

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003492.D
 Acq On : 20 Jul 2018 04:32
 Operator : JC/SP
 Sample : J3170-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-071118

Quant Time: Jul 26 03:44:30 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	322183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	419599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	397422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221287	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	187322	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	178977	56.00	ug/l	0.00
Spiked Amount			Recovery	=	112.00%	
50) Toluene-d8	8.72	98	618544	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.14	95	211742	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

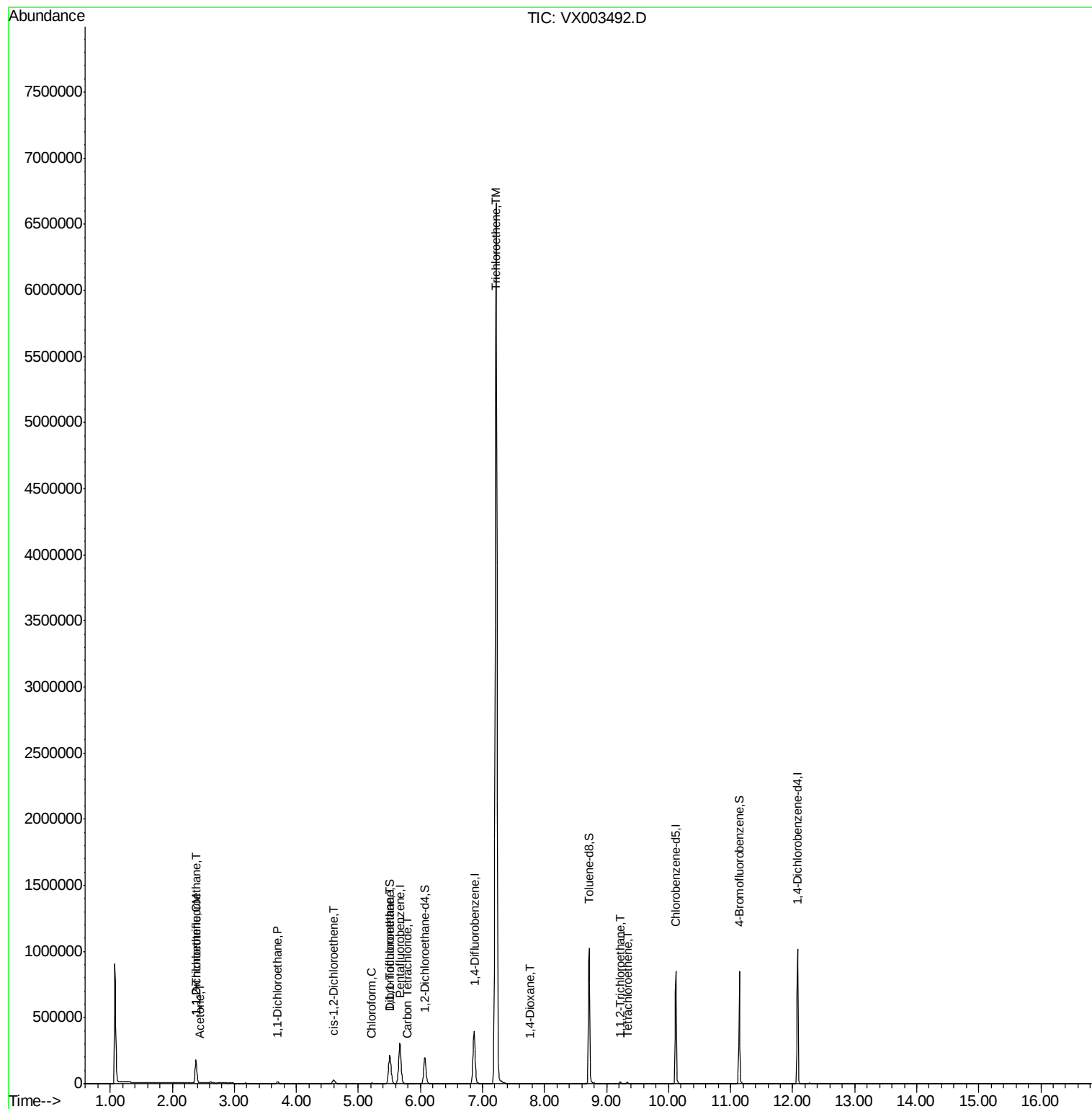
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	45855	12.831	ug/l	97
12) 1,1-Dichloroethene	2.37	96	27957	8.496	ug/l	84
16) Acetone	2.45	43	3002	2.084	ug/l #	82
24) 1,1-Dichloroethane	3.70	63	12582	1.956	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	13485	3.308	ug/l	47
30) Chloroform	5.21	83	4196	0.668	ug/l	85
32) 1,1,1-Trichloroethane	5.50	97	3699	0.688	ug/l #	49
38) Carbon Tetrachloride	5.79	117	2088	0.470	ug/l	97
44) Trichloroethene	7.22	130	2720673	666.977	ug/l	100
49) 1,4-Dioxane	7.76	88	2092	26.848	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	3381	0.987	ug/l	93
64) Tetrachloroethene	9.34	164	2318	0.479	ug/l #	91

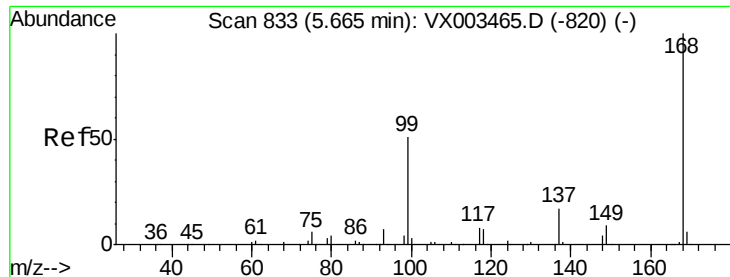
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

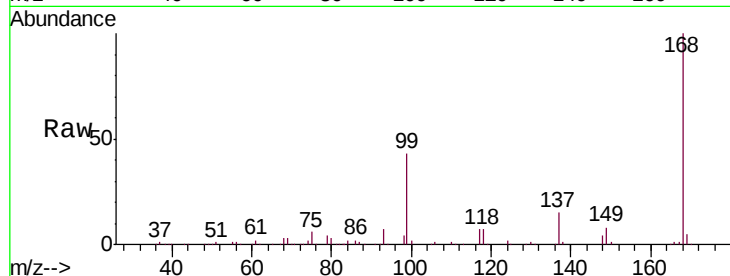
RE120D1-071118

Tot Ion:168 Resp: 322183

Ion Ratio Lower Upper

168 100

99 43.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

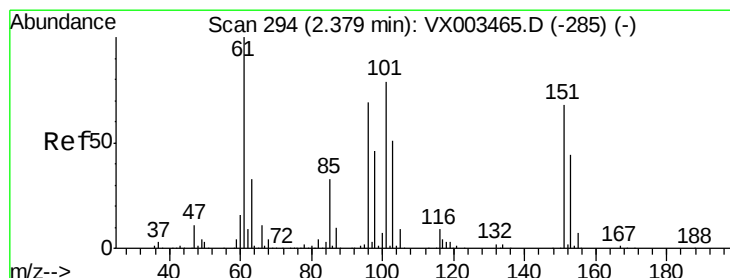
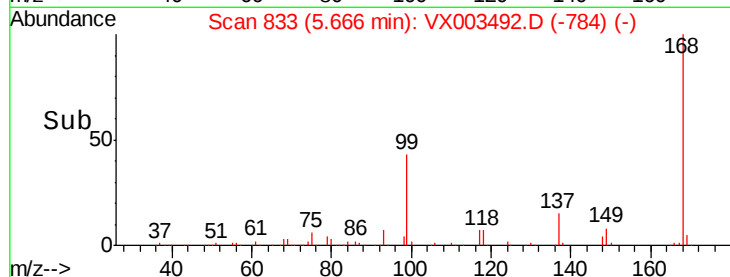
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.831 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

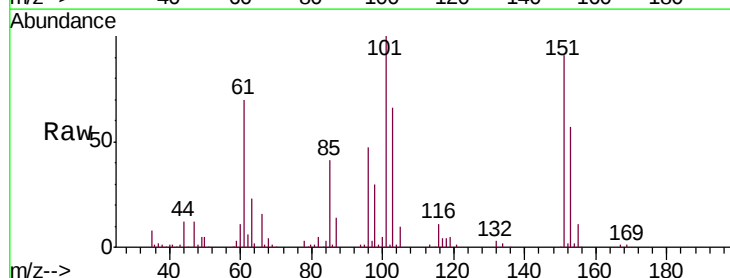
Tgt Ion:101 Resp: 45855

Ion Ratio Lower Upper

101 100

85 42.9 36.0 54.0

151 91.9 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

30000

25000

20000

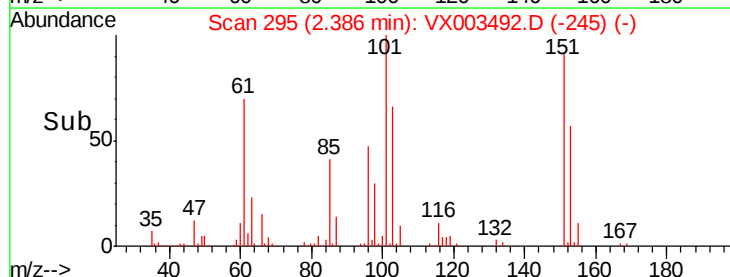
15000

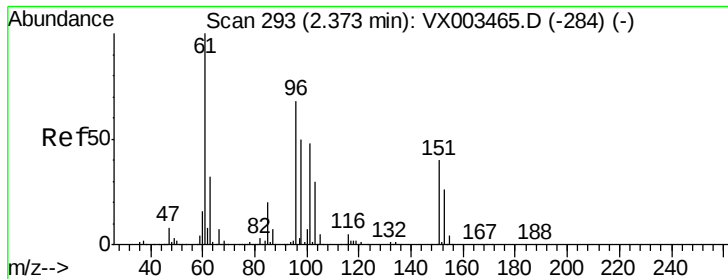
10000

5000

0

Time--> 2.30 2.35 2.40 2.45 2.50





#12

1,1-Dichloroethene

Concen: 8.496 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-071118

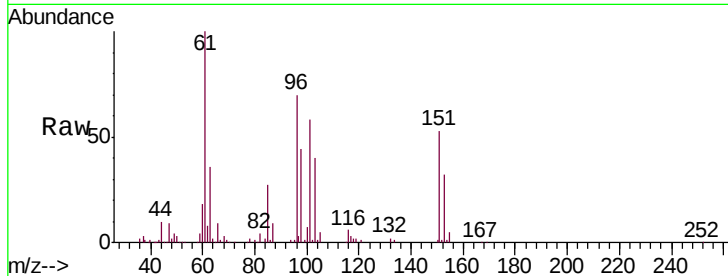
Tot Ion: 96 Resp: 27957

Ion Ratio Lower Upper

96 100

61 142.2 137.9 206.9

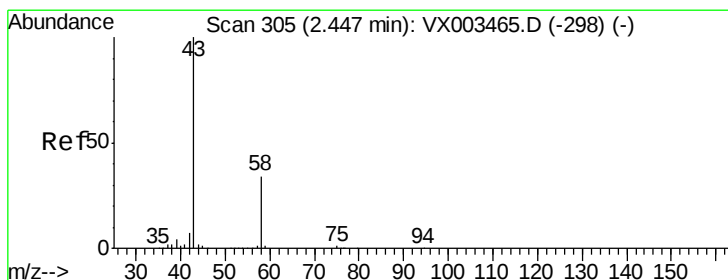
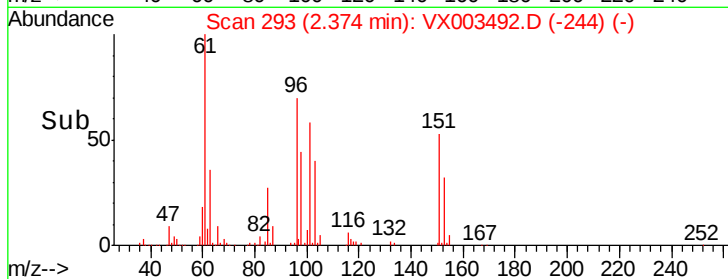
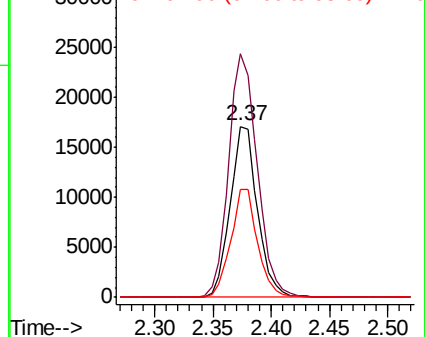
98 62.9 51.6 77.4



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



#16

Acetone

Concen: 2.084 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003492.D

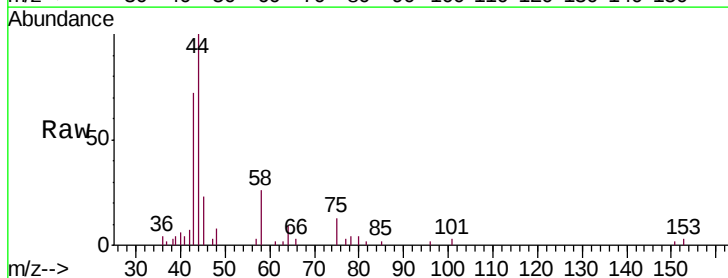
Acq: 20 Jul 2018 04:32

Tgt Ion: 43 Resp: 3002

Ion Ratio Lower Upper

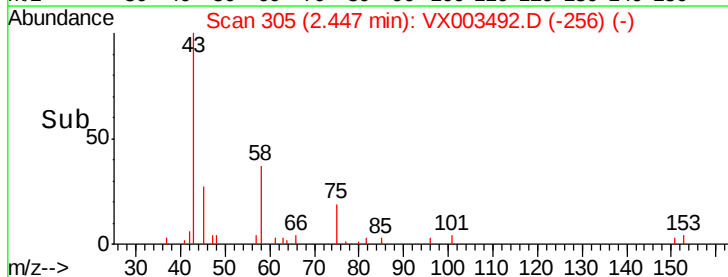
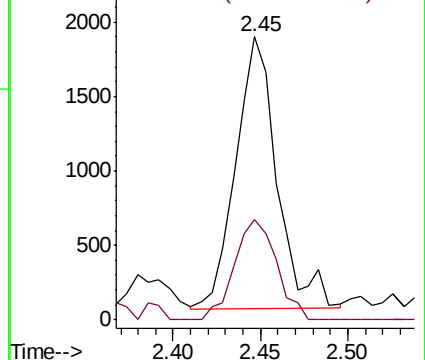
43 100

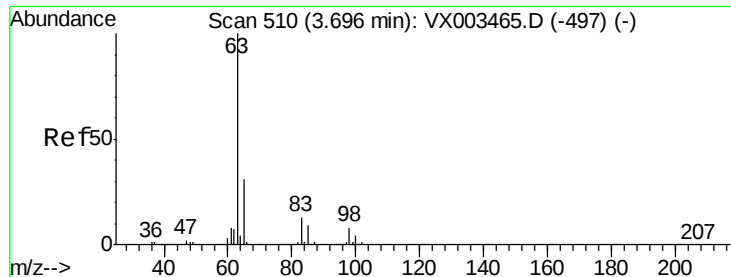
58 37.2 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 1.956 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-071118

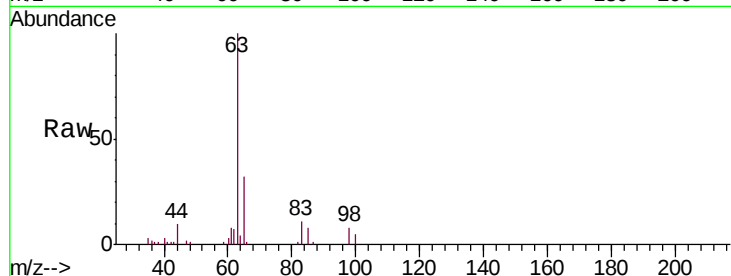
Tot Ion: 63 Resp: 12582

Ion Ratio Lower Upper

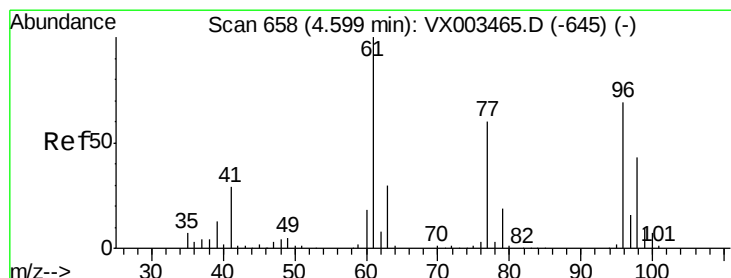
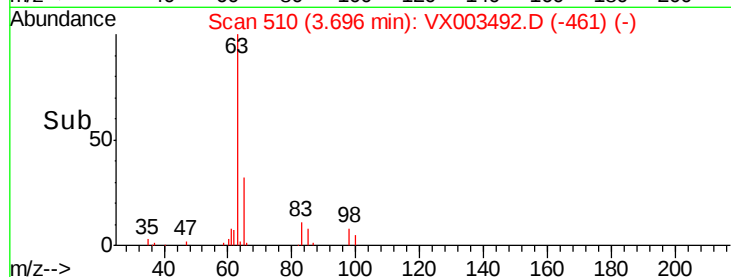
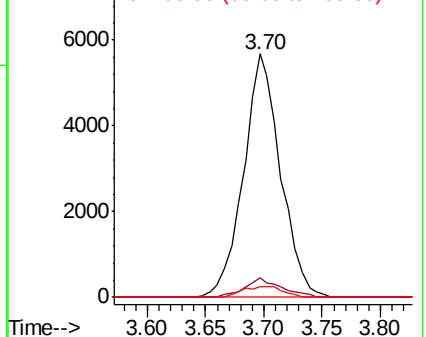
63 100

98 8.2 3.4 10.2

100 4.6 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: 3.308 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

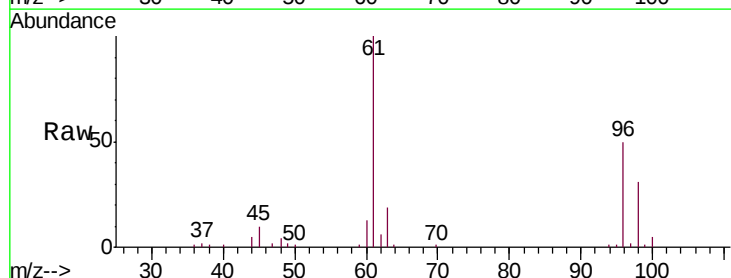
Tgt Ion: 96 Resp: 13485

Ion Ratio Lower Upper

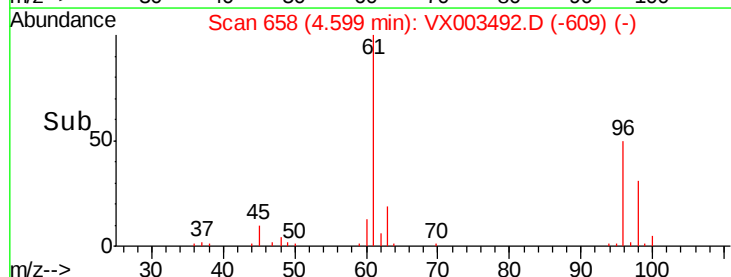
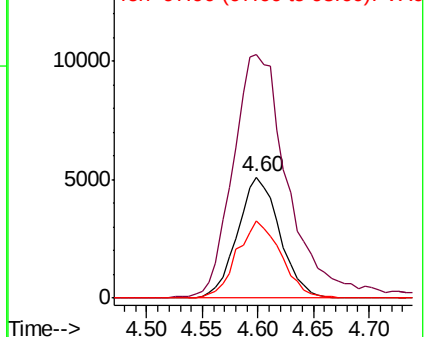
96 100

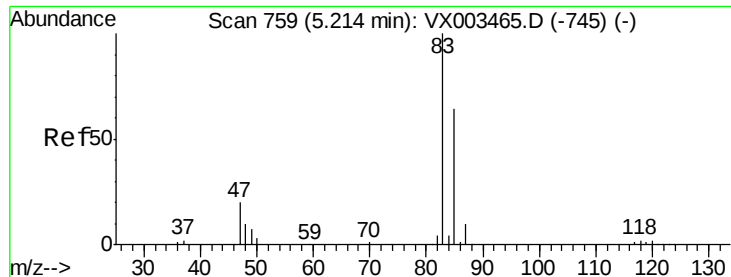
61 264.2 0.0 330.2

98 66.2 0.0 130.2



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

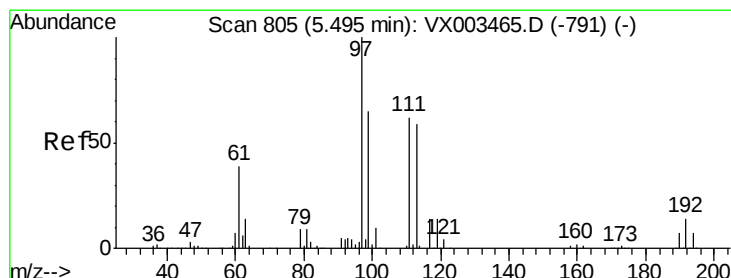
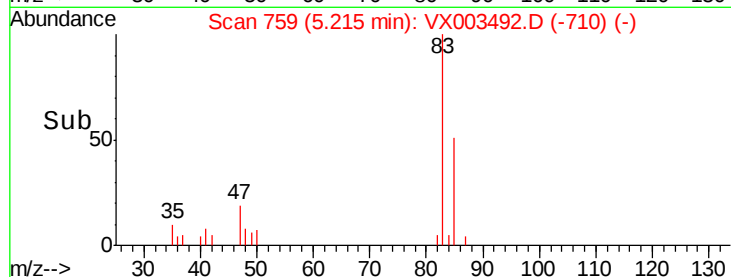
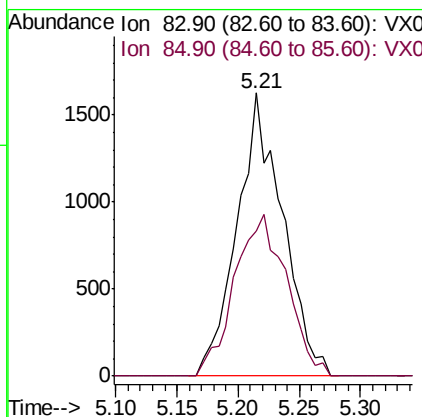
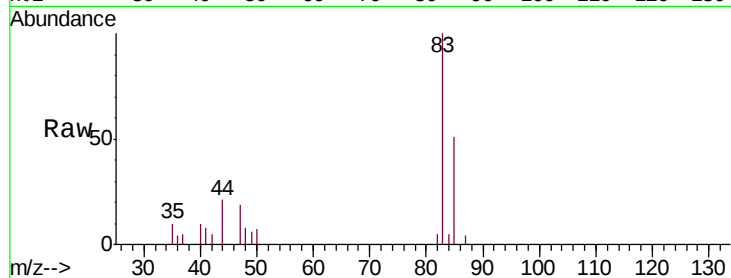




#30
Chloroform
Concen: 0.668 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

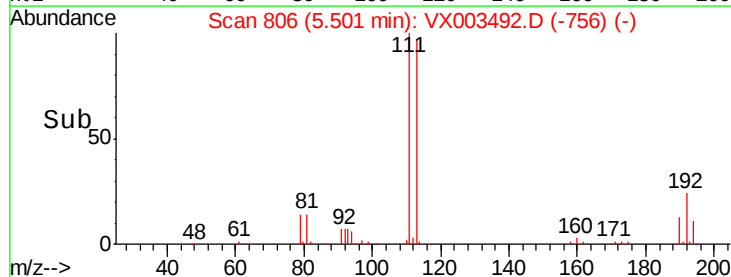
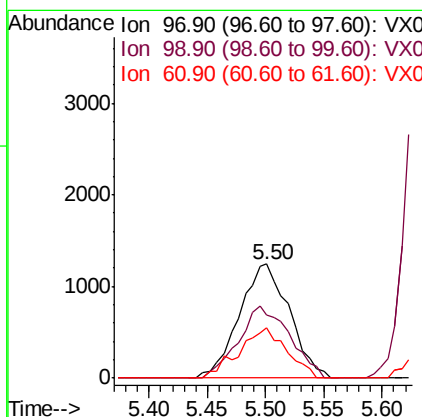
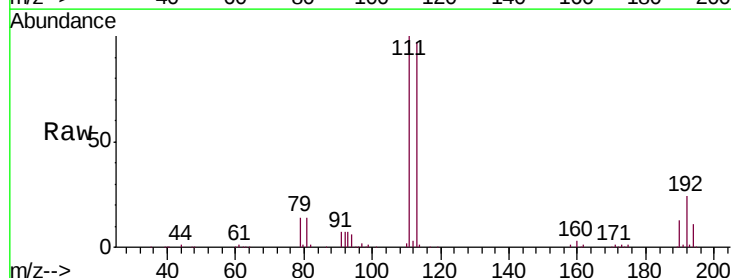
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-071118

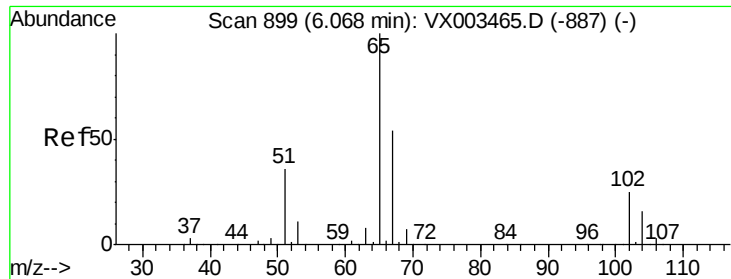
Tot Ion: 83 Resp: 4196
Ion Ratio Lower Upper
83 100
85 51.4 50.4 75.6



#32
1,1,1-Trichloroethane
Concen: 0.688 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

Tgt Ion: 97 Resp: 3699
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 41.7 36.4 54.6

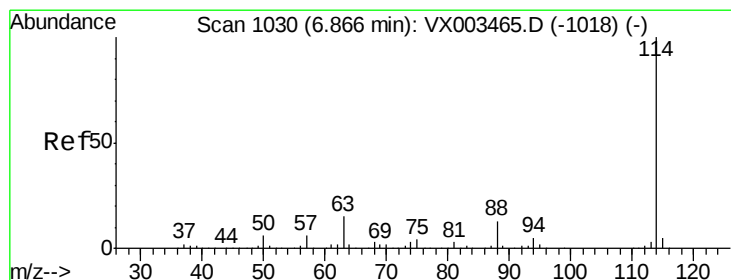
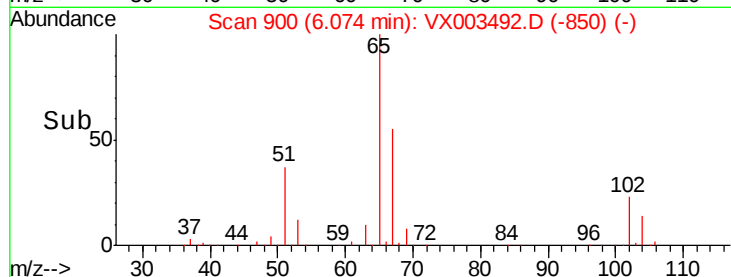
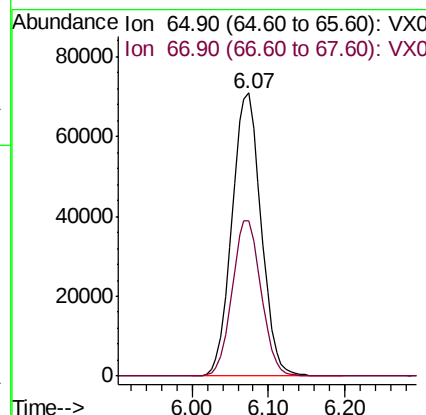
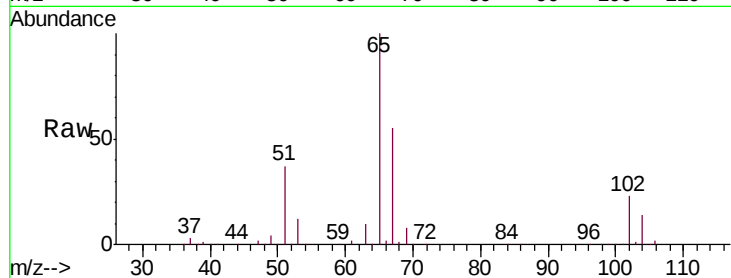




#33
 1,2-Dichloroethane-d4
 Concen: 49.117 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003492.D
 Acq: 20 Jul 2018 04:32

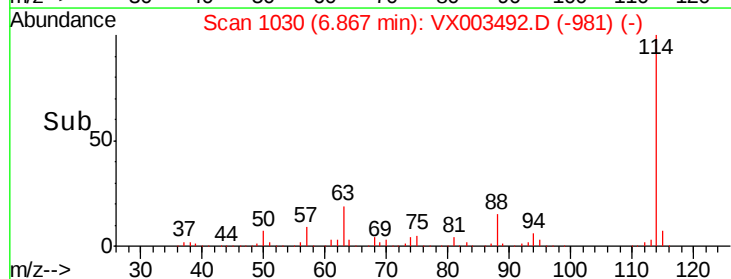
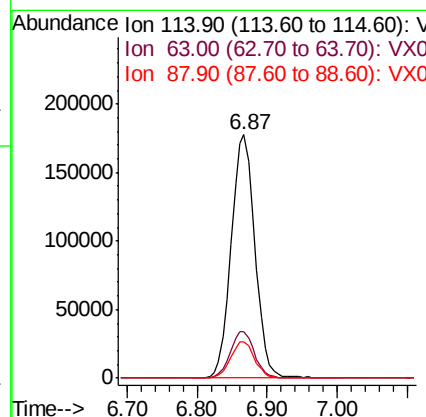
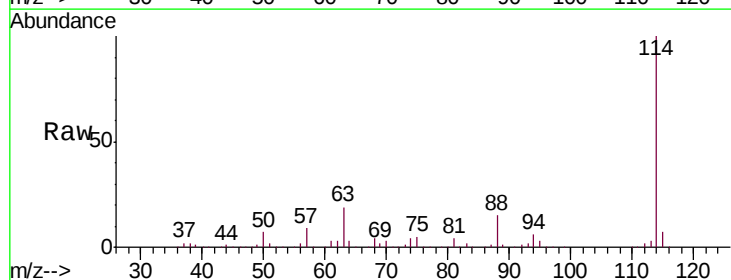
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-071118

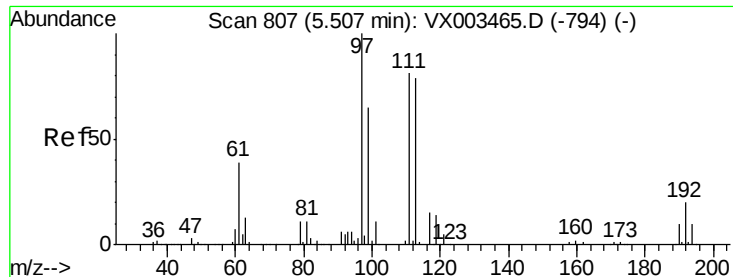
Tot Ion: 65 Resp: 187322
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003492.D
 Acq: 20 Jul 2018 04:32

Tgt Ion: 114 Resp: 419599
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.4
 88 14.9 0.0 30.0

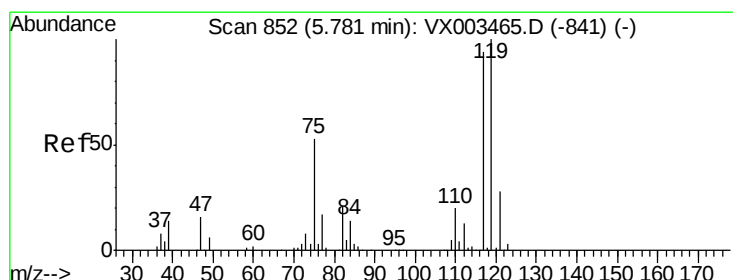
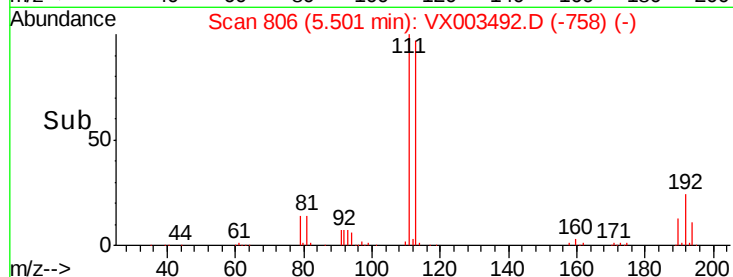
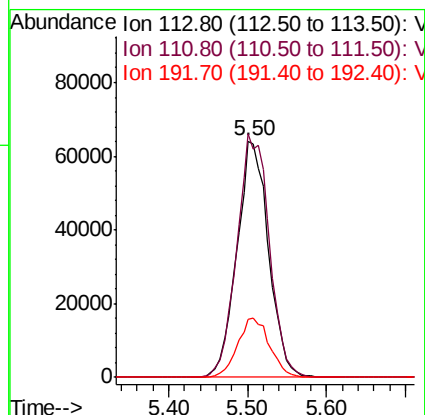
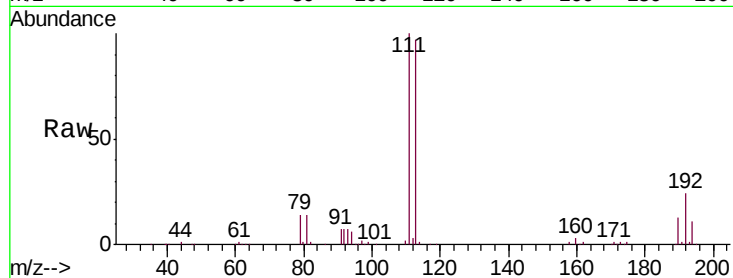




#35
Dibromofluoromethane
Concen: 56.001 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

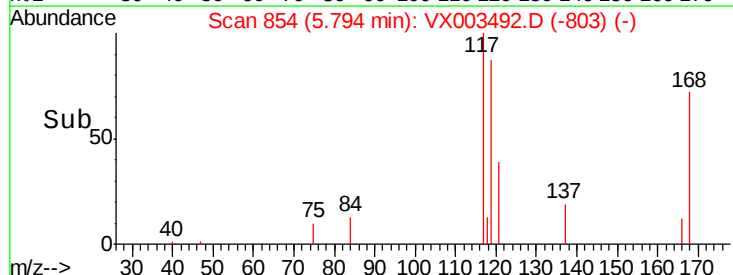
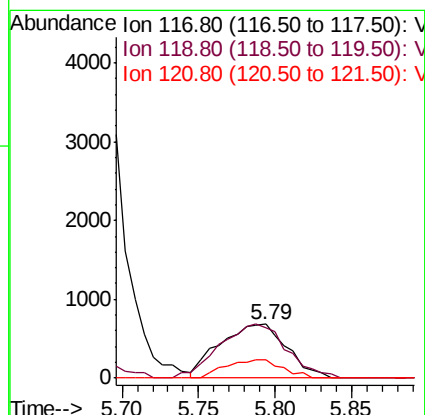
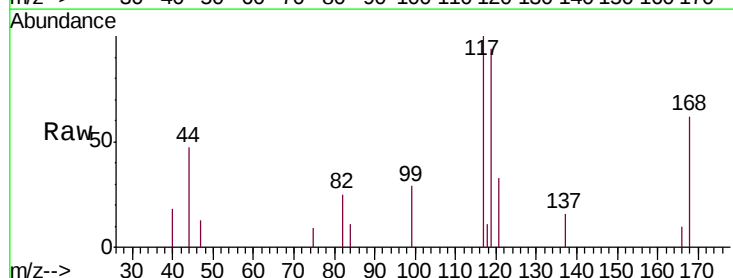
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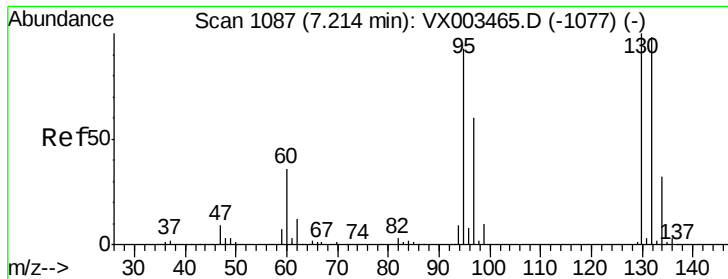
Tot Ion:113 Resp: 178977
Ion Ratio Lower Upper
113 100
111 105.5 81.4 122.0
192 25.3 19.1 28.7



#38
Carbon Tetrachloride
Concen: 0.470 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.01 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

Tgt Ion:117 Resp: 2088
Ion Ratio Lower Upper
117 100
119 94.1 77.4 116.0
121 33.4 24.4 36.6





#44

Trichloroethene

Concen: 666.977 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

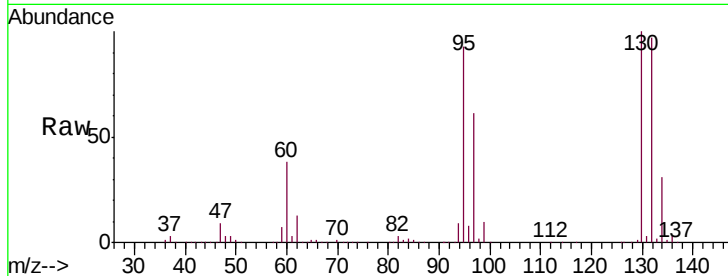
RE120D1-071118

Tot Ion:130 Resp: 2720673

Ion Ratio Lower Upper

130 100

95 92.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

1500000 Ion 94.90 (94.60 to 95.60): VX0

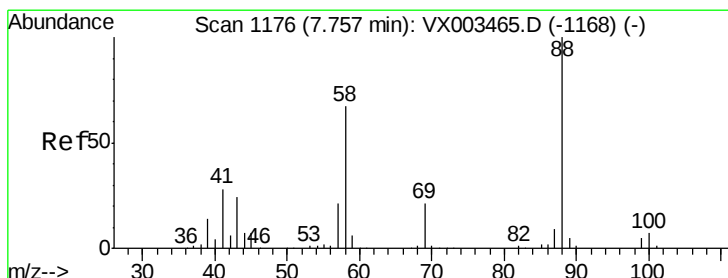
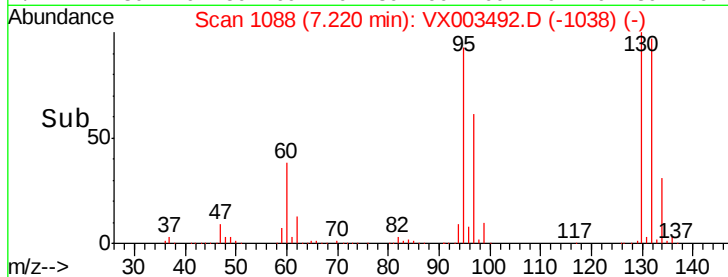
7.22

1000000

500000

0

Time-->



#49

1,4-Dioxane

Concen: 26.848 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

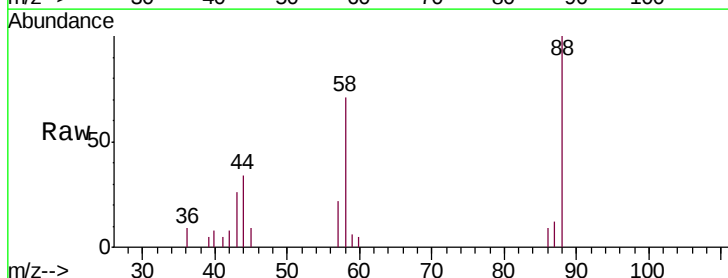
Tgt Ion: 88 Resp: 2092

Ion Ratio Lower Upper

88 100

43 41.8 29.8 44.6

58 80.3 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

1500 Ion 43.00 (42.70 to 43.70): VX0

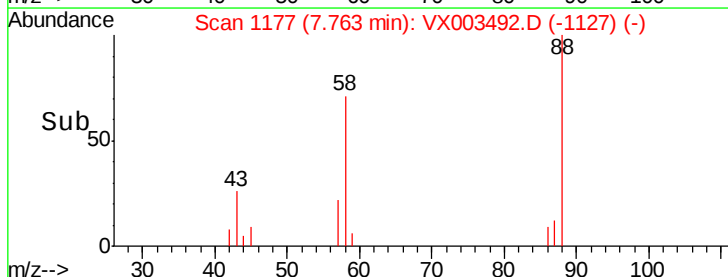
Ion 58.00 (57.70 to 58.70): VX0

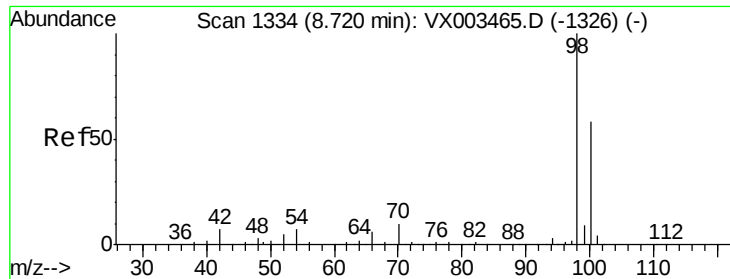
1000

500

0

Time-->

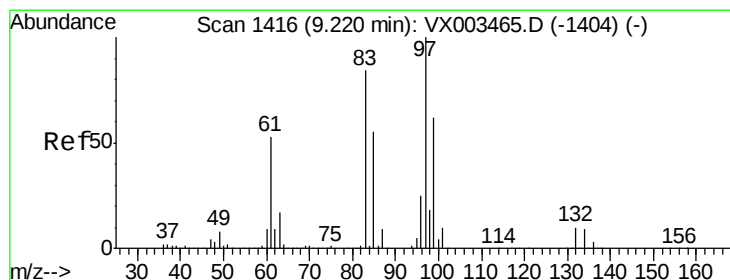
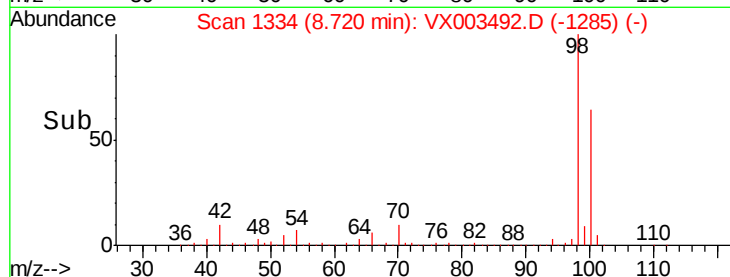
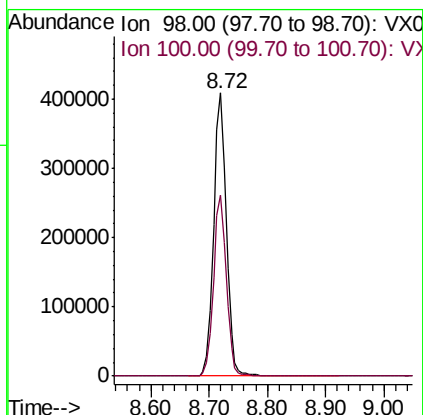
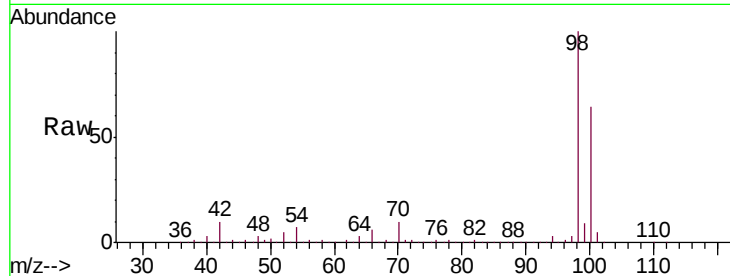




#50
Toluene-d8
Concen: 51.492 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

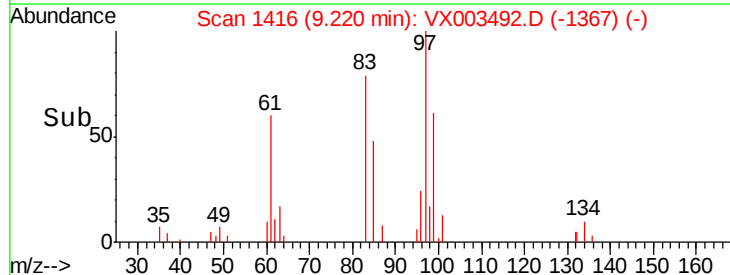
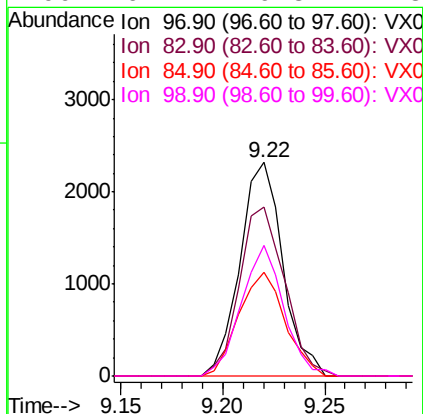
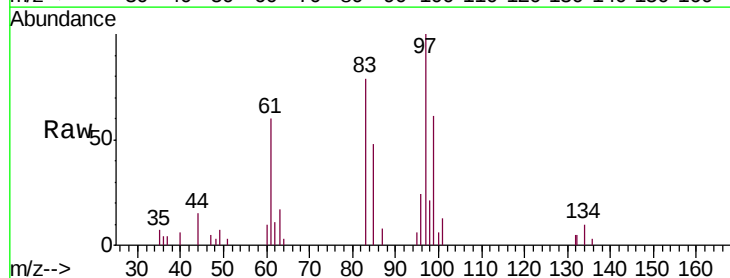
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-071118

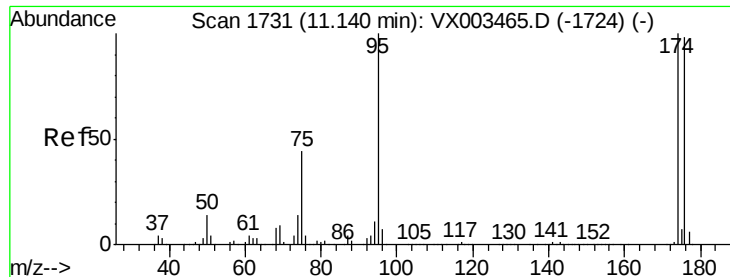
Tot Ion: 98 Resp: 618544
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#55
1,1,2-Trichloroethane
Concen: 0.987 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

Tgt Ion: 97 Resp: 3381
Ion Ratio Lower Upper
97 100
83 79.3 70.2 105.2
85 48.3 44.9 67.3
99 61.4 49.8 74.8

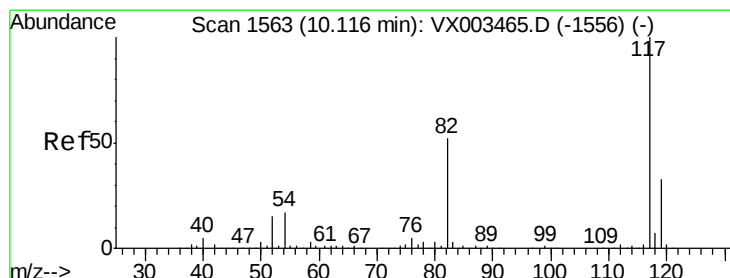
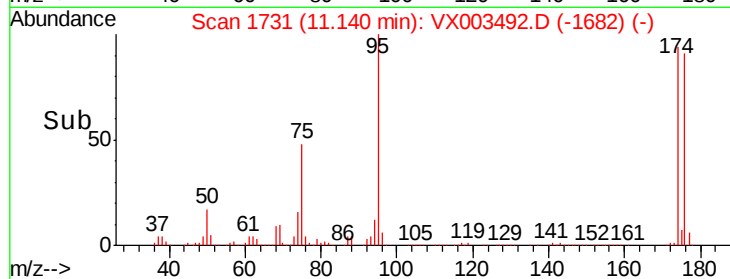
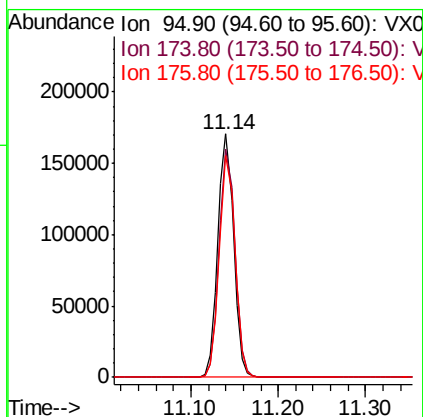
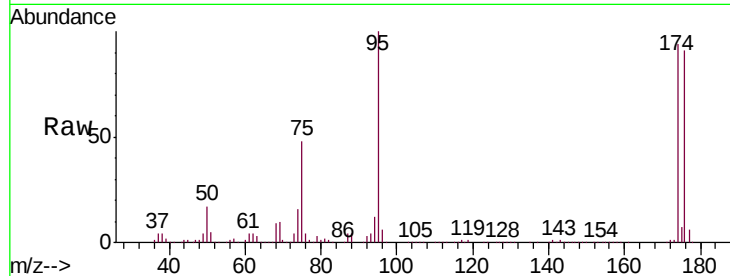




#62
4-Bromofluorobenzene
Concen: 48.301 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

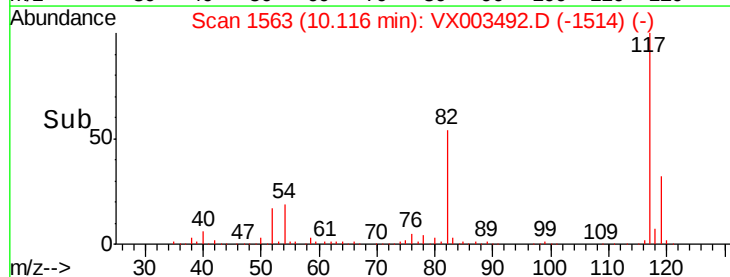
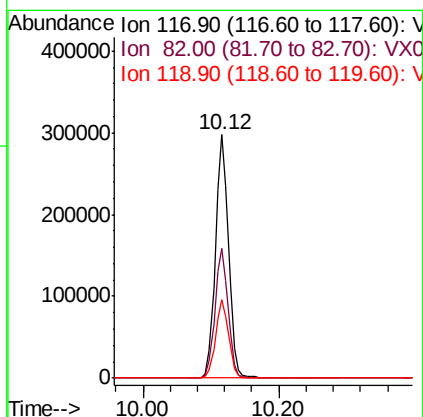
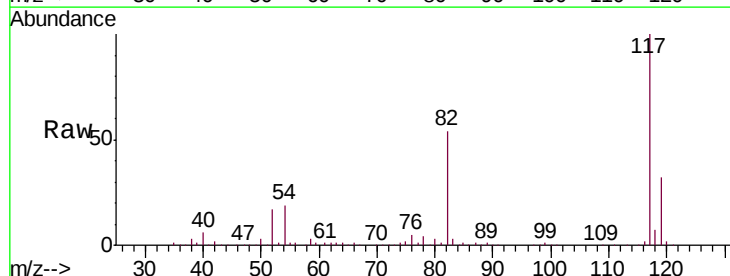
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-071118

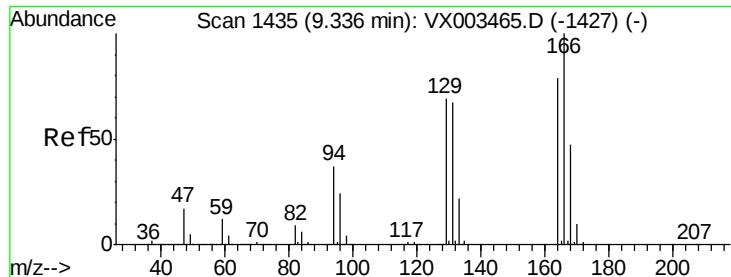
Tot Ion: 95 Resp: 211742
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 91.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003492.D
Acq: 20 Jul 2018 04:32

Tgt Ion: 117 Resp: 397422
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 0.479 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003492.D

Acq: 20 Jul 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-071118

Tot Ion:164 Resp: 2318

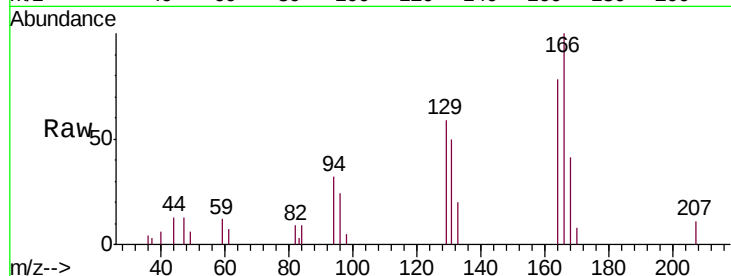
Ion Ratio Lower Upper

164 100

166 128.4 102.9 154.3

129 76.2 68.6 102.8

131 64.1 66.8 100.2#



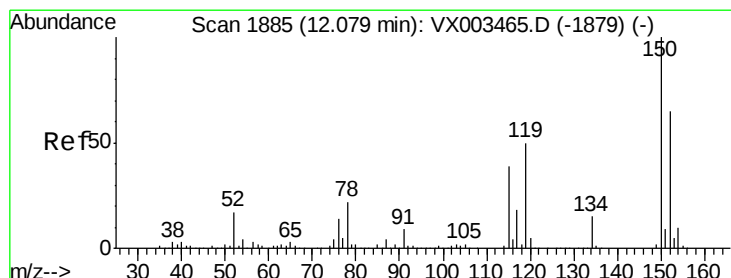
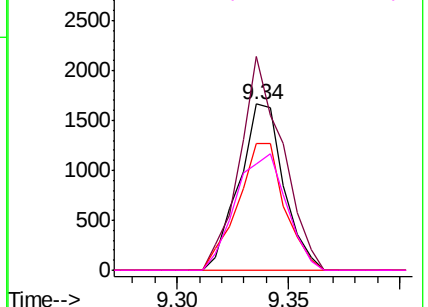
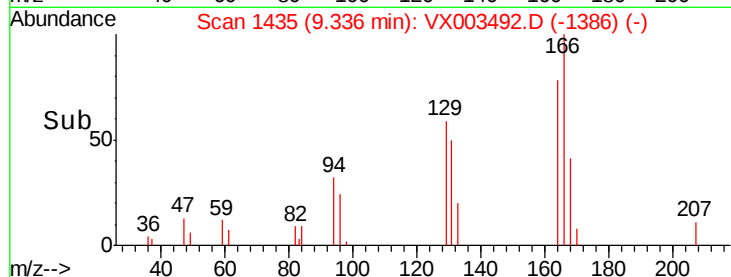
Abundance

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: VX003492.D

Acq: 20 Jul 2018 04:32

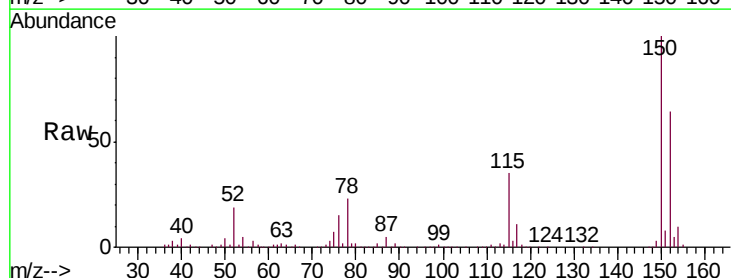
Tgt Ion:152 Resp: 221287

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

150 155.7 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

