

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003486.D
 Acq On : 20 Jul 2018 01:53
 Operator : JC/SP
 Sample : J3170-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-071118

Quant Time: Jul 20 04:51:26 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	5.68	168	292778	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	426947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219222	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	180196	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	5.51	113	169260	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
50) Toluene-d8	8.72	98	616115	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.14	95	208935	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

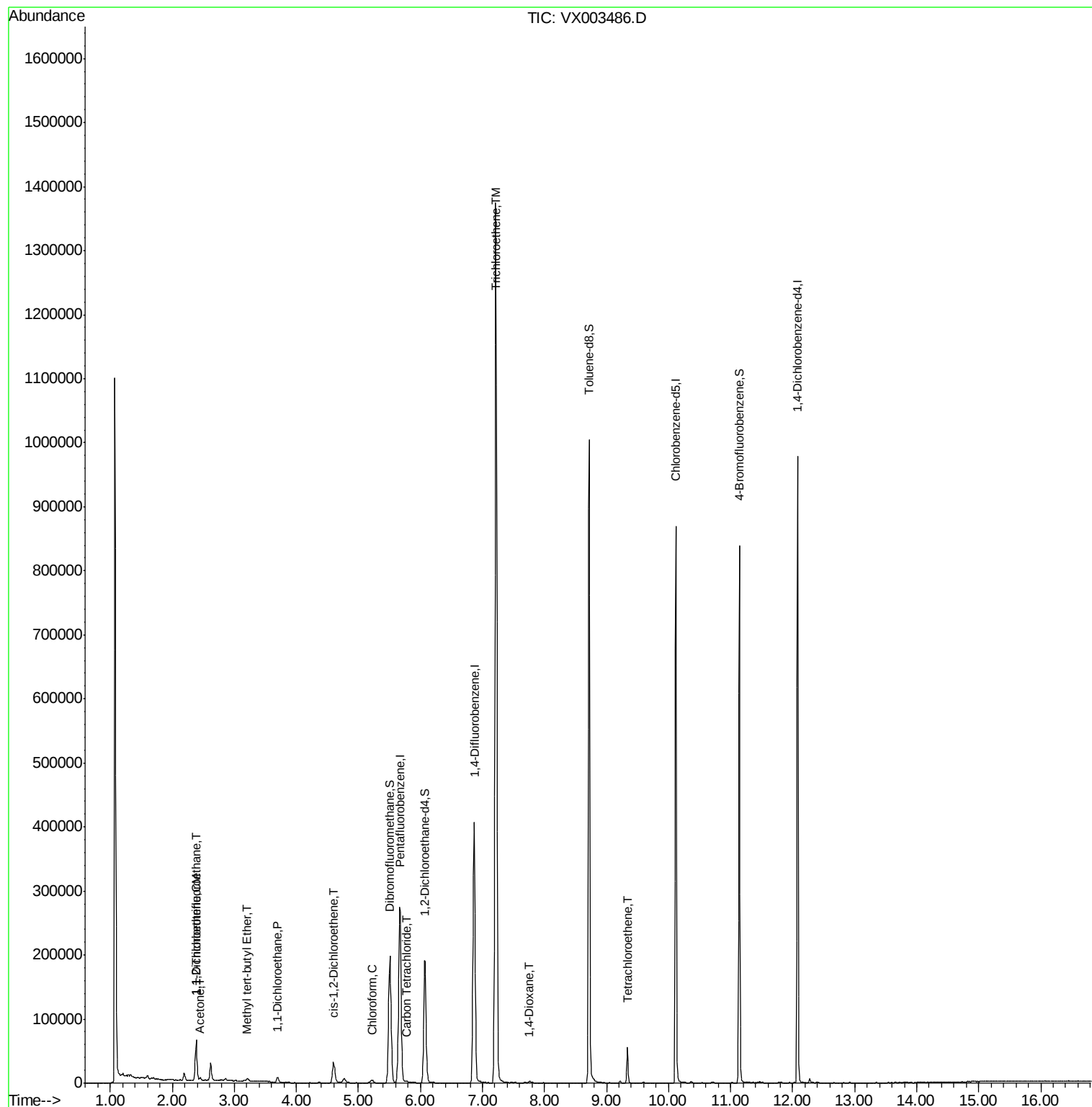
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20065	6.18	ug/l	99
12) 1,1-Dichloroethene	2.38	96	5642	1.89	ug/l	82
16) Acetone	2.45	43	3452	2.64	ug/l #	88
19) Methyl tert-butyl Ether	3.20	73	5011	0.51	ug/l	94
24) 1,1-Dichloroethane	3.70	63	9987	1.71	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	17166	4.63	ug/l	65
30) Chloroform	5.22	83	5187	0.91	ug/l	91
38) Carbon Tetrachloride	5.78	117	1139	0.25	ug/l #	79
44) Trichloroethene	7.22	130	570527	137.46	ug/l	100
49) 1,4-Dioxane	7.76	88	1916	24.17	ug/l #	88
64) Tetrachloroethene	9.34	164	12001	2.44	ug/l	95

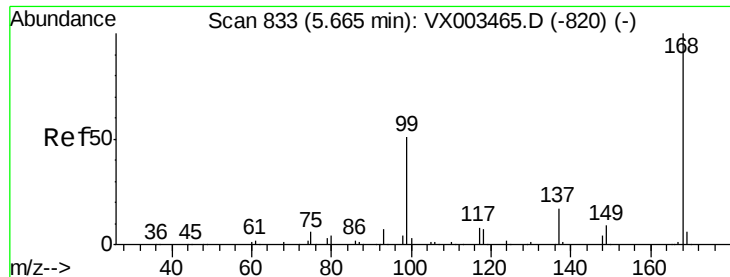
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

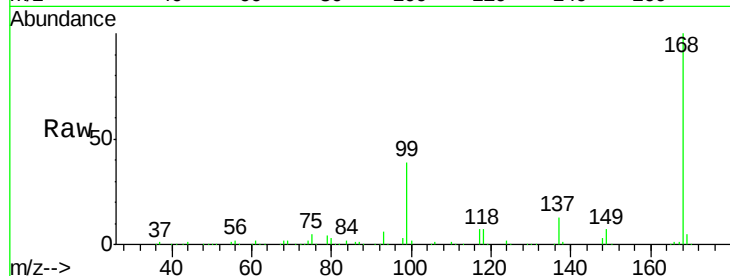
RE125D1-071118

Tot Ion:168 Resp: 292778

Ion Ratio Lower Upper

168 100

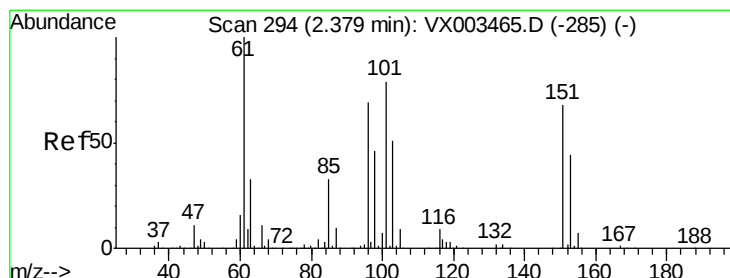
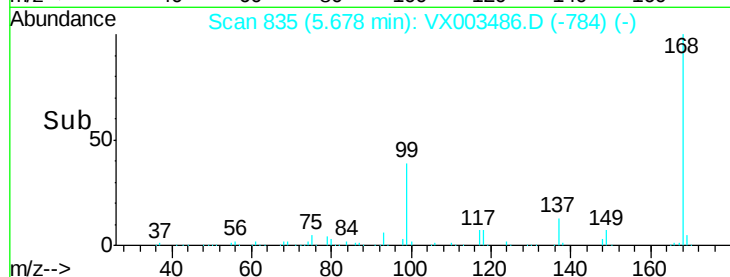
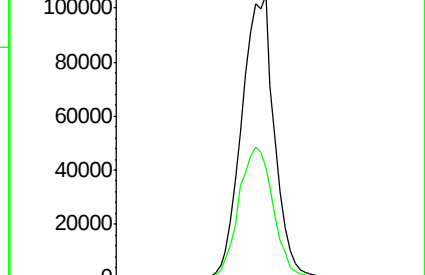
99 39.0 39.3 58.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.18 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

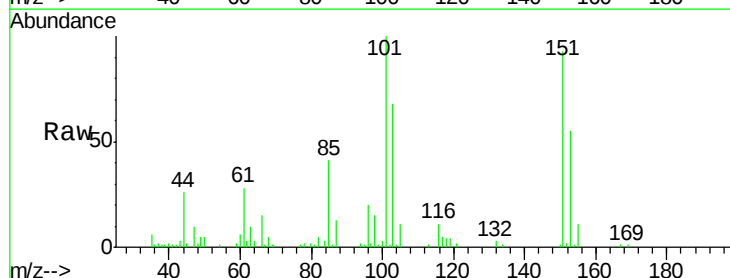
Tgt Ion:101 Resp: 20065

Ion Ratio Lower Upper

101 100

85 43.6 36.0 54.0

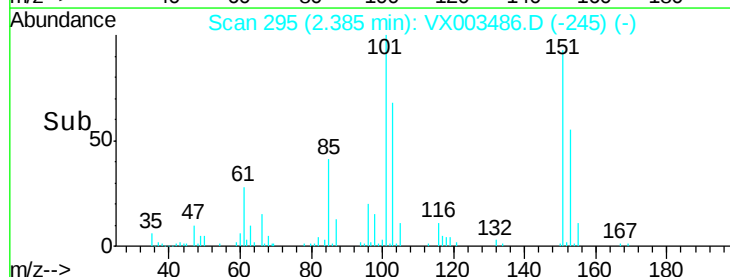
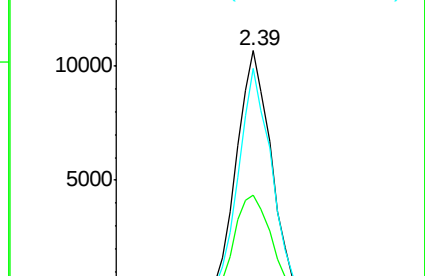
151 89.3 70.9 106.3

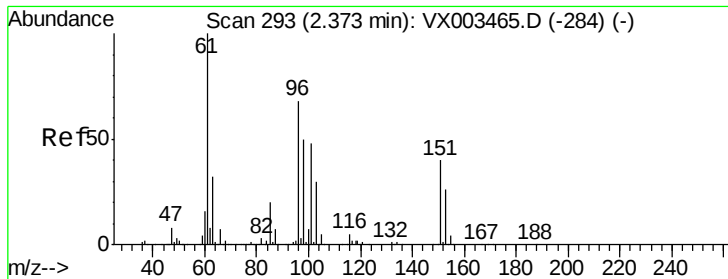


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 1.89 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-071118

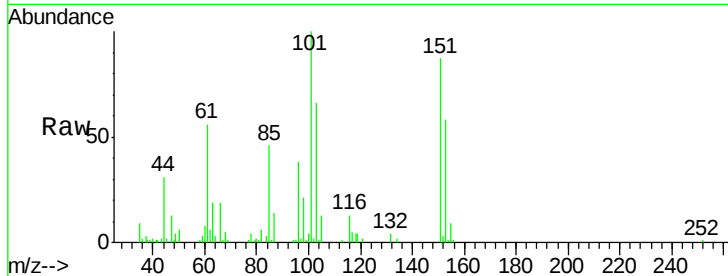
Tot Ion: 96 Resp: 5642

Ion Ratio Lower Upper

96 100

61 145.6 137.9 206.9

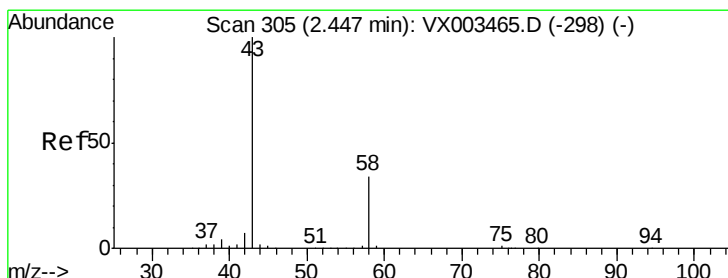
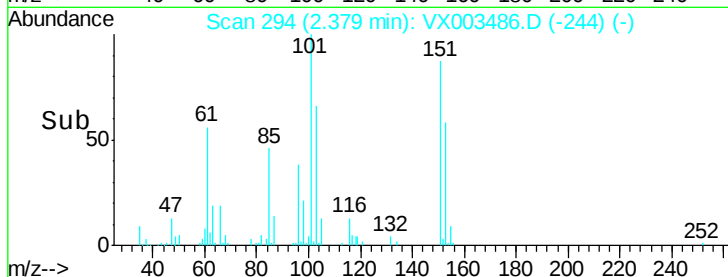
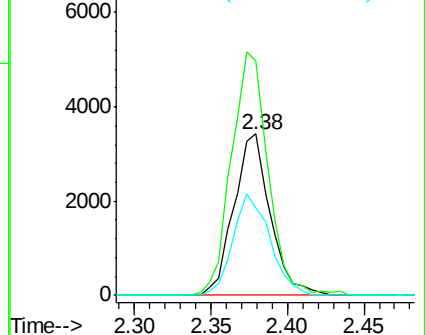
98 54.3 51.6 77.4



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: 2.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003486.D

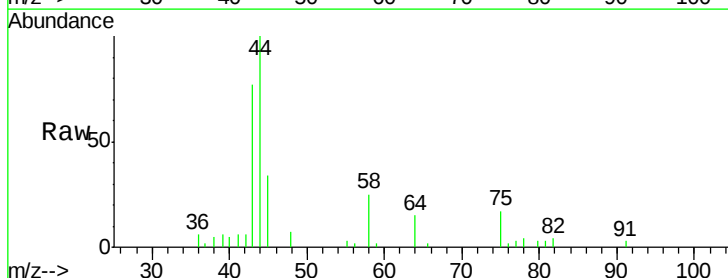
Acq: 20 Jul 2018 01:53

Tgt Ion: 43 Resp: 3452

Ion Ratio Lower Upper

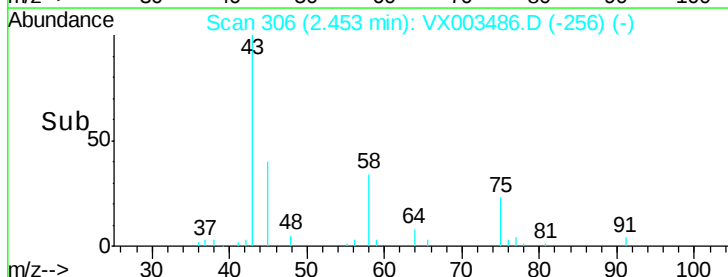
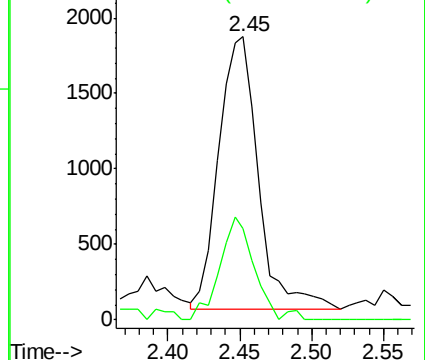
43 100

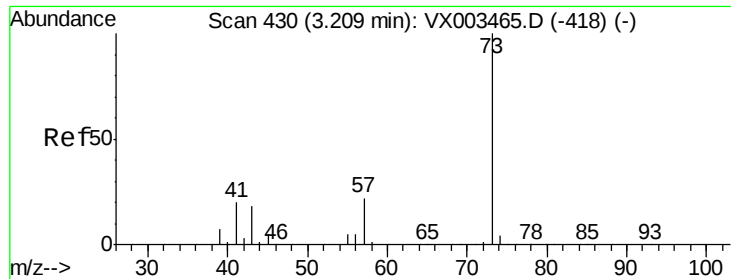
58 33.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

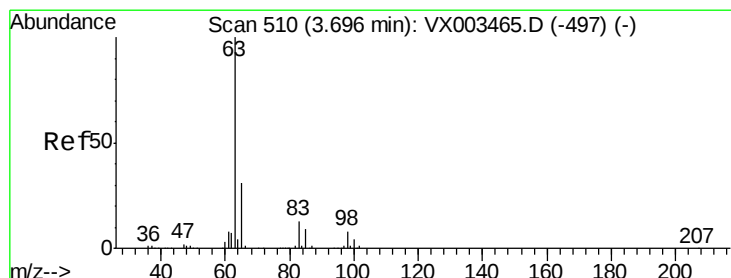
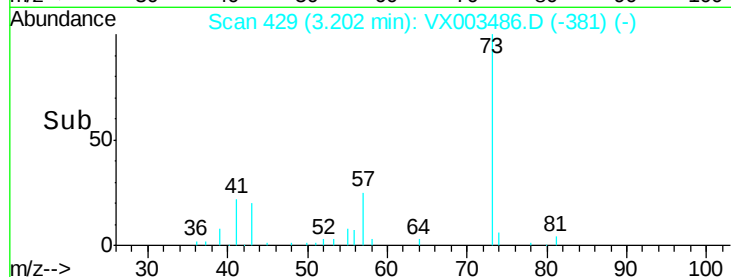
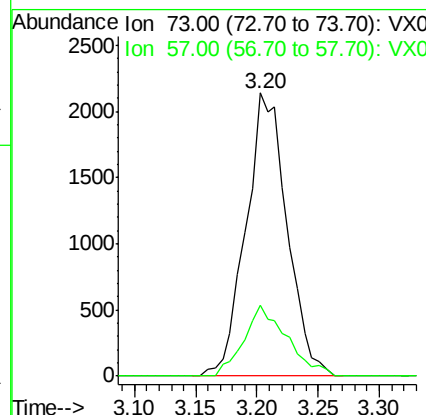
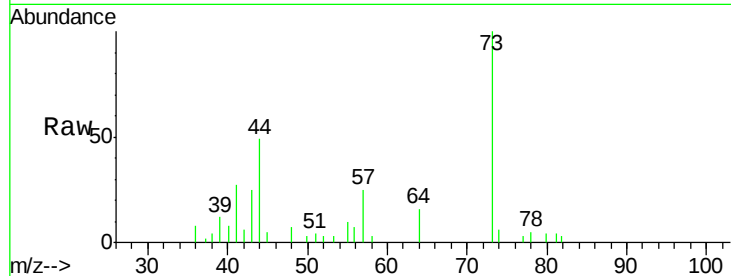




#19
Methvl tert-butvl Ether
Concen: 0.51 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

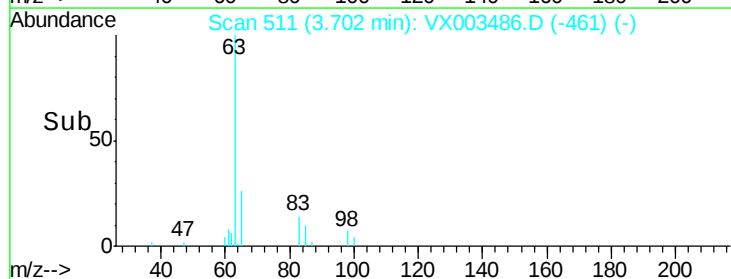
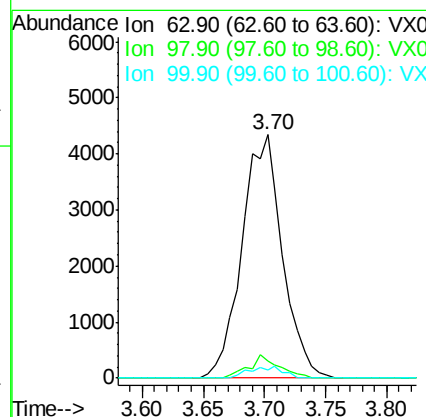
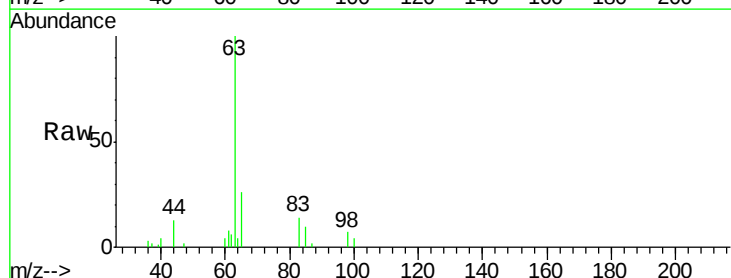
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-071118

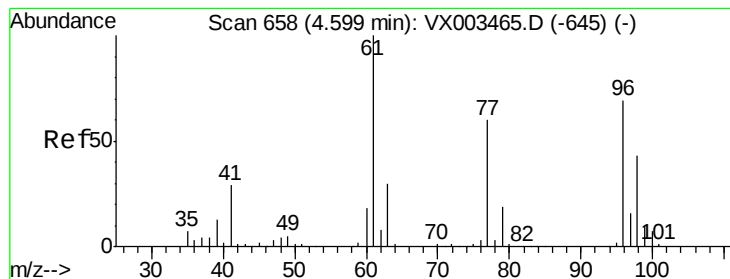
Tot Ion: 73 Resp: 5011
Ion Ratio Lower Upper
73 100
57 25.0 17.7 26.5



#24
1,1-Dichloroethane
Concen: 1.71 ug/l
RT: 3.70 min Scan# 511
Delta R.T. 0.01 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

Tgt Ion: 63 Resp: 9987
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 3.6 2.0 6.0





#27

cis-1,2-Dichloroethene

Concen: 4.63 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-071118

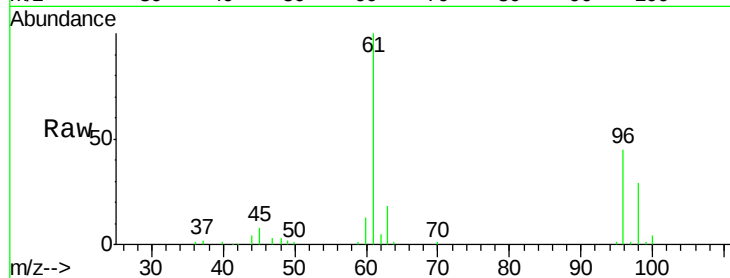
Tot Ion: 96 Resp: 17166

Ion Ratio Lower Upper

96 100

61 229.8 0.0 330.2

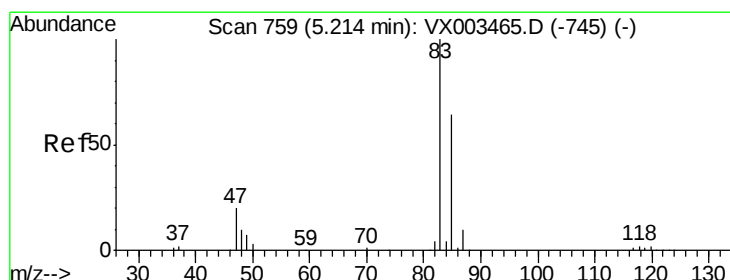
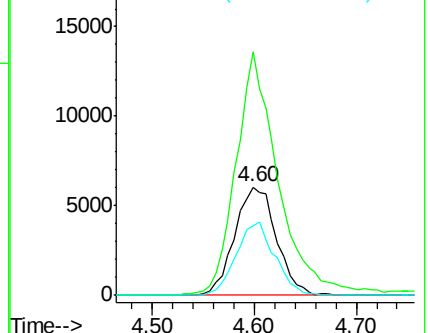
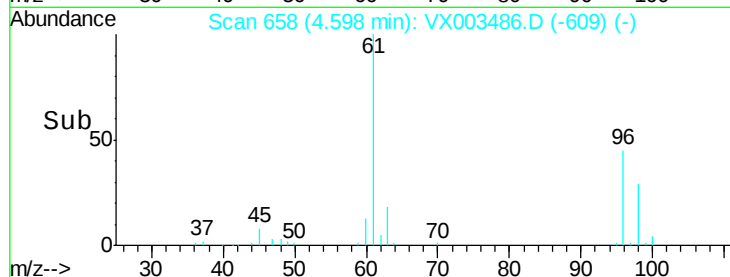
98 62.4 0.0 130.2



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: 0.91 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003486.D

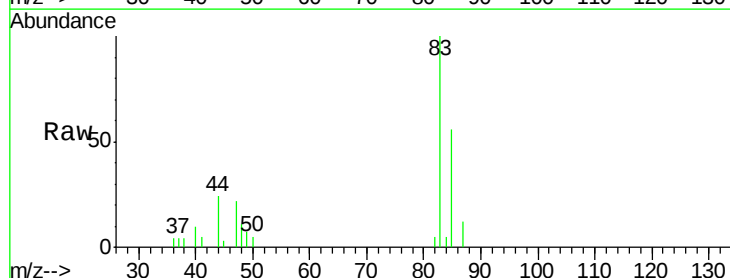
Acq: 20 Jul 2018 01:53

Tgt Ion: 83 Resp: 5187

Ion Ratio Lower Upper

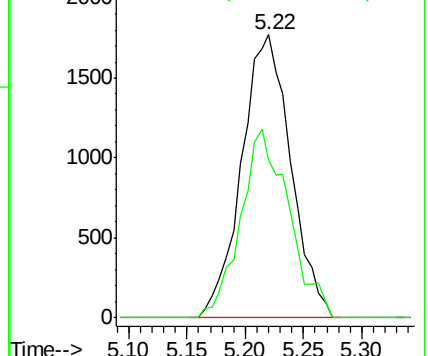
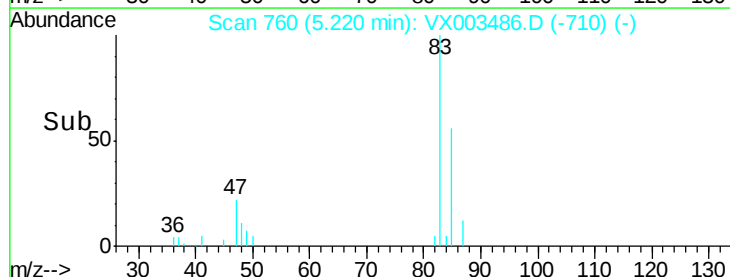
83 100

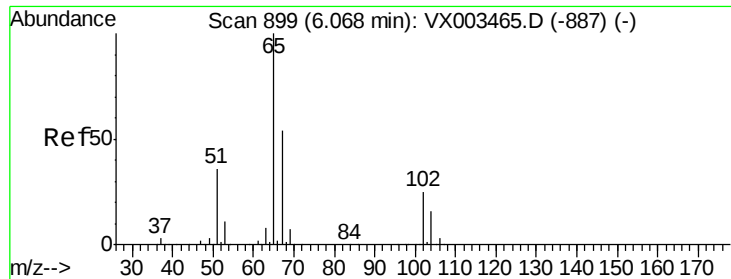
85 55.8 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

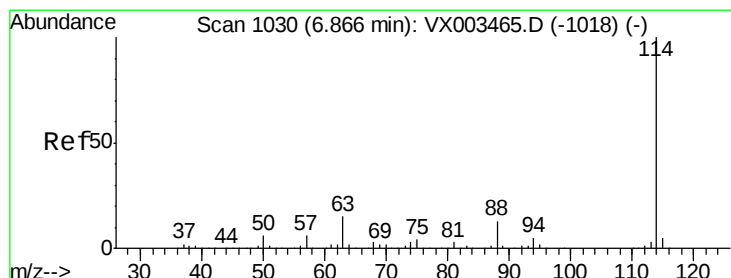
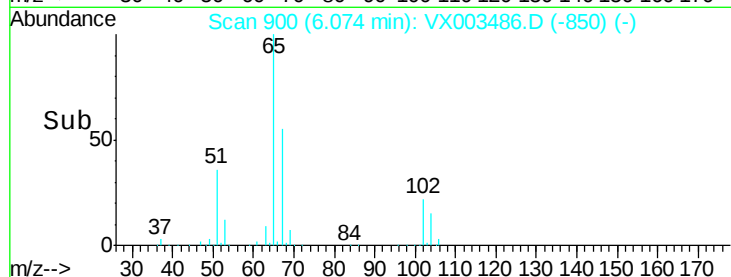
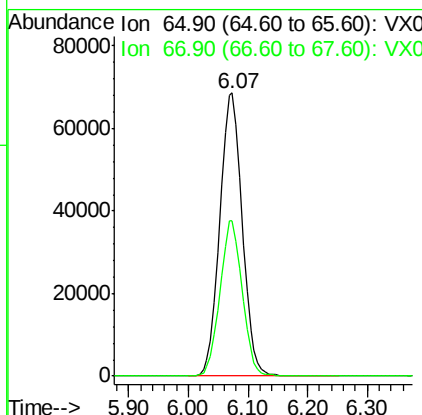
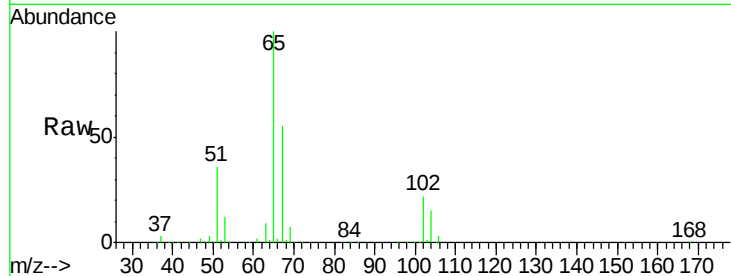




#33
 1,2-Dichloroethane-d4
 Concen: 51.99 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003486.D
 Acq: 20 Jul 2018 01:53

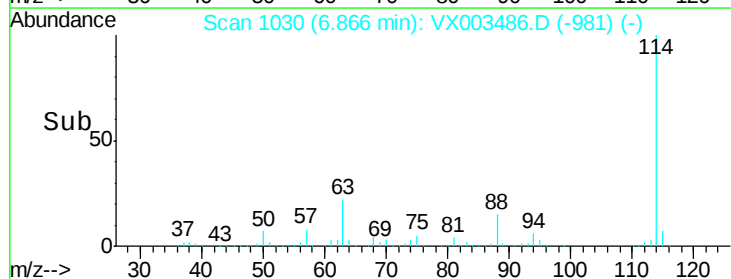
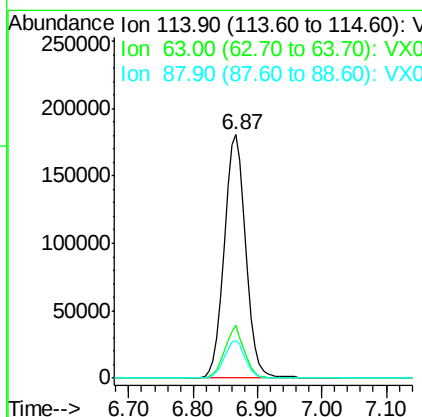
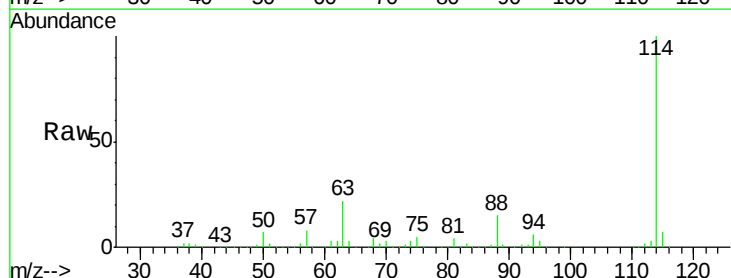
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-071118

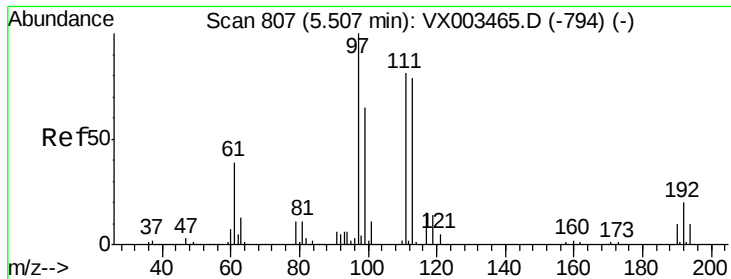
Tot Ion: 65 Resp: 180196
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003486.D
 Acq: 20 Jul 2018 01:53

Tgt Ion: 114 Resp: 426947
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.05 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-071118

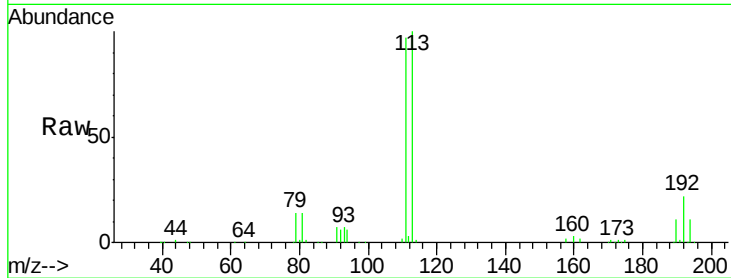
Tot Ion:113 Resp: 169260

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

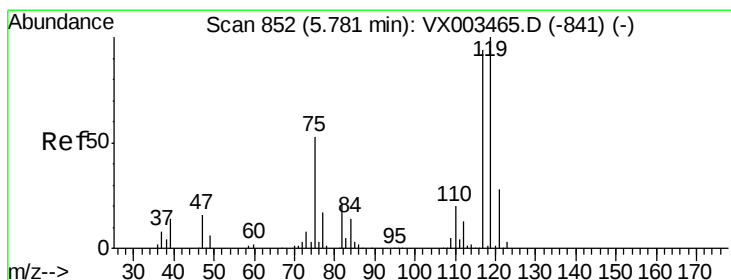
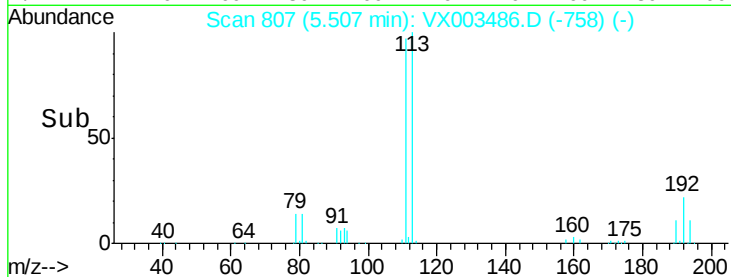
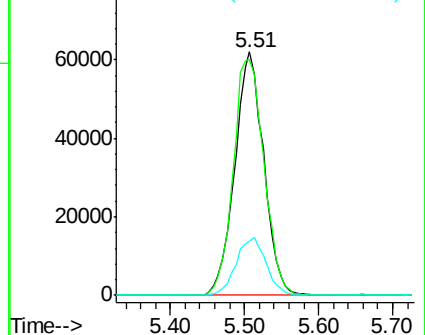
192 24.7 19.1 28.7



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: 0.25 ug/l

RT: 5.78 min Scan# 851

Delta R.T. -0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

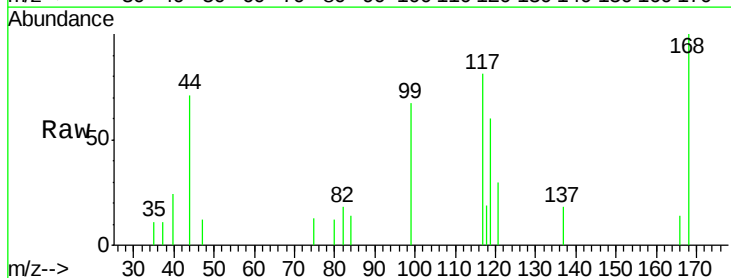
Tgt Ion:117 Resp: 1139

Ion Ratio Lower Upper

117 100

119 73.3 77.4 116.0#

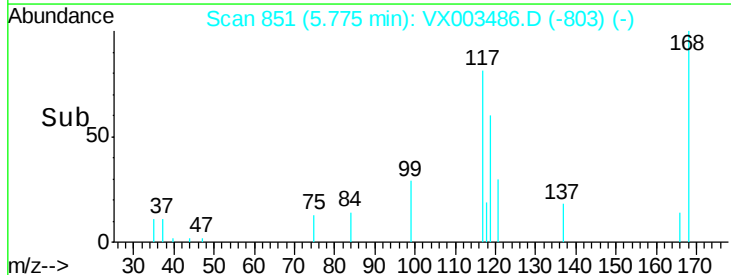
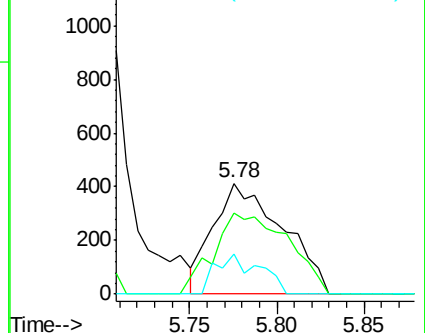
121 36.4 24.4 36.6

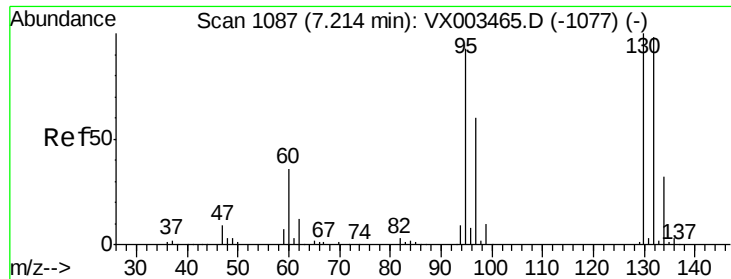


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 137.46 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

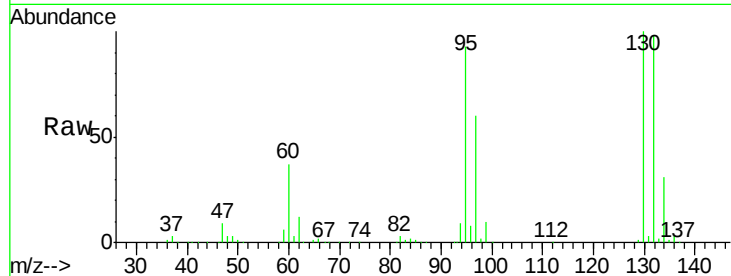
RE125D1-071118

Tot Ion:130 Resp: 570527

Ion Ratio Lower Upper

130 100

95 93.0 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

300000

250000

200000

150000

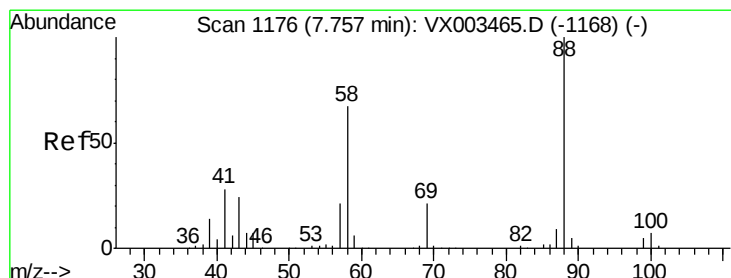
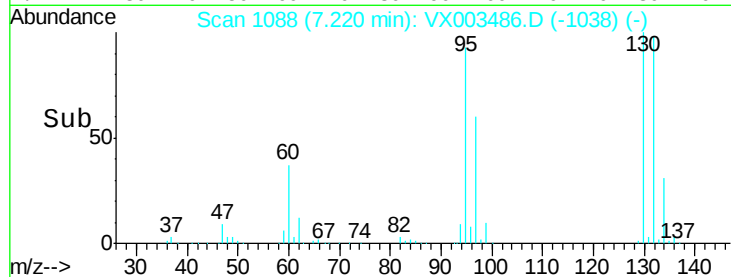
100000

50000

0

Time-->

7.10 7.20 7.30 7.40 7.50



#49

1,4-Dioxane

Concen: 24.17 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

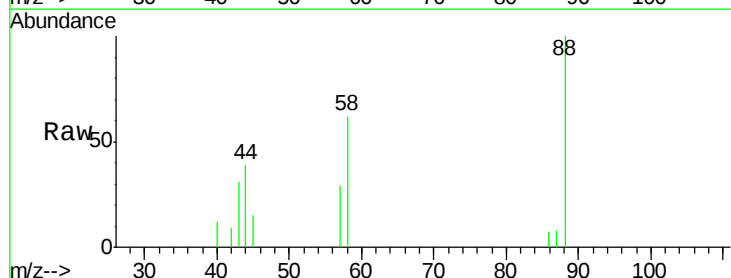
Tgt Ion: 88 Resp: 1916

Ion Ratio Lower Upper

88 100

43 24.4 29.8 44.6#

58 65.4 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

1200

1000

800

600

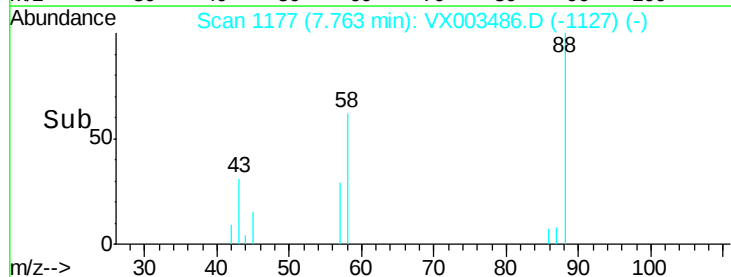
400

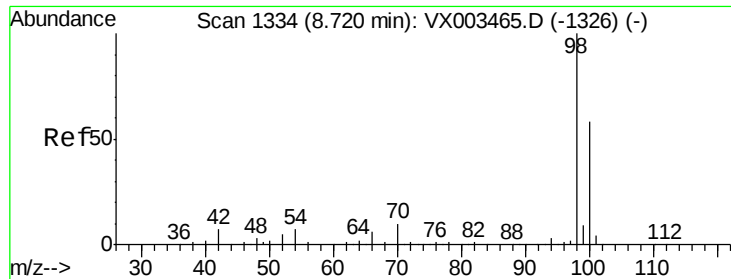
200

0

Time-->

7.70 7.75 7.80 7.85

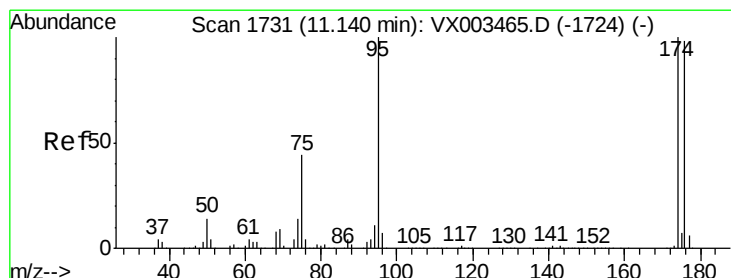
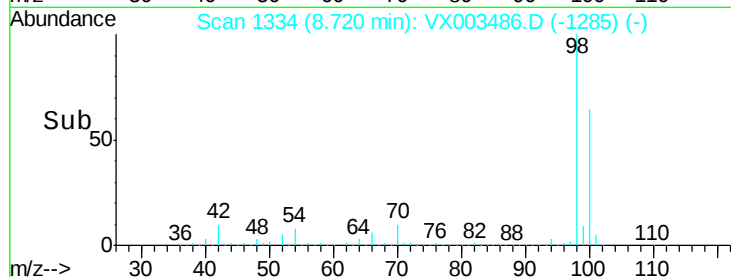
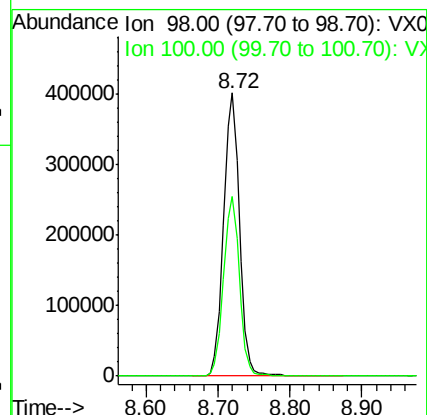
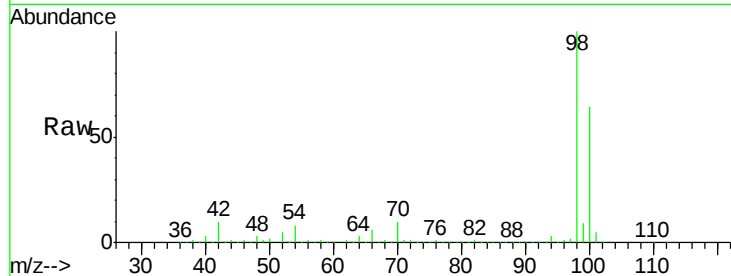




#50
Toluene-d8
Concen: 50.41 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

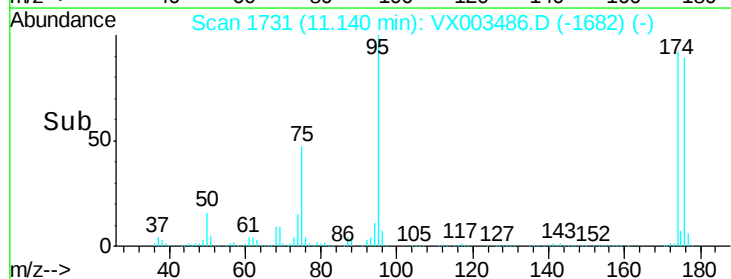
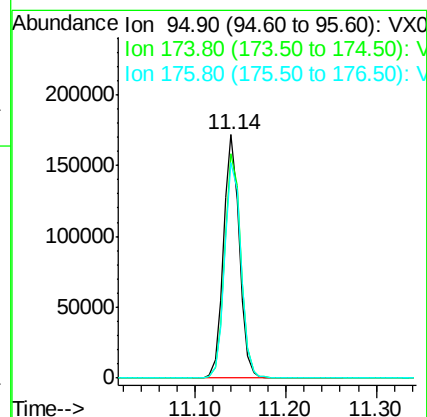
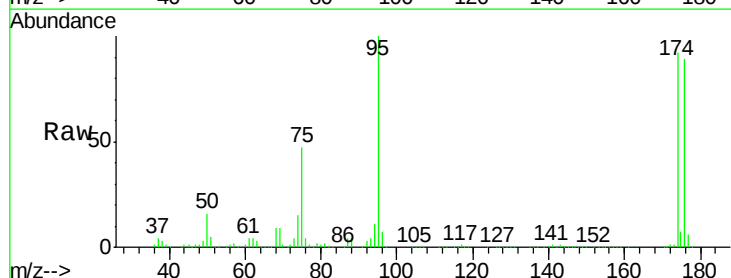
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-071118

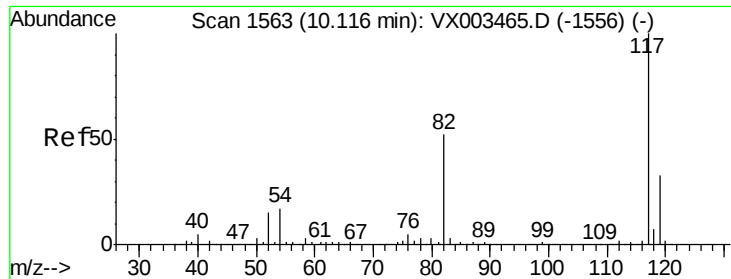
Tot Ion: 98 Resp: 616115
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

Tgt Ion: 95 Resp: 208935
Ion Ratio Lower Upper
95 100
174 94.6 0.0 187.4
176 91.9 0.0 181.0

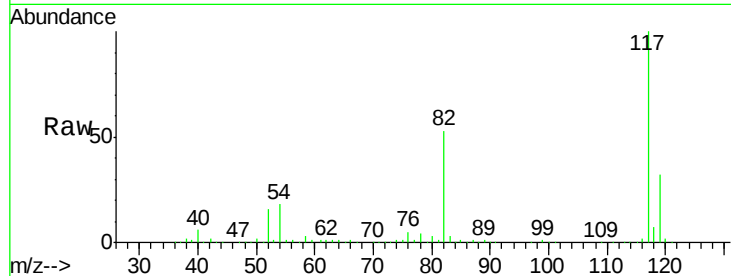




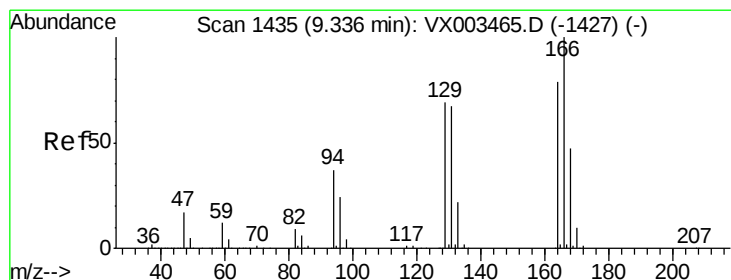
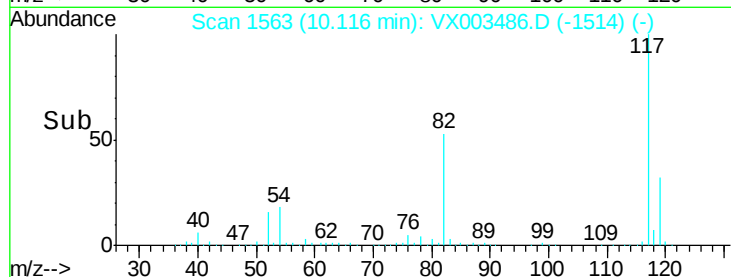
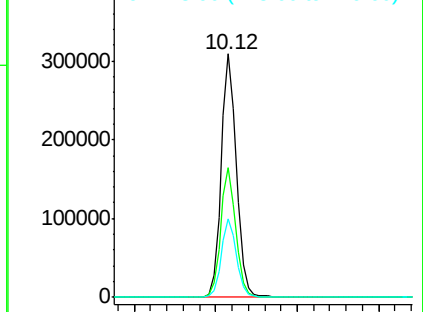
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-071118

Tot Ion:117 Resp: 403657
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 32.3 25.8 38.6

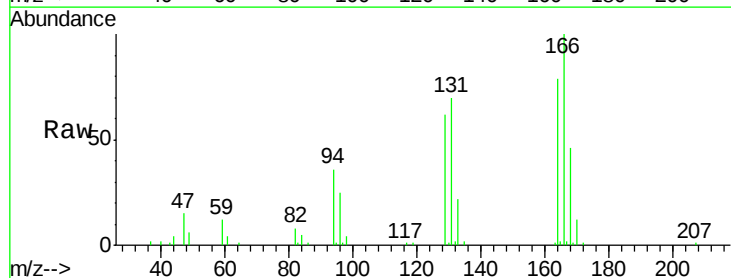


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

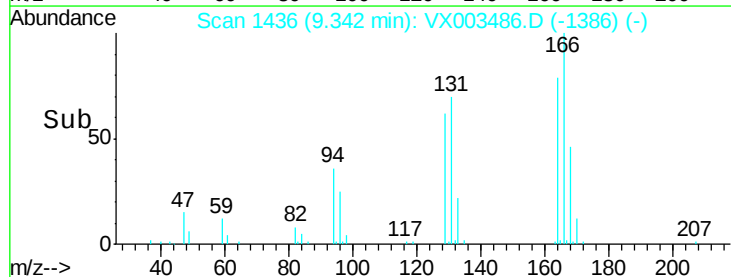
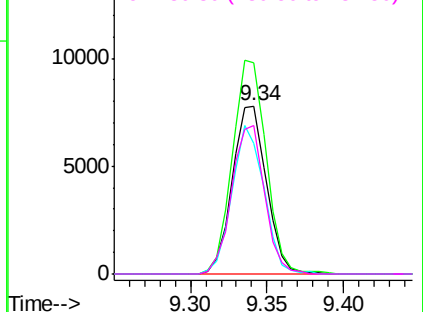


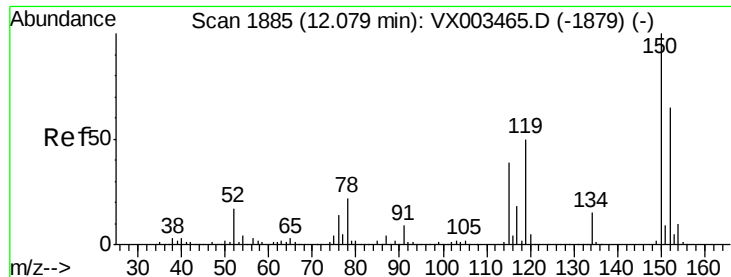
#64
Tetrachloroethene
Concen: 2.44 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003486.D
Acq: 20 Jul 2018 01:53

Tgt Ion:164 Resp: 12001
Ion Ratio Lower Upper
164 100
166 125.8 102.9 154.3
129 77.5 68.6 102.8
131 88.4 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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003486.D

Acq: 20 Jul 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-071118

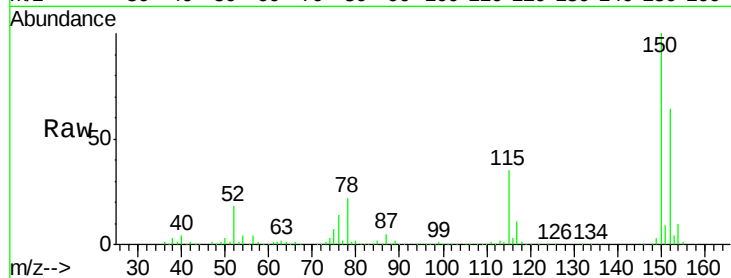
Tot Ion:152 Resp: 219222

Ion Ratio Lower Upper

152 100

115 54.0 40.1 120.2

150 156.5 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

