

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008223.D
 Acq On : 20 Mar 2019 05:42
 Operator : JC/SP
 Sample : K1912-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T0-OZ(PRE)

Quant Time: Mar 20 09:12:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

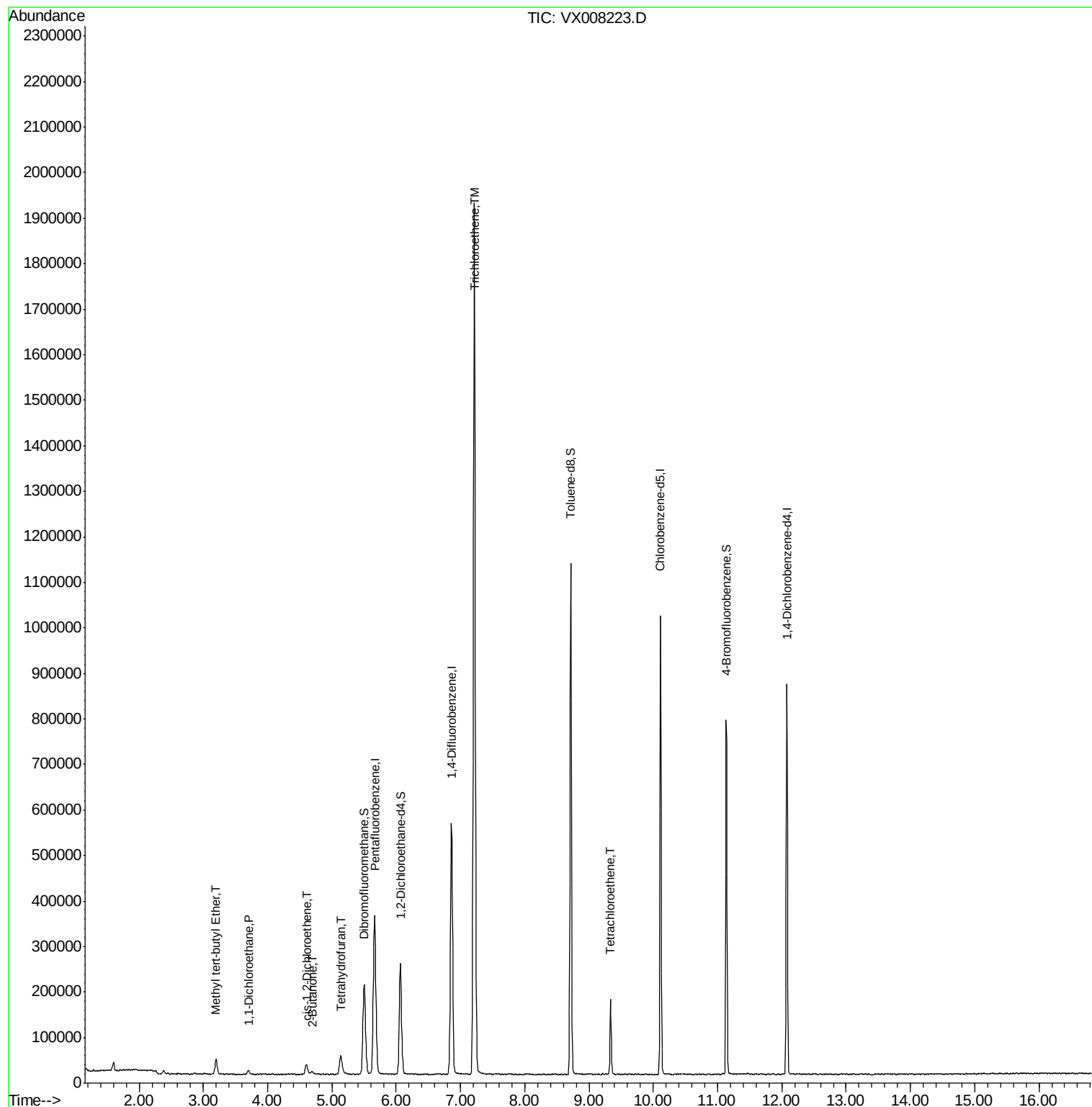
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	329771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	530520	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	441958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	226111	45.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.06%	
35) Dibromofluoromethane	5.50	113	170191	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
50) Toluene-d8	8.71	98	654257	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.13	95	200780	43.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.62%	
Target Compounds						
19) Methyl tert-butyl Ether	3.20	73	35875	2.480	ug/l	98
24) 1,1-Dichloroethane	3.71	63	9740	1.110	ug/l #	94
25) 2-Butanone	4.69	43	10349	2.489	ug/l	91
27) cis-1,2-Dichloroethene	4.61	96	14292	2.900	ug/l	98
29) Tetrahydrofuran	5.14	42	39507	15.199	ug/l	99
44) Trichloroethene	7.21	130	698542	156.272	ug/l	88
64) Tetrachloroethene	9.34	164	30731	7.707	ug/l	94

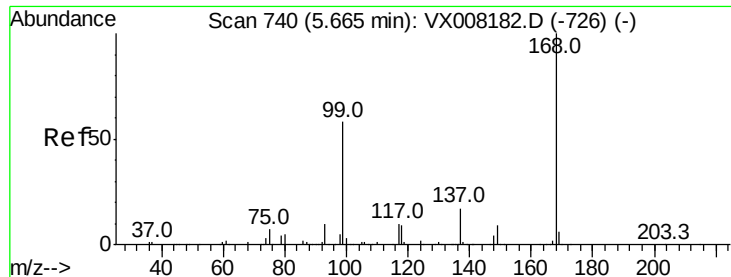
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008223.D

Acq: 20 Mar 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

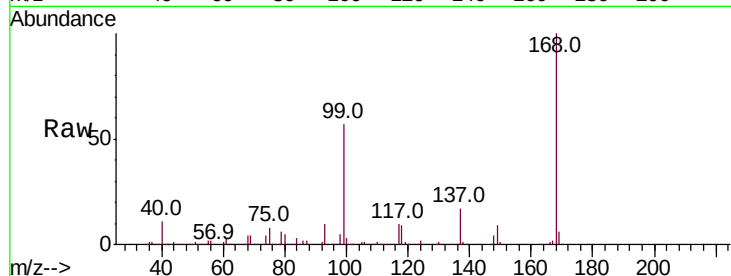
M3-T0-OZ(PRE)

Tot Ion:168 Resp: 329771

Ion Ratio Lower Upper

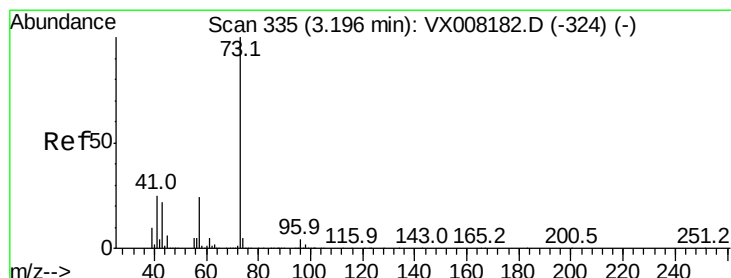
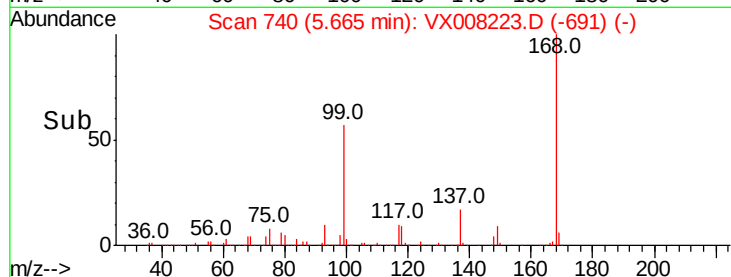
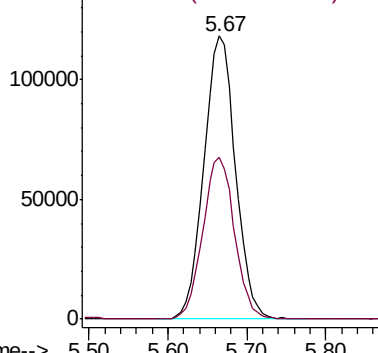
168 100

99 56.9 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#19

Methyl tert-butyl Ether

Concen: 2.480 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.01 min

Lab File: VX008223.D

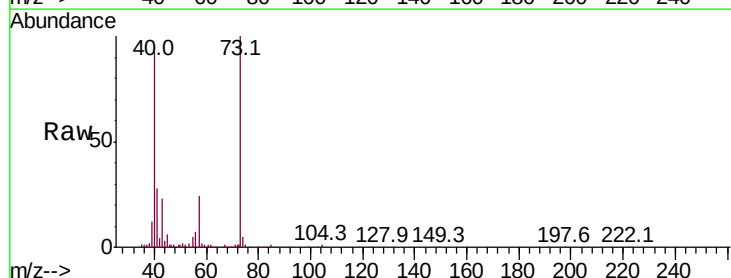
Acq: 20 Mar 2019 05:42

Tgt Ion: 73 Resp: 35875

Ion Ratio Lower Upper

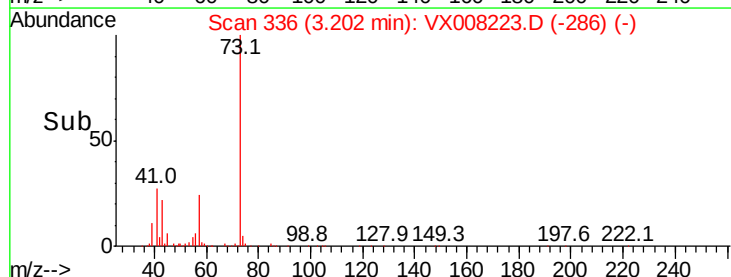
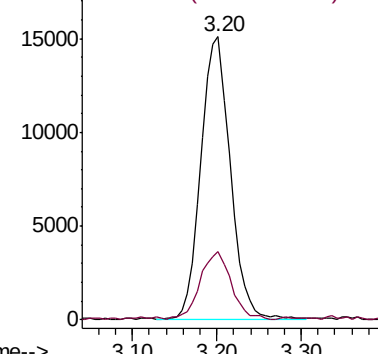
73 100

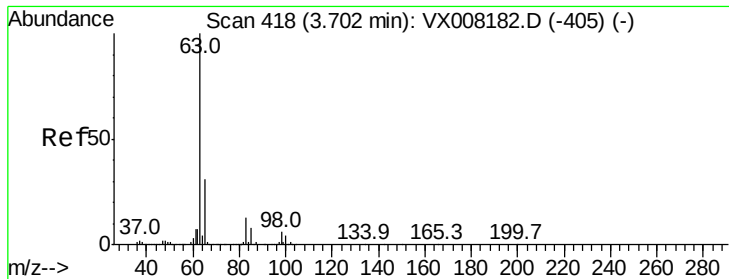
57 23.7 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#24

1,1-Dichloroethane

Concen: 1.110 ug/l

RT: 3.71 min Scan# 419

Delta R.T. 0.01 min

Lab File: VX008223.D

Acq: 20 Mar 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

M3-T0-OZ(PRE)

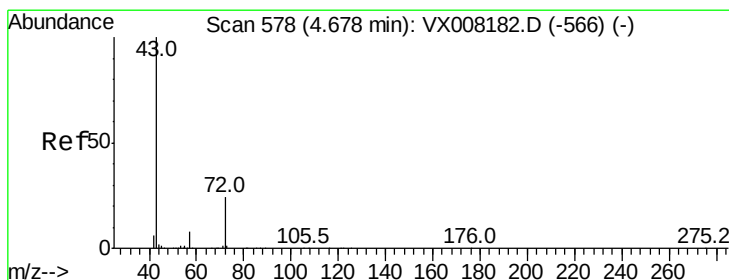
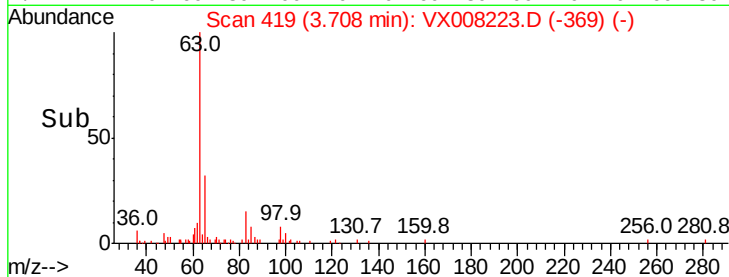
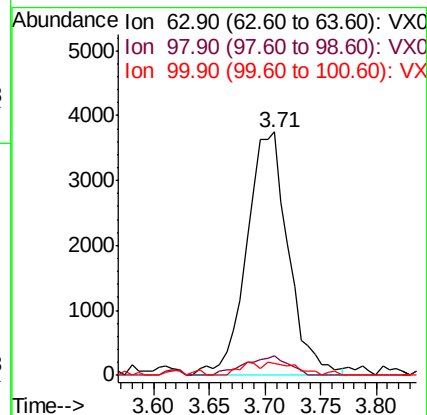
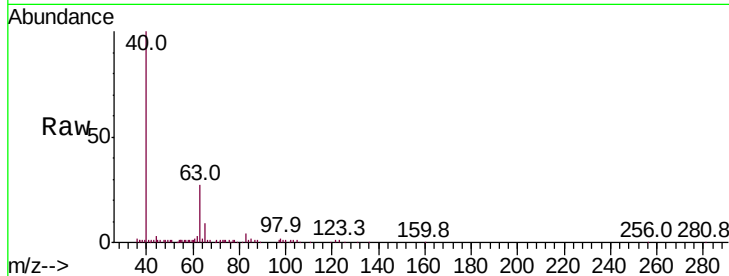
Tot Ion: 63 Resp: 9740

Ion Ratio Lower Upper

63 100

98 9.8 3.3 9.8#

100 4.8 2.3 6.8



#25

2-Butanone

Concen: 2.489 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX008223.D

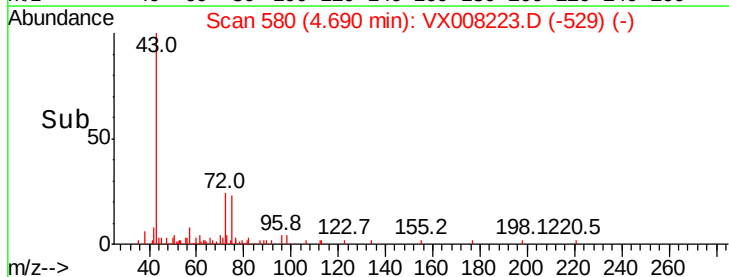
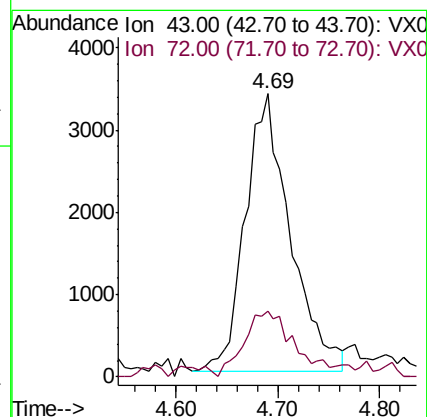
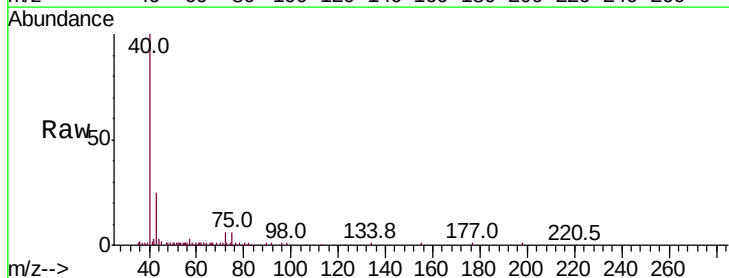
Acq: 20 Mar 2019 05:42

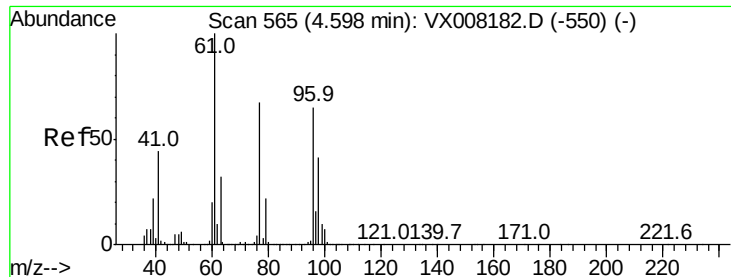
Tgt Ion: 43 Resp: 10349

Ion Ratio Lower Upper

43 100

72 20.5 19.9 29.9



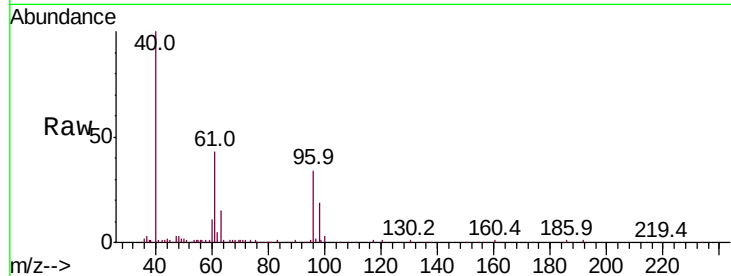


#27

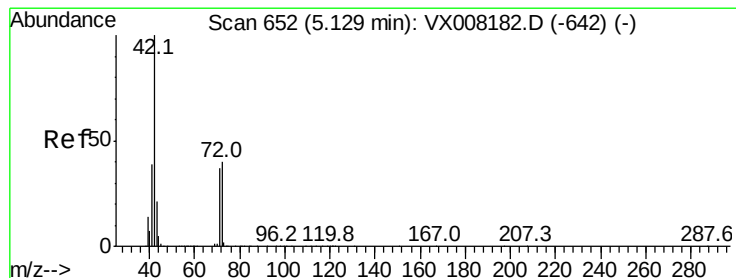
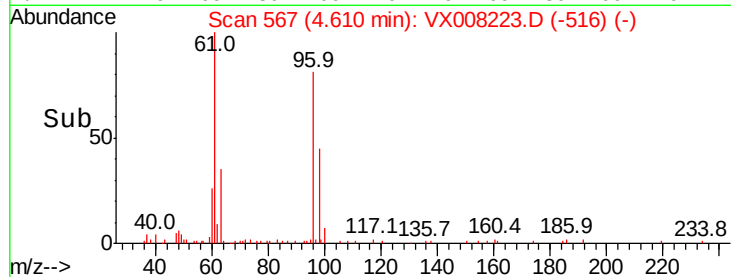
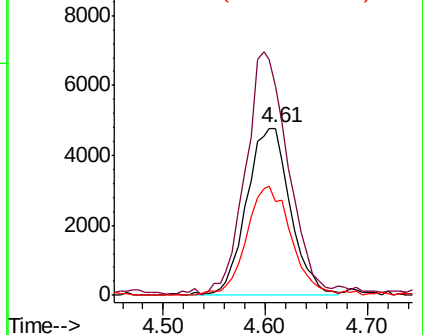
cis-1,2-Dichloroethene
 Concen: 2.900 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VX008223.D
 Acq: 20 Mar 2019 05:42

Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T0-OZ(PRE)

Tot Ion: 96 Resp: 14292
 Ion Ratio Lower Upper
 96 100
 61 141.5 0.0 288.0
 98 65.9 0.0 129.0



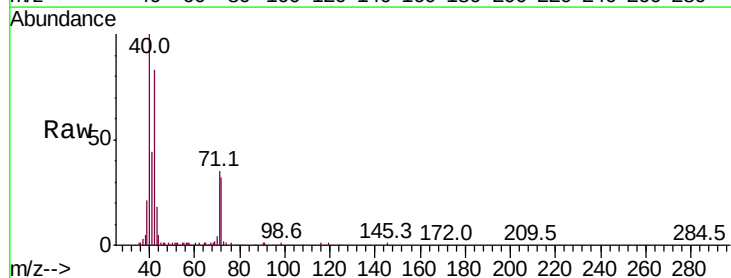
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



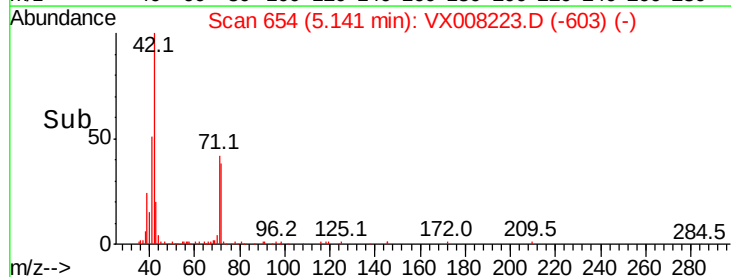
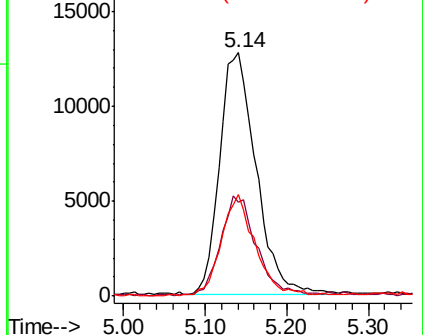
#29

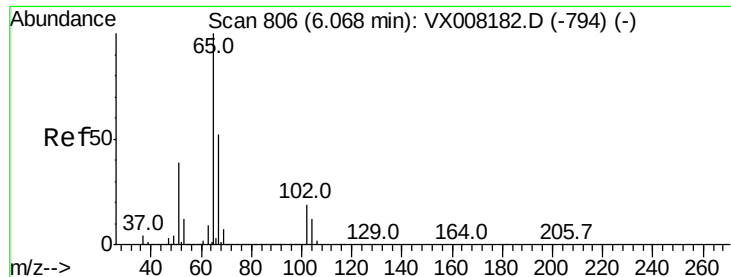
Tetrahydrofuran
 Concen: 15.199 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX008223.D
 Acq: 20 Mar 2019 05:42

Tgt Ion: 42 Resp: 39507
 Ion Ratio Lower Upper
 42 100
 72 41.4 33.8 50.6
 71 39.3 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

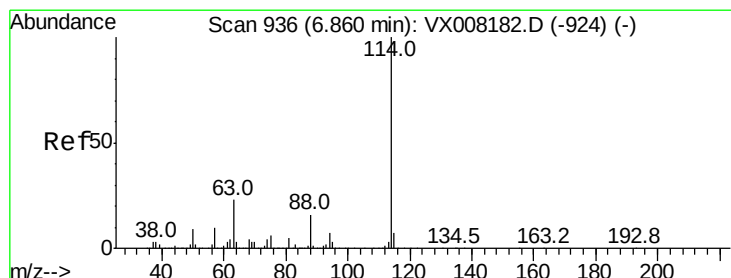
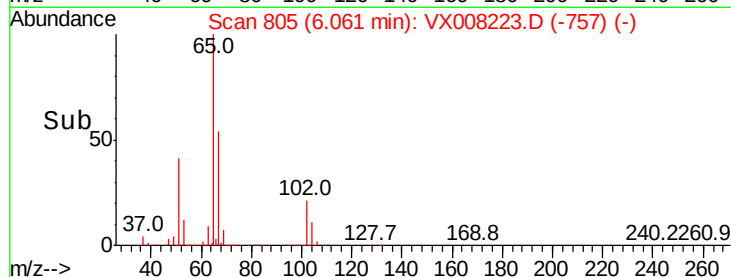
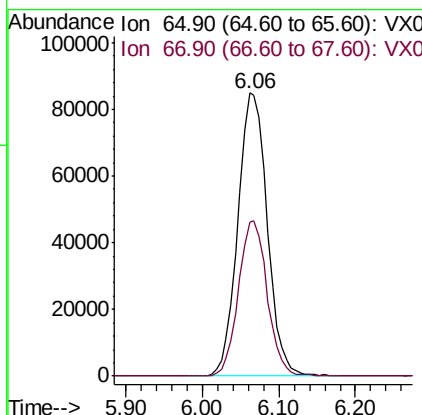
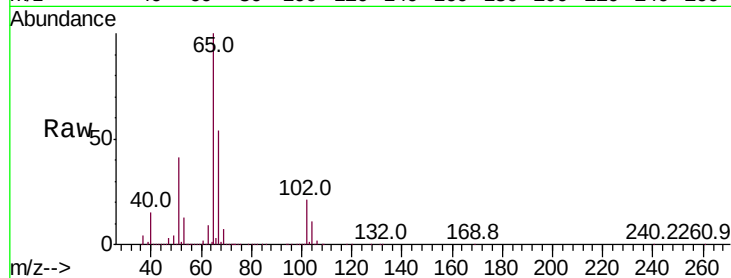




#33
 1,2-Dichloroethane-d4
 Concen: 45.526 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008223.D
 Acq: 20 Mar 2019 05:42

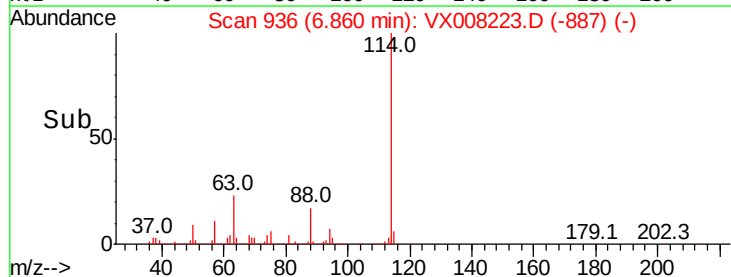
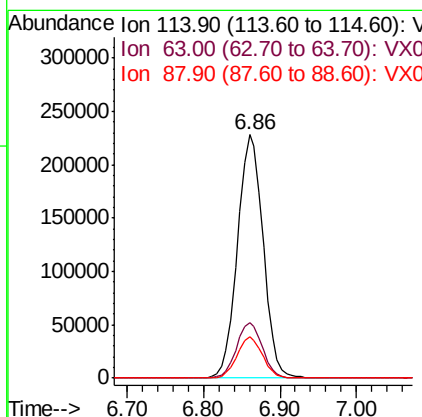
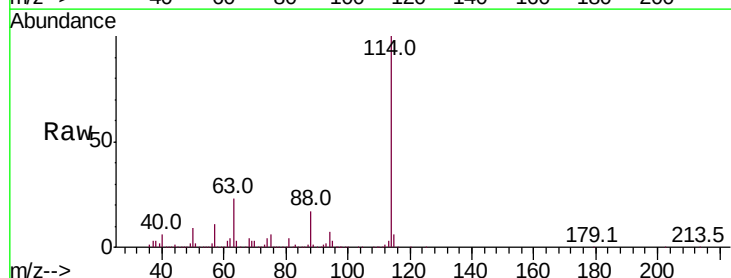
Instrument :
 MSVOA_X
 ClientSampleId :
 M3-T0-OZ(PRE)

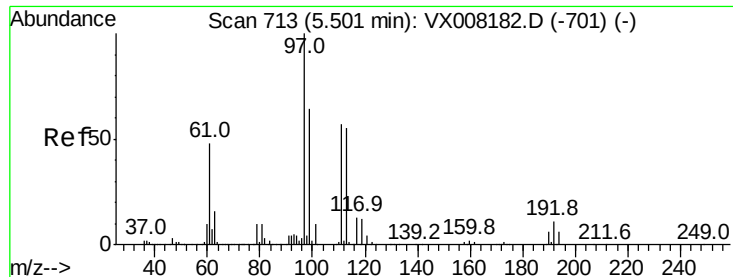
Tot Ion: 65 Resp: 226111
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008223.D
 Acq: 20 Mar 2019 05:42

Tgt Ion: 114 Resp: 530520
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.8
 88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.921 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008223.D

Acq: 20 Mar 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

M3-T0-OZ(PRE)

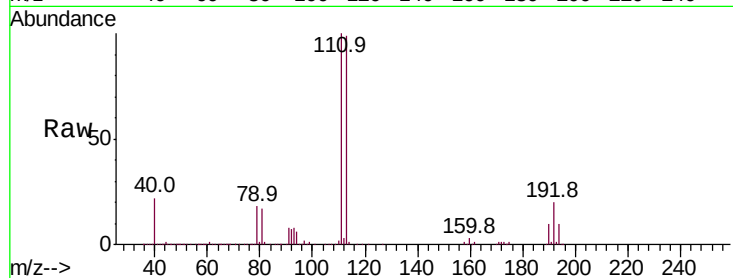
Tot Ion:113 Resp: 170191

Ion Ratio Lower Upper

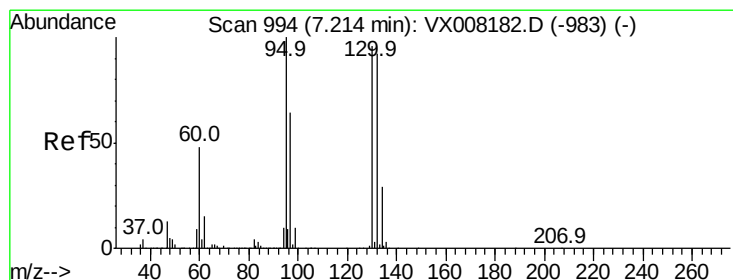
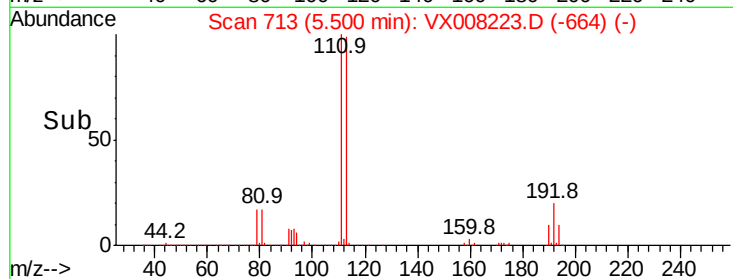
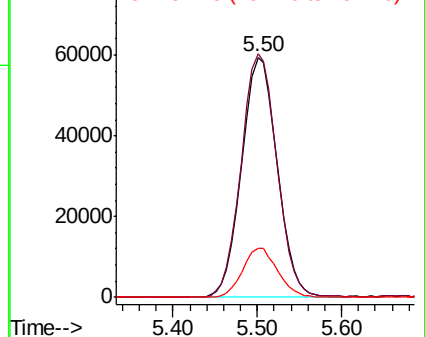
113 100

111 102.3 81.4 122.0

192 20.2 19.4 29.0



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



#44

Trichloroethene

Concen: 156.272 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008223.D

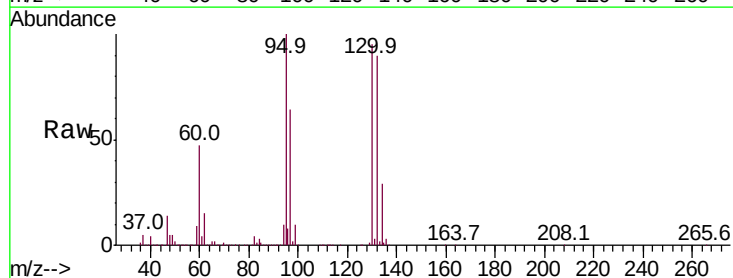
Acq: 20 Mar 2019 05:42

Tgt Ion:130 Resp: 698542

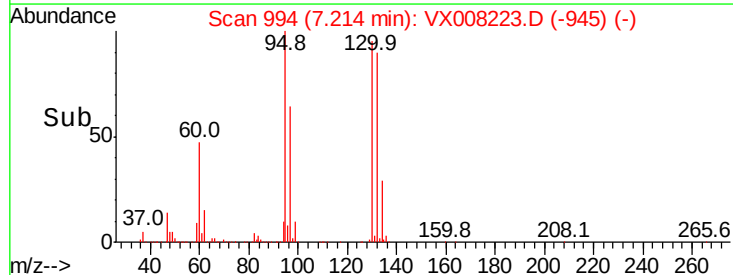
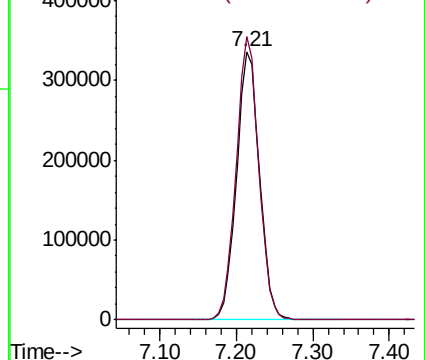
Ion Ratio Lower Upper

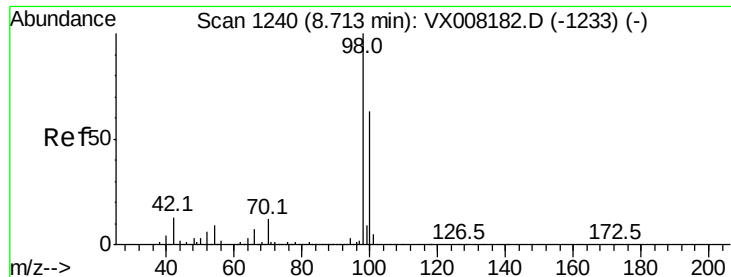
130 100

95 105.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.590 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008223.D

Acq: 20 Mar 2019 05:42

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ClientSampleId :

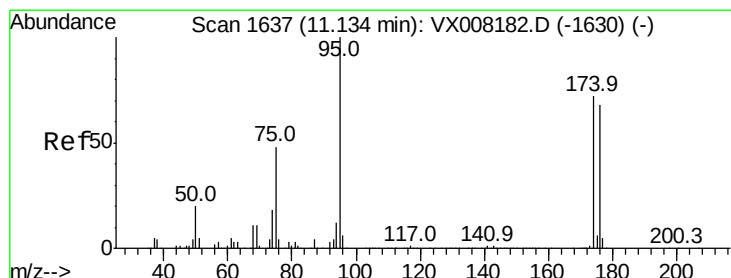
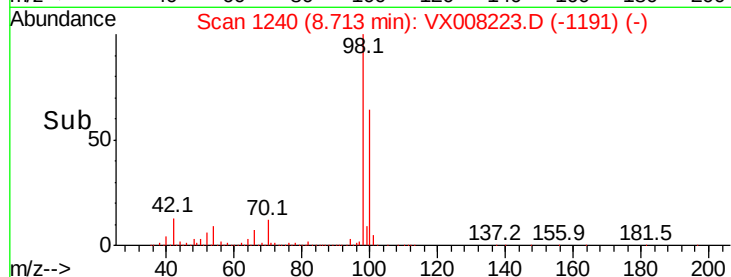
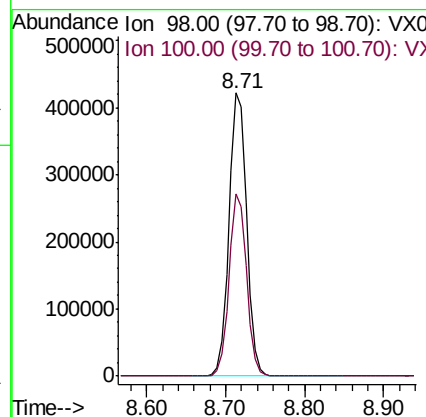
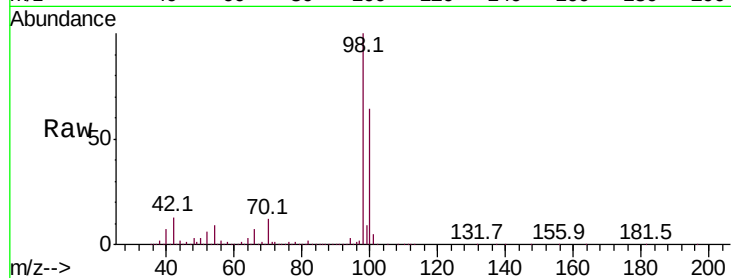
M3-T0-OZ(PRE)

Tot Ion: 98 Resp: 654257

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 43.307 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008223.D

Acq: 20 Mar 2019 05:42

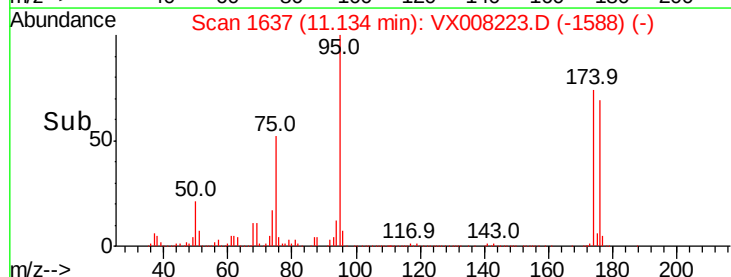
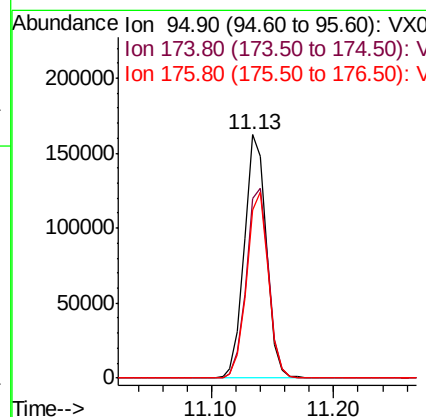
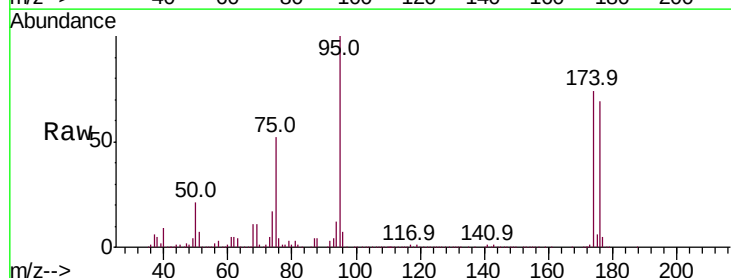
Tgt Ion: 95 Resp: 200780

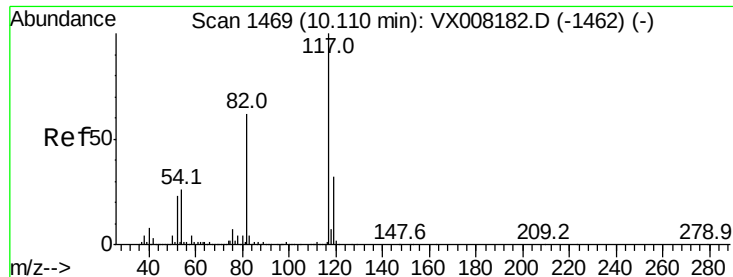
Ion Ratio Lower Upper

95 100

174 79.3 0.0 182.8

176 76.0 0.0 178.0

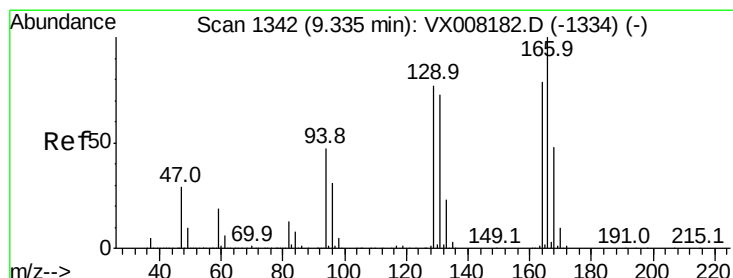
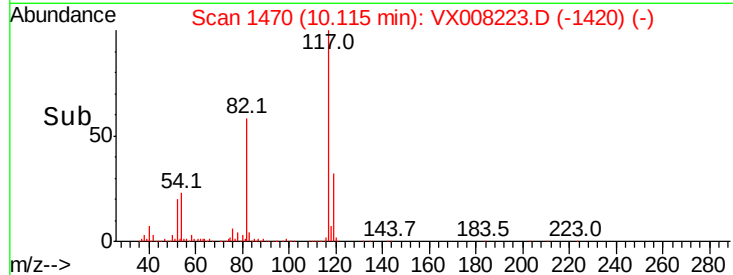
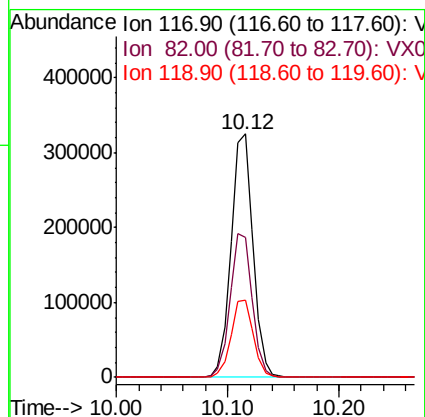
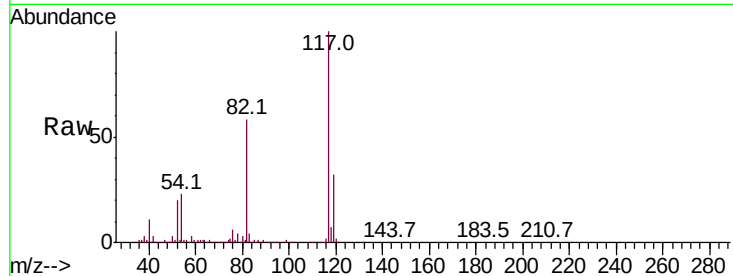




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008223.D
Acq: 20 Mar 2019 05:42

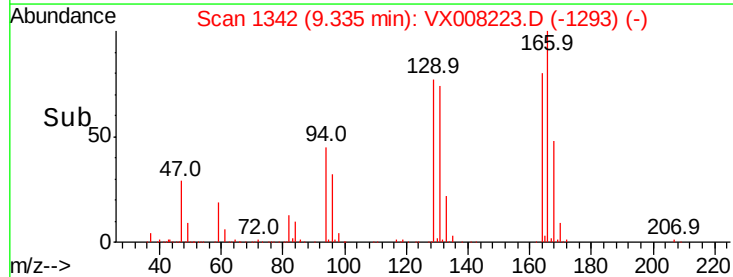
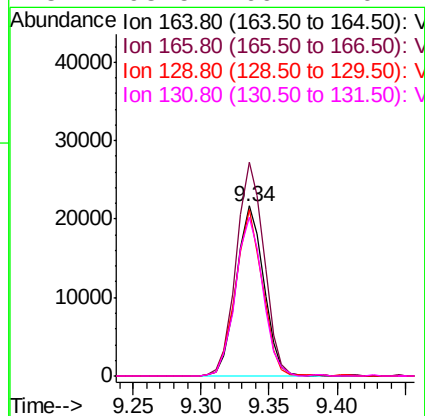
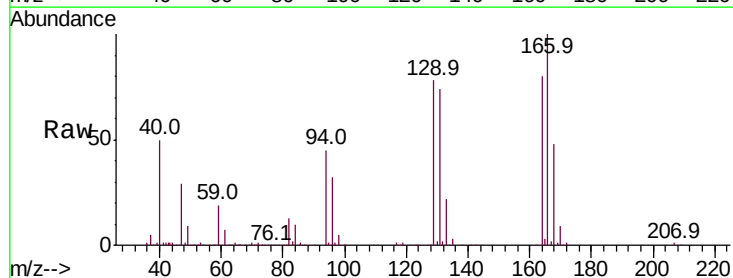
Instrument :
MSVOA_X
ClientSampleId :
M3-T0-OZ(PRE)

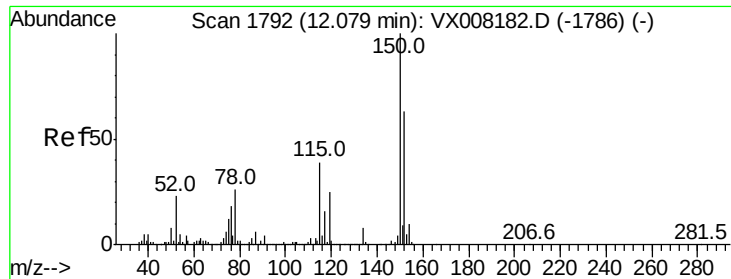
Tot Ion:117 Resp: 441958
Ion Ratio Lower Upper
117 100
82 57.6 44.3 66.5
119 31.6 25.3 37.9



#64
Tetrachloroethene
Concen: 7.707 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008223.D
Acq: 20 Mar 2019 05:42

Tgt Ion:164 Resp: 30731
Ion Ratio Lower Upper
164 100
166 125.5 103.4 155.0
129 97.5 72.2 108.4
131 93.5 69.4 104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008223.D

Acq: 20 Mar 2019 05:42

Instrument :

MSVOA_X

ClientSampleId :

M3-T0-OZ(PRE)

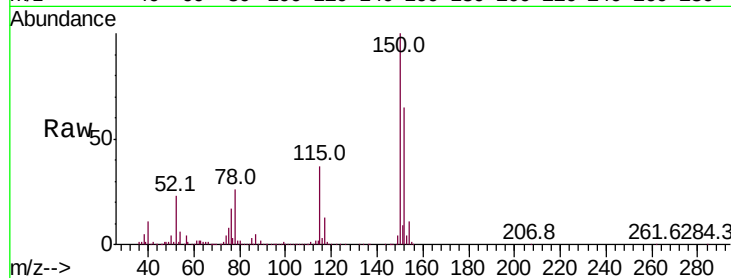
Tot Ion:152 Resp: 168768

Ion Ratio Lower Upper

152 100

115 60.0 38.6 115.7

150 157.8 0.0 348.4



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

