

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072018\
 Data File : VX003528.D
 Acq On : 21 Jul 2018 00:30
 Operator : JC/SP
 Sample : J4014-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-071218

Quant Time: Jul 23 11:56:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	291991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219428	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	182621	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	5.50	113	169861	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	8.72	98	605071	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	206335	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

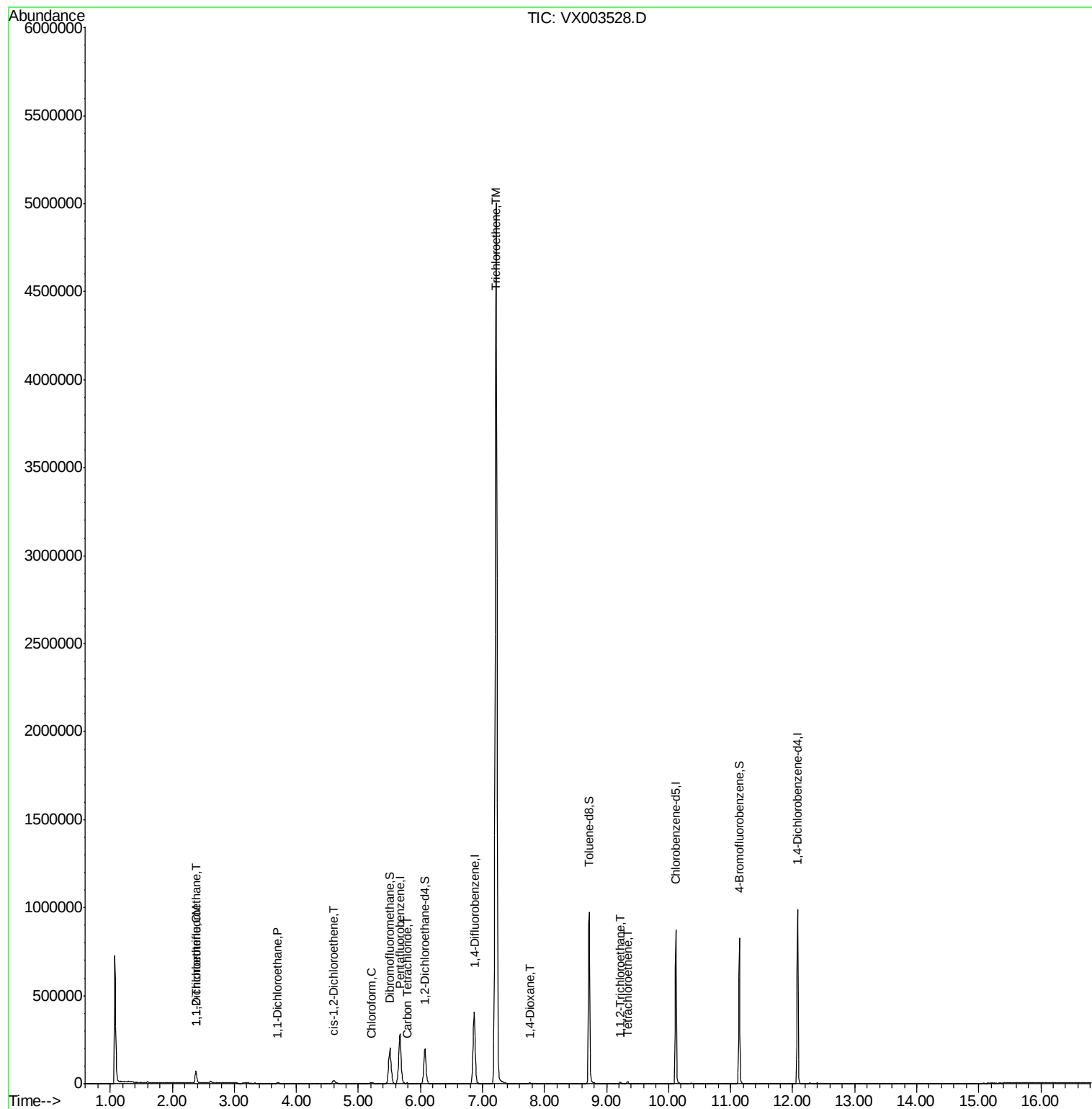
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	16416	5.068	ug/l	96
12) 1,1-Dichloroethene	2.37	96	12017	4.029	ug/l	94
24) 1,1-Dichloroethane	3.70	63	5380	0.923	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	7841	2.122	ug/l #	1
30) Chloroform	5.22	83	4277	0.751	ug/l	87
38) Carbon Tetrachloride	5.78	117	1571	0.351	ug/l #	77
44) Trichloroethene	7.22	130	2037169	496.263	ug/l	99
49) 1,4-Dioxane	7.76	88	2058	26.245	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	2180	0.632	ug/l	95
64) Tetrachloroethene	9.34	164	2643	0.543	ug/l	95

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

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

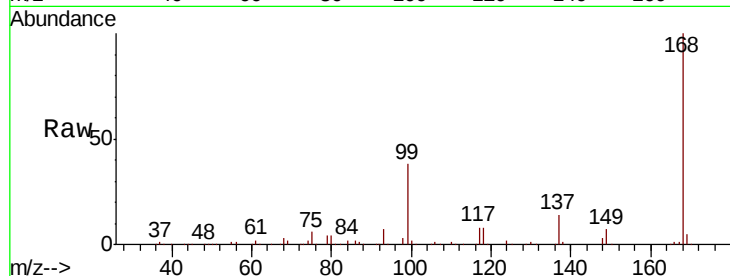
RE103D1-071218

Tgt Ion:168 Resp: 291991

Ion Ratio Lower Upper

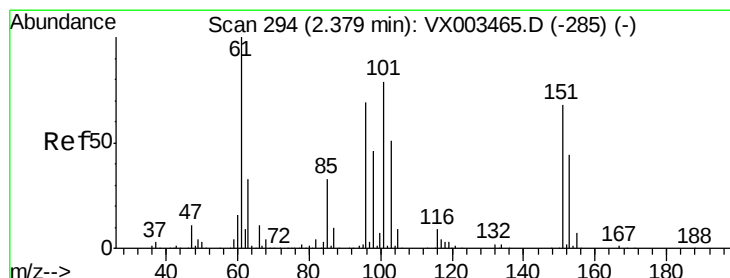
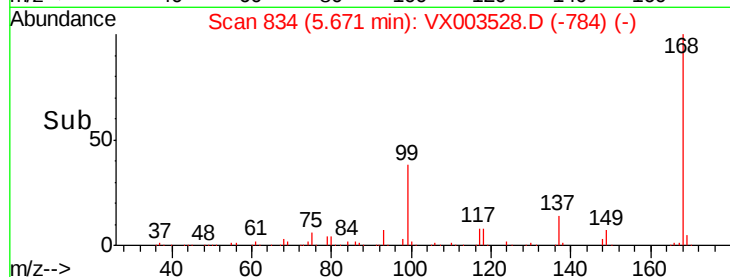
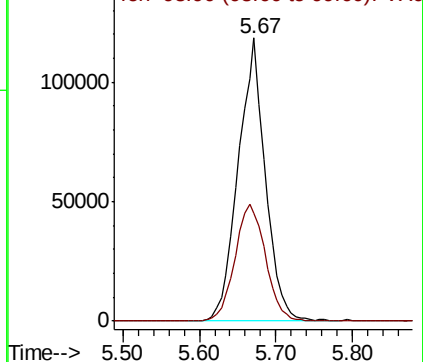
168 100

99 38.2 39.3 58.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.068 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

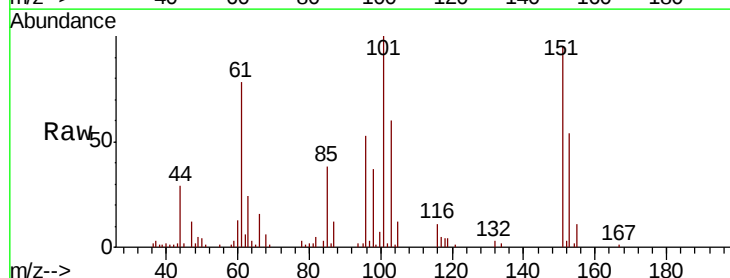
Tgt Ion:101 Resp: 16416

Ion Ratio Lower Upper

101 100

85 40.9 36.0 54.0

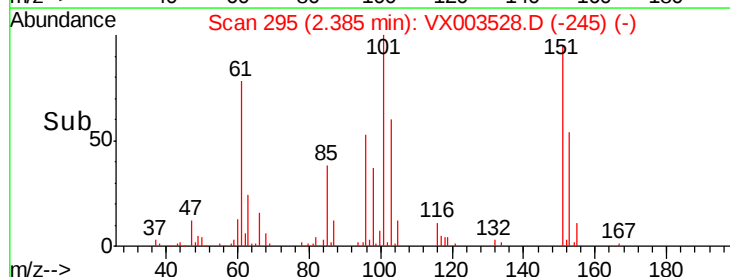
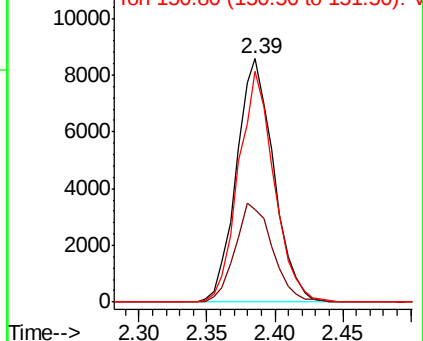
151 90.7 70.9 106.3

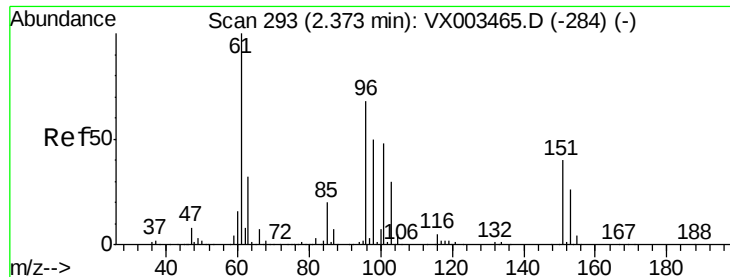


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 4.029 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-071218

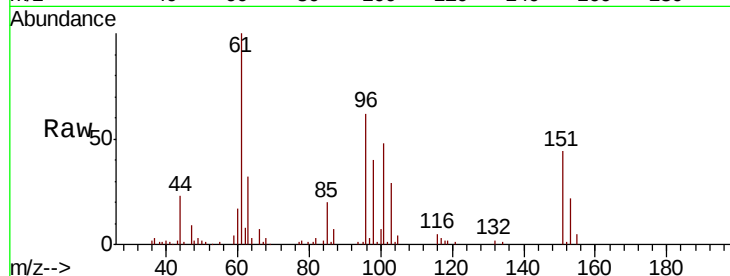
Tgt Ion: 96 Resp: 12017

Ion Ratio Lower Upper

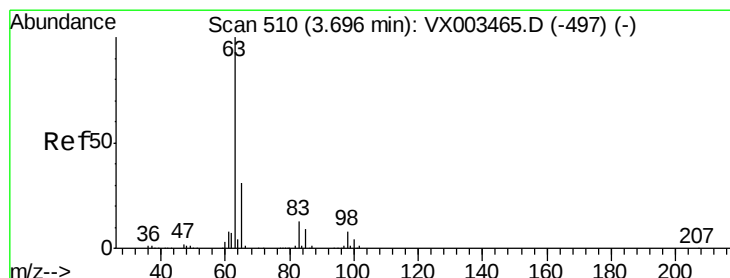
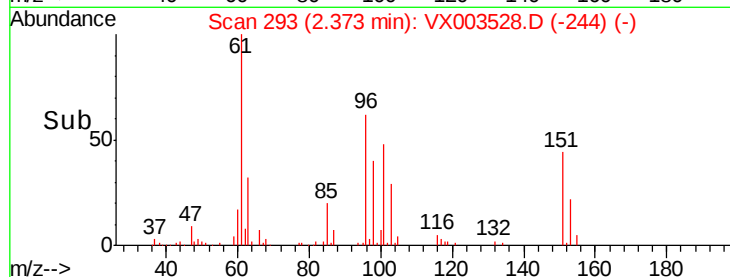
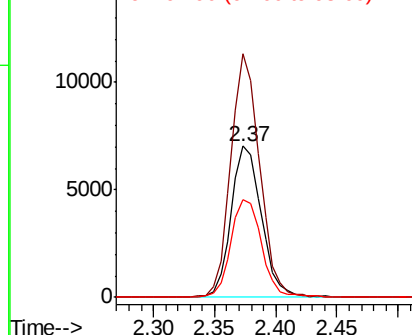
96 100

61 160.9 137.9 206.9

98 64.9 51.6 77.4



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: 0.923 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

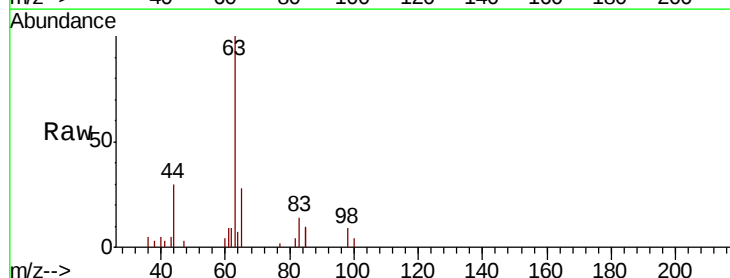
Tgt Ion: 63 Resp: 5380

Ion Ratio Lower Upper

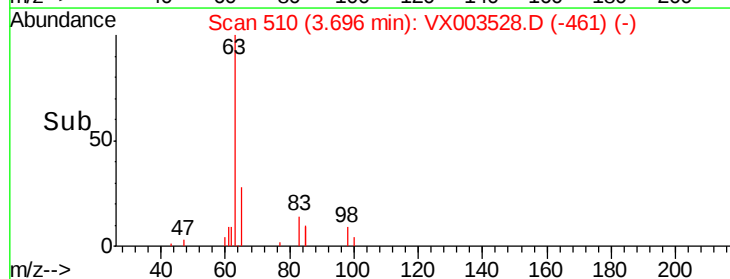
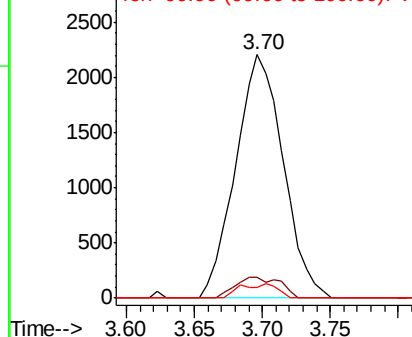
63 100

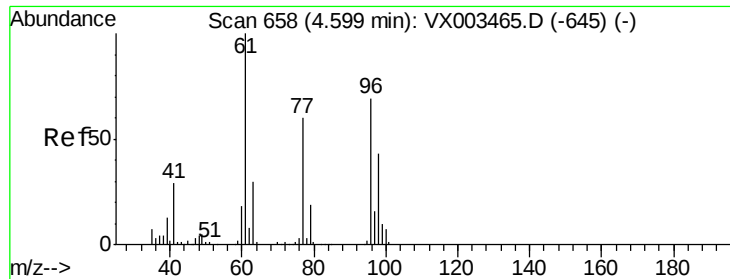
98 8.6 3.4 10.2

100 4.3 2.0 6.0



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



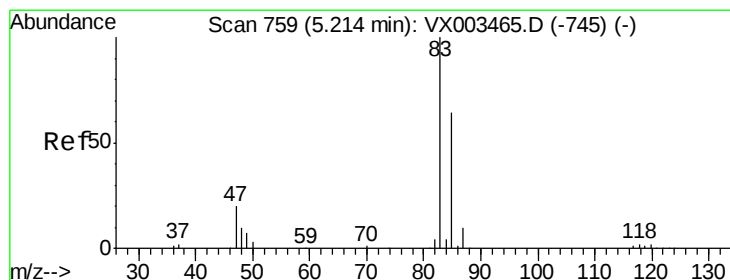
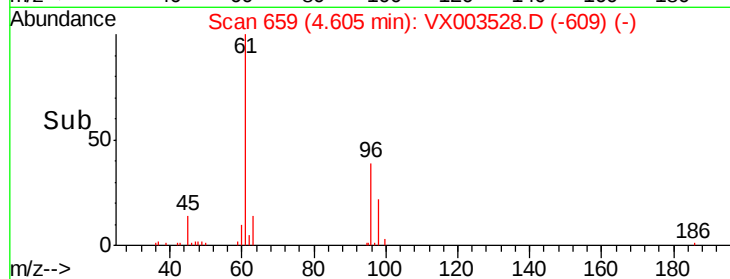
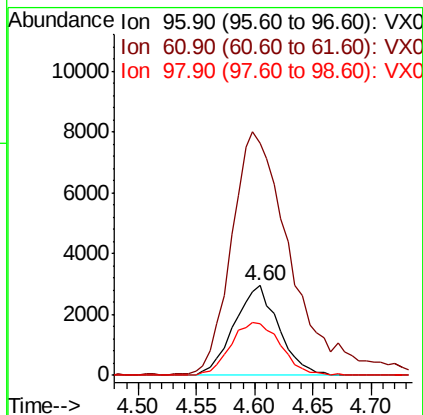
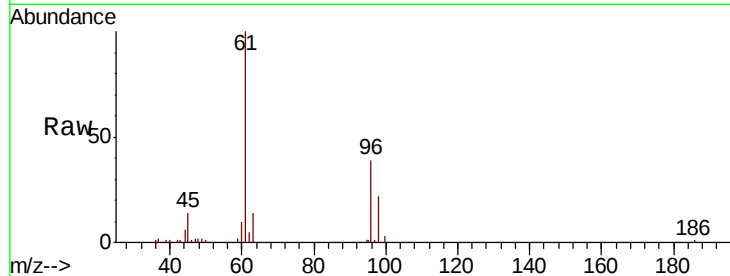


#27

cis-1,2-Dichloroethene
 Concen: 2.122 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-071218

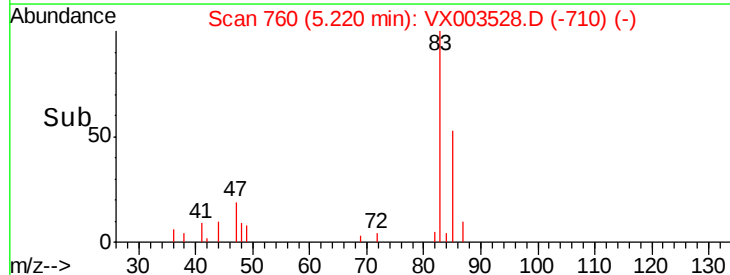
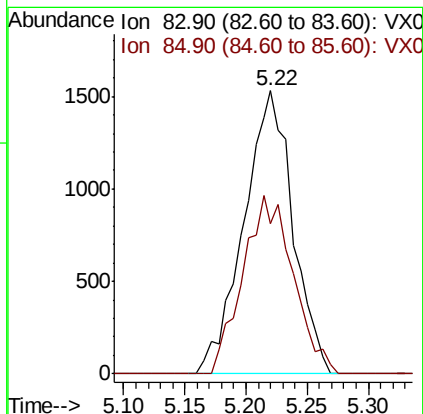
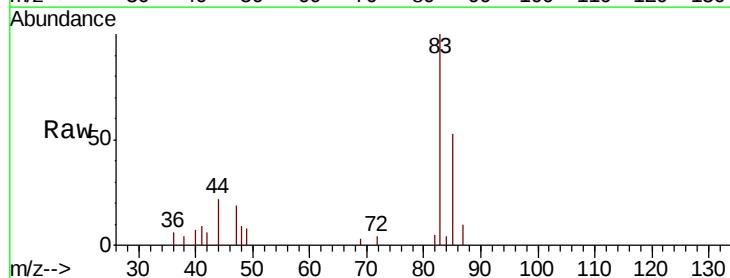
Tgt Ion: 96 Resp: 7841
 Ion Ratio Lower Upper
 96 100
 61 376.3 0.0 330.2#
 98 66.1 0.0 130.2

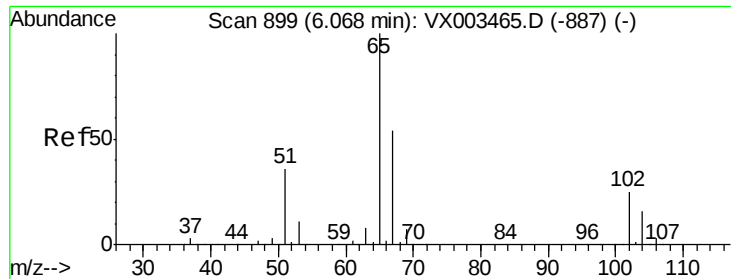


#30

Chloroform
 Concen: 0.751 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

Tgt Ion: 83 Resp: 4277
 Ion Ratio Lower Upper
 83 100
 85 53.1 50.4 75.6

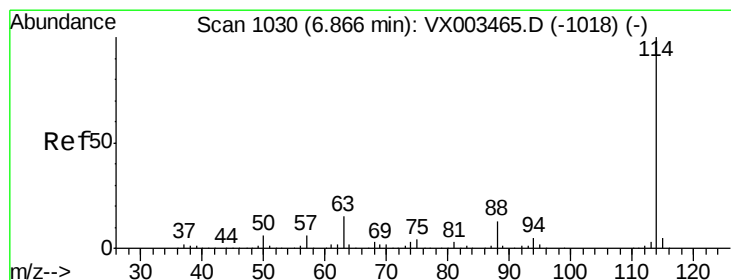
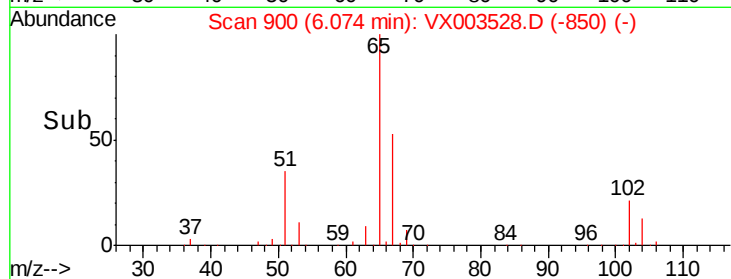
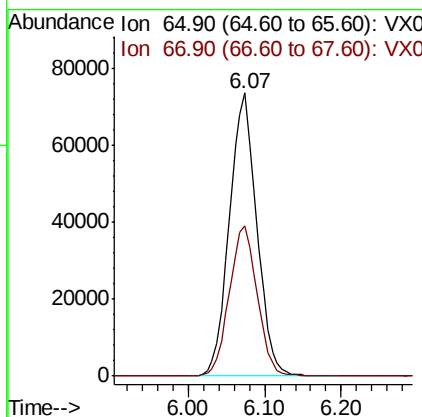
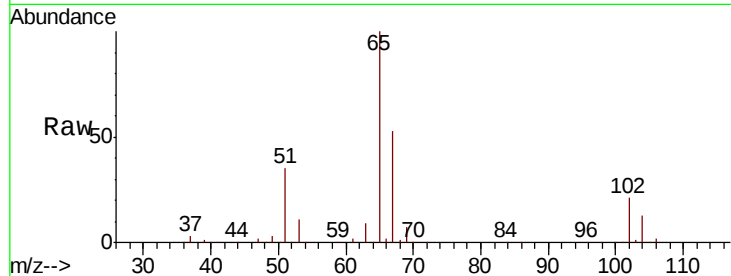




#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

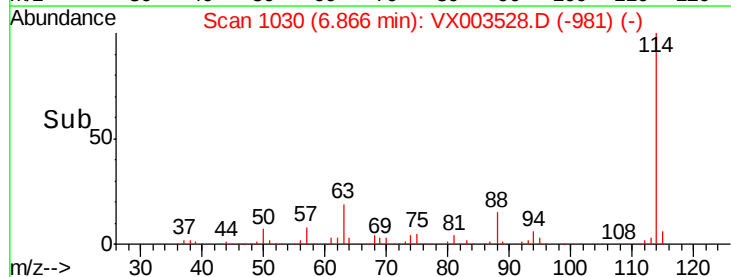
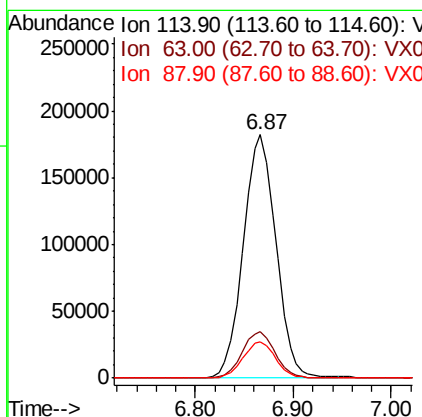
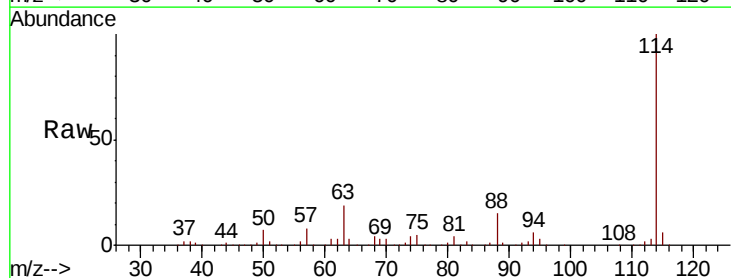
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-071218

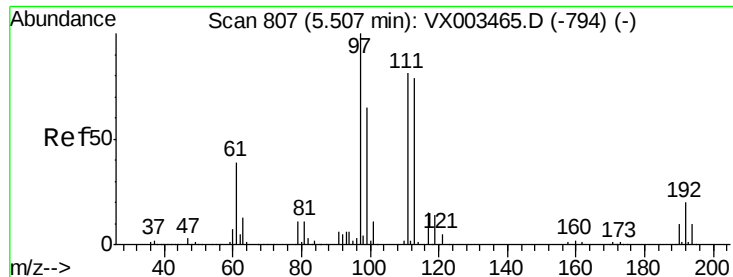
Tgt Ion: 65 Resp: 182621
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

Tgt Ion: 114 Resp: 422264
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 14.9 0.0 30.0

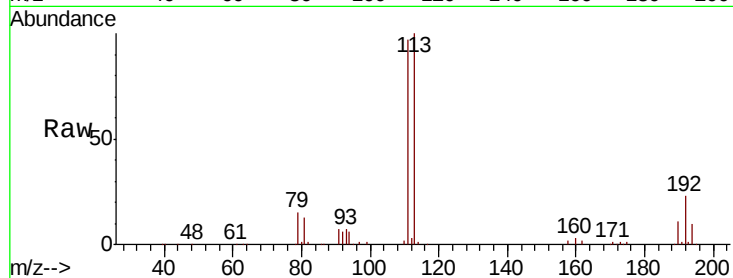




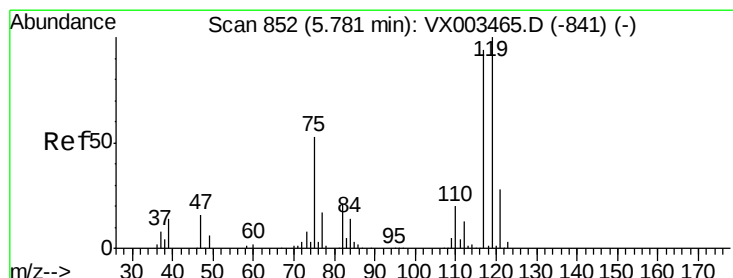
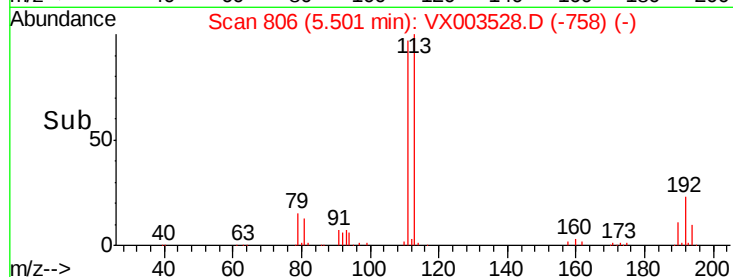
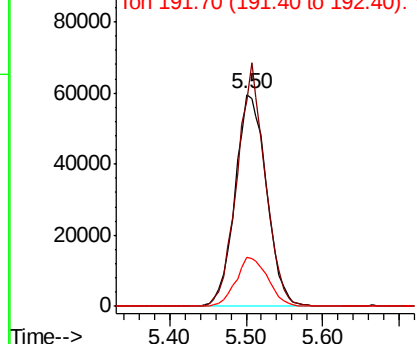
#35
 Dibromofluoromethane
 Concen: 52.813 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-071218

Tgt Ion:113 Resp: 169861
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 23.3 19.1 28.7

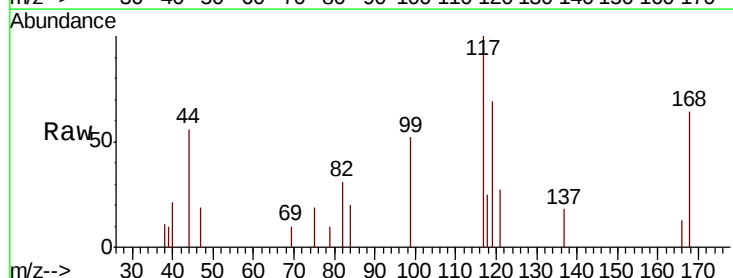


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

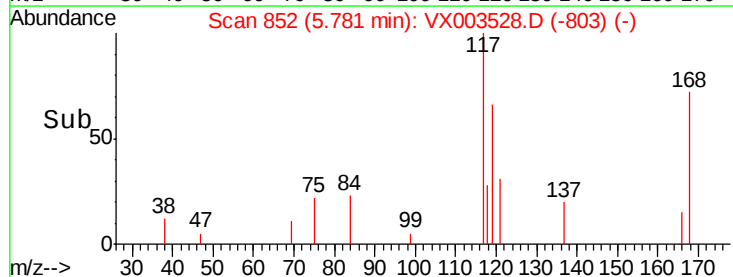
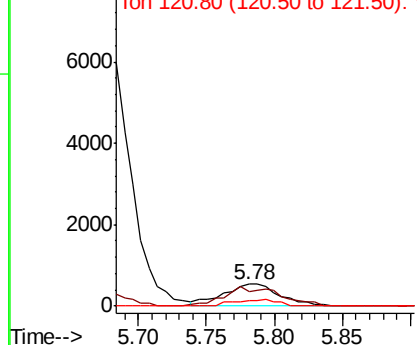


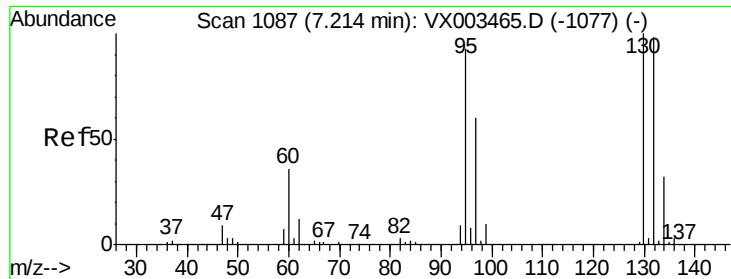
#38
 Carbon Tetrachloride
 Concen: 0.351 ug/l
 RT: 5.78 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VX003528.D
 Acq: 21 Jul 2018 00:30

Tgt Ion:117 Resp: 1571
 Ion Ratio Lower Upper
 117 100
 119 69.3 77.4 116.0#
 121 27.3 24.4 36.6



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: 496.263 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

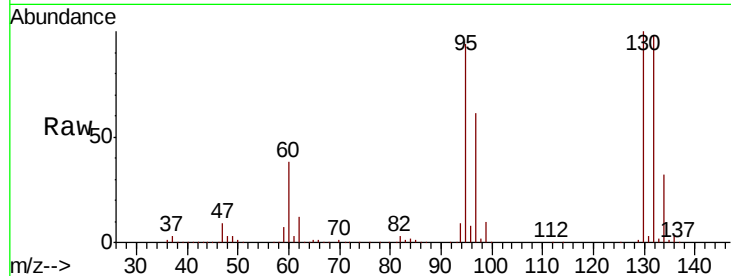
RE103D1-071218

Tgt Ion:130 Resp: 2037169

Ion Ratio Lower Upper

130 100

95 93.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1000000

800000

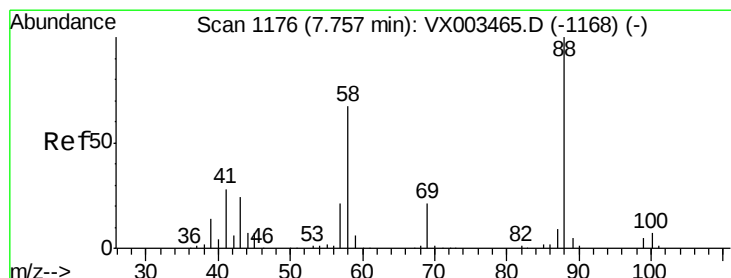
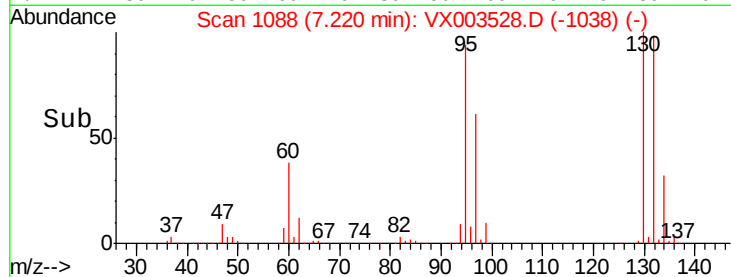
600000

400000

200000

0

Time-->



#49

1,4-Dioxane

Concen: 26.245 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

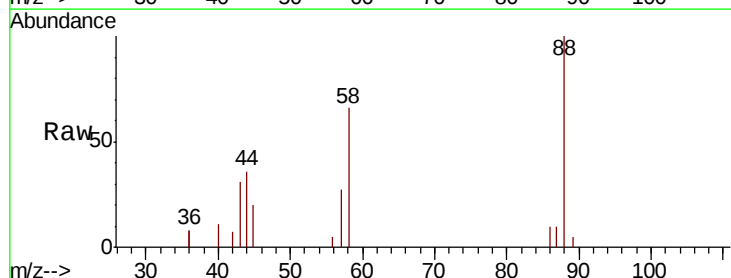
Tgt Ion: 88 Resp: 2058

Ion Ratio Lower Upper

88 100

43 52.2 29.8 44.6#

58 76.4 57.1 85.7



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

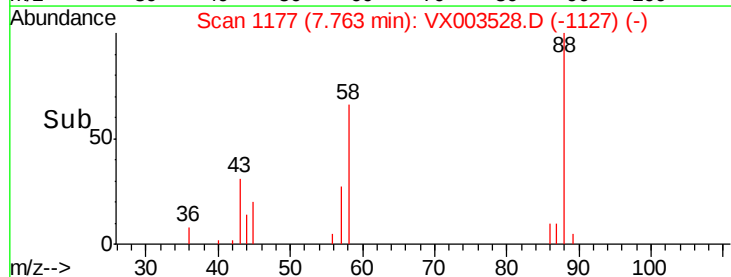
1500

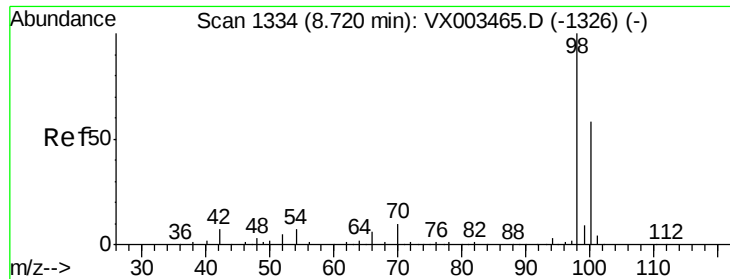
1000

500

0

Time-->





#50

Toluene-d8

Concen: 50.052 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

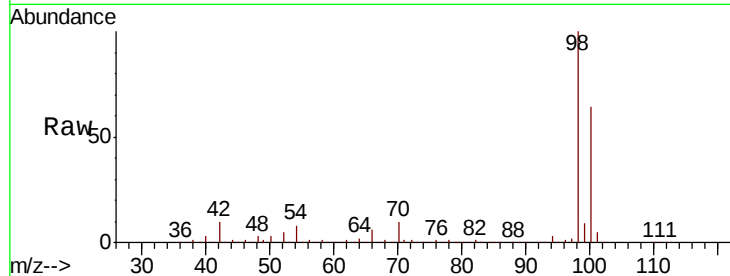
RE103D1-071218

Tgt Ion: 98 Resp: 605071

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX003465.D (-1326) (-)

Ion 100.00 (99.70 to 100.70): VX003465.D (-1326) (-)

8.72

400000

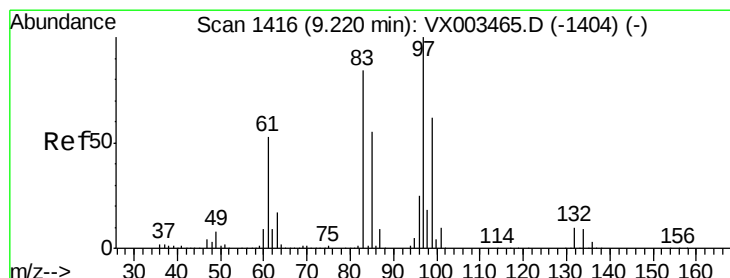
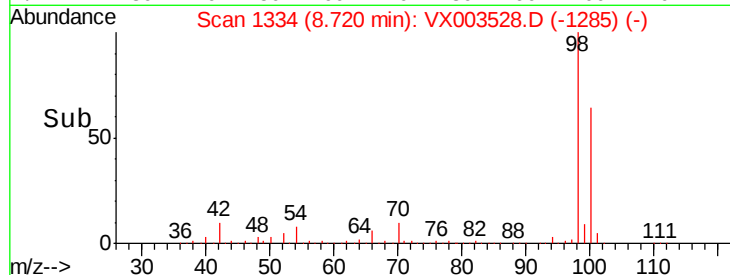
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 0.632 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Tgt Ion: 97 Resp: 2180

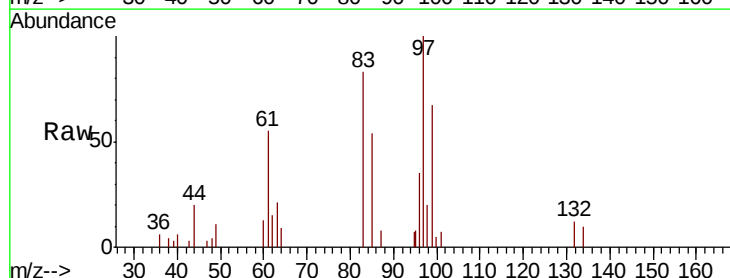
Ion Ratio Lower Upper

97 100

83 83.4 70.2 105.2

85 53.6 44.9 67.3

99 67.3 49.8 74.8



Abundance Ion 96.90 (96.60 to 97.60): VX003465.D (-1404) (-)

Ion 82.90 (82.60 to 83.60): VX003465.D (-1404) (-)

Ion 84.90 (84.60 to 85.60): VX003465.D (-1404) (-)

Ion 98.90 (98.60 to 99.60): VX003465.D (-1404) (-)

9.22

2000

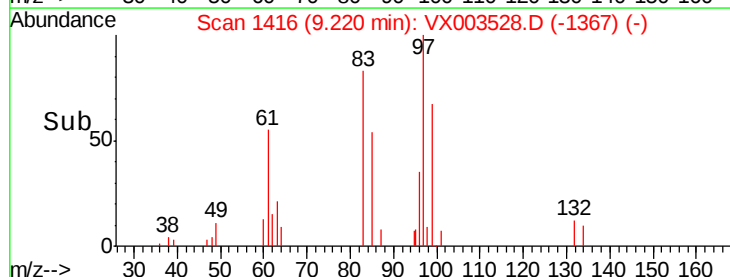
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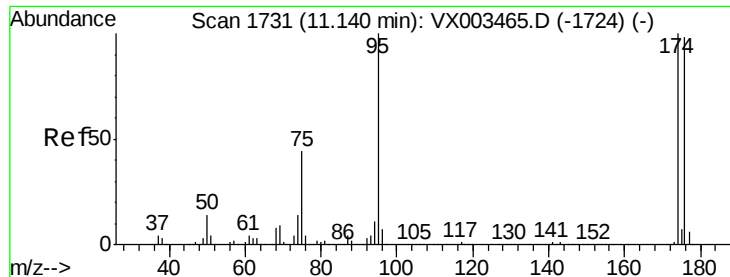
1000

500

0

Time-->

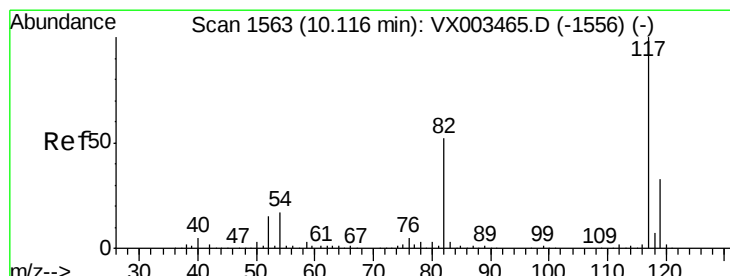
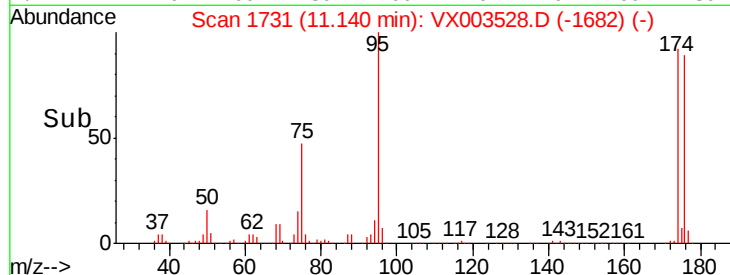
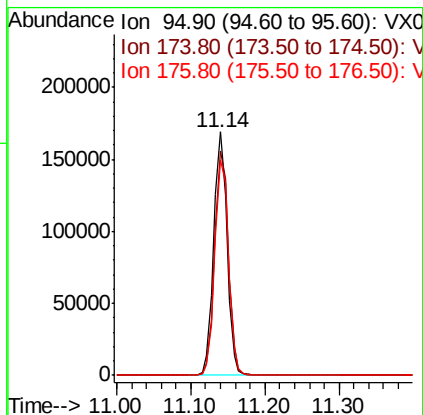
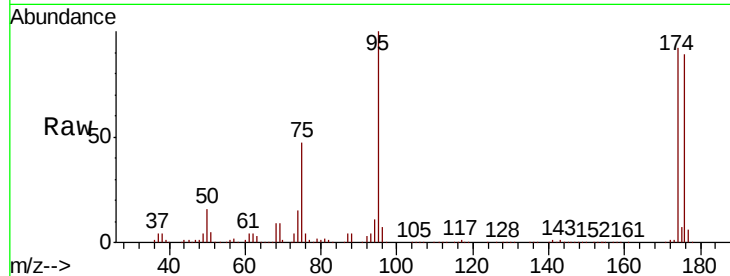




#62
4-Bromofluorobenzene
Concen: 46.770 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003528.D
Acq: 21 Jul 2018 00:30

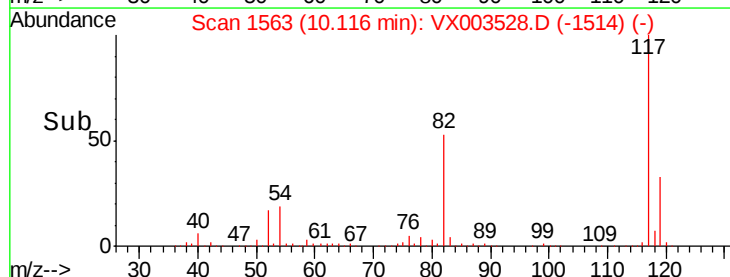
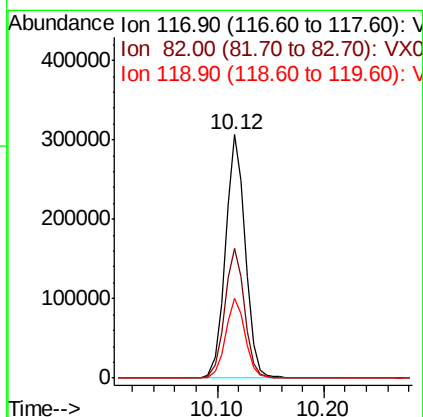
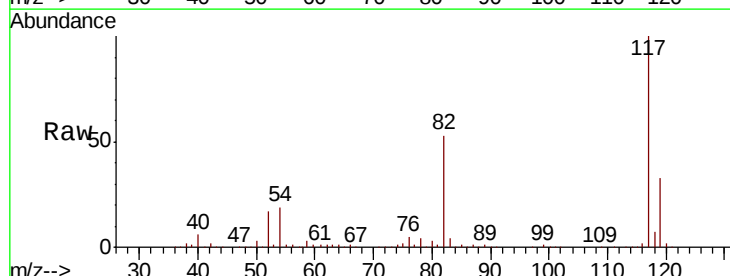
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-071218

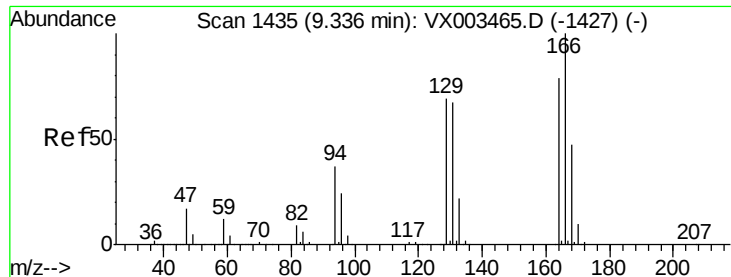
Tgt Ion: 95 Resp: 206335
Ion Ratio Lower Upper
95 100
174 95.2 0.0 187.4
176 91.4 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003528.D
Acq: 21 Jul 2018 00:30

Tgt Ion: 117 Resp: 399484
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.8 25.8 38.6





#64

Tetrachloroethene

Concen: 0.543 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-071218

Tgt Ion:164 Resp: 2643

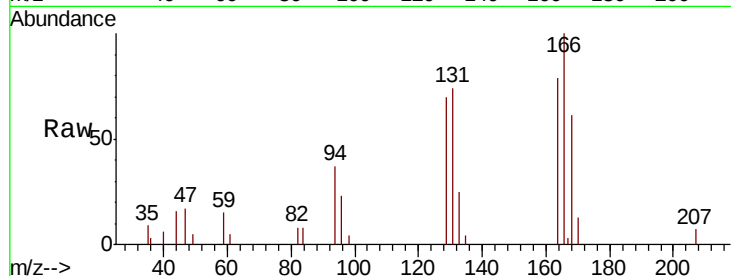
Ion Ratio Lower Upper

164 100

166 127.2 102.9 154.3

129 88.8 68.6 102.8

131 93.6 66.8 100.2

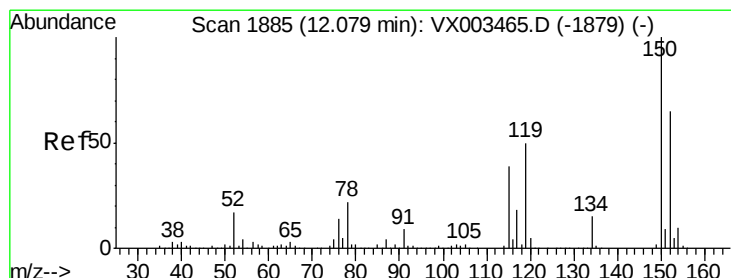
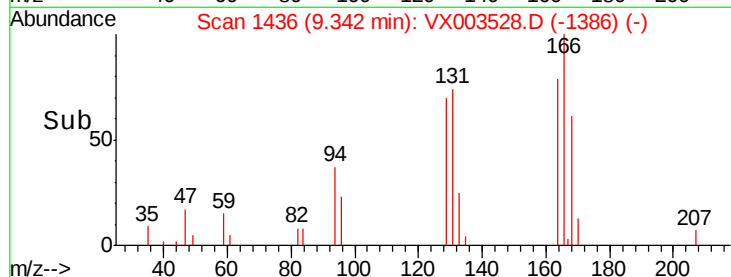
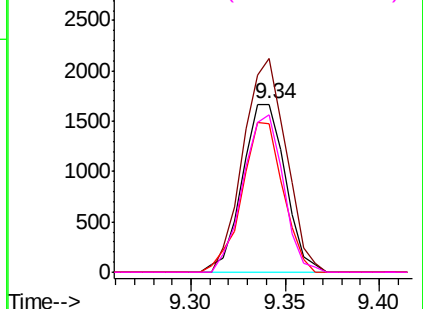


Abundance Ion 163.80 (163.50 to 164.50): V

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# 1885

Delta R.T. -0.00 min

Lab File: VX003528.D

Acq: 21 Jul 2018 00:30

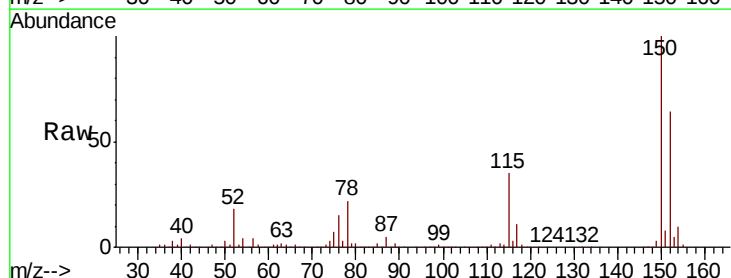
Tgt Ion:152 Resp: 219428

Ion Ratio Lower Upper

152 100

115 53.9 40.1 120.2

150 155.1 0.0 347.2



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

