

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008091.D
 Acq On : 15 Mar 2019 01:06
 Operator : JC/SP
 Sample : K1839-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20190307

Quant Time: Mar 15 05:30:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	300452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	439831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217378	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	149961	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
35) Dibromofluoromethane	5.51	113	143941	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.71	98	555167	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	207332	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	

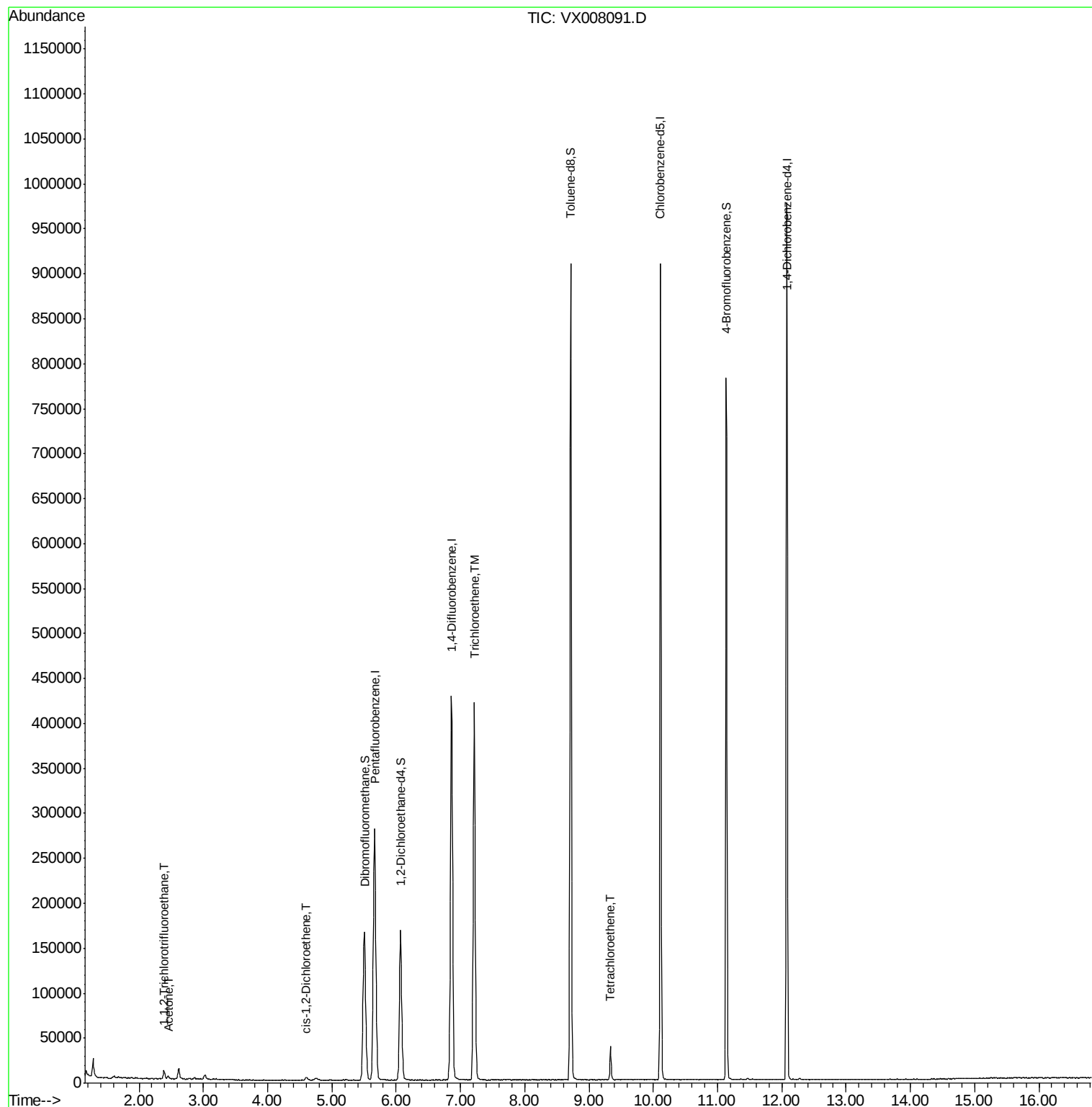
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3131	1.292	ug/l	96
16) Acetone	2.45	43	3672	2.566	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1790	0.610	ug/l	87
44) Trichloroethene	7.21	130	175989	52.907	ug/l	97
64) Tetrachloroethene	9.34	164	7764	2.179	ug/l	98

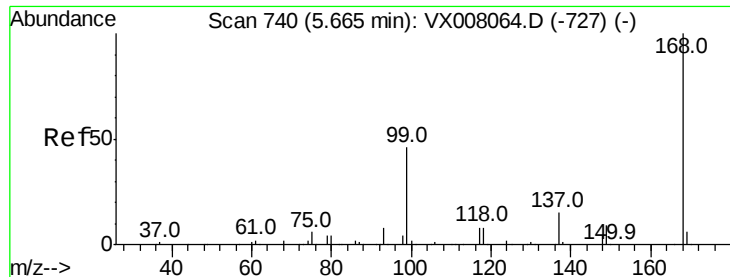
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008091.D

Acq: 15 Mar 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

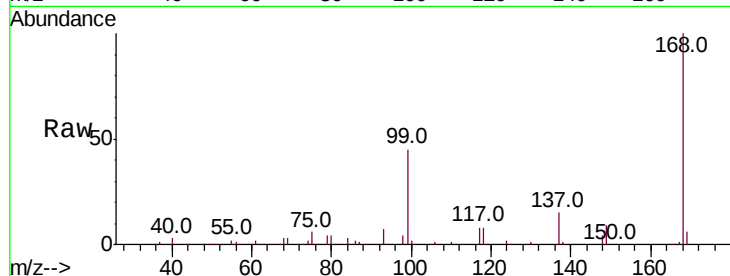
RE104D1-20190307

Tot Ion:168 Resp: 300452

Ion Ratio Lower Upper

168 100

99 45.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

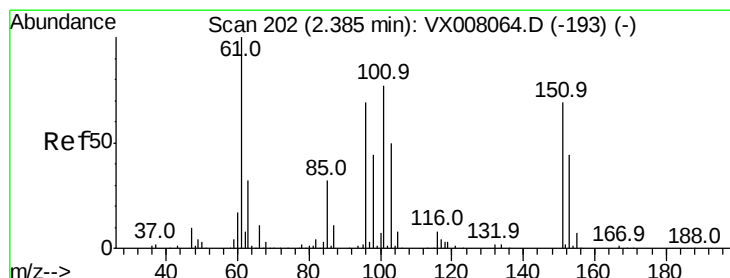
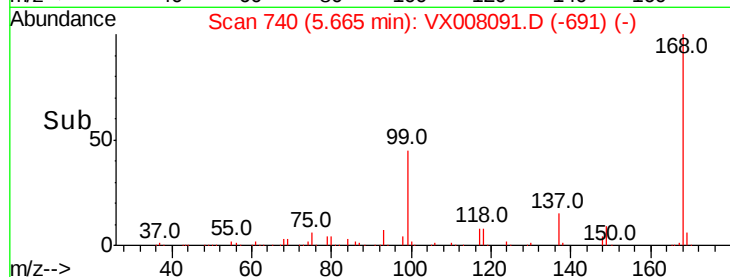
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.292 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

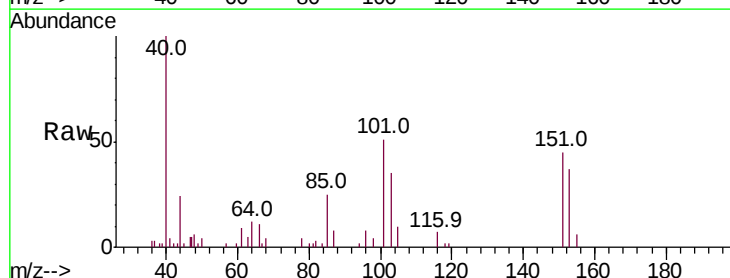
Tgt Ion:101 Resp: 3131

Ion Ratio Lower Upper

101 100

85 48.2 33.8 50.6

151 88.0 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2000

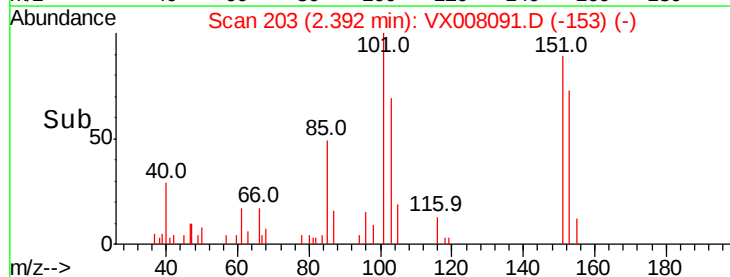
1500

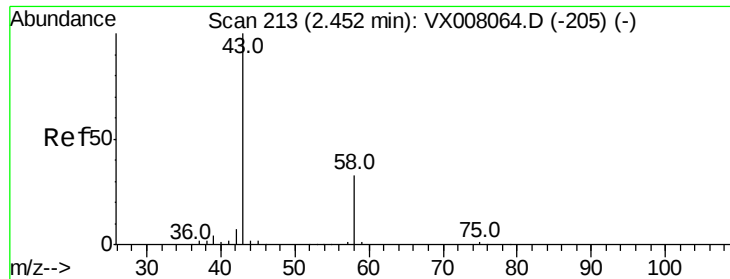
1000

500

0

Time--> 2.30 2.35 2.40 2.45





#16

Acetone

Concen: 2.566 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

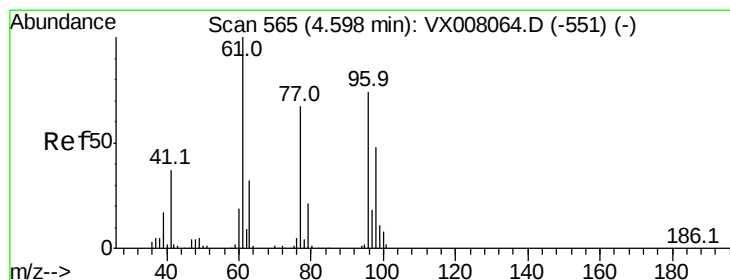
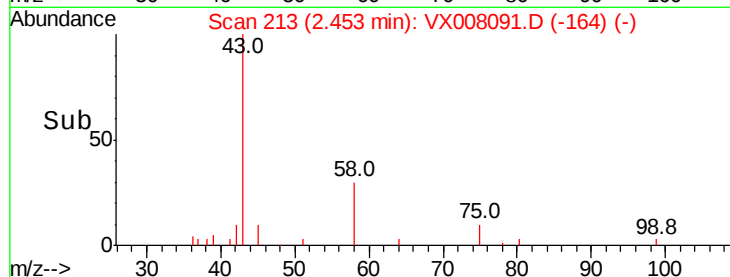
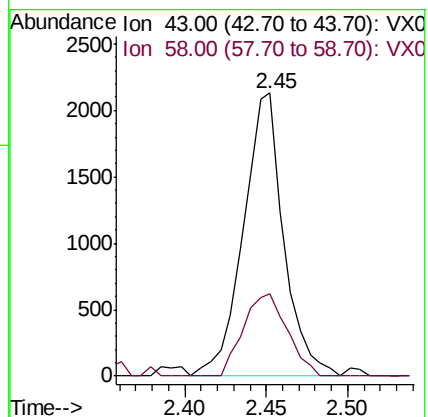
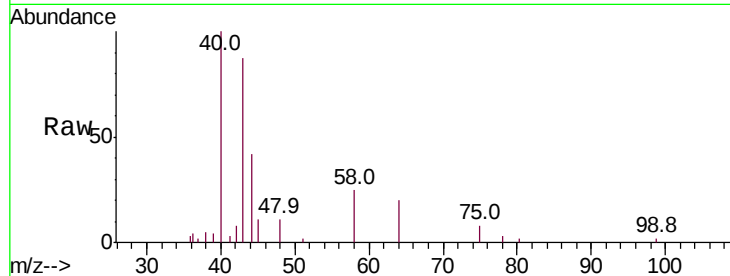
RE104D1-20190307

Tot Ion: 43 Resp: 3672

Ion Ratio Lower Upper

43 100

58 29.0 25.5 38.3



#27

cis-1,2-Dichloroethene

Concen: 0.610 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

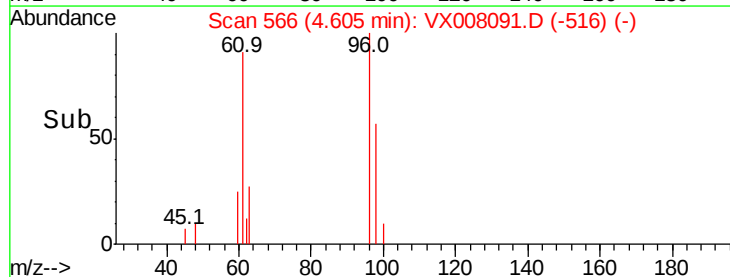
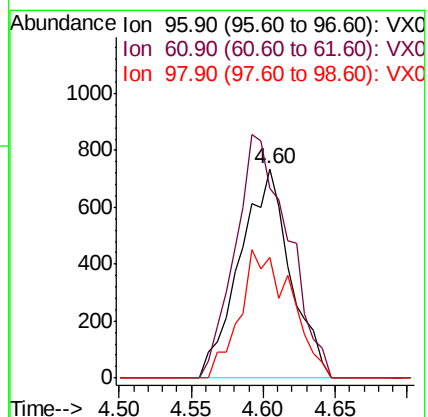
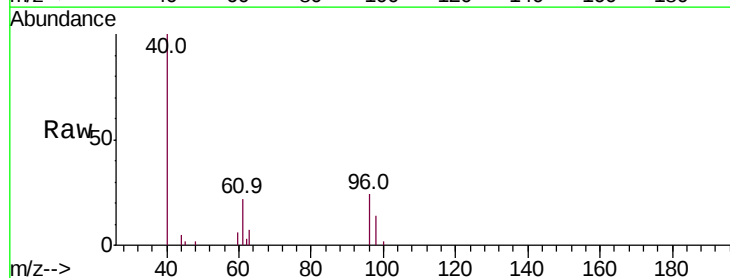
Tgt Ion: 96 Resp: 1790

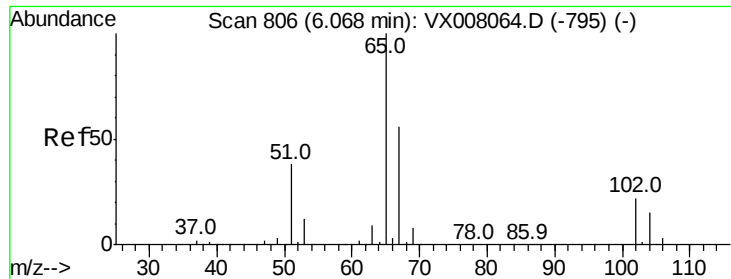
Ion Ratio Lower Upper

96 100

61 122.8 0.0 288.0

98 61.9 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 49.479 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

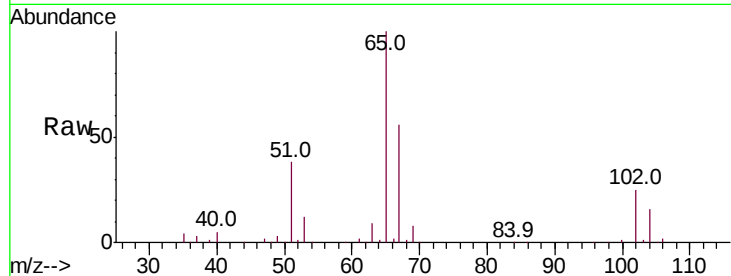
RE104D1-20190307

Tot Ion: 65 Resp: 149961

Ion Ratio Lower Upper

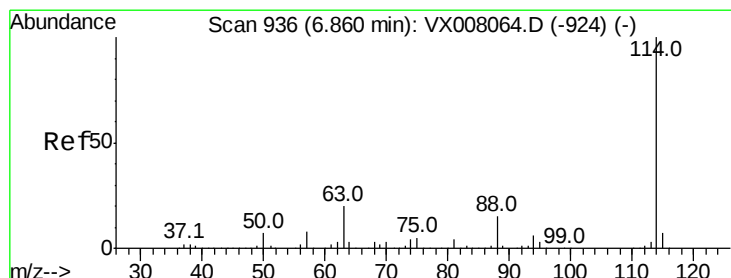
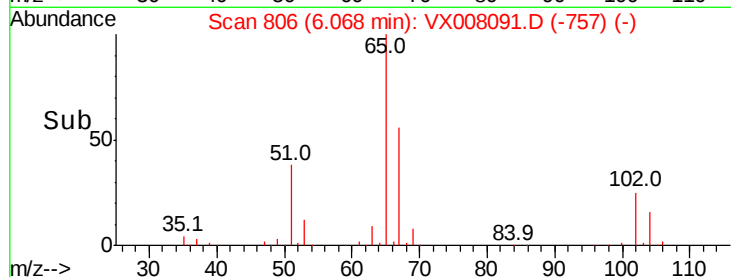
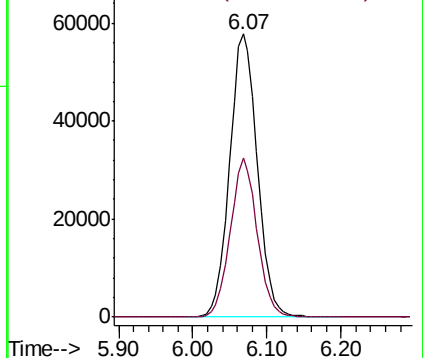
65 100

67 54.5 0.0 110.0



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: VX008091.D

Acq: 15 Mar 2019 01:06

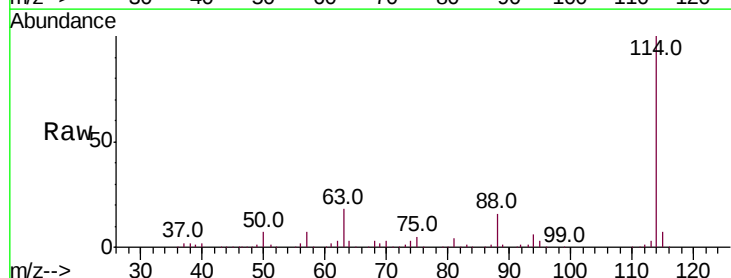
Tgt Ion: 114 Resp: 457332

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.8

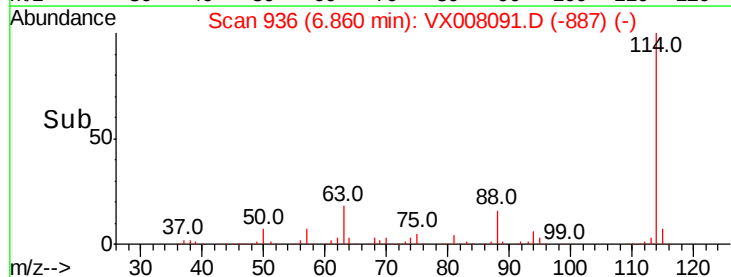
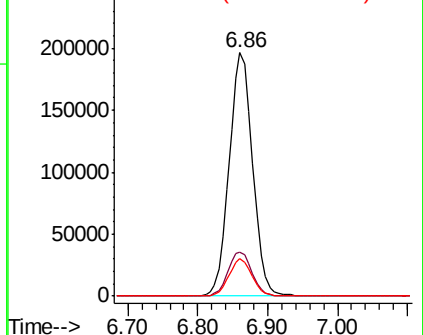
88 15.6 0.0 31.4

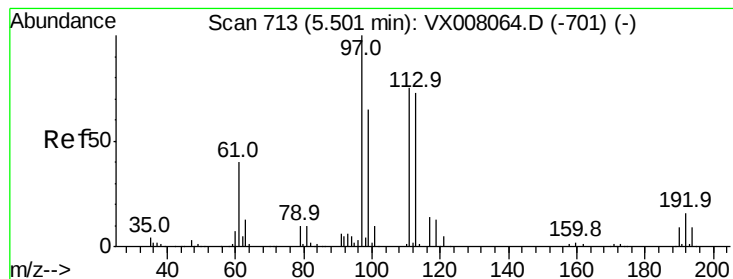


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.632 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20190307

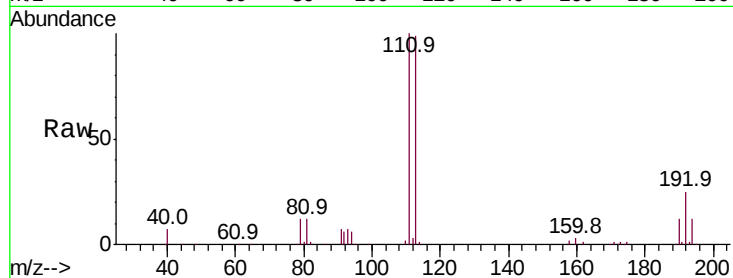
Tot Ion:113 Resp: 143941

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

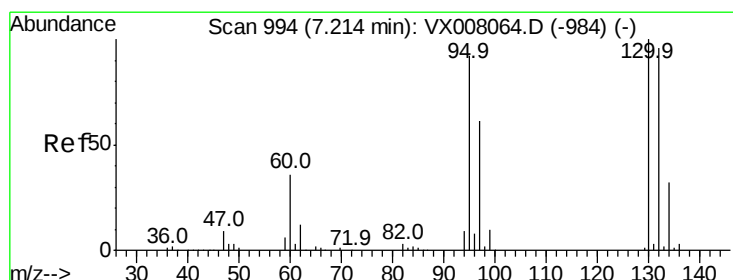
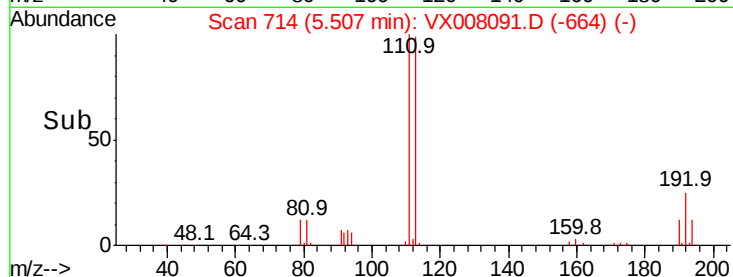
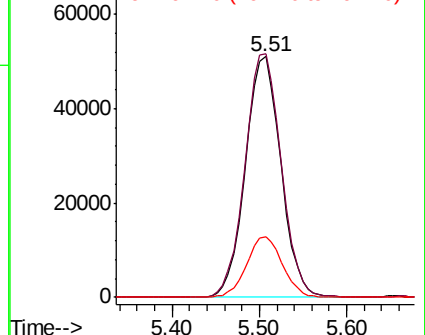
192 25.4 19.4 29.0



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: 52.907 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008091.D

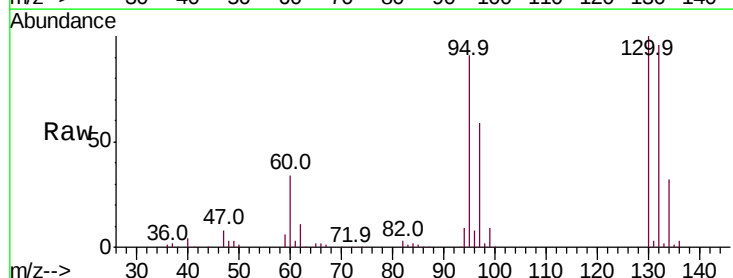
Acq: 15 Mar 2019 01:06

Tgt Ion:130 Resp: 175989

Ion Ratio Lower Upper

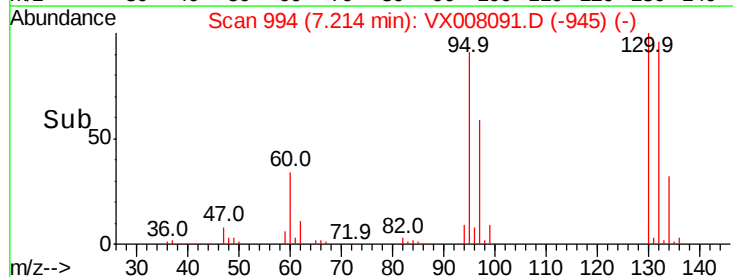
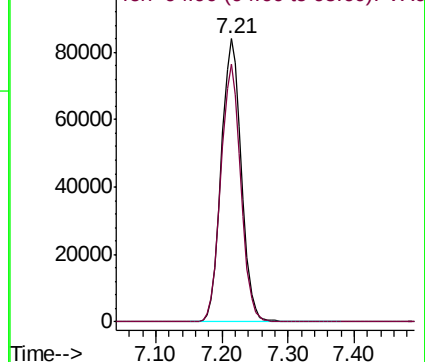
130 100

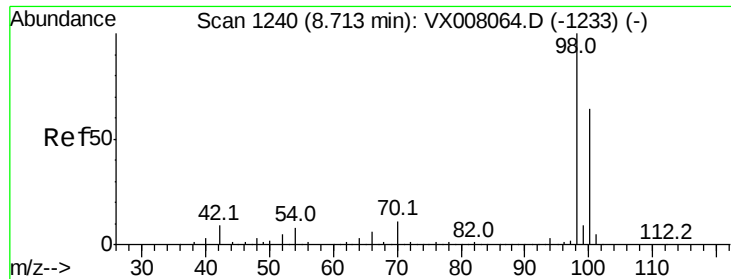
95 91.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.332 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

Instrument :

MSVOA_X

ClientSampleId :

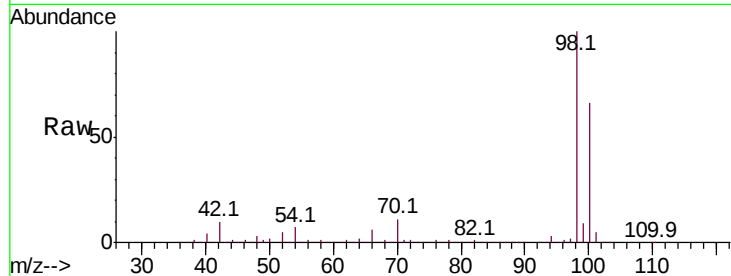
RE104D1-20190307

Tot Ion: 98 Resp: 555167

Ion Ratio Lower Upper

98 100

100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

300000

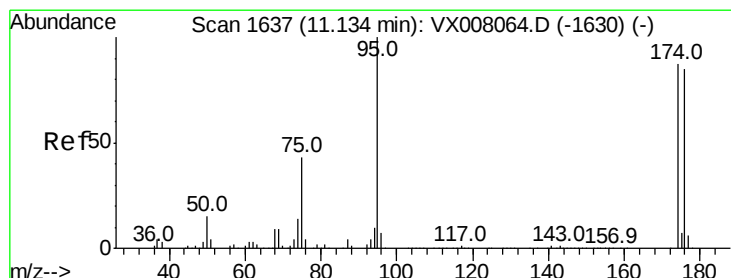
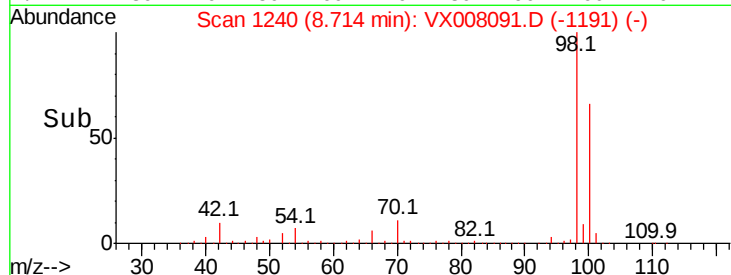
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 52.471 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008091.D

Acq: 15 Mar 2019 01:06

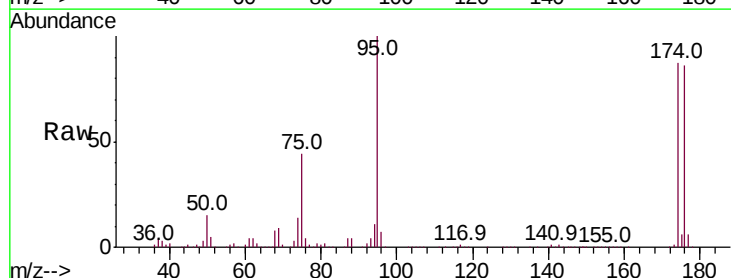
Tgt Ion: 95 Resp: 207332

Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.8

176 92.2 0.0 178.0



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

11.13

200000

150000

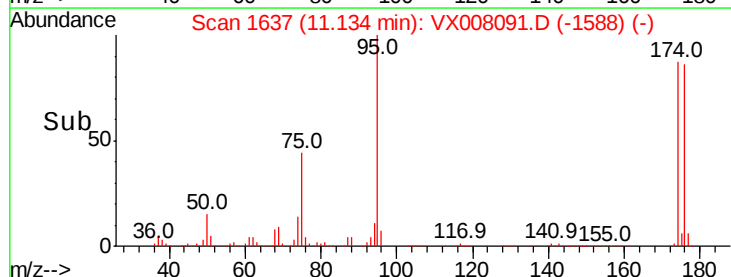
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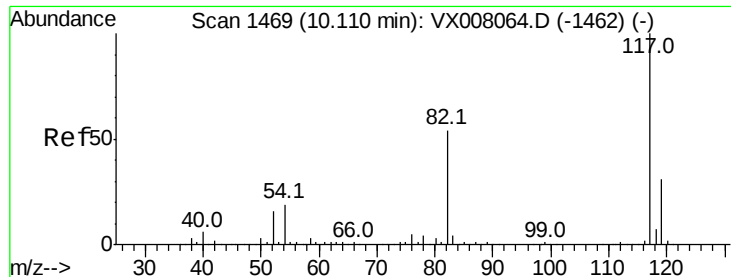
50000

0

Time-->

11.10 11.20

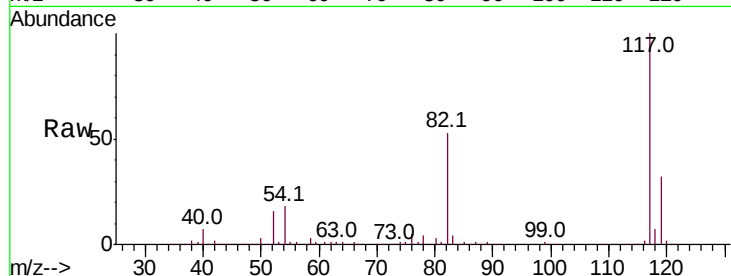




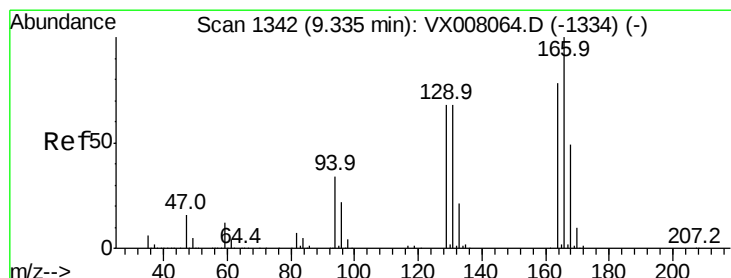
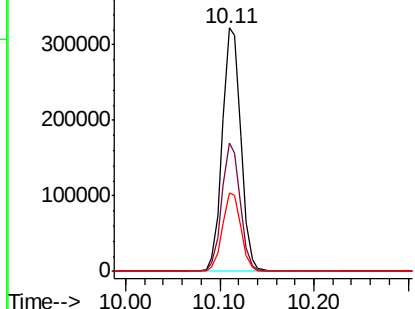
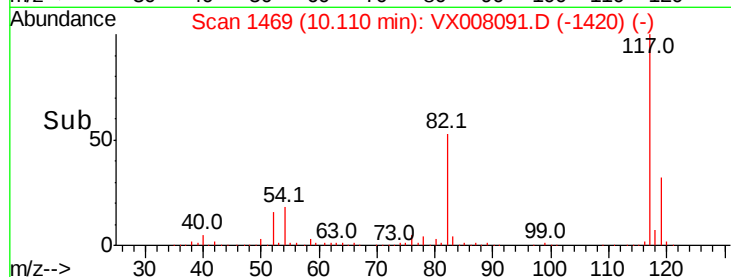
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008091.D
Acq: 15 Mar 2019 01:06

Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20190307

Tot Ion:117 Resp: 439831
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 32.3 25.3 37.9

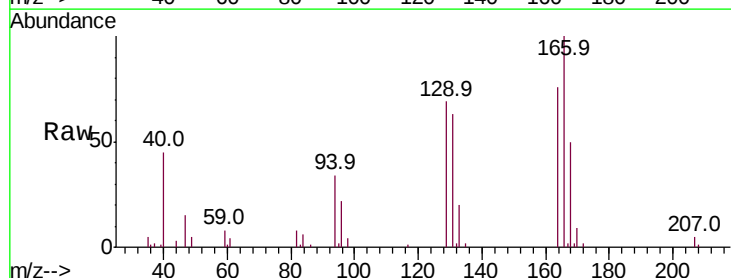


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

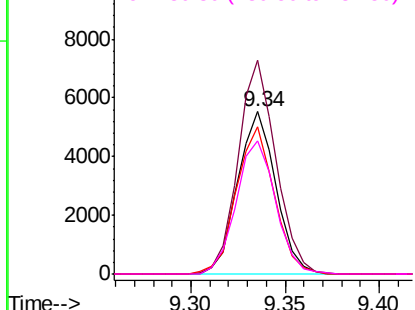
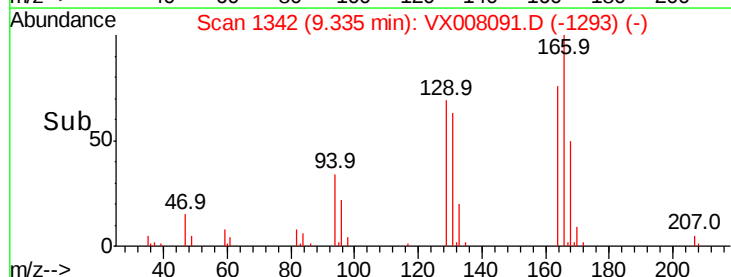


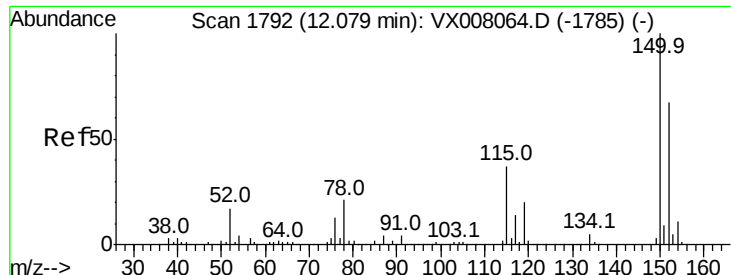
#64
Tetrachloroethene
Concen: 2.179 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008091.D
Acq: 15 Mar 2019 01:06

Tgt Ion:164 Resp: 7764
Ion Ratio Lower Upper
164 100
166 131.6 103.4 155.0
129 90.3 72.2 108.4
131 82.4 69.4 104.2



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

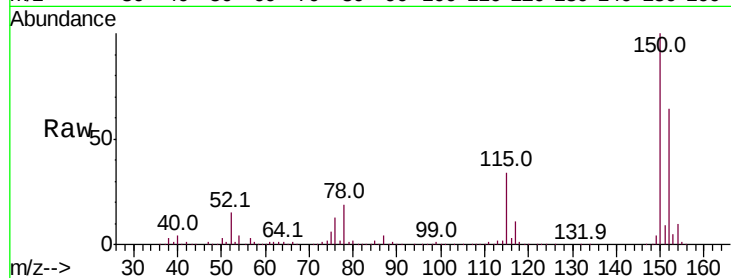




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX008091.D
 Acq: 15 Mar 2019 01:06

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20190307

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.6	115.7
150	156.3	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

