

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003482.D
 Acq On : 20 Jul 2018 00:07
 Operator : JC/SP
 Sample : J3170-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-071018

Quant Time: Jul 20 11:42:42 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	290451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	422150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226044	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	178644	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
35) Dibromofluoromethane	5.51	113	163832	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	8.72	98	601110	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	208438	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

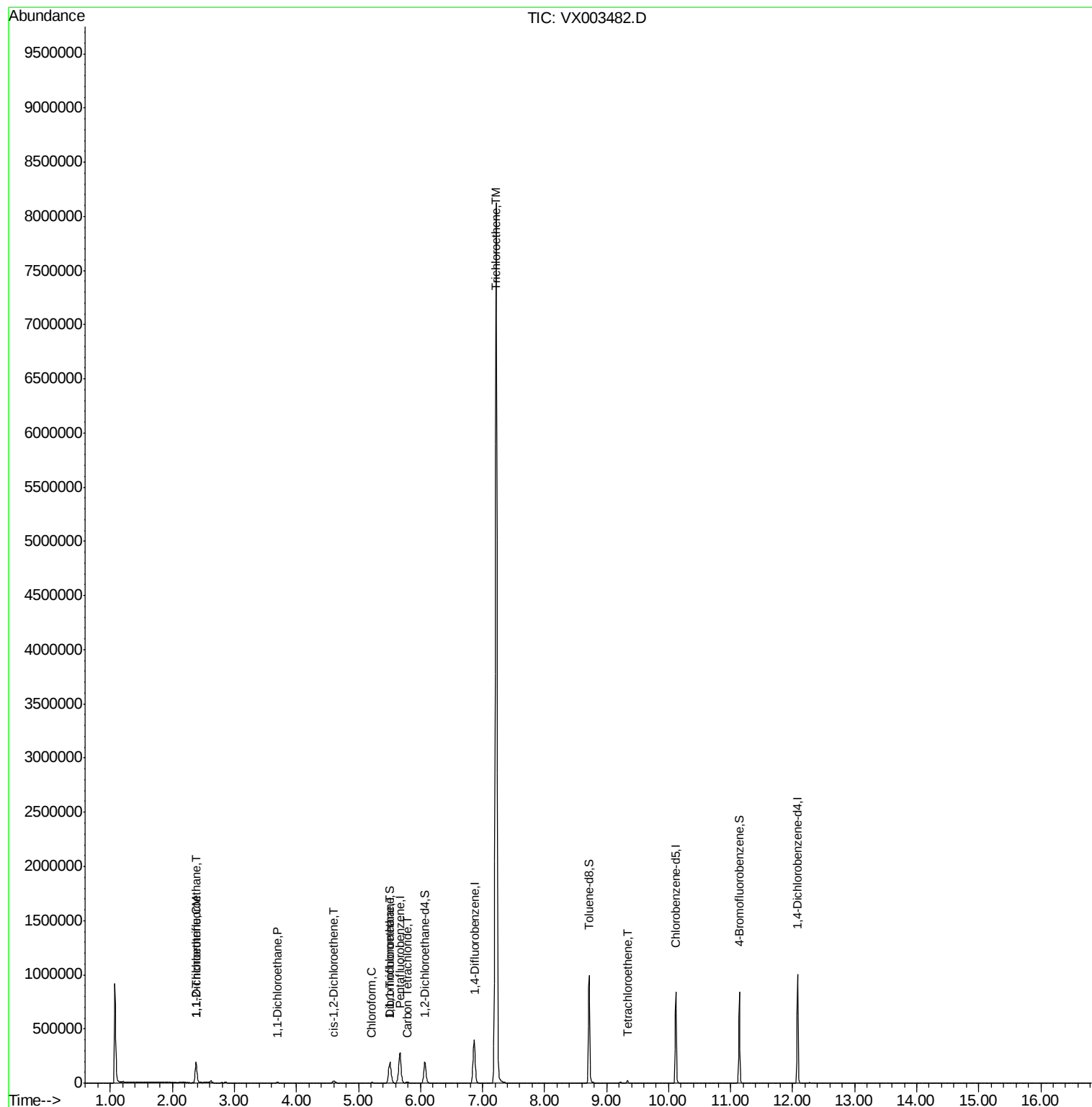
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	64658	20.07	ug/l	98
12) 1,1-Dichloroethene	2.37	96	17388	5.86	ug/l	89
24) 1,1-Dichloroethane	3.70	63	6739	1.16	ug/l	95
27) cis-1,2-Dichloroethene	4.61	96	8533	2.32	ug/l #	1
30) Chloroform	5.21	83	5737	1.01	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	2187	0.45	ug/l #	52
38) Carbon Tetrachloride	5.78	117	6238	1.40	ug/l #	83
44) Trichloroethene	7.22	130	3279528	799.12	ug/l	99
64) Tetrachloroethene	9.34	164	5178	1.06	ug/l	92

(#) = 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: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

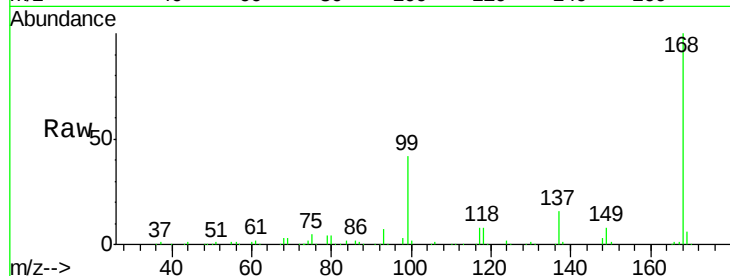
TT101D2-071018

Tot Ion:168 Resp: 290451

Ion Ratio Lower Upper

168 100

99 42.1 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

120000

100000

80000

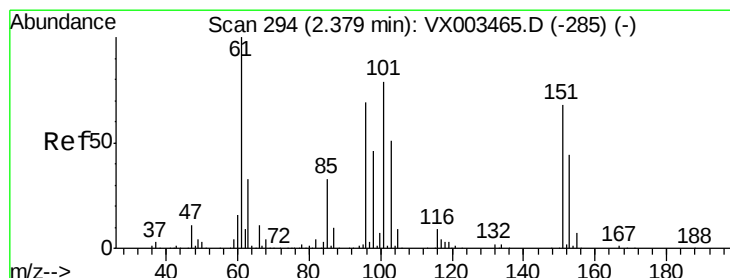
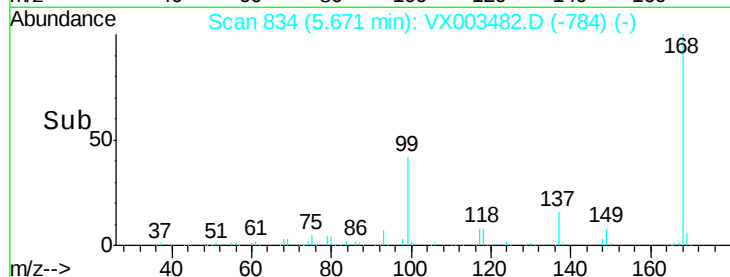
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.07 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

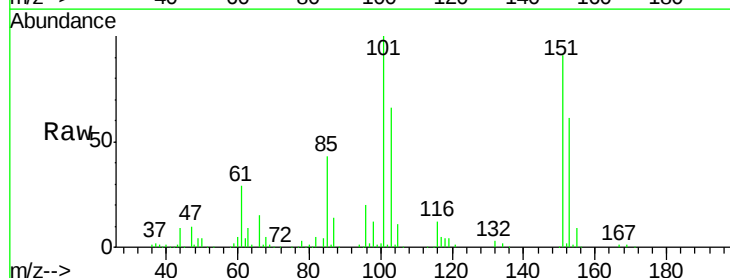
Tgt Ion:101 Resp: 64658

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

151 89.8 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

40000

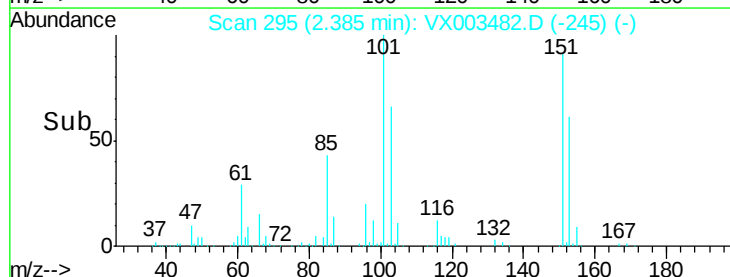
30000

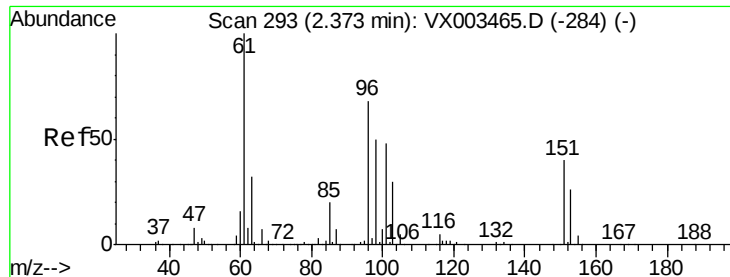
20000

10000

0

Time--> 2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 5.86 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-071018

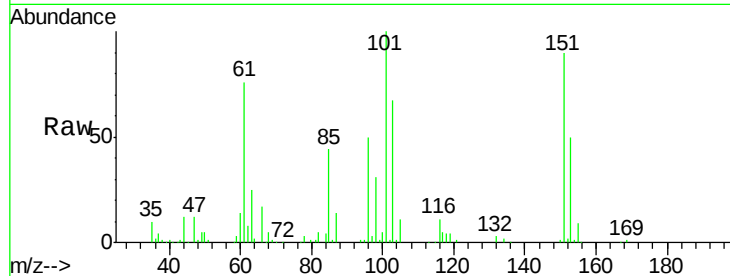
Tot Ion: 96 Resp: 17388

Ion Ratio Lower Upper

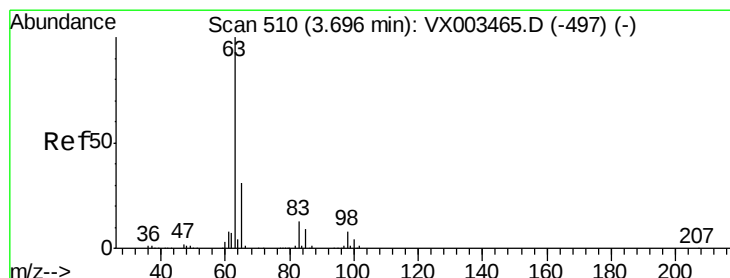
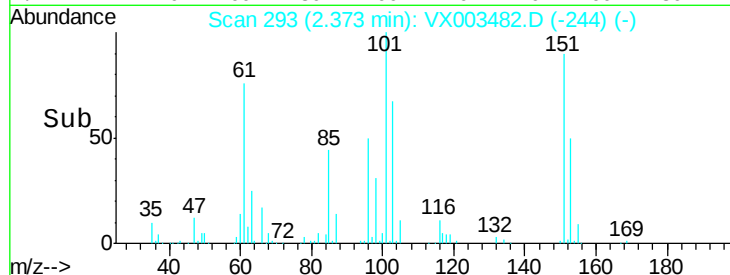
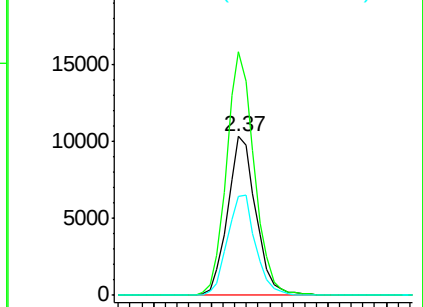
96 100

61 153.4 137.9 206.9

98 62.4 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: 1.16 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

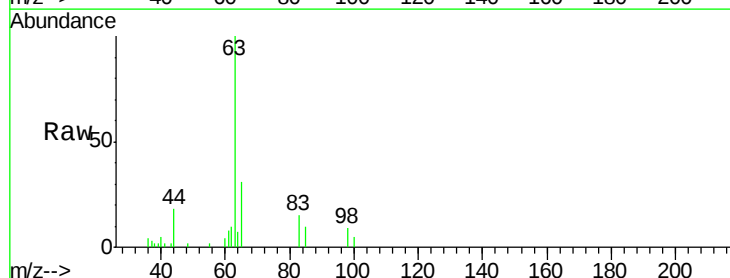
Tgt Ion: 63 Resp: 6739

Ion Ratio Lower Upper

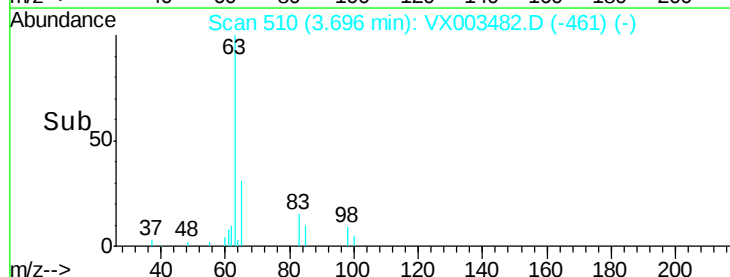
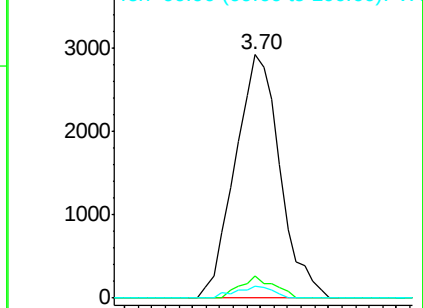
63 100

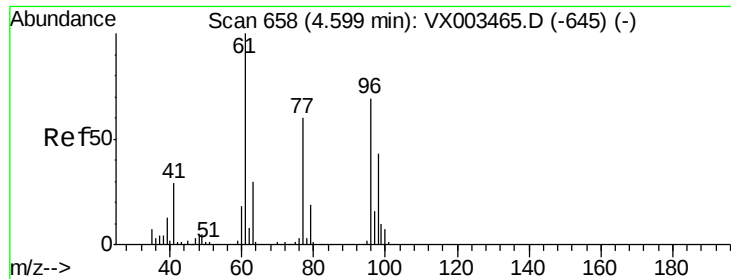
98 9.1 3.4 10.2

100 5.0 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: 2.32 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-071018

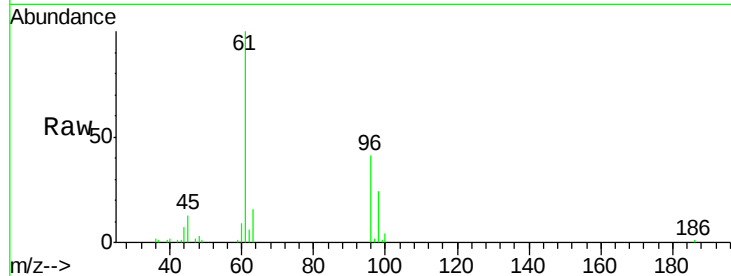
Tot Ion: 96 Resp: 8533

Ion Ratio Lower Upper

96 100

61 360.3 0.0 330.2#

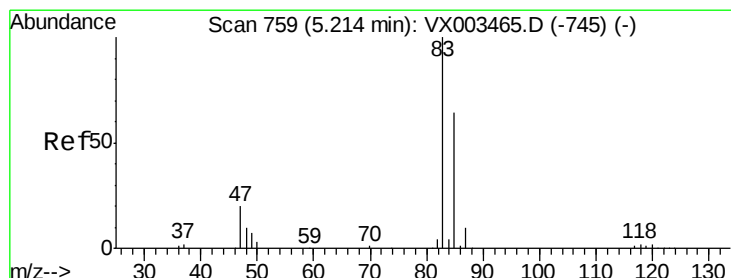
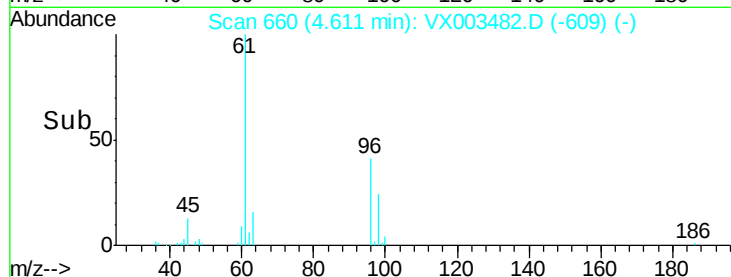
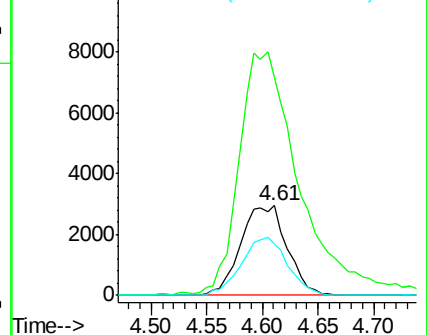
98 64.5 0.0 130.2



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: 1.01 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX003482.D

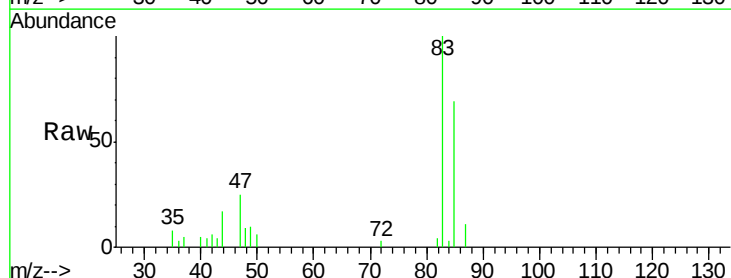
Acq: 20 Jul 2018 00:07

Tgt Ion: 83 Resp: 5737

Ion Ratio Lower Upper

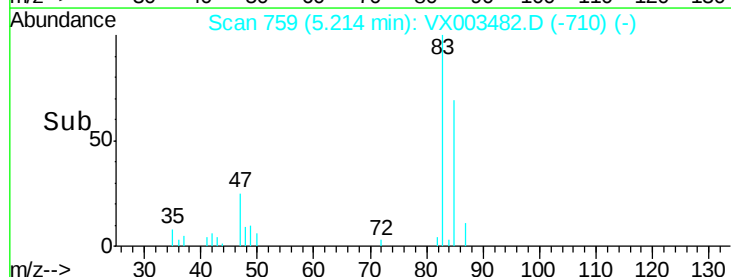
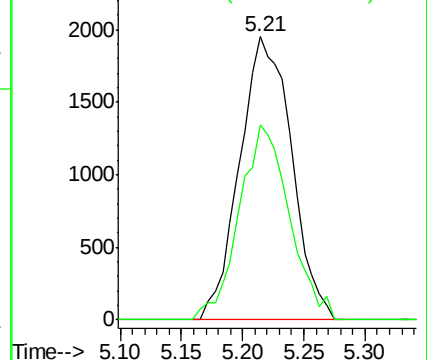
83 100

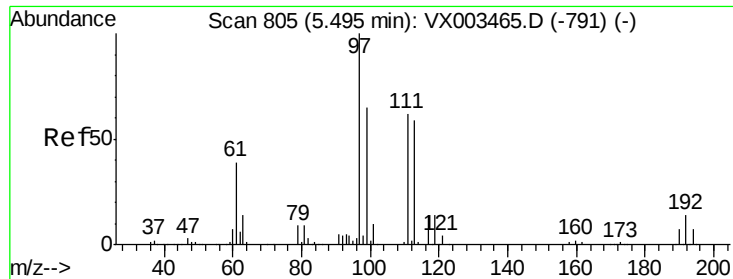
85 68.9 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.45 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-071018

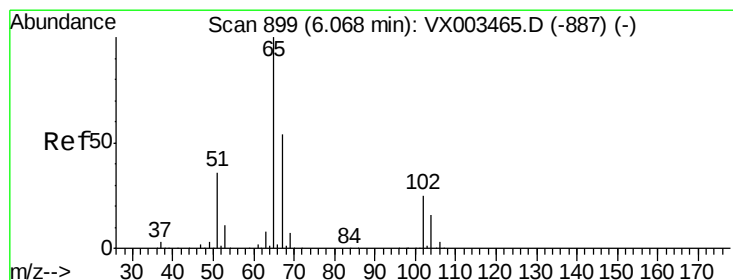
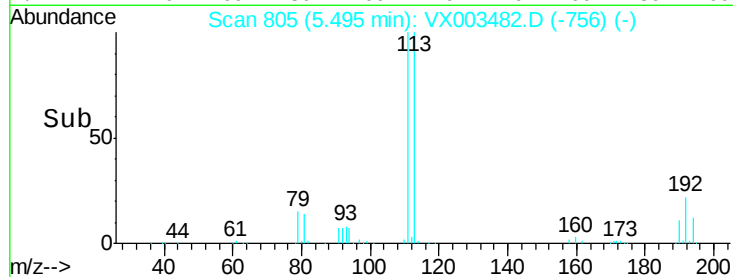
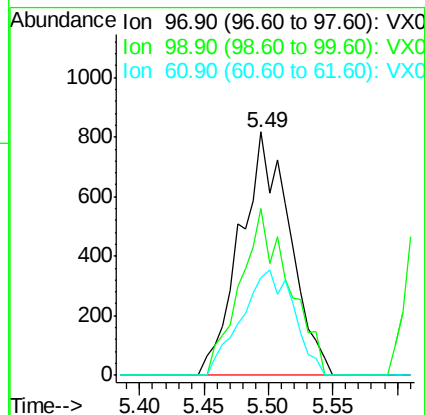
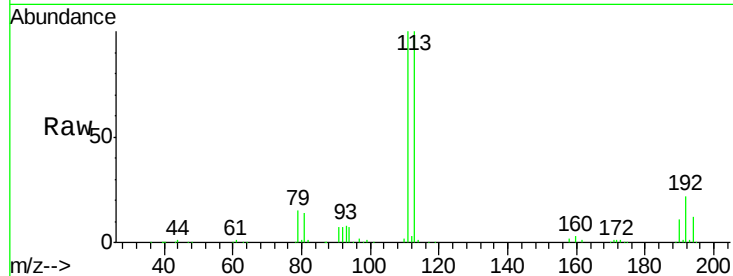
Tot Ion: 97 Resp: 2187

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

61 45.6 36.4 54.6



#33

1,2-Dichloroethane-d4

Concen: 51.96 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003482.D

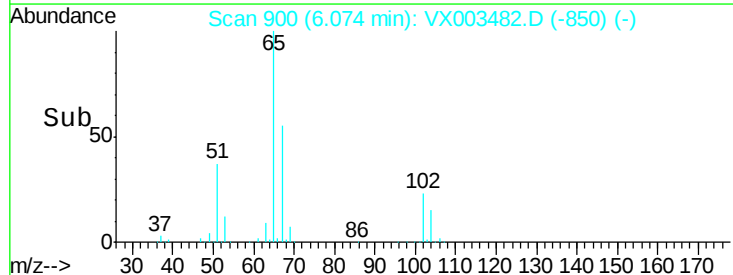
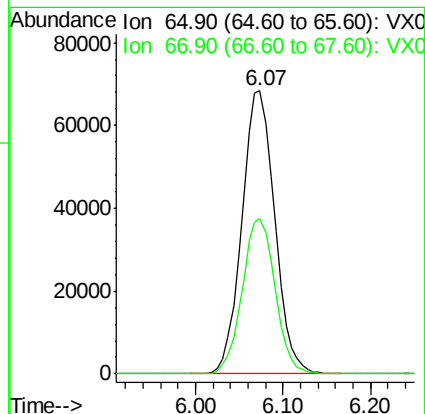
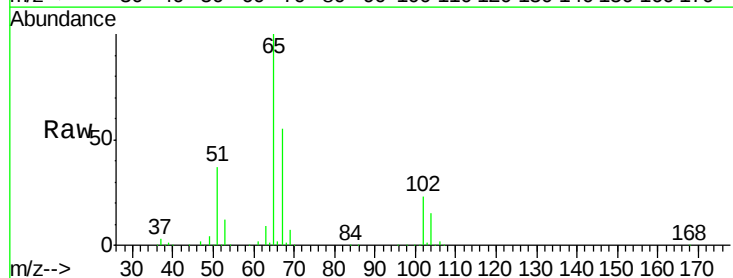
Acq: 20 Jul 2018 00:07

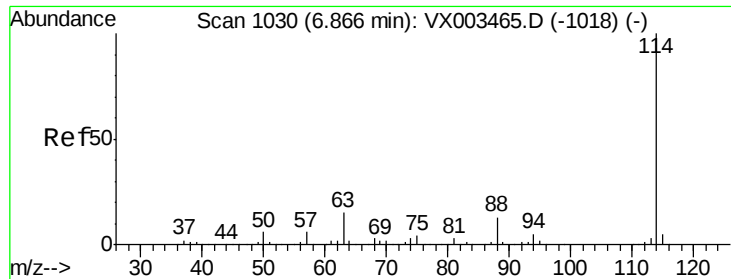
Tgt Ion: 65 Resp: 178644

Ion Ratio Lower Upper

65 100

67 54.9 0.0 102.6

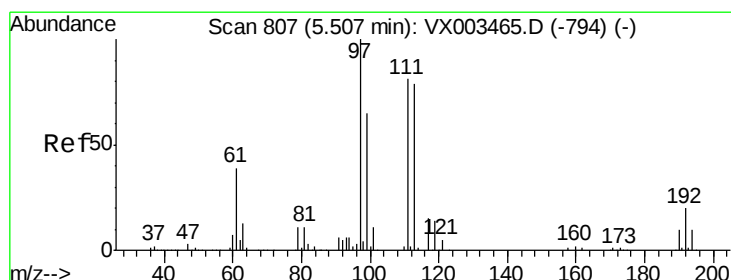
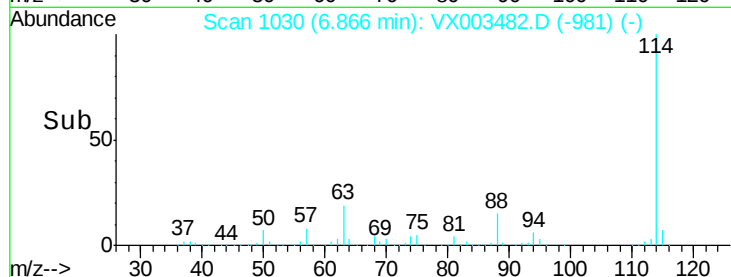
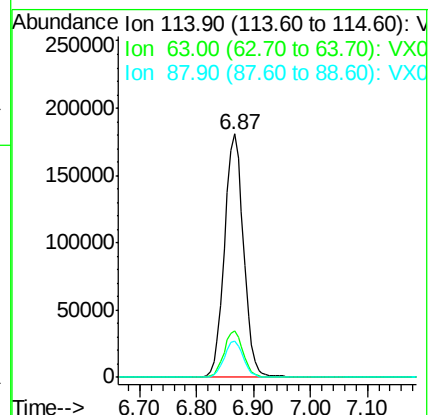
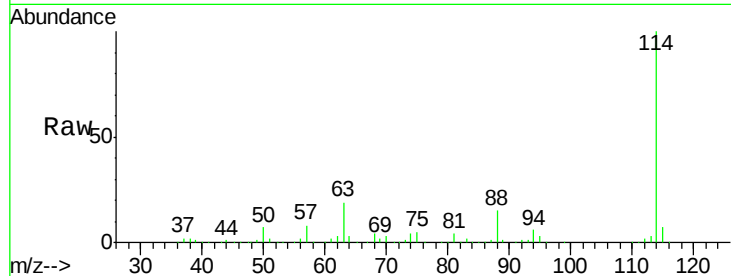




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003482.D
 Acq: 20 Jul 2018 00:07

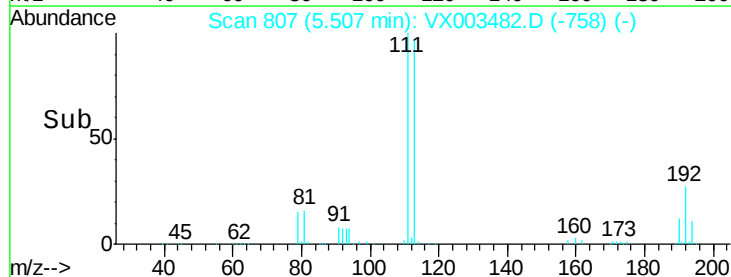
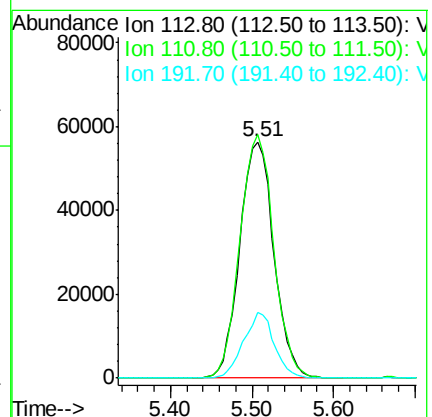
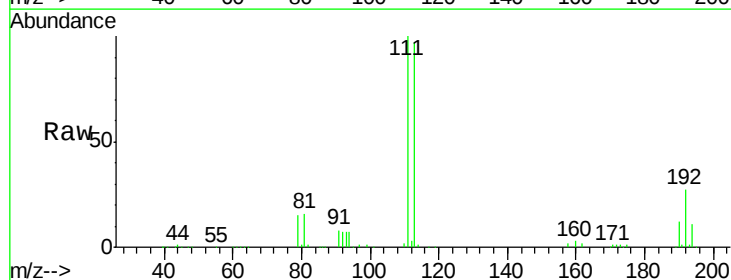
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-071018

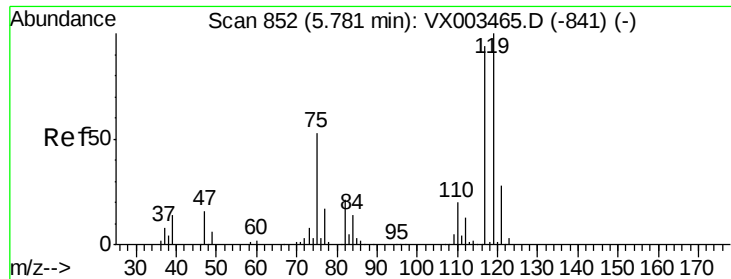
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.4
88	15.0	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 50.95 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003482.D
 Acq: 20 Jul 2018 00:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	25.2	19.1	28.7





#38

Carbon Tetrachloride

Concen: 1.40 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-071018

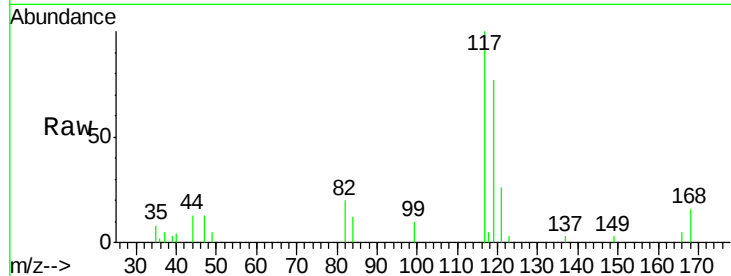
Tot Ion:117 Resp: 6238

Ion Ratio Lower Upper

117 100

119 76.9 77.4 116.0#

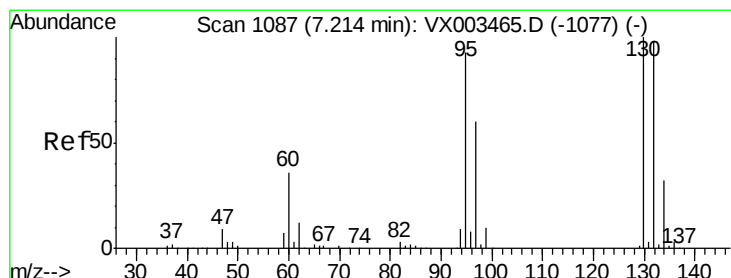
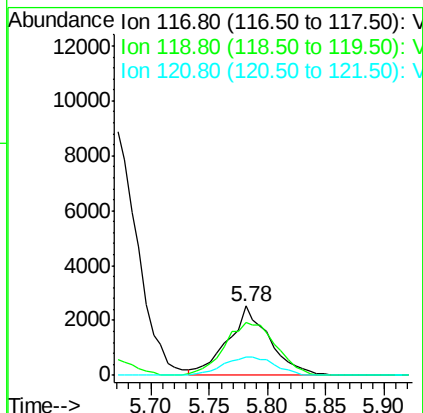
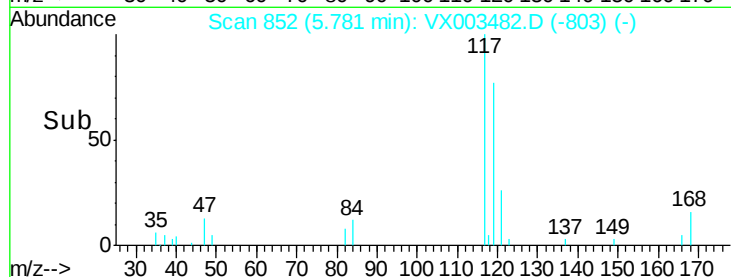
121 25.8 24.4 36.6



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: 799.12 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003482.D

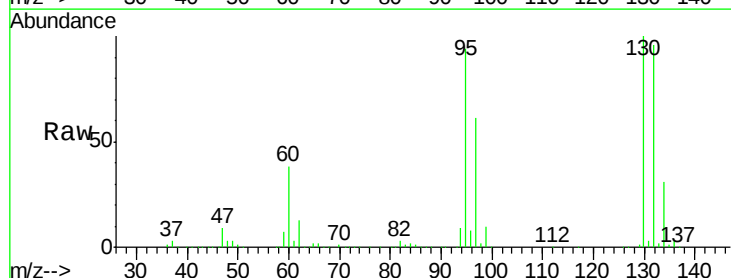
Acq: 20 Jul 2018 00:07

Tgt Ion:130 Resp: 3279528

Ion Ratio Lower Upper

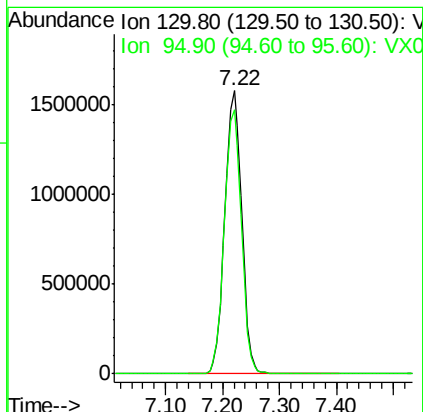
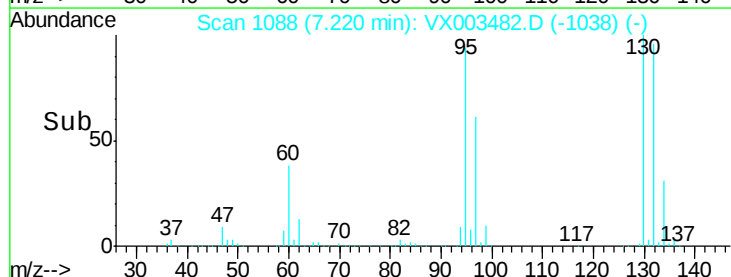
130 100

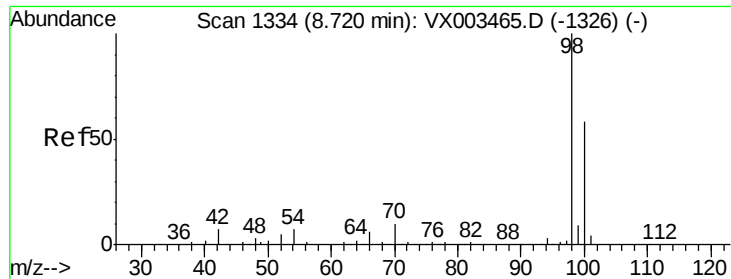
95 93.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.74 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

Instrument :

MSVOA_X

ClientSampleId :

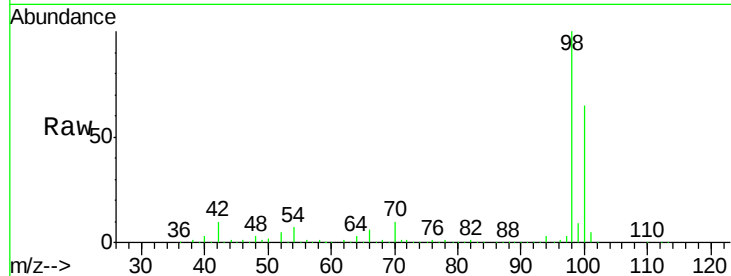
TT101D2-071018

Tot Ion: 98 Resp: 601110

Ion Ratio Lower Upper

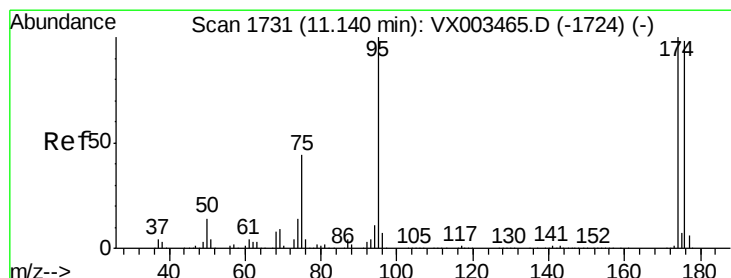
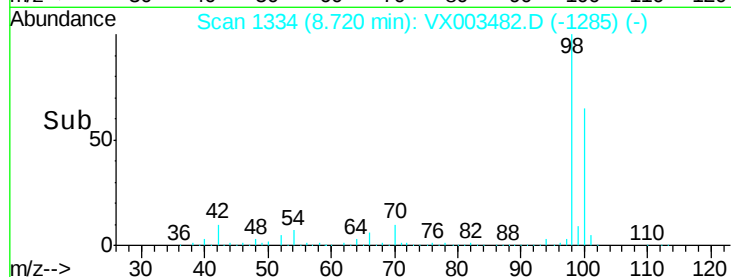
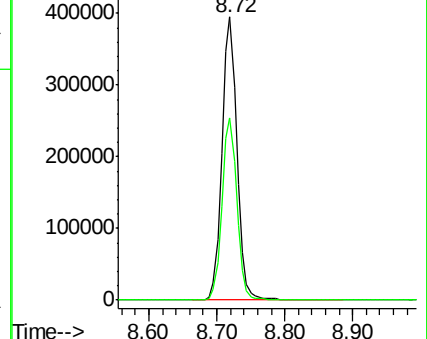
98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003482.D

Acq: 20 Jul 2018 00:07

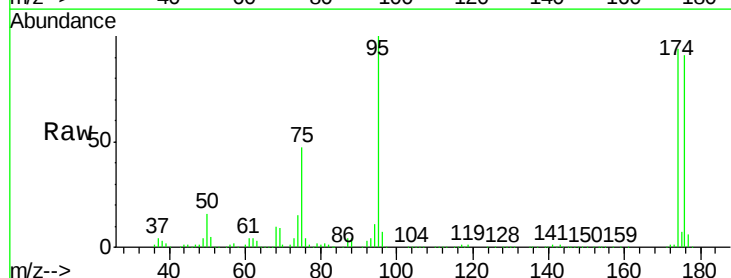
Tgt Ion: 95 Resp: 208438

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.4

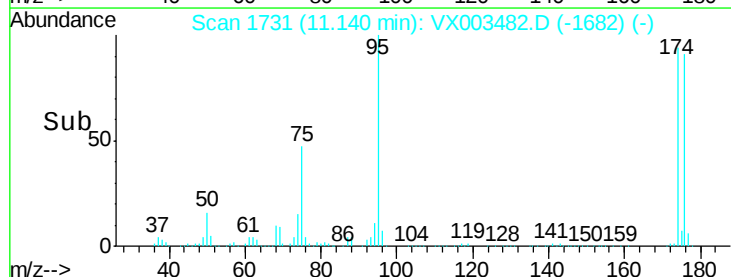
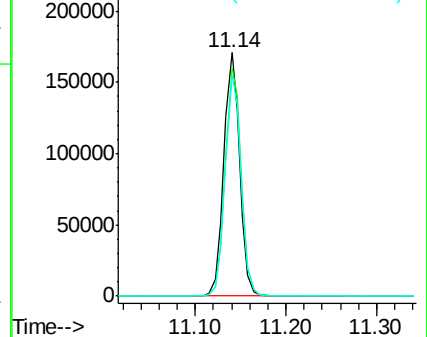
176 91.7 0.0 181.0

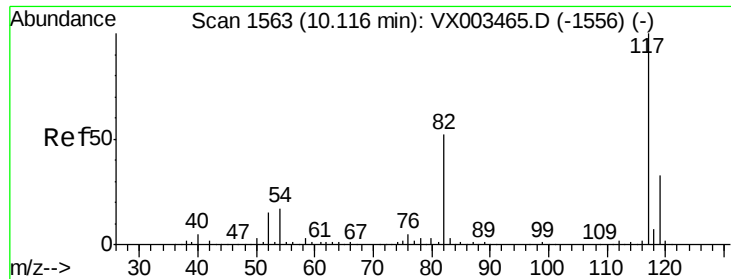


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

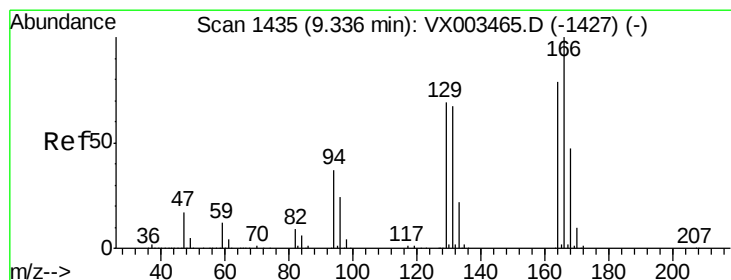
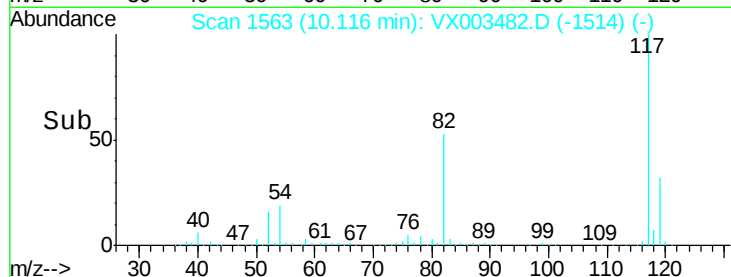
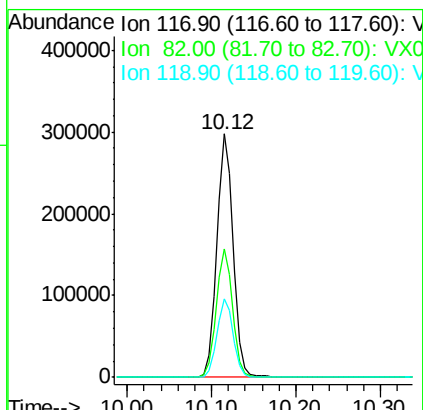
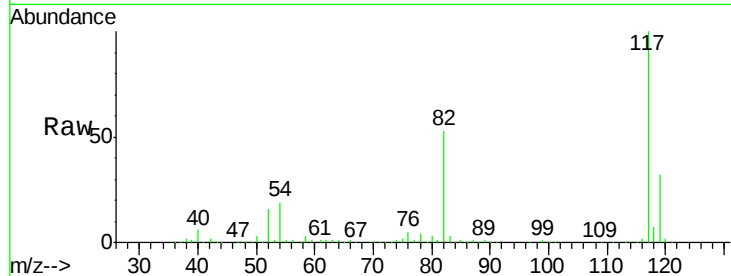




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003482.D
Acq: 20 Jul 2018 00:07

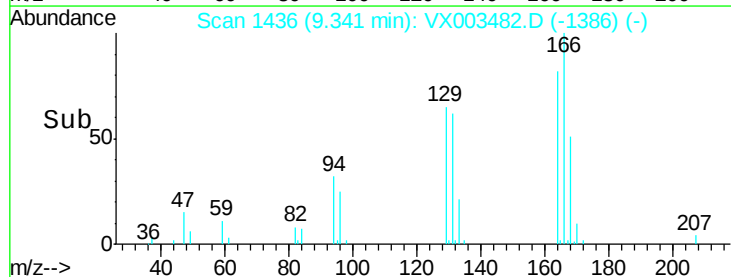
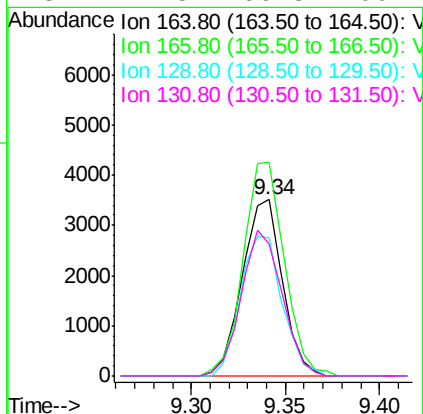
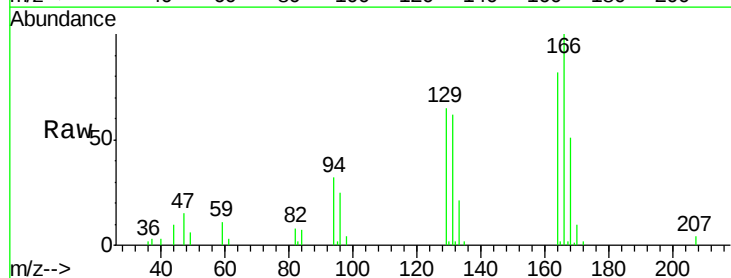
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-071018

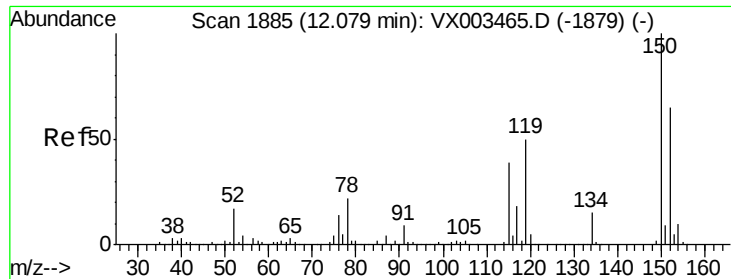
Tot Ion:117 Resp: 400302
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 1.06 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003482.D
Acq: 20 Jul 2018 00:07

Tgt Ion:164 Resp: 5178
Ion Ratio Lower Upper
164 100
166 121.3 102.9 154.3
129 78.7 68.6 102.8
131 74.8 66.8 100.2

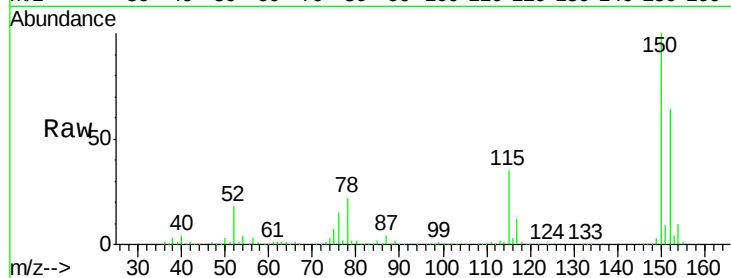




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX003482.D
 Acq: 20 Jul 2018 00:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-071018

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.3	40.1	120.2
150	155.3	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

