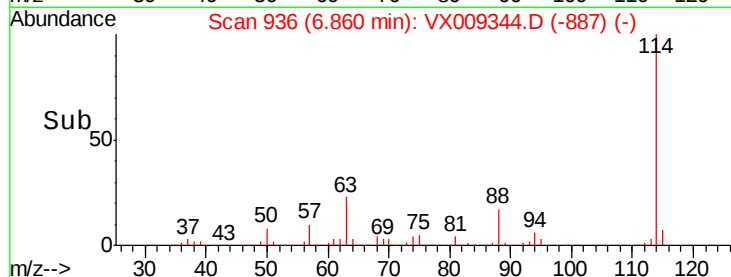
88 17.0 0.0 33.2



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: 48.625 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

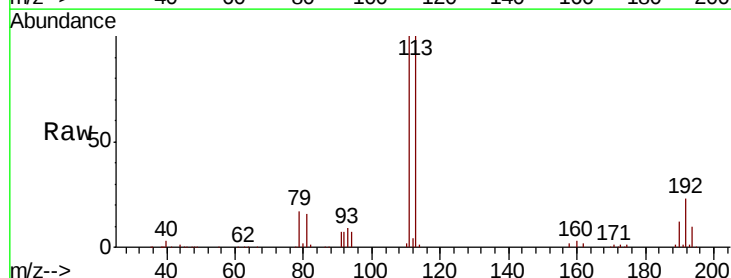
Tgt Ion:113 Resp: 98205

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

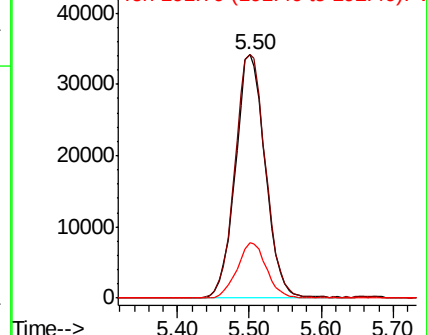
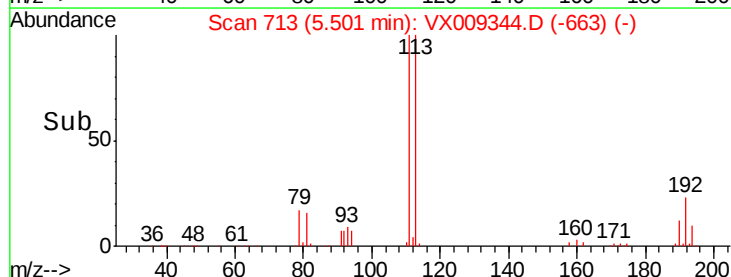
192 22.3 17.0 25.6

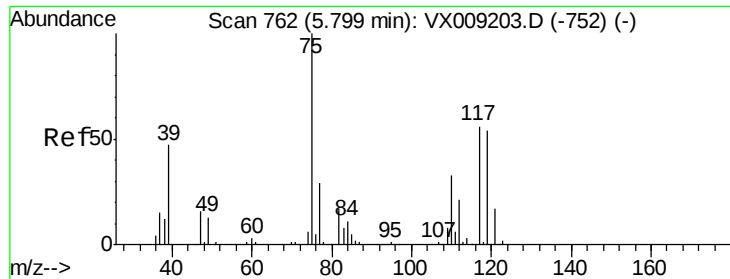


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

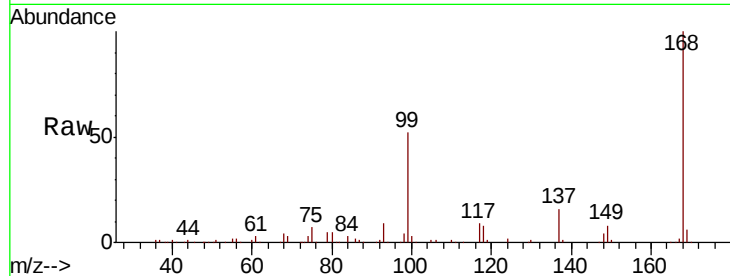
Tot Ion: 75 Resp: 15326

Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.6#

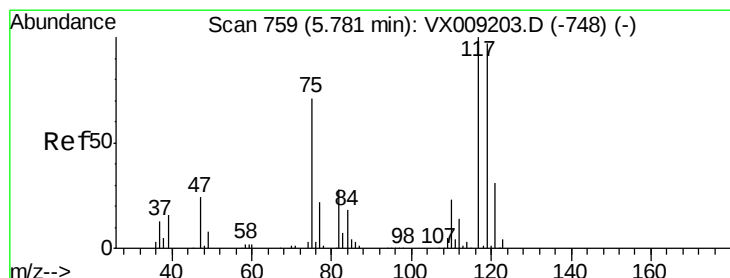
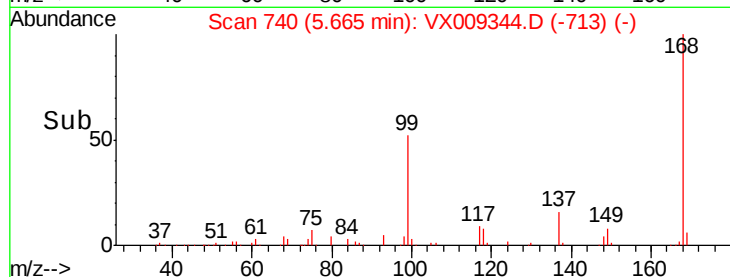
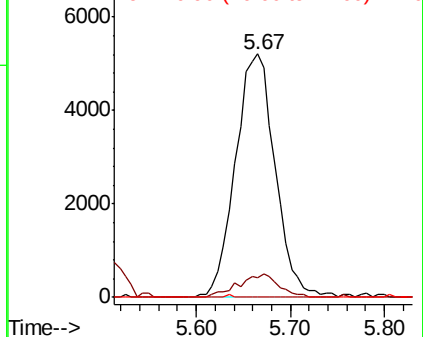
77 0.0 24.8 37.2#



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: 6.885 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

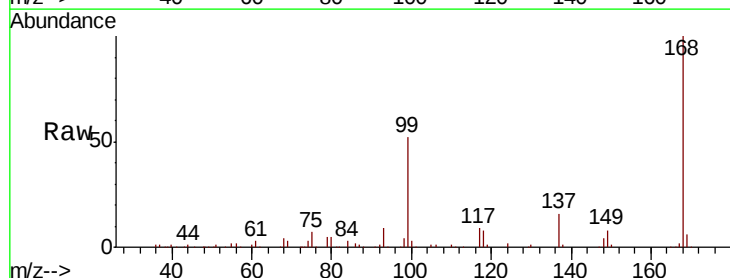
Tgt Ion: 117 Resp: 18675

Ion Ratio Lower Upper

117 100

119 5.4 77.5 116.3#

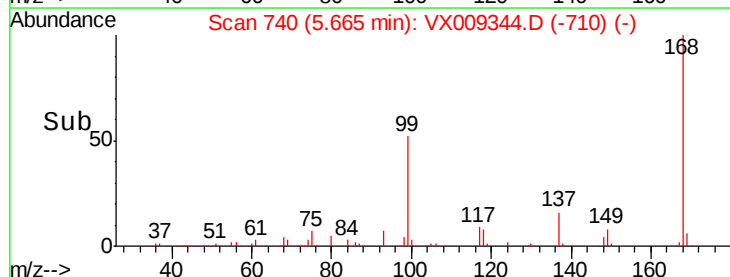
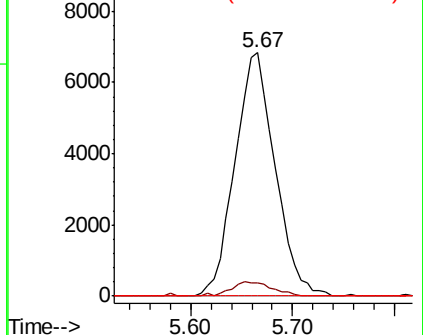
121 0.0 24.7 37.1#

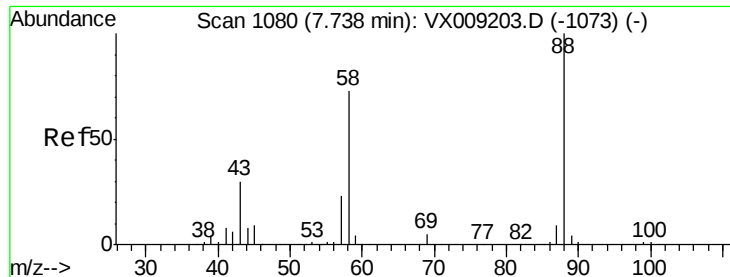


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

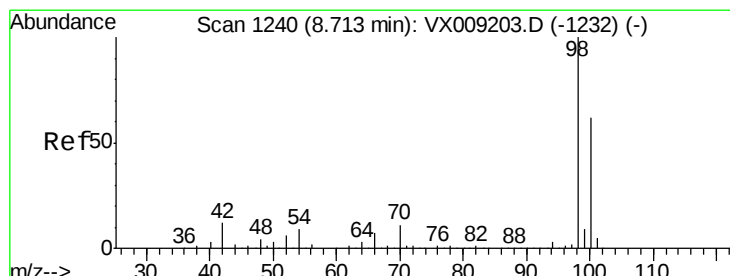
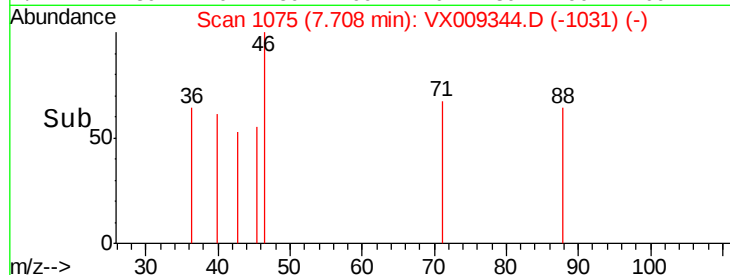
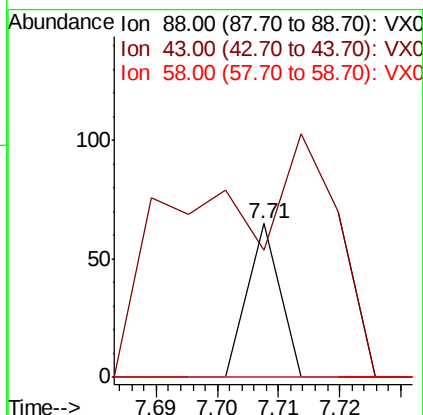
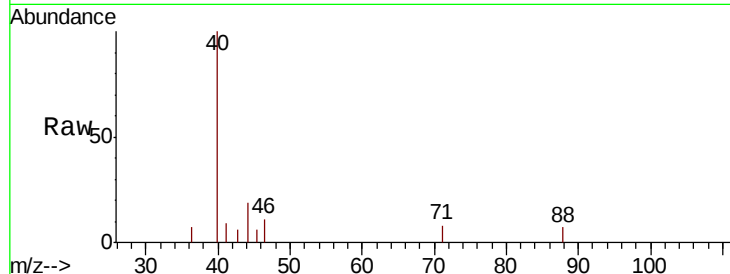




#49
 1,4-Dioxane
 Concen: 0.358 ug/l
 RT: 7.71 min Scan# 1075
 Delta R.T. -0.03 min
 Lab File: VX009344.D
 Acq: 06 May 2019 12:44

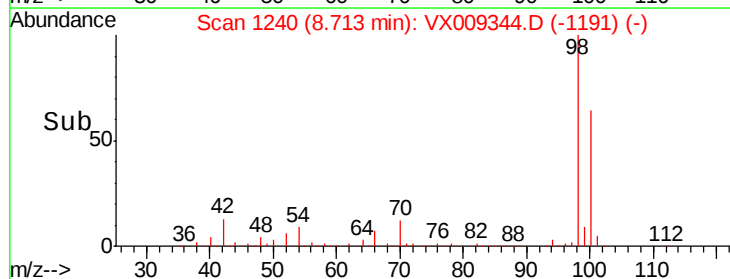
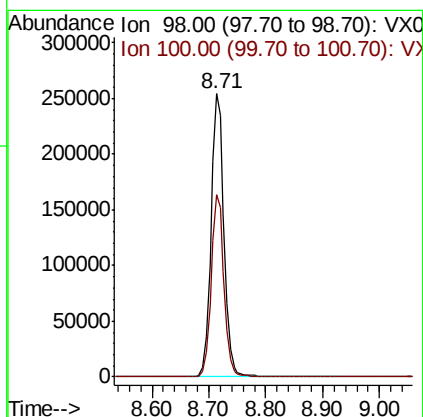
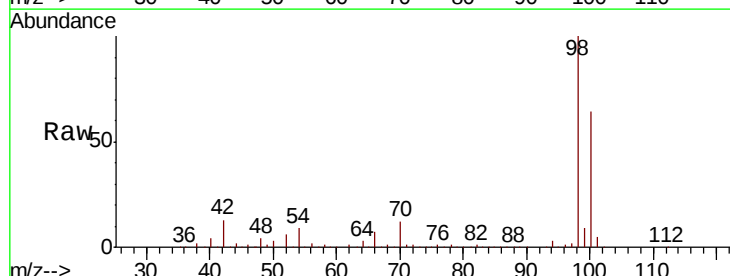
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

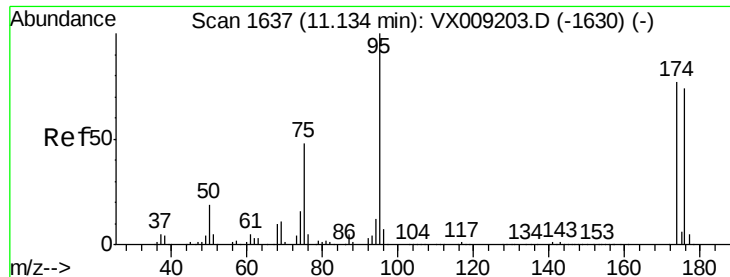
Tot Ion: 88 Resp: 24
 Ion Ratio Lower Upper
 88 100
 43 687.5 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.154 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009344.D
 Acq: 06 May 2019 12:44

Tgt Ion: 98 Resp: 400788
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 43.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

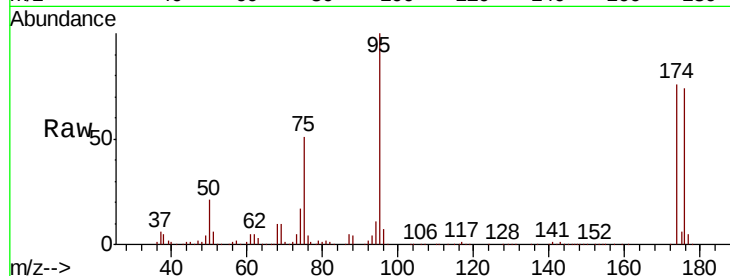
Tot Ion: 95 Resp: 129870

Ion Ratio Lower Upper

95 100

174 82.0 0.0 161.6

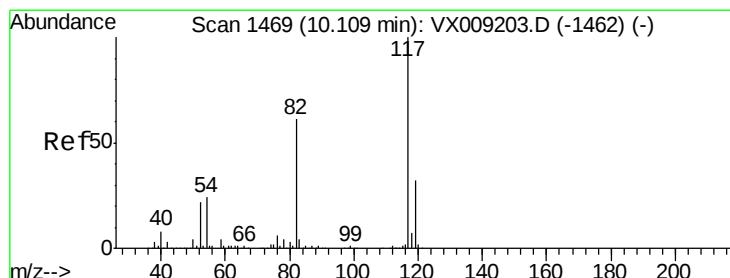
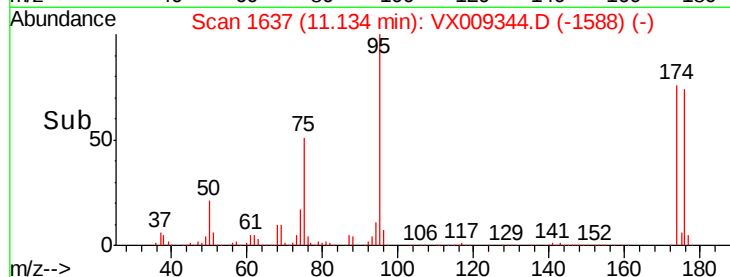
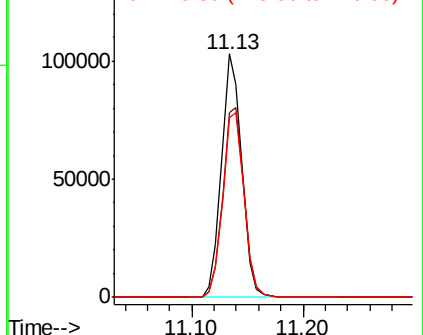
176 79.5 0.0 159.2



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

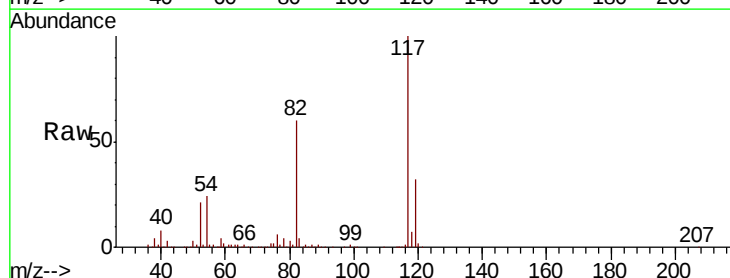
Tgt Ion: 117 Resp: 277945

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

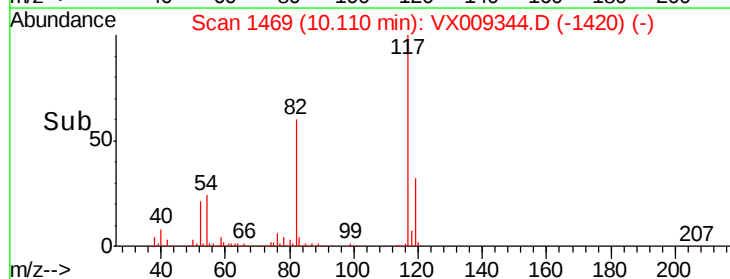
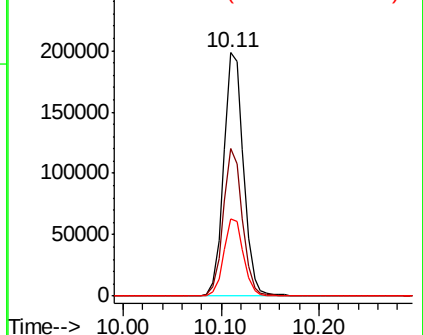
119 31.7 25.8 38.6

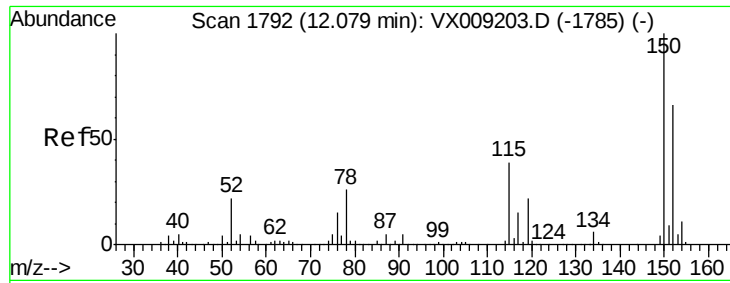


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

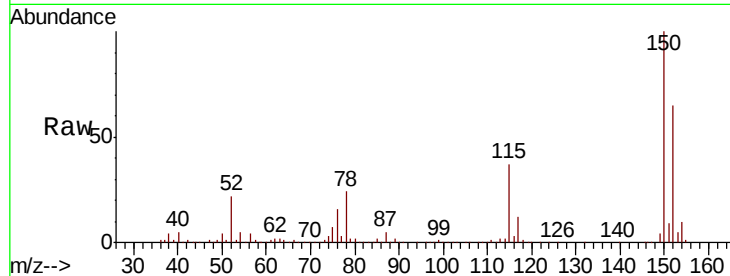
Tot Ion:152 Resp: 115857

Ion Ratio Lower Upper

152 100

115 57.8 41.2 123.6

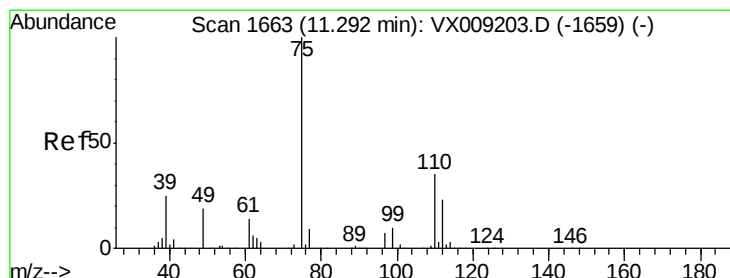
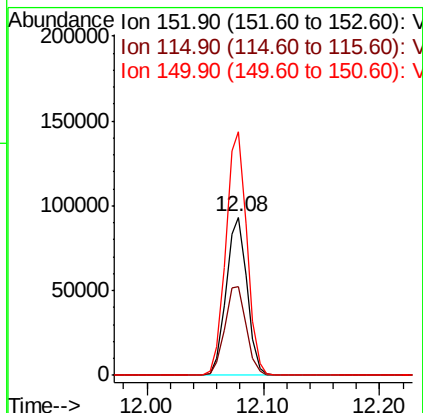
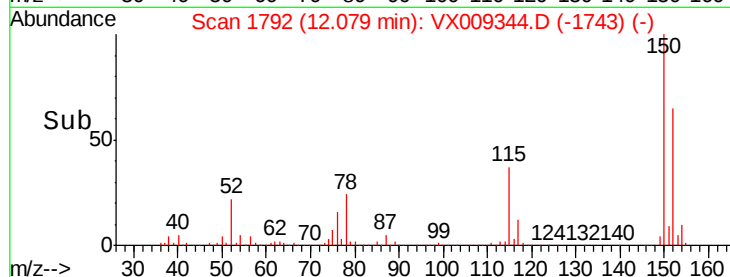
150 155.3 0.0 346.4



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: 24.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009344.D

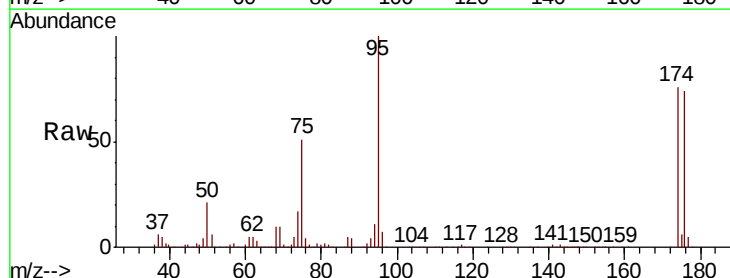
Acq: 06 May 2019 12:44

Tgt Ion: 75 Resp: 65747

Ion Ratio Lower Upper

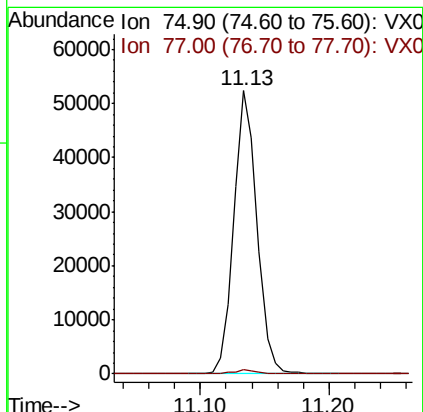
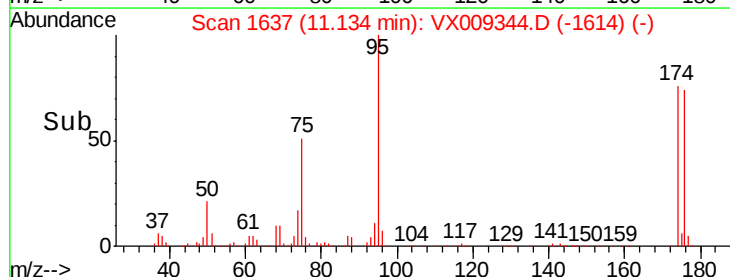
75 100

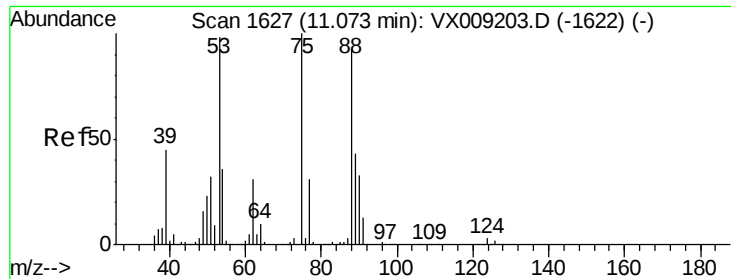
77 1.4 22.1 66.1#



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: 62.595 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009344.D

Acq: 06 May 2019 12:44

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 65747

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

