

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005125.D
 Acq On : 08 Oct 2018 14:15
 Operator : JC/MD
 Sample : J5189-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-105D2-20180927

Quant Time: Oct 09 12:54:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	194730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173863	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	147692	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	5.50	113	127033	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	8.72	98	453889	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.14	95	162103	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

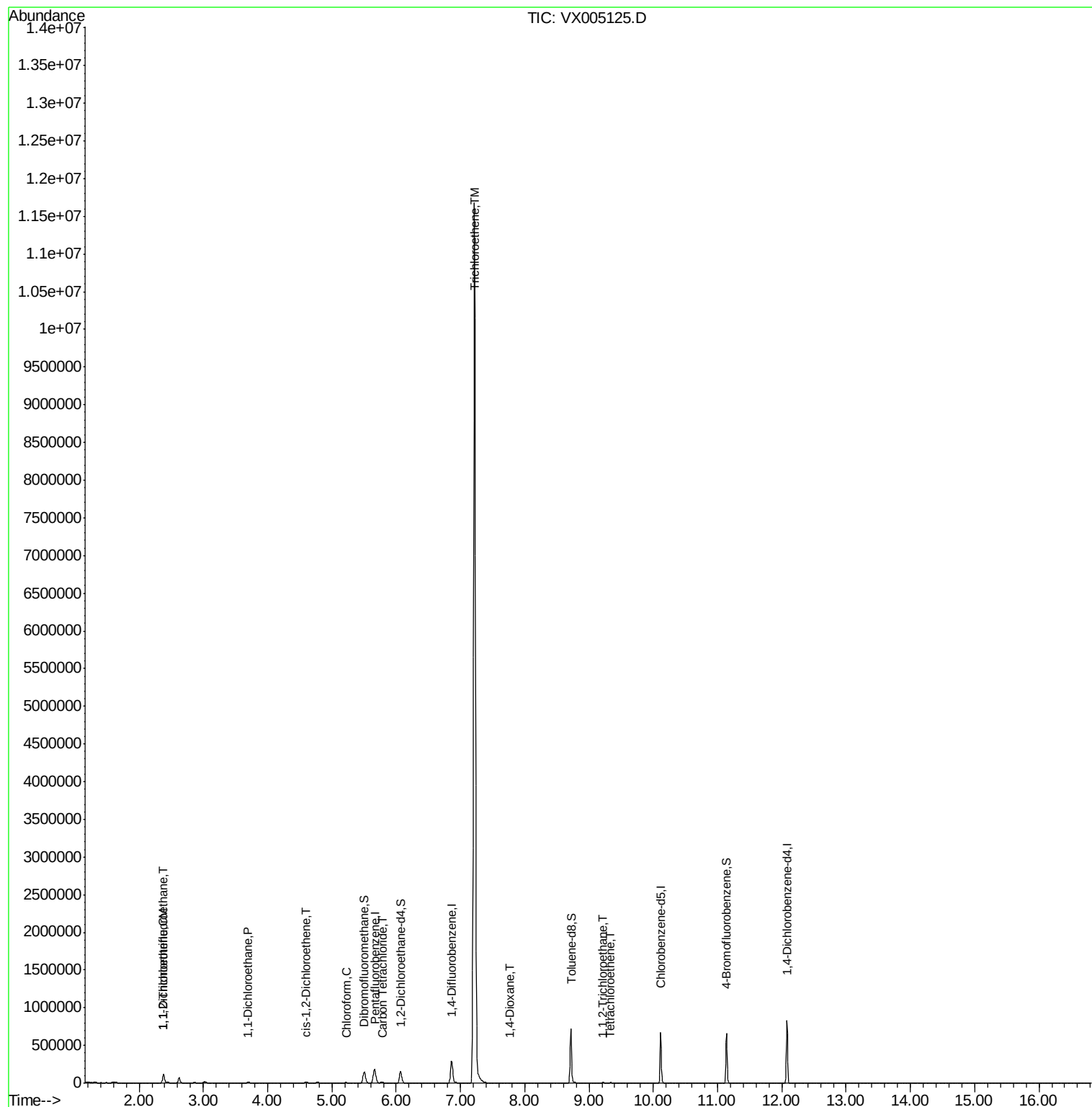
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	33326	15.64	ug/l	98
12) 1,1-Dichloroethene	2.37	96	13145	6.23	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9383	2.03	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	10790	4.18	ug/l	93
30) Chloroform	5.22	83	7446	1.70	ug/l	94
38) Carbon Tetrachloride	5.78	117	8537	2.26	ug/l	96
44) Trichloroethene	7.22	130	4641945	1677.32	ug/l	98
49) 1,4-Dioxane	7.76	88	1708	21.99	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	3543	1.31	ug/l	89
64) Tetrachloroethene	9.34	164	1829	0.60	ug/l	92

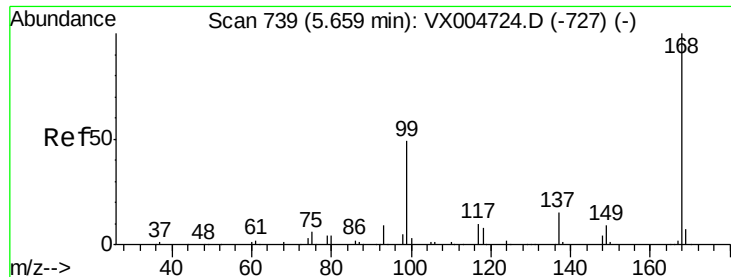
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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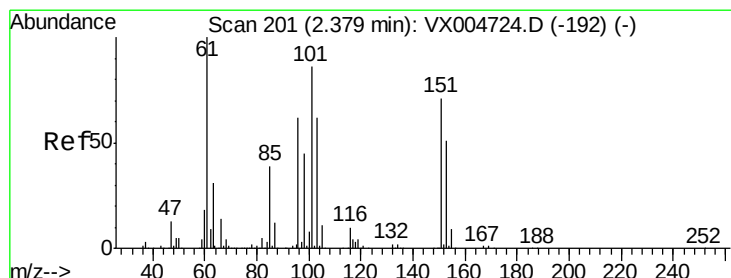
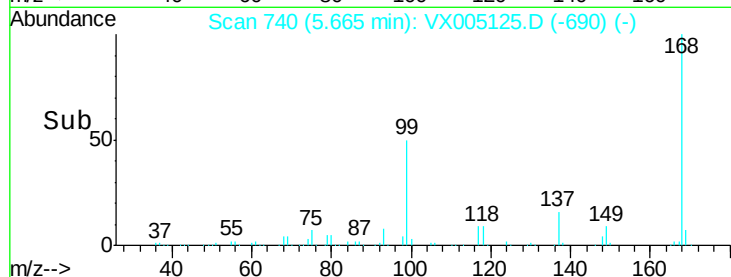
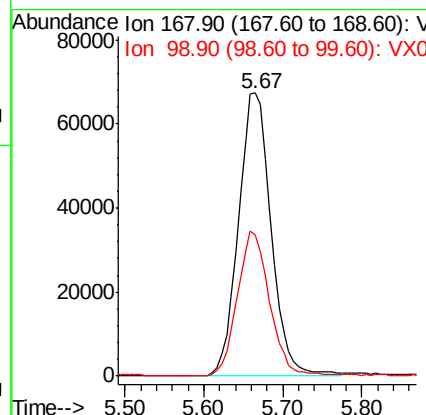
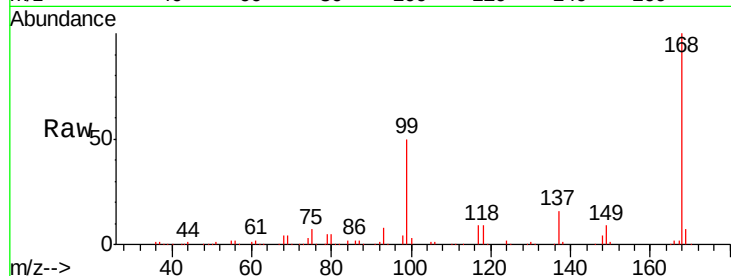




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005125.D
Acq: 08 Oct 2018 14:15

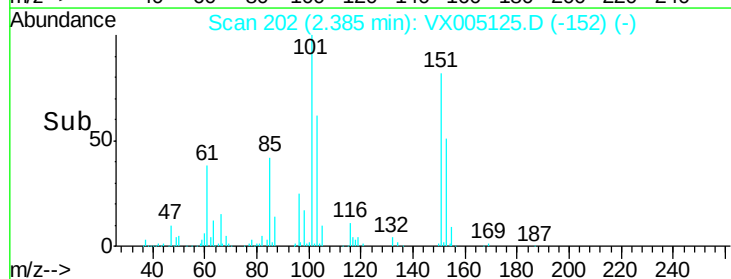
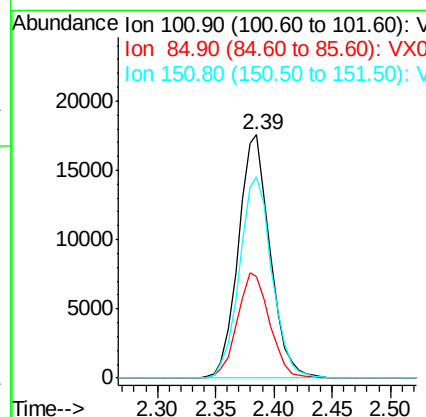
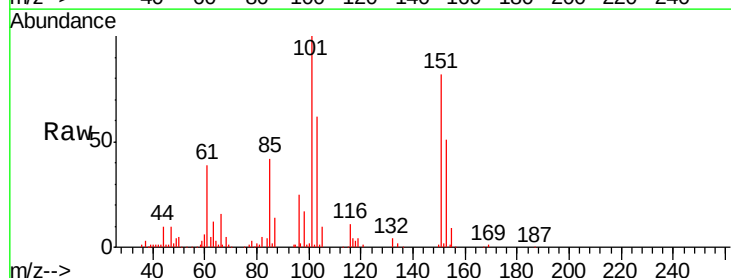
Instrument :
MSVOA_X
ClientSampleId :
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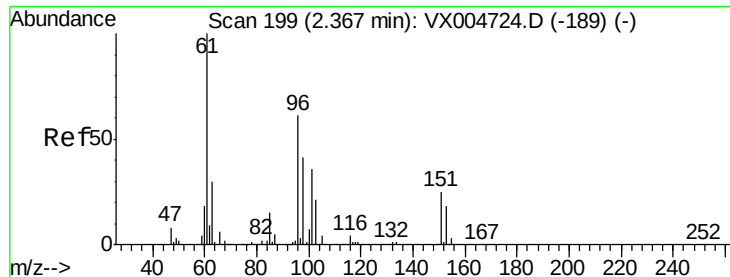
Tgt Ion:168 Resp: 194730
Ion Ratio Lower Upper
168 100
99 49.8 39.3 58.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.64 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX005125.D
Acq: 08 Oct 2018 14:15

Tgt Ion:101 Resp: 33326
Ion Ratio Lower Upper
101 100
85 44.3 35.9 53.9
151 85.1 66.6 100.0





#12

1,1-Dichloroethene

Concen: 6.23 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

RE-105D2-20180927

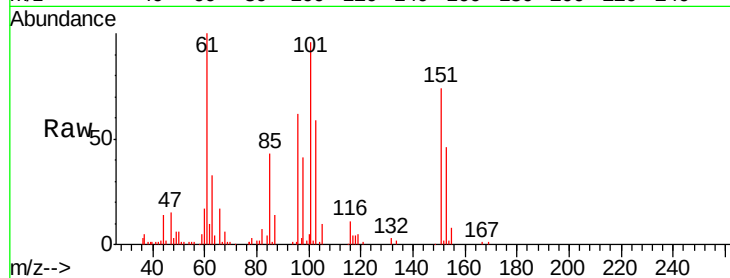
Tgt Ion: 96 Resp: 13145

Ion Ratio Lower Upper

96 100

61 161.8 130.2 195.4

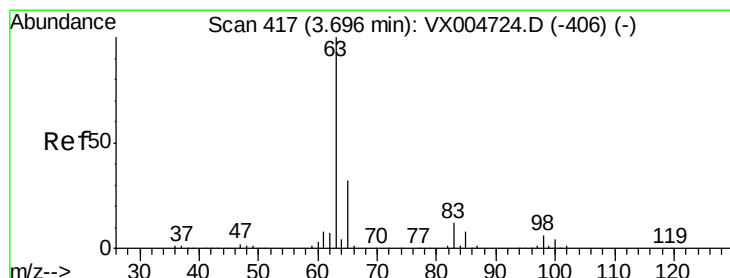
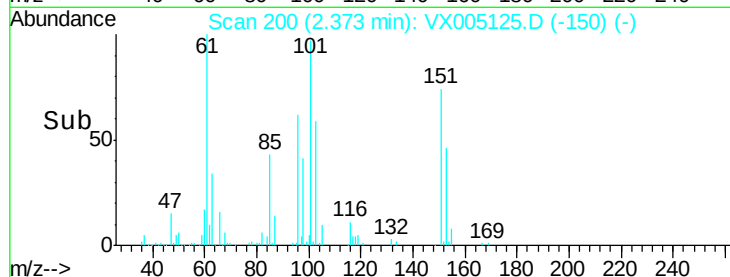
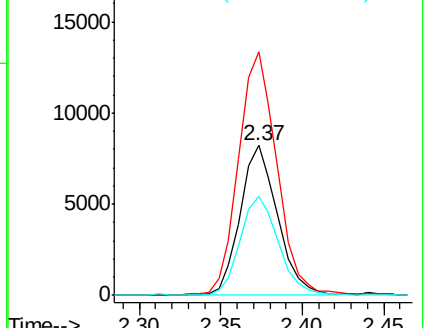
98 66.2 53.4 80.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 2.03 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

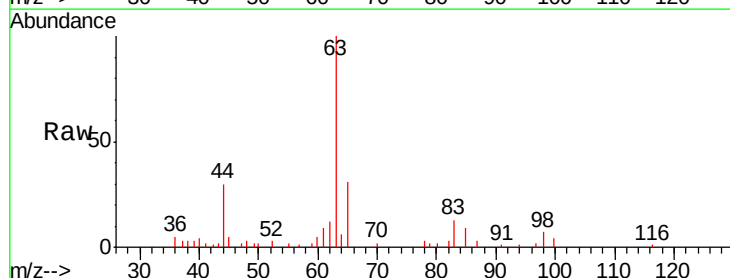
Tgt Ion: 63 Resp: 9383

Ion Ratio Lower Upper

63 100

98 7.0 3.0 9.2

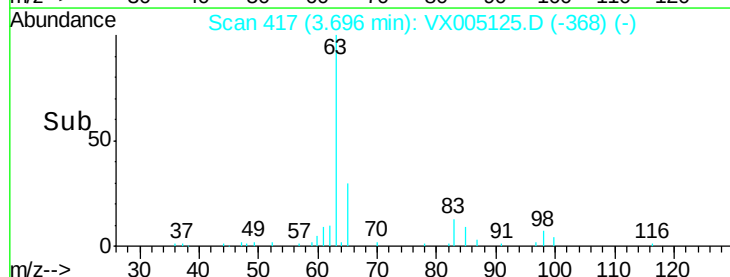
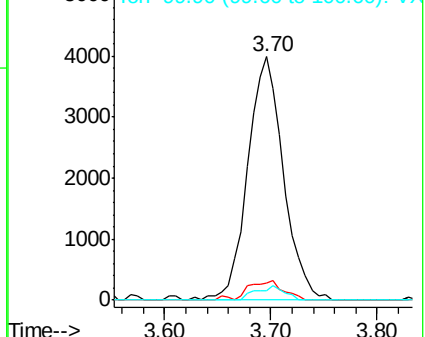
100 4.1 2.0 5.8

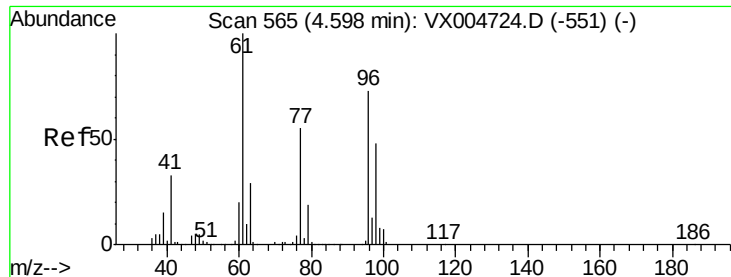


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 4.18 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

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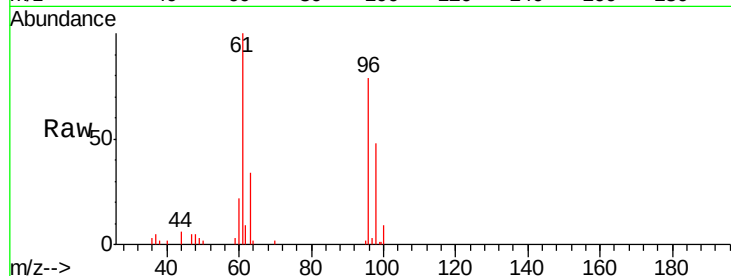
Tgt Ion: 96 Resp: 10790

Ion Ratio Lower Upper

96 100

61 134.2 0.0 285.8

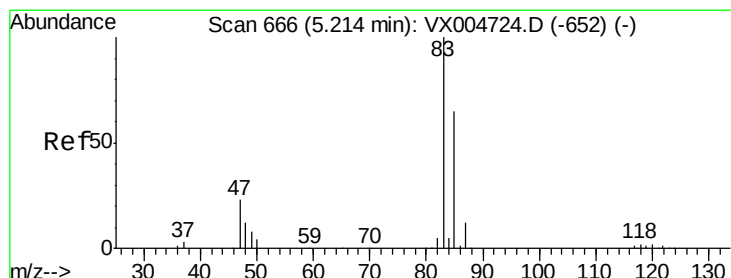
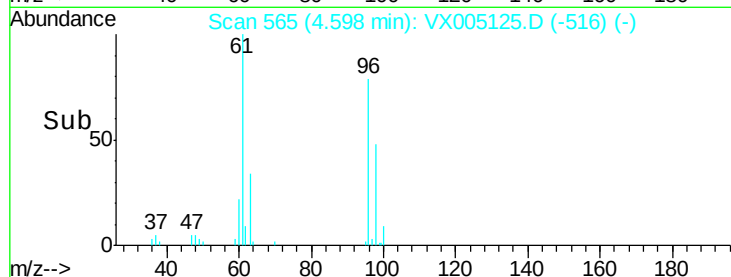
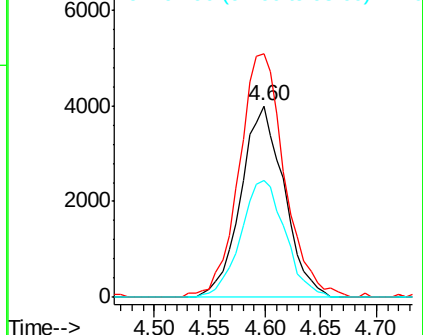
98 62.7 0.0 136.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#30

Chloroform

Concen: 1.70 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005125.D

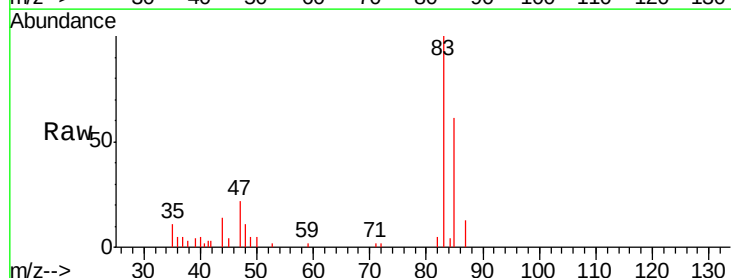
Acq: 08 Oct 2018 14:15

Tgt Ion: 83 Resp: 7446

Ion Ratio Lower Upper

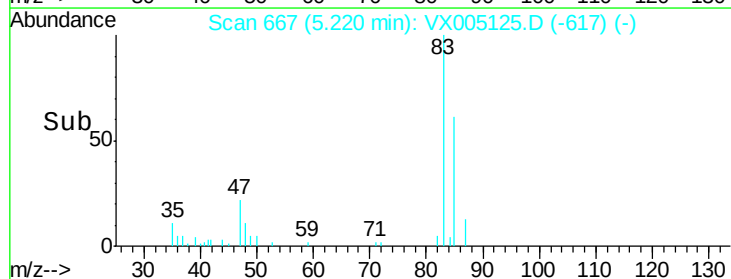
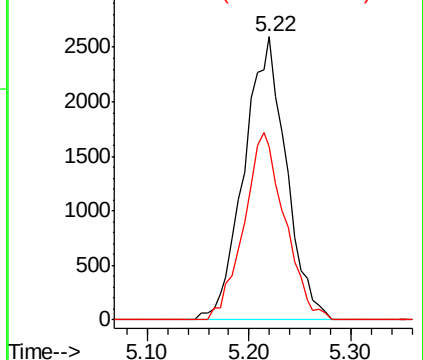
83 100

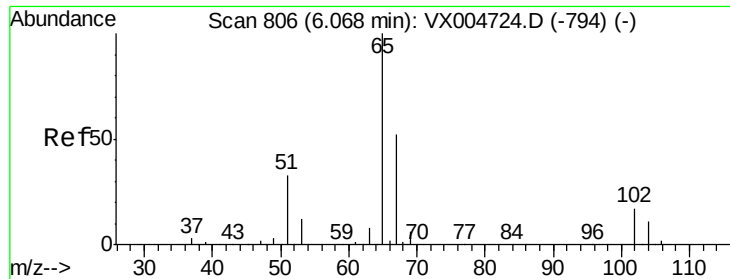
85 61.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

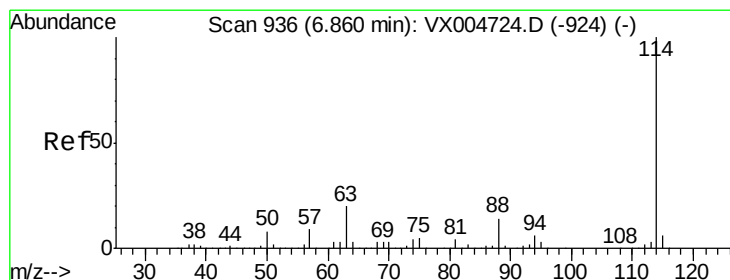
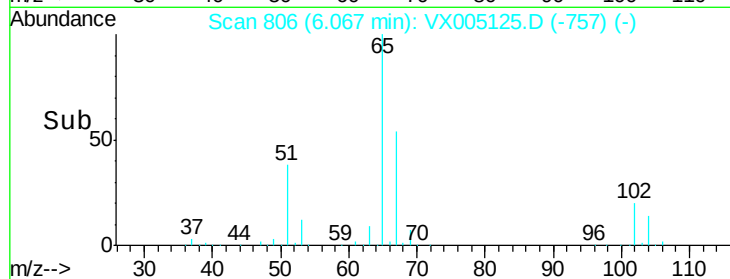
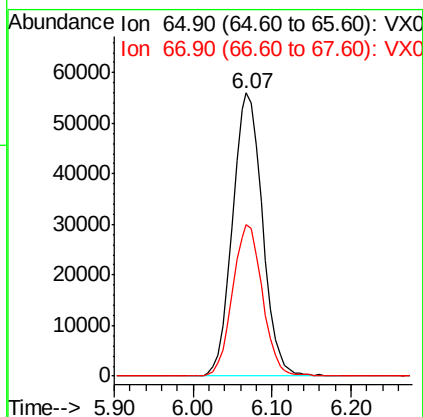
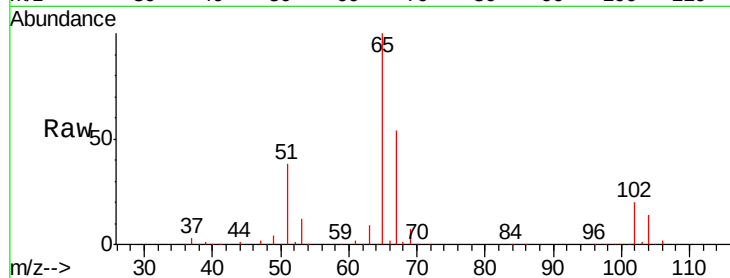




#33
 1,2-Dichloroethane-d4
 Concen: 53.09 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

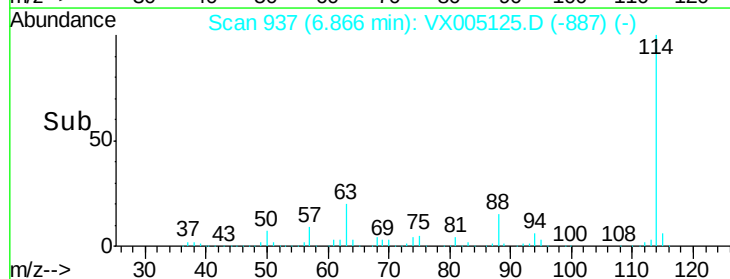
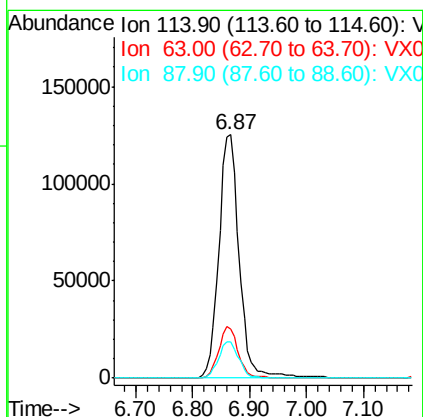
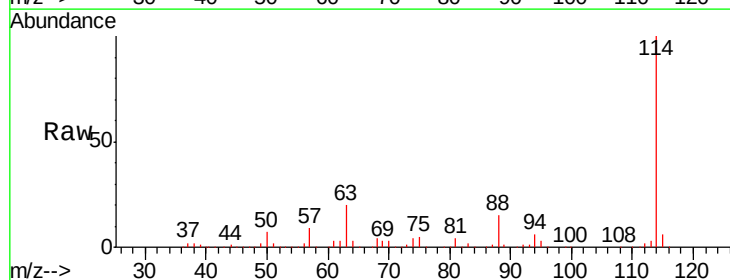
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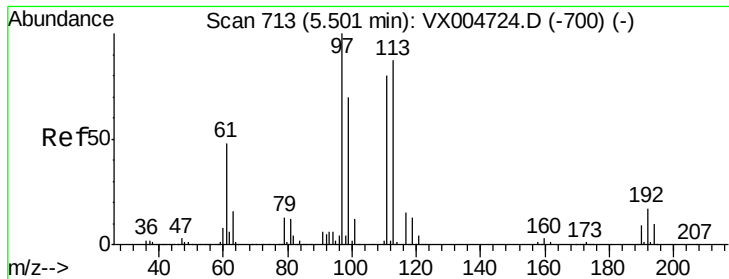
Tgt Ion: 65 Resp: 147692
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

Tgt Ion: 114 Resp: 310977
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.0 0.0 27.0

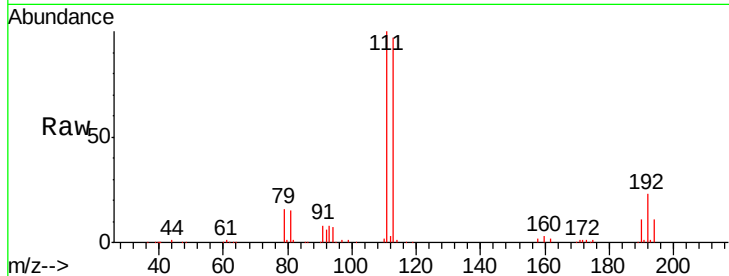




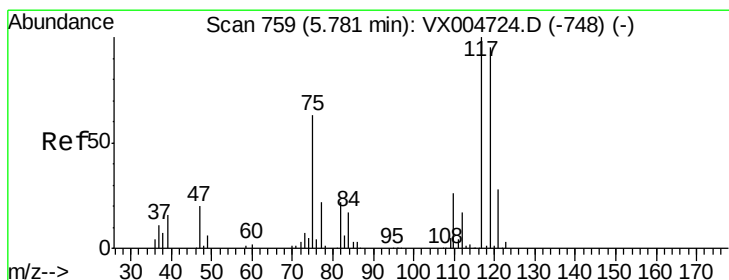
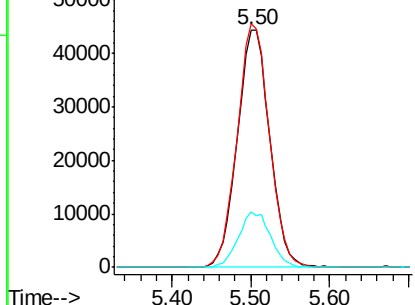
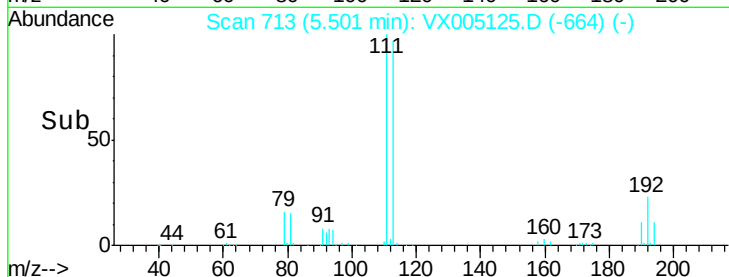
#35
 Dibromofluoromethane
 Concen: 48.20 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-105D2-20180927

Tgt Ion:113 Resp: 127033
 Ion Ratio Lower Upper
 113 100
 111 101.8 77.0 115.4
 192 23.2 17.0 25.6

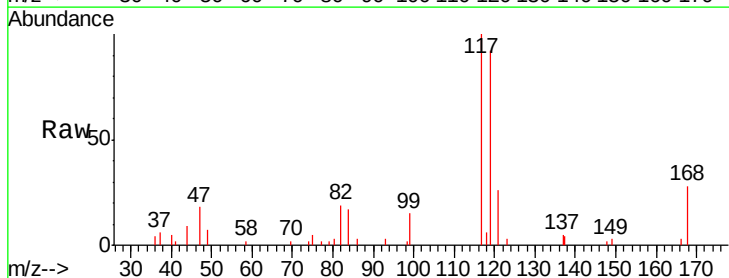


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

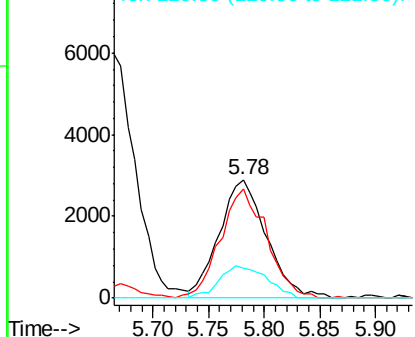
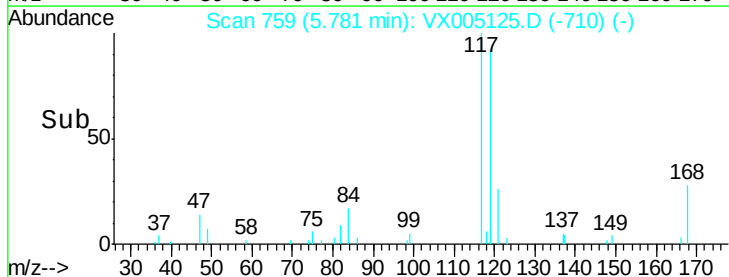


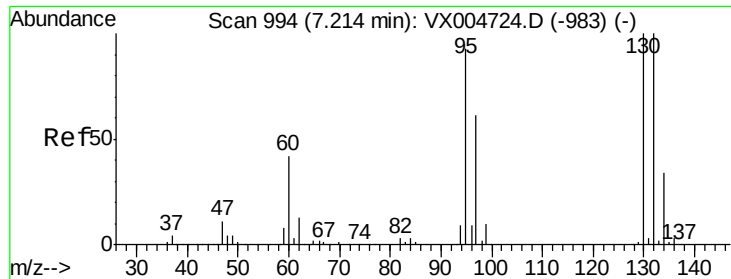
#38
 Carbon Tetrachloride
 Concen: 2.26 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

Tgt Ion:117 Resp: 8537
 Ion Ratio Lower Upper
 117 100
 119 90.3 75.2 112.8
 121 25.6 22.5 33.7



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

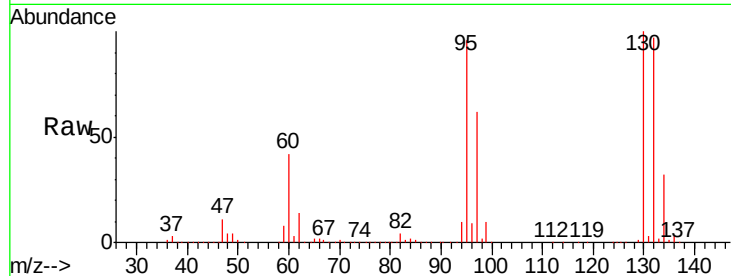




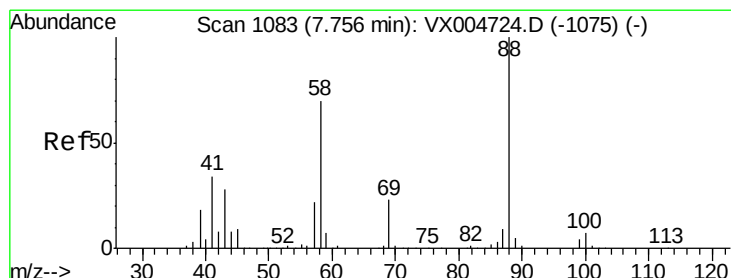
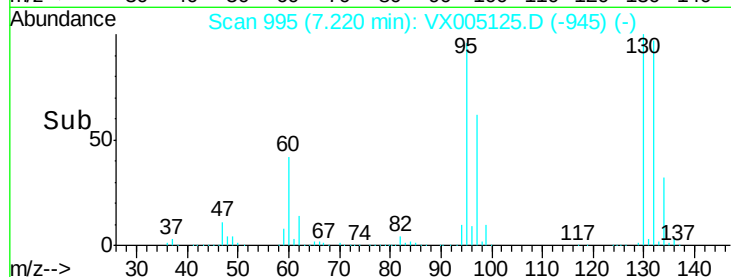
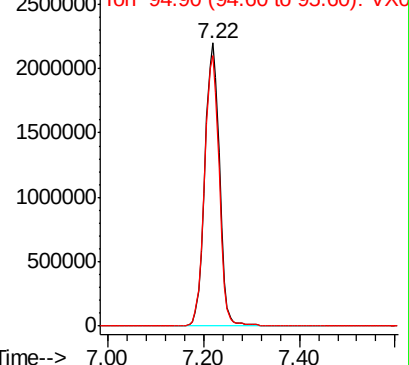
#44
 Trichloroethene
 Concen: 1677.32 ug/l
 RT: 7.22 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

Instrument :
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Tgt Ion: 130 Resp: 4641945
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 186.8

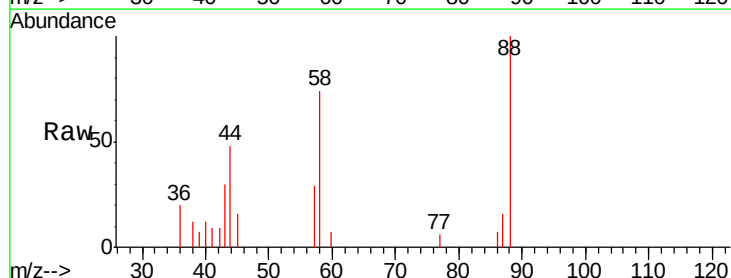


Abundance Ion 129.80 (129.50 to 130.50): V

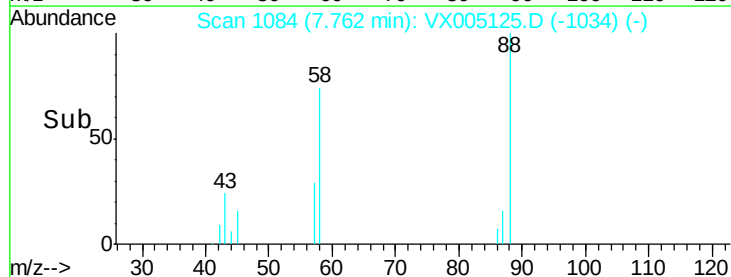
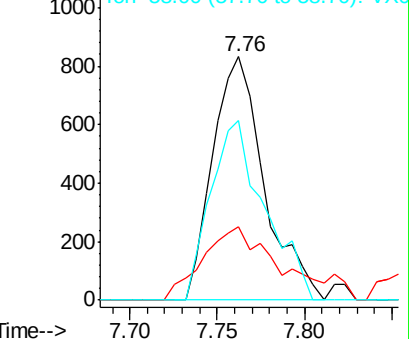


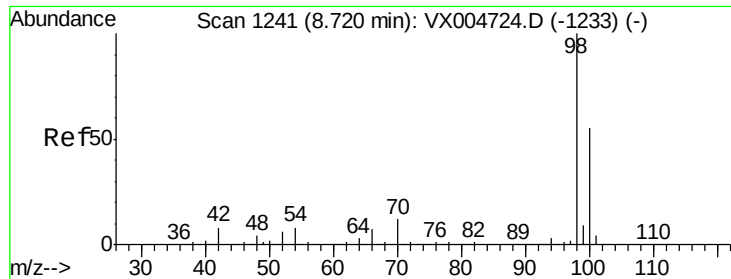
#49
 1,4-Dioxane
 Concen: 21.99 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: VX005125.D
 Acq: 08 Oct 2018 14:15

Tgt Ion: 88 Resp: 1708
 Ion Ratio Lower Upper
 88 100
 43 46.1 25.1 37.7#
 58 77.5 56.2 84.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

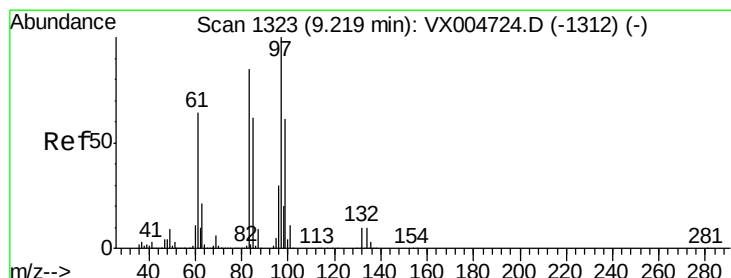
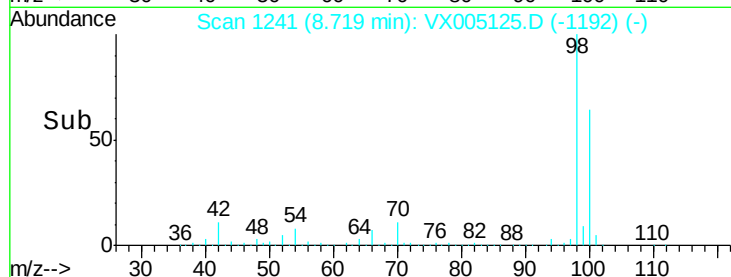
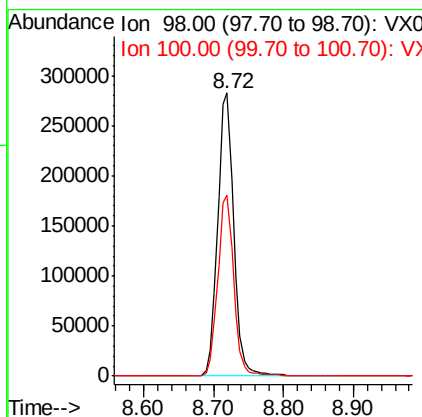
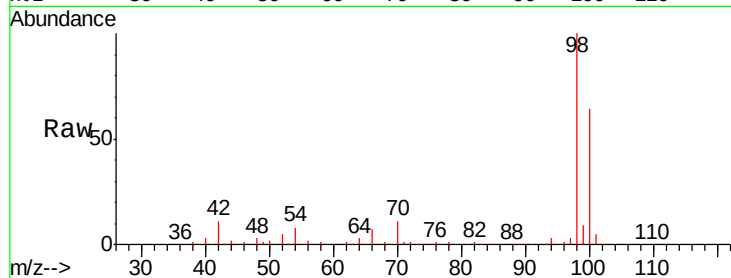




#50
Toluene-d8
Concen: 51.80 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005125.D
Acq: 08 Oct 2018 14:15

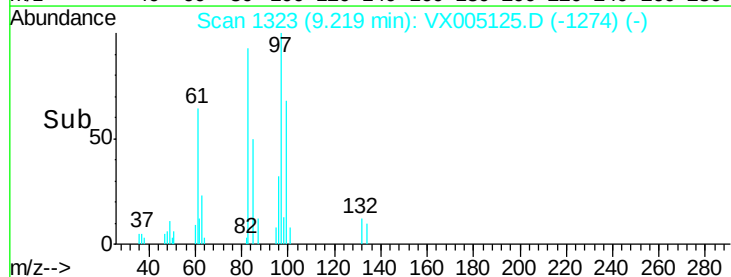
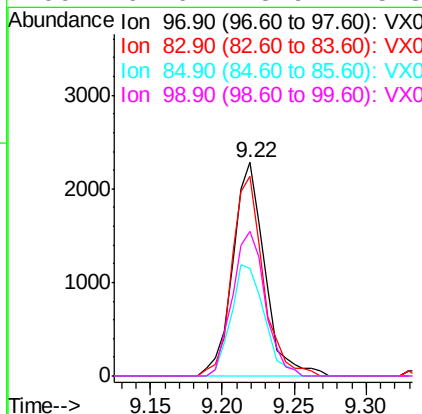
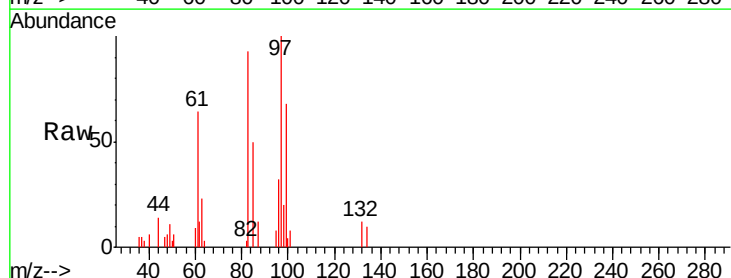
Instrument :
MSVOA_X
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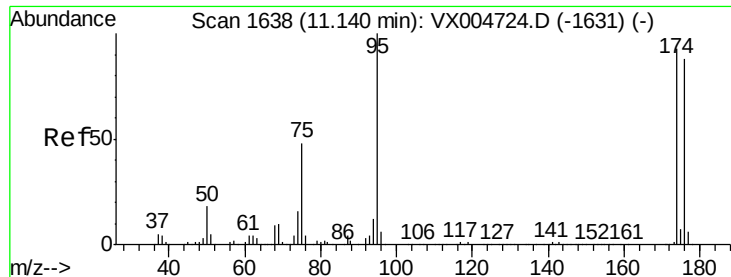
Tgt Ion: 98 Resp: 453889
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 1.31 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005125.D
Acq: 08 Oct 2018 14:15

Tgt Ion: 97 Resp: 3543
Ion Ratio Lower Upper
97 100
83 93.5 68.2 102.2
85 50.5 49.9 74.9
99 67.6 48.9 73.3





#62

4-Bromofluorobenzene

Concen: 51.35 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

RE-105D2-20180927

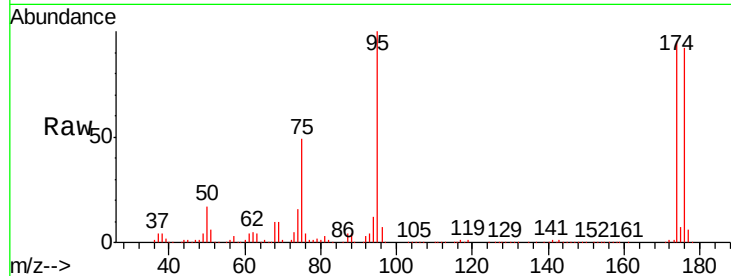
Tgt Ion: 95 Resp: 162103

Ion Ratio Lower Upper

95 100

174 94.3 0.0 185.0

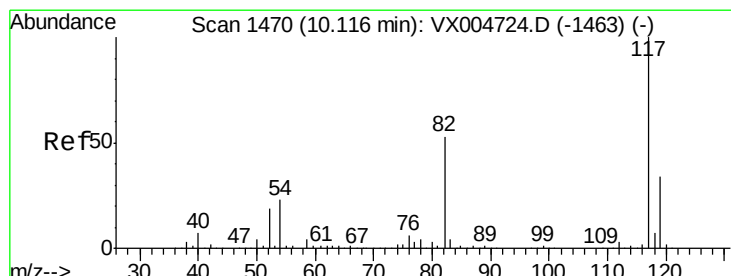
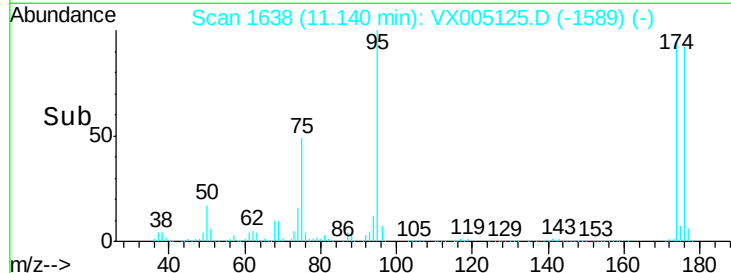
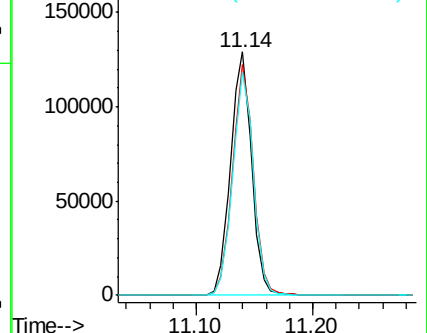
176 90.9 0.0 180.2



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: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

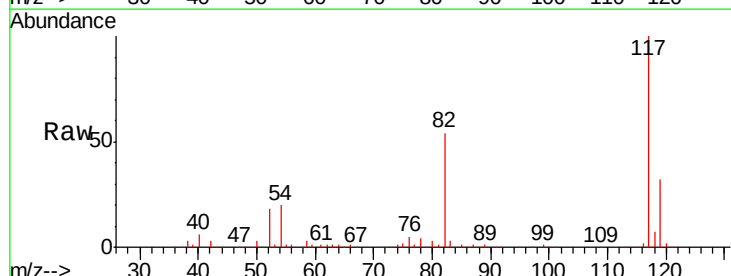
Tgt Ion: 117 Resp: 309903

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

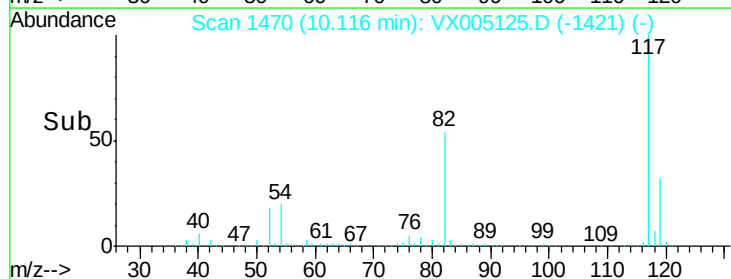
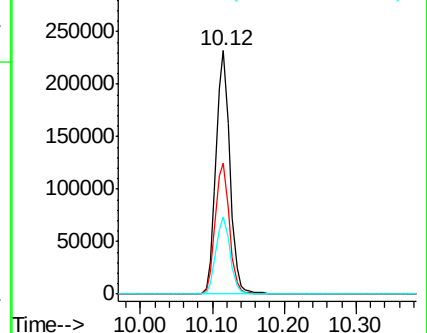
119 31.5 27.4 41.0

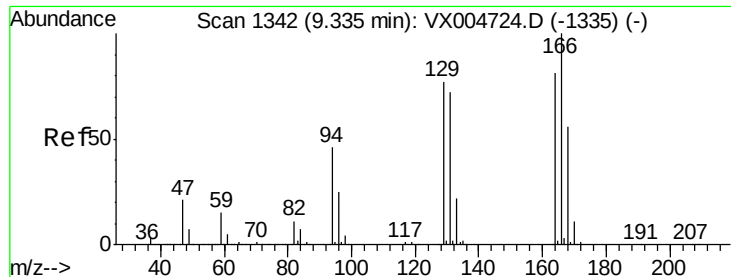


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.60 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

Instrument :

MSVOA_X

ClientSampleId :

RE-105D2-20180927

Tgt Ion:164 Resp: 1829

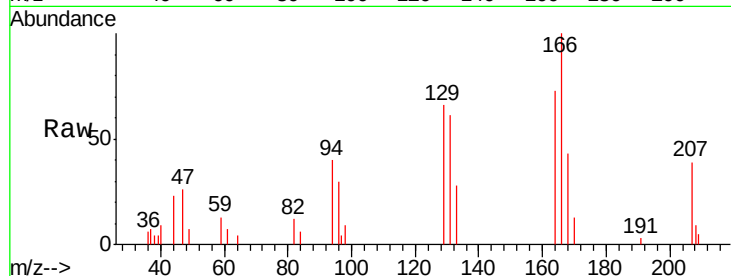
Ion Ratio Lower Upper

164 100

166 137.2 98.4 147.6

129 90.7 76.1 114.1

131 84.2 71.0 106.4

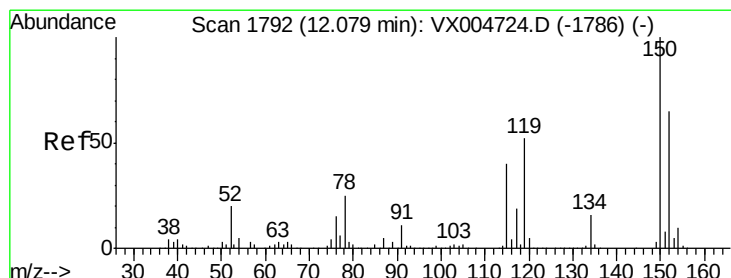
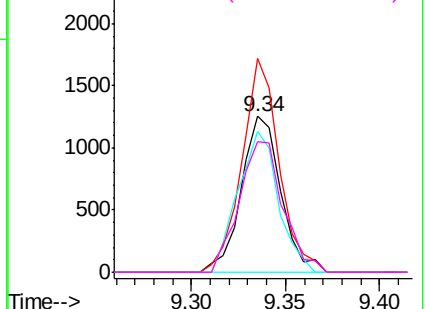
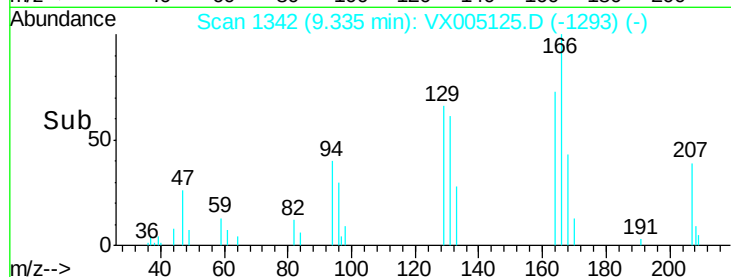


Abundance Ion 163.80 (163.50 to 164.50): V

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: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005125.D

Acq: 08 Oct 2018 14:15

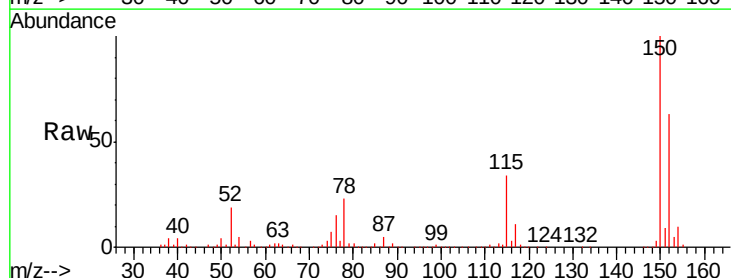
Tgt Ion:152 Resp: 173863

Ion Ratio Lower Upper

152 100

115 55.6 40.2 120.6

150 157.8 0.0 351.0



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

