

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\
 Data File : VX006249.D
 Acq On : 03 Dec 2018 13:24
 Operator : JC/MD
 Sample : J6153-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Dec 04 04:55:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	935606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1383165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1259790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	620607	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	450114	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	5.51	113	440282	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	8.71	98	1608399	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	596115	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

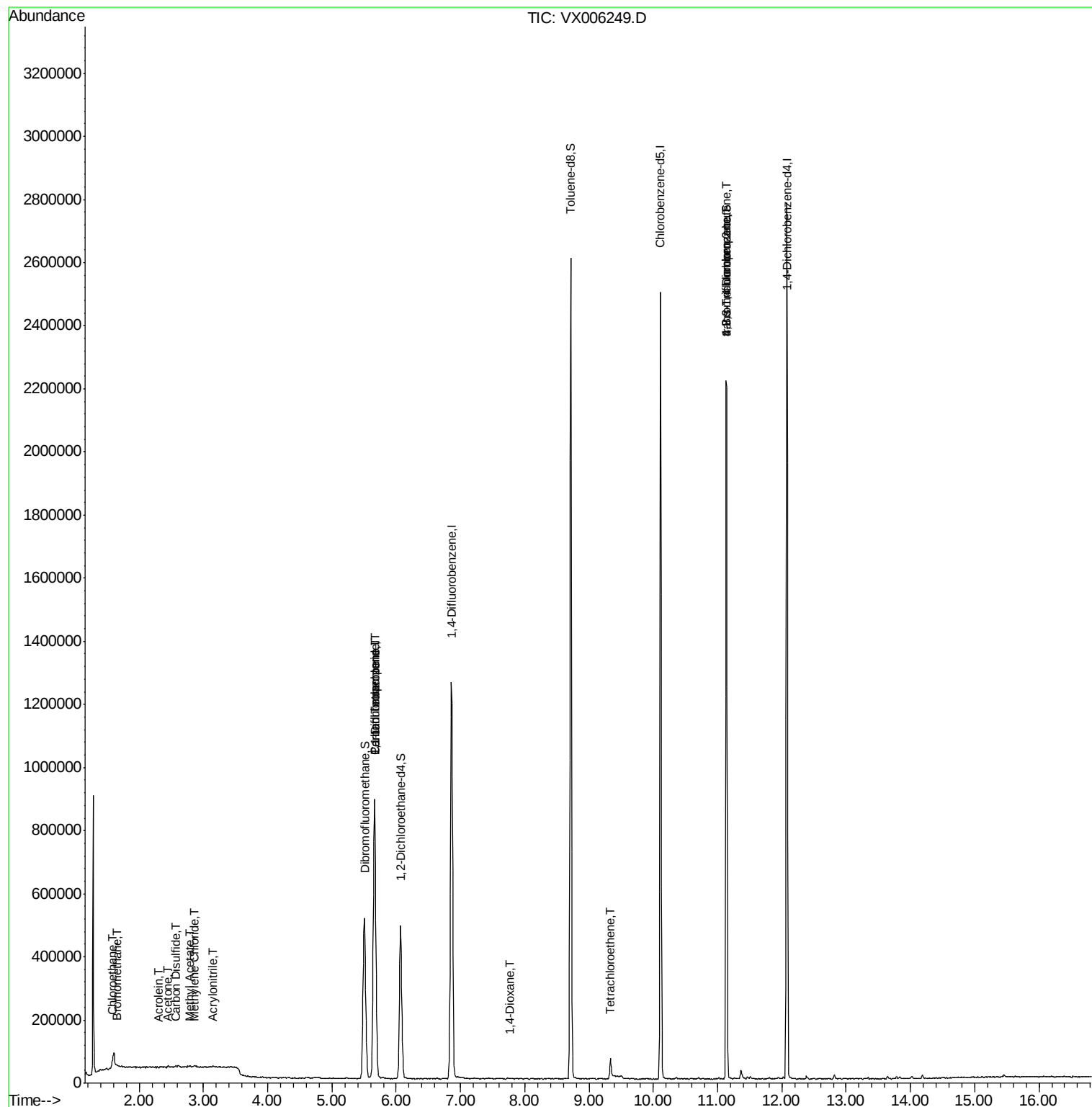
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1418	0.202	ug/l #	75
6) Chloroethane	1.58	64	8165	1.314	ug/l #	61
13) Acrolein	2.30	56	711	0.498	ug/l #	67
15) Acrylonitrile	3.15	53	1725	0.316	ug/l #	64
16) Acetone	2.45	43	3117	0.695	ug/l #	86
17) Carbon Disulfide	2.57	76	5811	0.223	ug/l	99
18) Methyl Acetate	2.78	43	5738	0.383	ug/l	93
20) Methylene Chloride	2.87	84	2081	0.218	ug/l #	81
36) 1,1-Dichloropropene	5.66	75	55189	4.738	ug/l #	50
38) Carbon Tetrachloride	5.67	117	85087	6.210	ug/l #	16
49) 1,4-Dioxane	7.76	88	191	0.732	ug/l #	1
64) Tetrachloroethene	9.34	164	6138	0.647	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	272012	22.708	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	272012	53.289	ug/l #	15

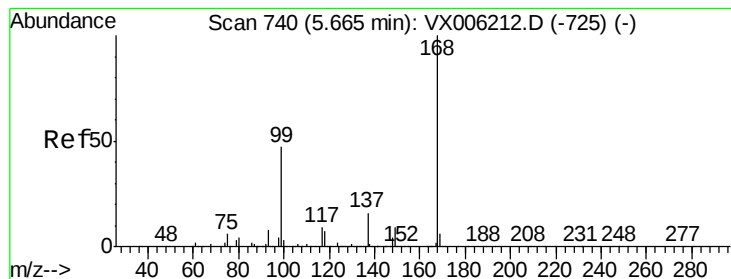
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

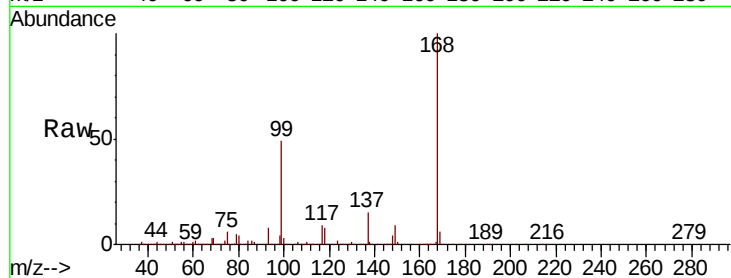
TRIP-BLANK

Tot Ion:168 Resp: 935606

Ion Ratio Lower Upper

168 100

99 49.3 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

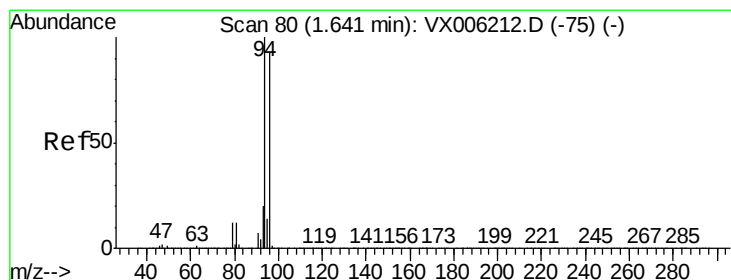
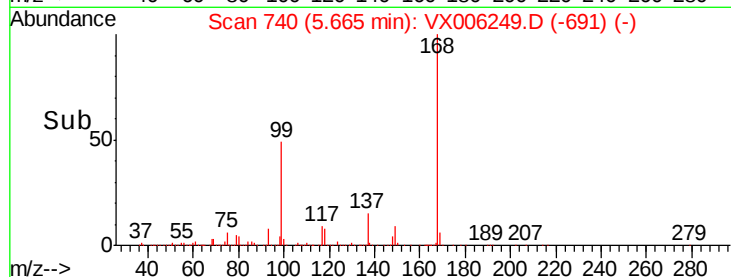
300000

200000

100000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006249.D

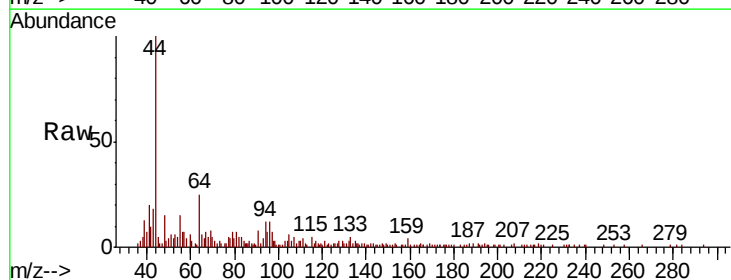
Acq: 03 Dec 2018 13:24

Tgt Ion: 94 Resp: 1418

Ion Ratio Lower Upper

94 100

96 69.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1200

1000

800

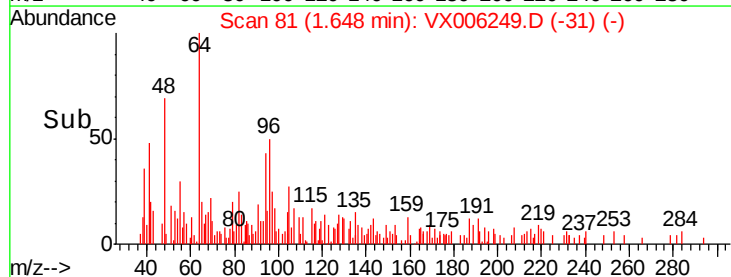
600

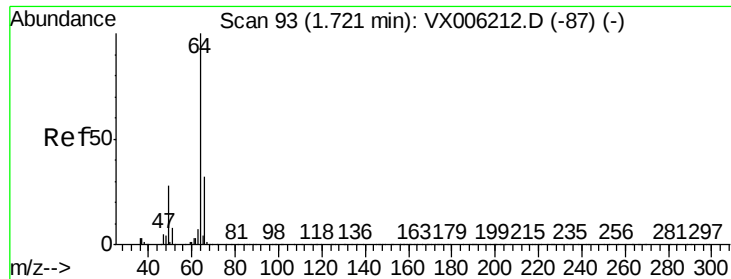
400

200

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.314 ug/l

RT: 1.58 min Scan# 70

Delta R.T. -0.14 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

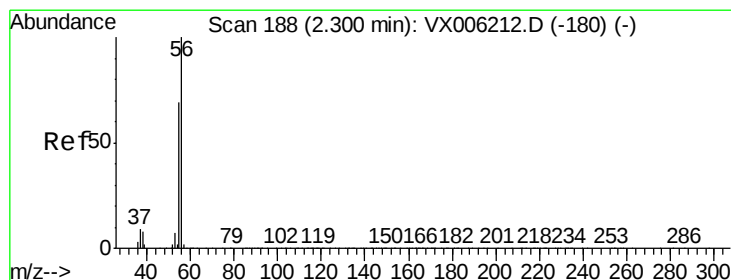
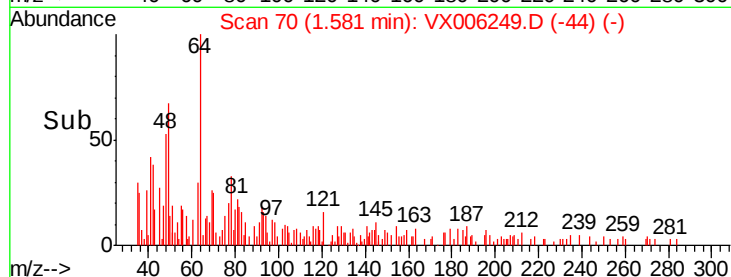
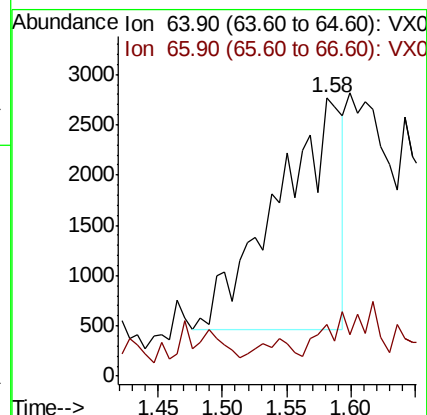
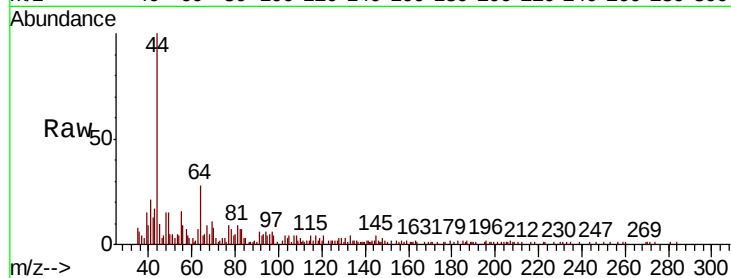
TRIP-BLANK

Tot Ion: 64 Resp: 8165

Ion Ratio Lower Upper

64 100

66 10.3 25.9 38.9#



#13

Acrolein

Concen: 0.498 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006249.D

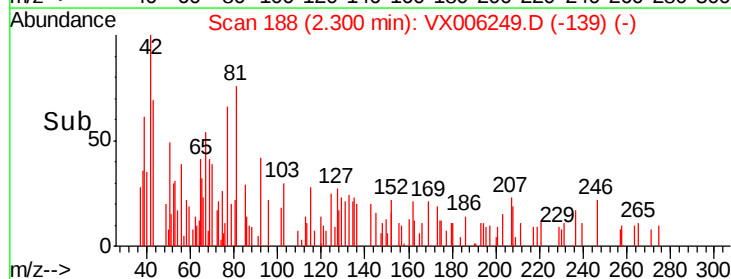
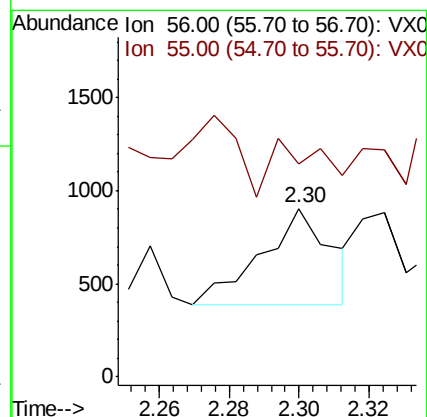
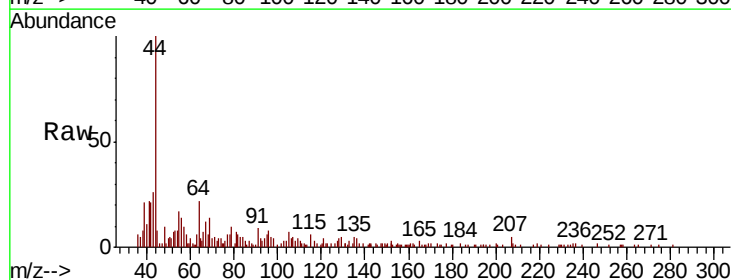
Acq: 03 Dec 2018 13:24

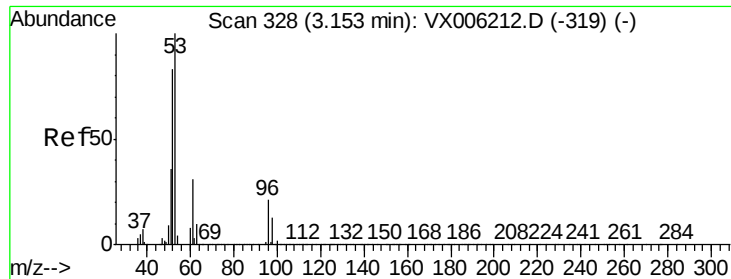
Tgt Ion: 56 Resp: 711

Ion Ratio Lower Upper

56 100

55 45.0 57.8 86.6#

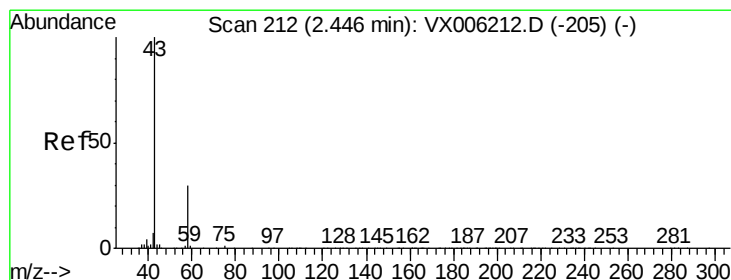
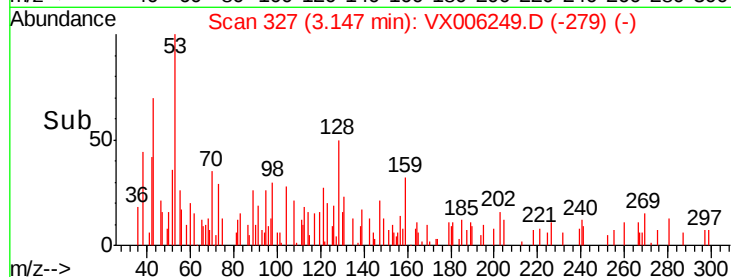
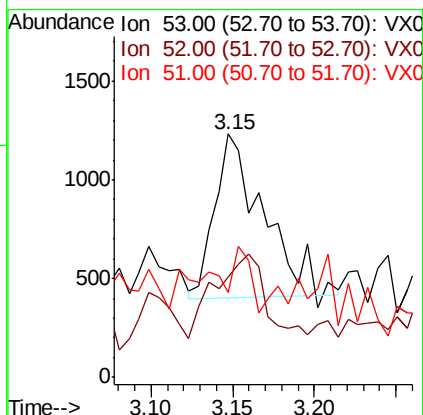
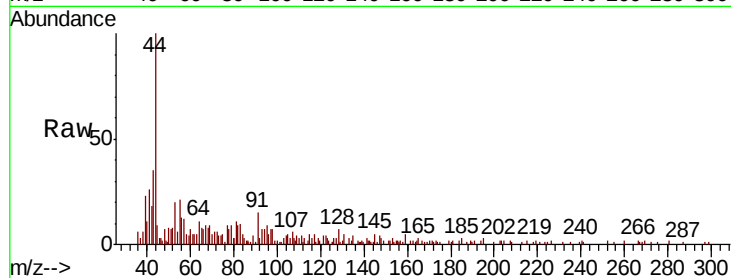




#15
Acrylonitrile
Concen: 0.316 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX006249.D
Acq: 03 Dec 2018 13:24

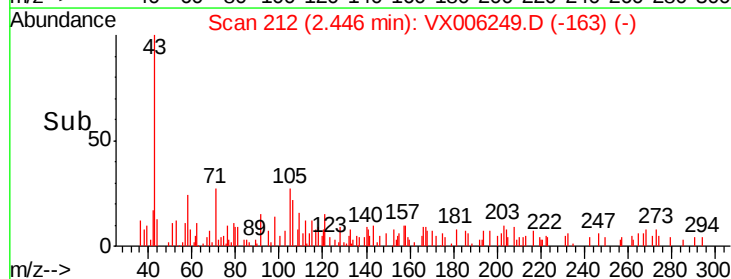
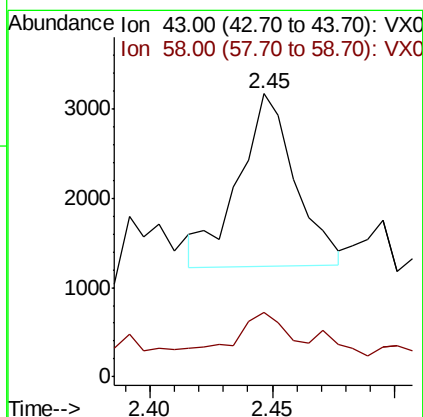
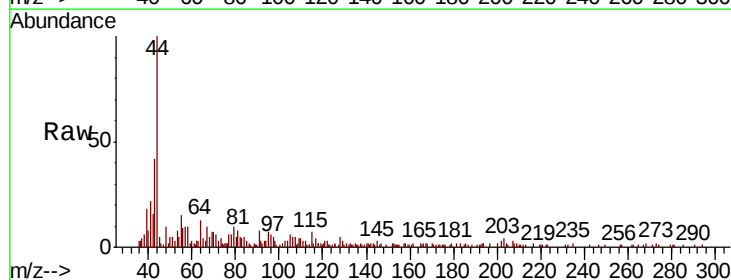
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

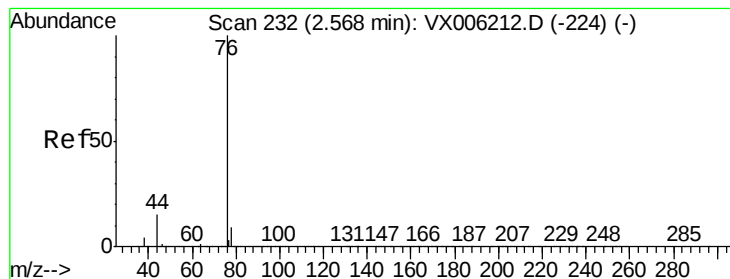
Tot Ion: 53 Resp: 1725
Ion Ratio Lower Upper
53 100
52 53.3 66.2 99.4#
51 11.2 28.7 43.1#



#16
Acetone
Concen: 0.695 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006249.D
Acq: 03 Dec 2018 13:24

Tgt Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
58 22.5 24.0 36.0#





#17

Carbon Disulfide

Concen: 0.223 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

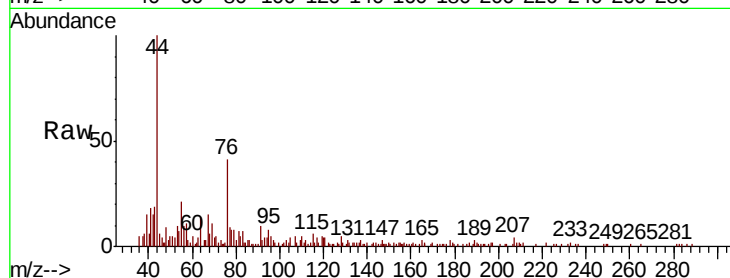
TRIP-BLANK

Tot Ion: 76 Resp: 5811

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

3000

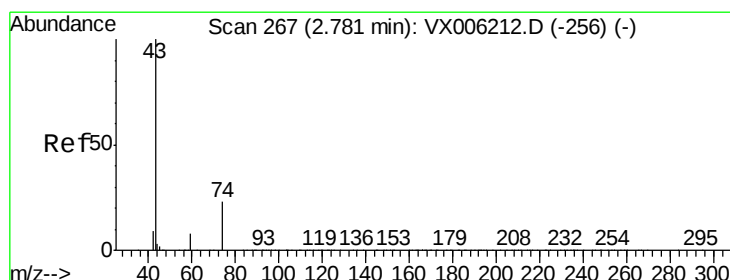
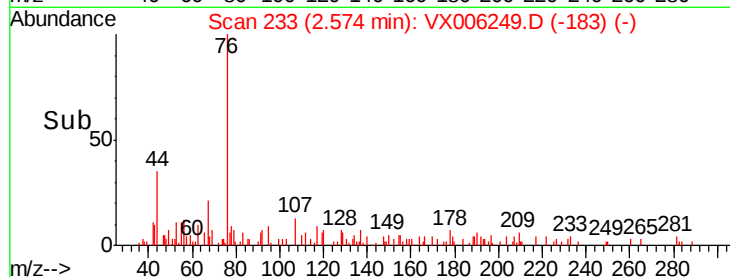
2000

1000

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 0.383 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006249.D

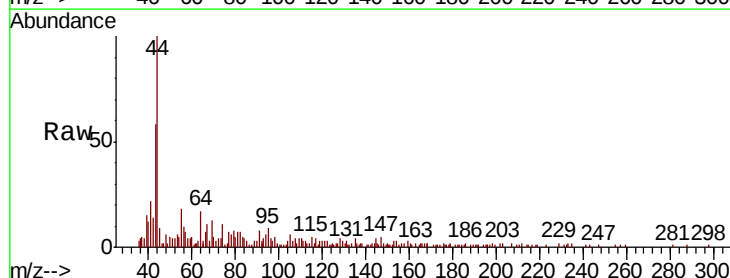
Acq: 03 Dec 2018 13:24

Tgt Ion: 43 Resp: 5738

Ion Ratio Lower Upper

43 100

74 25.6 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

5000

4000

3000

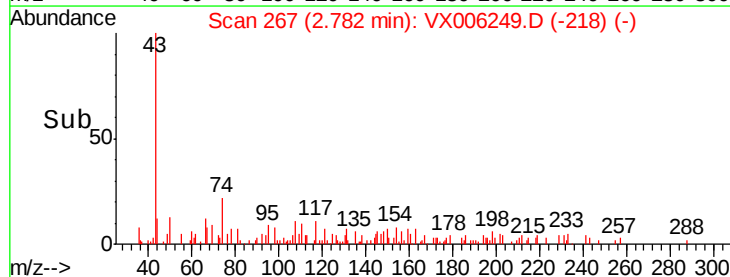
2000

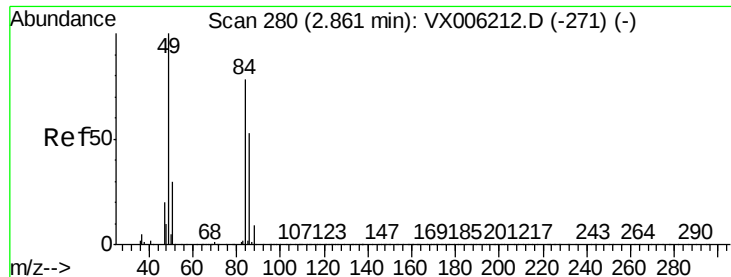
1000

0

2.75 2.80

Time-->





#20

Methvlene Chloride

Concen: 0.218 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 84 Resp: 2081

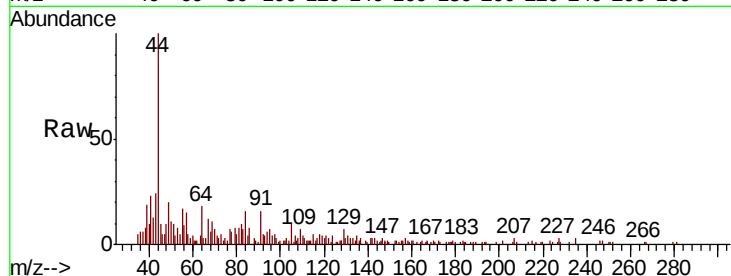
Ion Ratio Lower Upper

84 100

49 150.6 102.2 153.4

51 43.7 31.1 46.7

86 47.5 53.7 80.5#

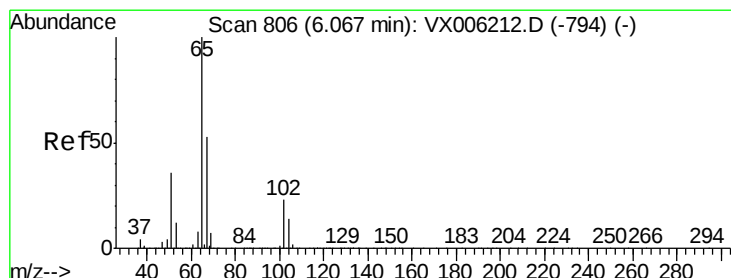
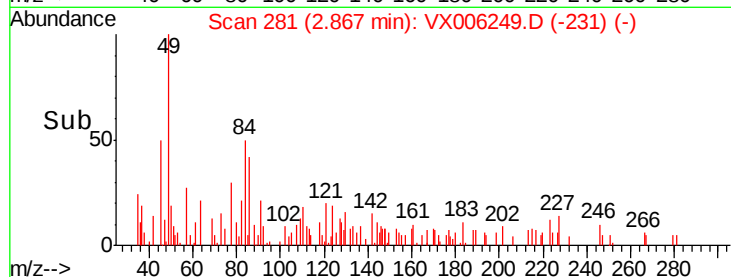
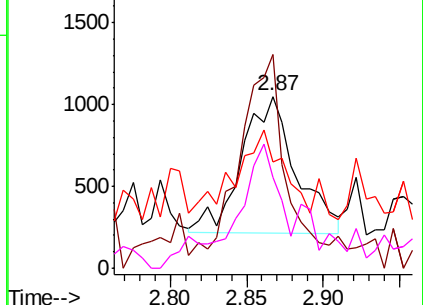


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#33

1,2-Dichloroethane-d4

Concen: 47.127 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006249.D

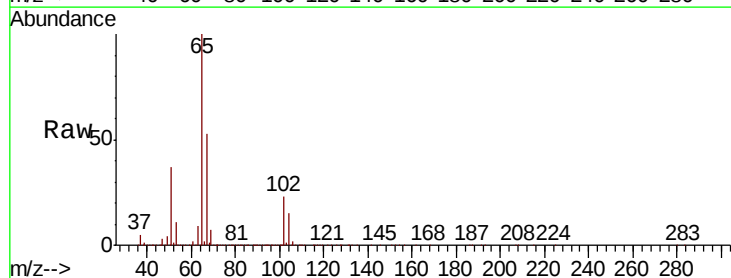
Acq: 03 Dec 2018 13:24

Tgt Ion: 65 Resp: 450114

Ion Ratio Lower Upper

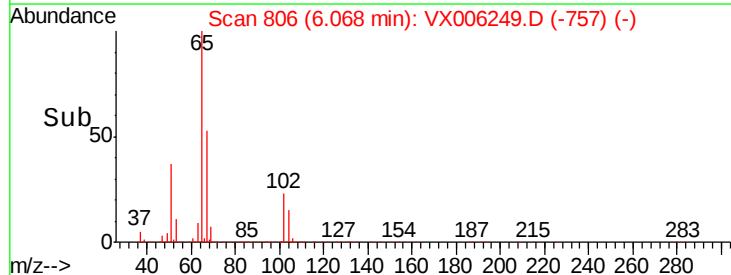
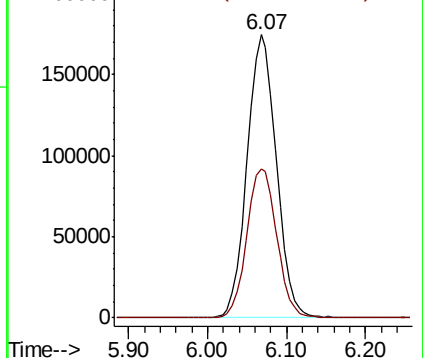
65 100

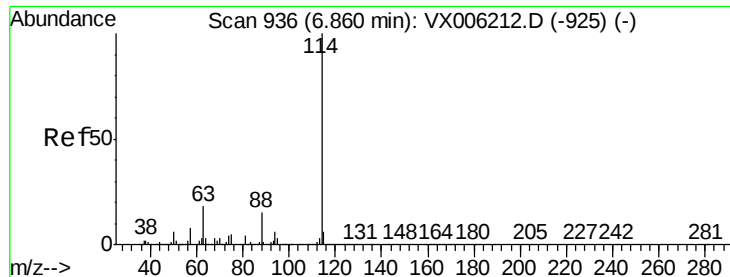
67 53.9 0.0 107.2



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: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

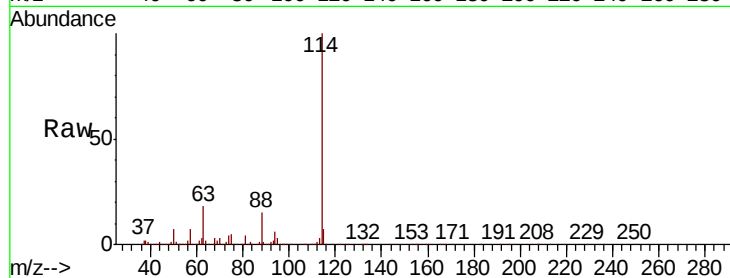
Tot Ion:114 Resp: 1383165

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

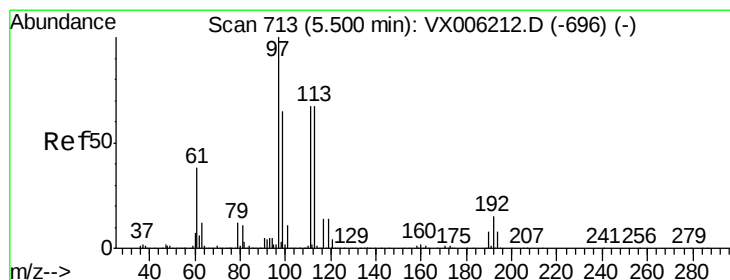
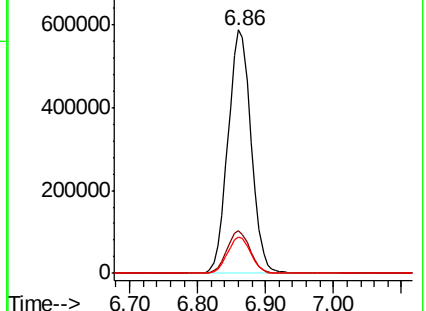
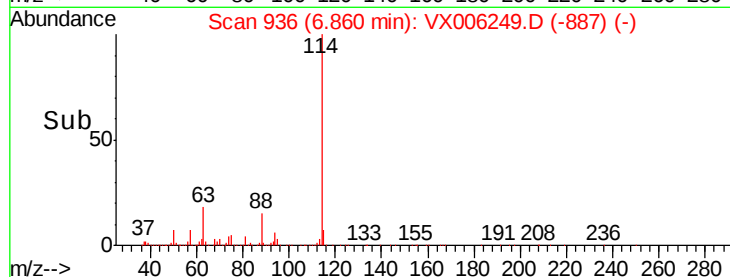
88 14.9 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.164 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

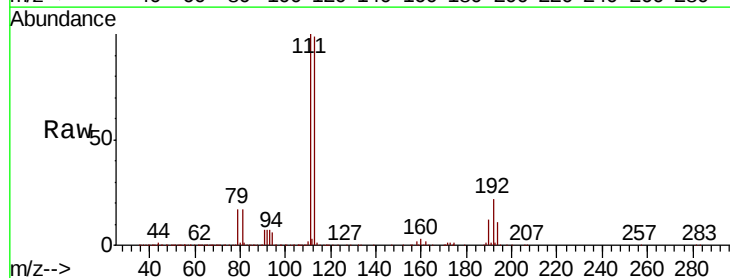
Tgt Ion:113 Resp: 440282

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

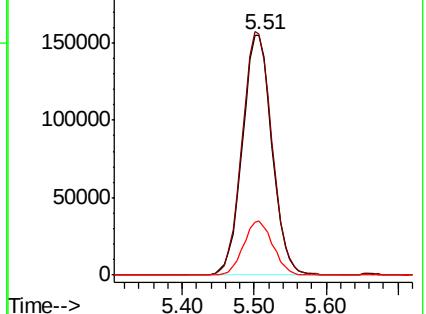
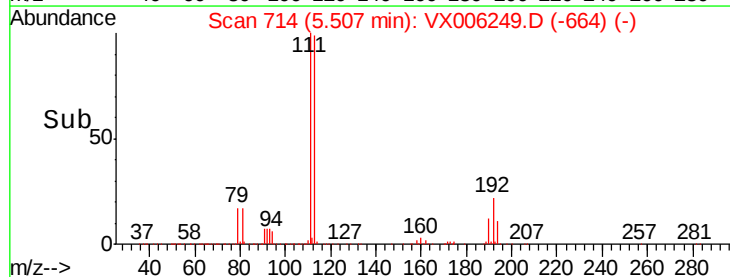
192 22.4 18.2 27.2

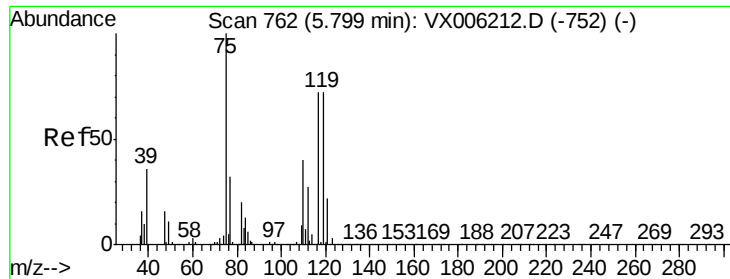


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

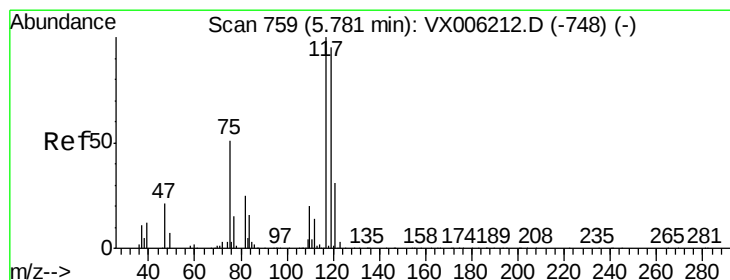
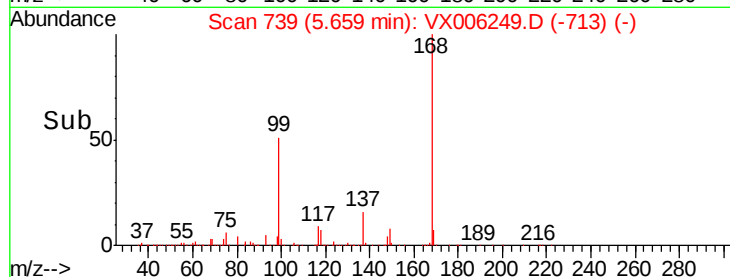
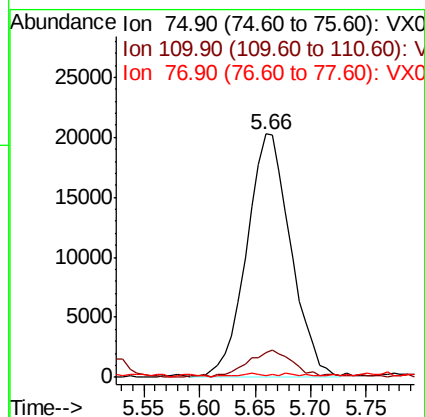
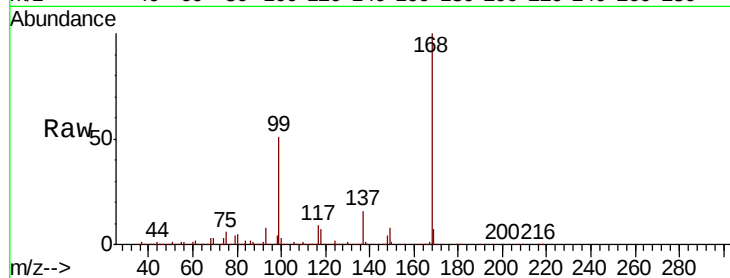
Tot Ion: 75 Resp: 55189

Ion Ratio Lower Upper

75 100

110 12.0 20.4 61.3#

77 0.8 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.210 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

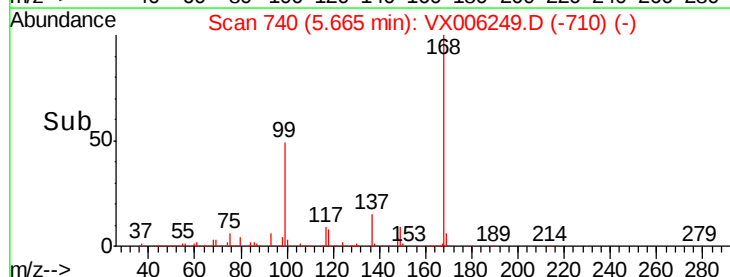
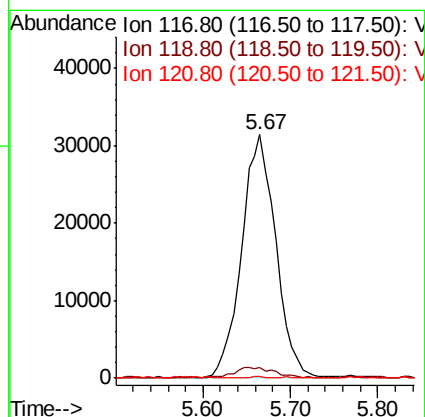
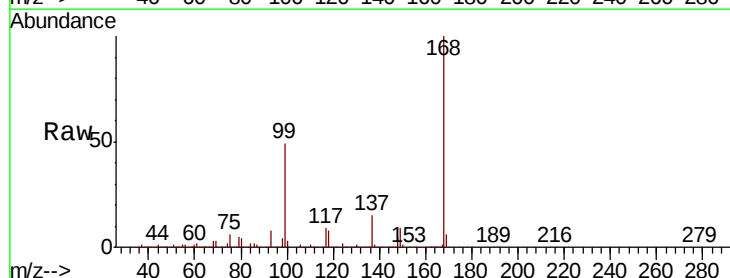
Tgt Ion: 117 Resp: 85087

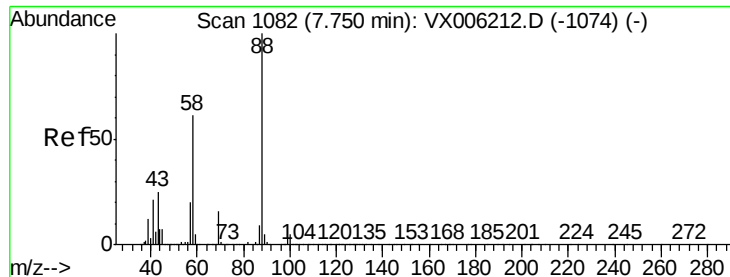
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.7 24.6 37.0#





#49

1,4-Dioxane

Concen: 0.732 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampled :

TRIP-BLANK

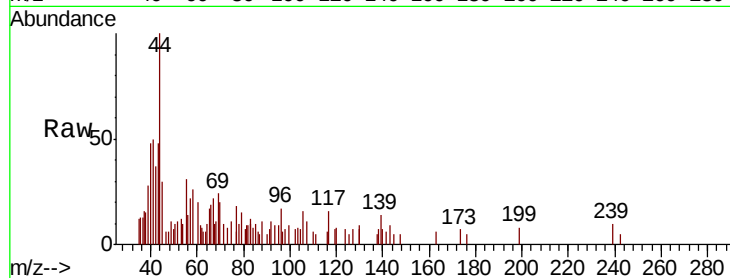
Tot Ion: 88 Resp: 191

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

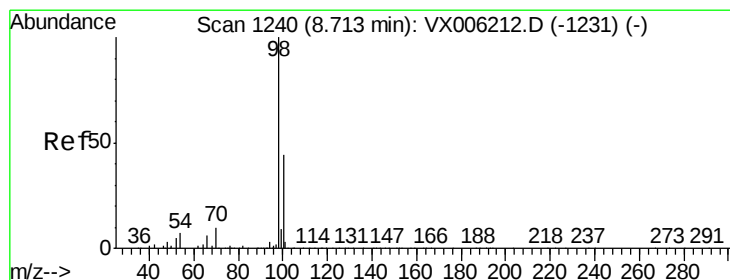
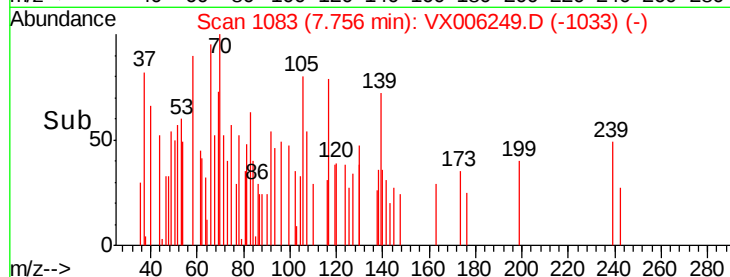
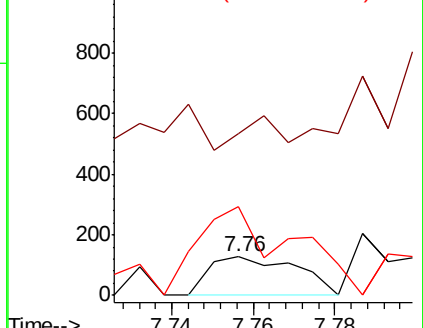
58 267.5 51.4 77.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.376 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006249.D

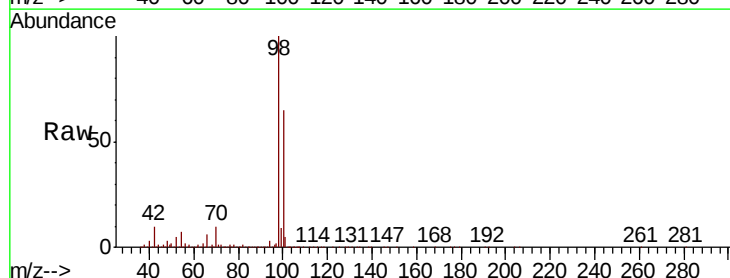
Acq: 03 Dec 2018 13:24

Tgt Ion: 98 Resp: 1608399

Ion Ratio Lower Upper

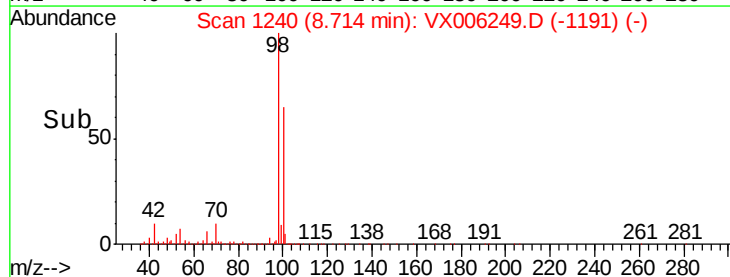
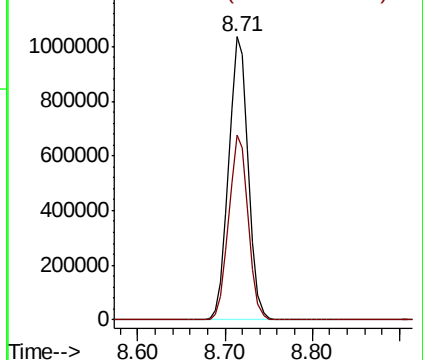
98 100

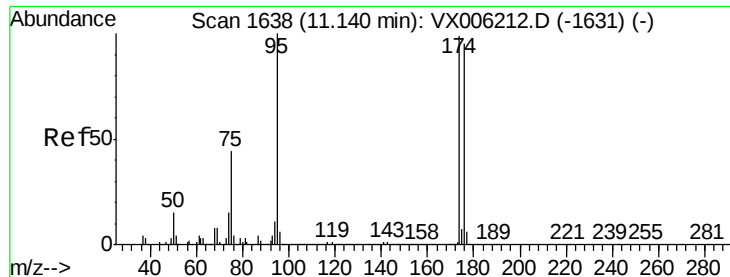
100 64.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.563 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

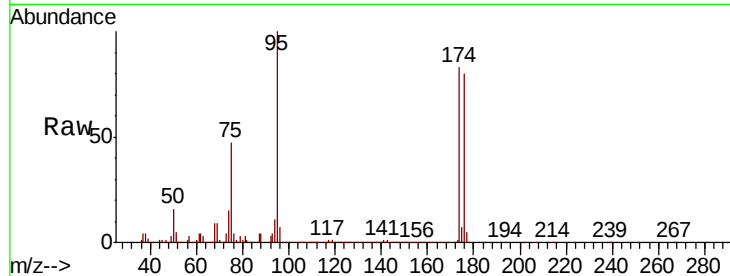
Tot Ion: 95 Resp: 596115

Ion Ratio Lower Upper

95 100

174 91.0 0.0 187.0

176 88.1 0.0 181.8



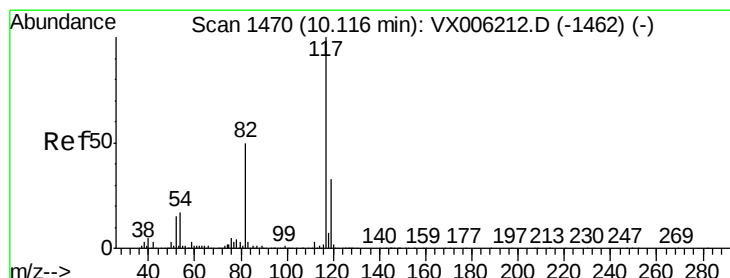
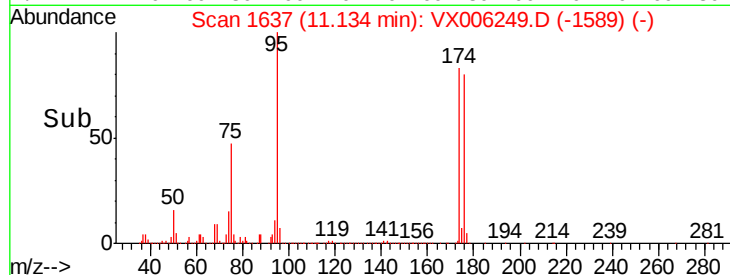
Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)

11.13

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

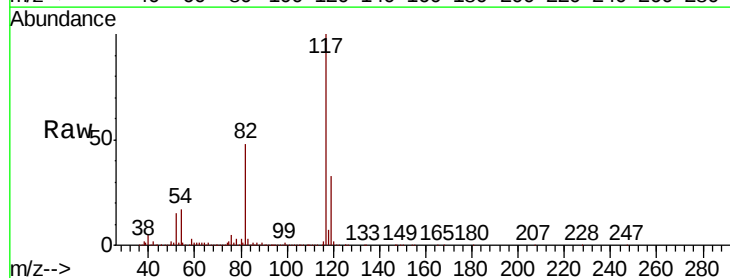
Tgt Ion: 117 Resp: 1259790

Ion Ratio Lower Upper

117 100

82 48.3 39.6 59.4

119 32.5 26.3 39.5



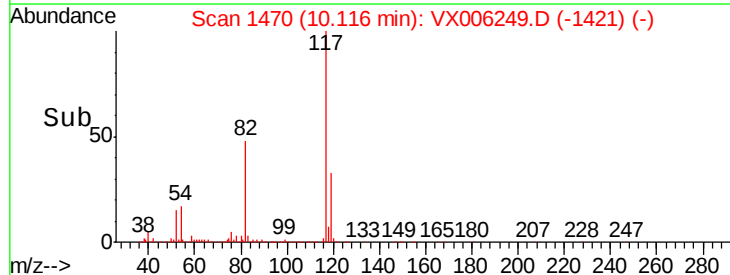
Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

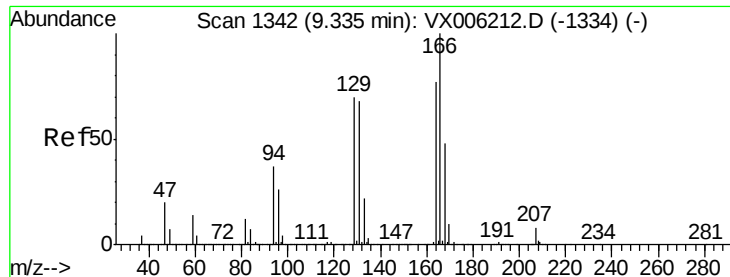
Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)

10.12

Time-->

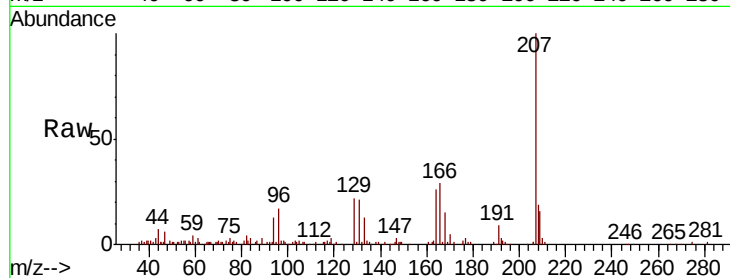




#64
Tetrachloroethene
Concen: 0.647 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006249.D
Acq: 03 Dec 2018 13:24

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
164	100		
166	113.8	104.2	156.2
129	84.6	72.6	108.8
131	81.8	70.3	105.5



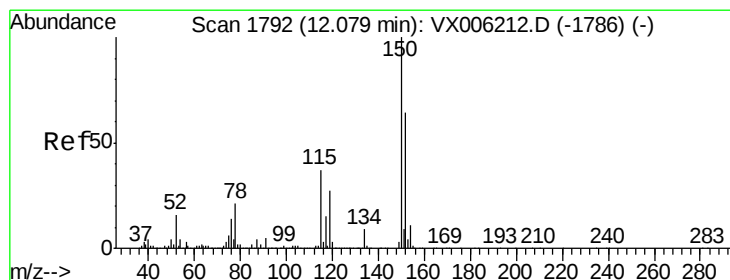
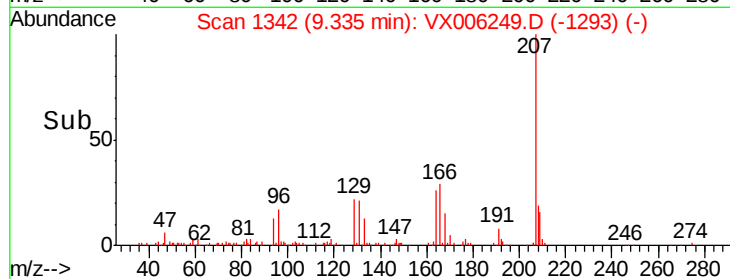
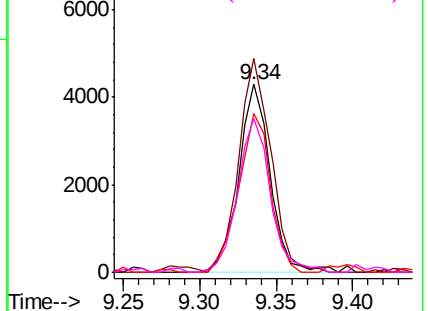
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

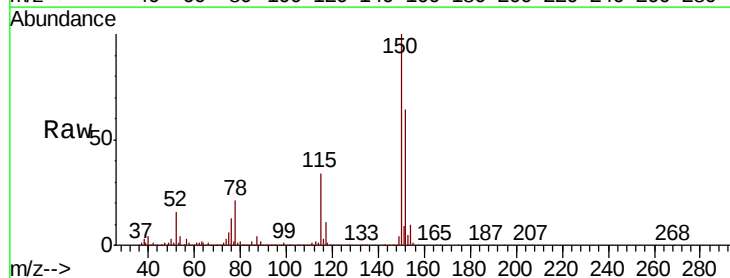
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX006249.D
Acq: 03 Dec 2018 13:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	39.0	116.9
150	155.6	0.0	345.8

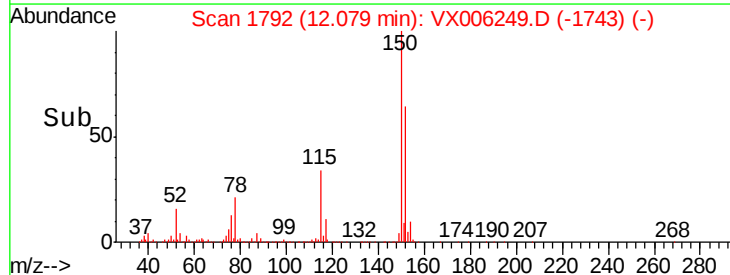
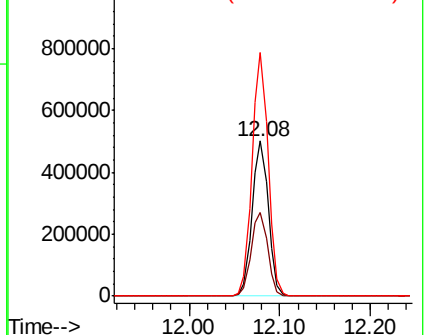


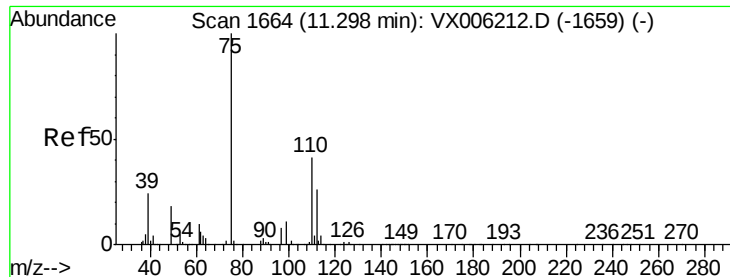
Abundance

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: 22.708 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Instrument :

MSVOA_X

ClientSampleId :

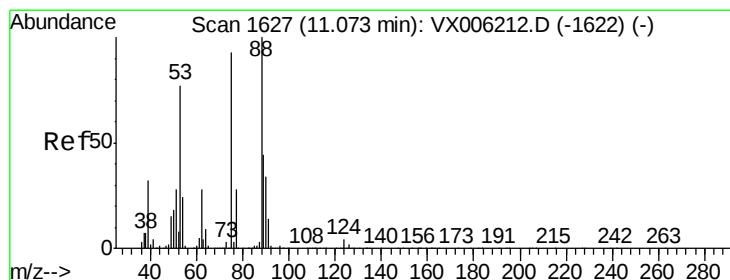
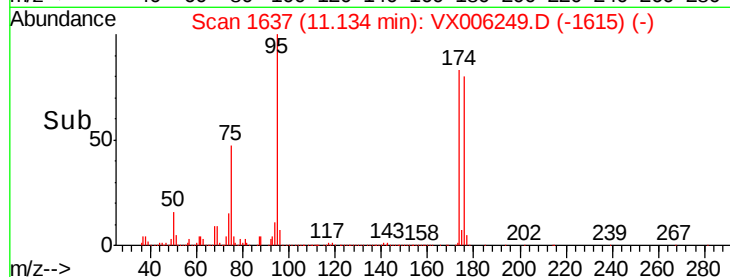
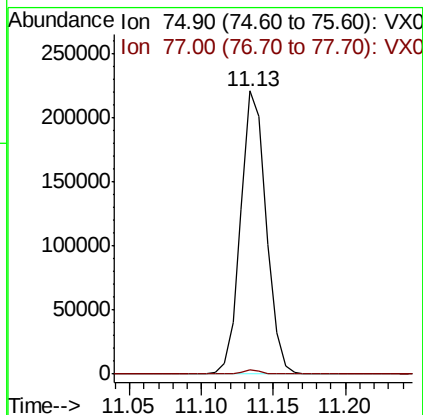
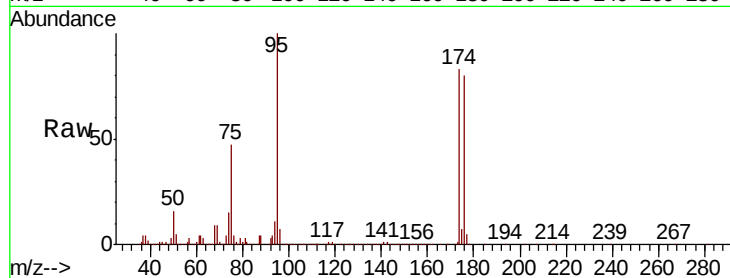
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Tot Ion: 75 Resp: 272012

Ion Ratio Lower Upper

75 100

77 1.2 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.289 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006249.D

Acq: 03 Dec 2018 13:24

Tgt Ion: 75 Resp: 272012

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 44.2 66.4#

