

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006399.D
 Acq On : 11 Dec 2018 05:05
 Operator : JC/MD
 Sample : J6324-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181206

Quant Time: Dec 11 06:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	686600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1079797	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	984886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	468237	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	364660	52.03	ug/l	0.00
Spiked Amount						
			Recovery	=	104.06%	
35) Dibromofluoromethane	5.51	113	332642	47.58	ug/l	0.00
Spiked Amount						
			Recovery	=	95.16%	
50) Toluene-d8	8.71	98	1264878	49.74	ug/l	0.00
Spiked Amount						
			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	477644	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	

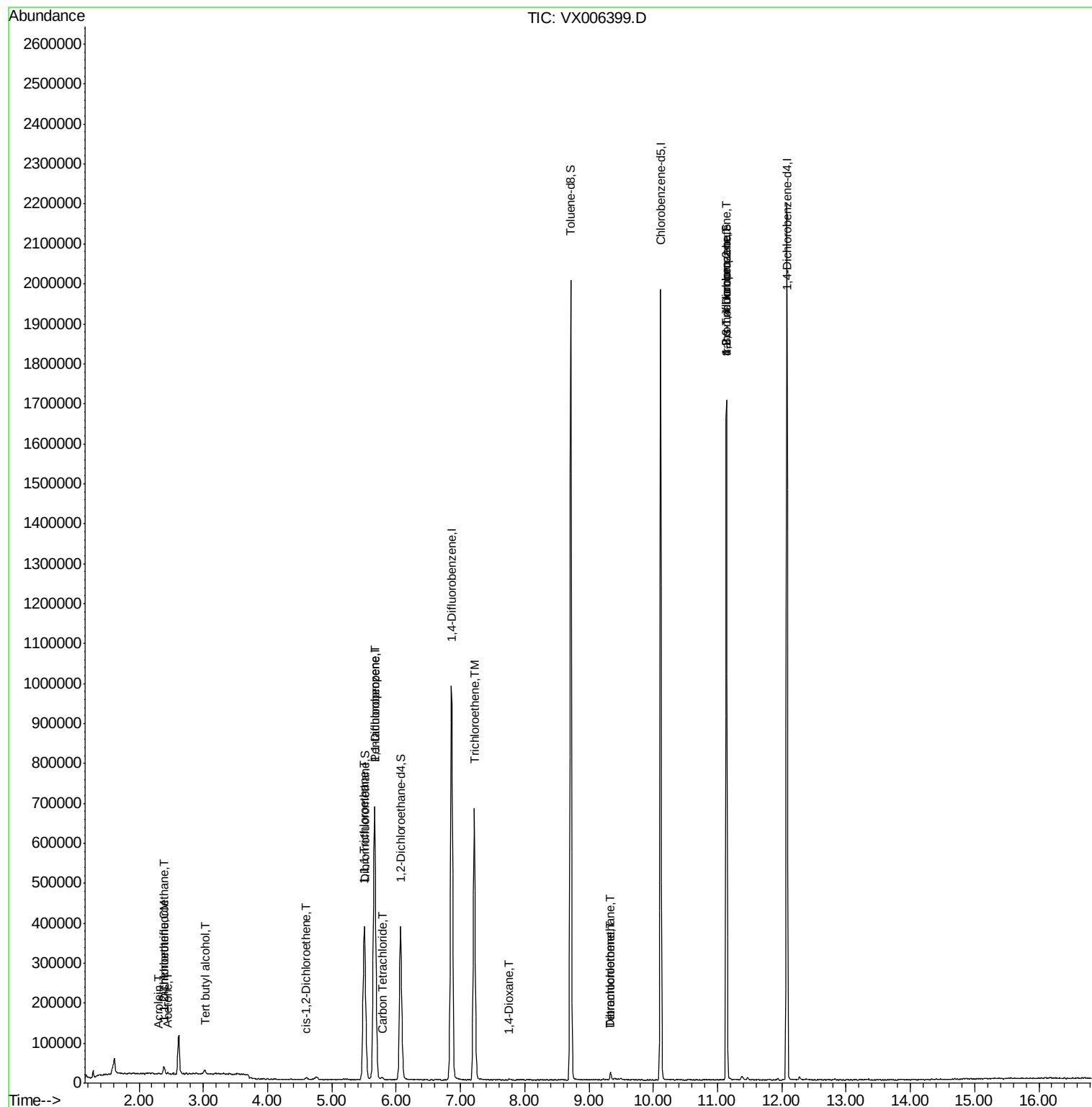
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7620	1.174	ug/l	96
11) Tert butyl alcohol	3.02	59	7000	3.652	ug/l #	91
12) 1,1-Dichloroethene	2.38	96	1667	0.268	ug/l	84
13) Acrolein	2.29	56	225	0.215	ug/l #	22
16) Acetone	2.44	43	3323	1.010	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	2816	0.381	ug/l	79
32) 1,1,1-Trichloroethane	5.49	97	2372	0.217	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	44114	4.851	ug/l #	49
38) Carbon Tetrachloride	5.79	117	3126	0.292	ug/l #	81
44) Trichloroethene	7.21	130	278868	33.800	ug/l	95
49) 1,4-Dioxane	7.75	88	2312	11.357	ug/l	90
60) Dibromochloromethane	9.34	129	3481	0.388	ug/l #	14
64) Tetrachloroethene	9.34	164	3239	0.437	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	216125	23.914	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	216125	56.119	ug/l #	15

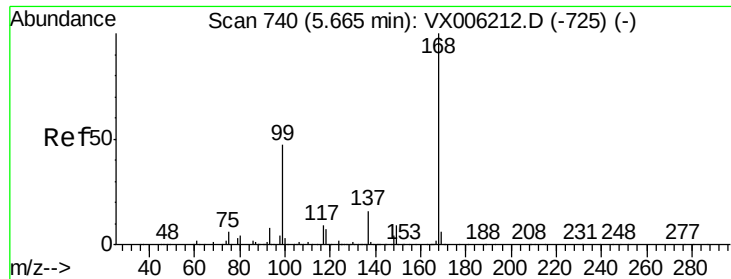
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

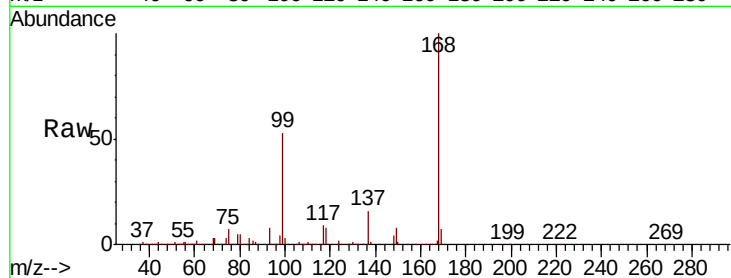
RE-109D2-20181206

Tot Ion:168 Resp: 686600

Ion Ratio Lower Upper

168 100

99 52.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

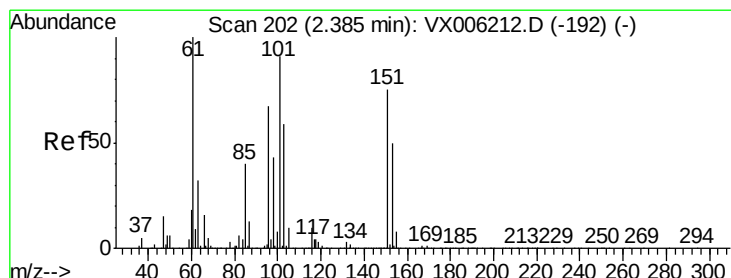
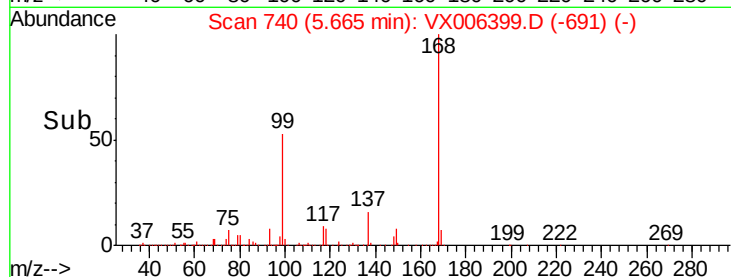
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.174 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

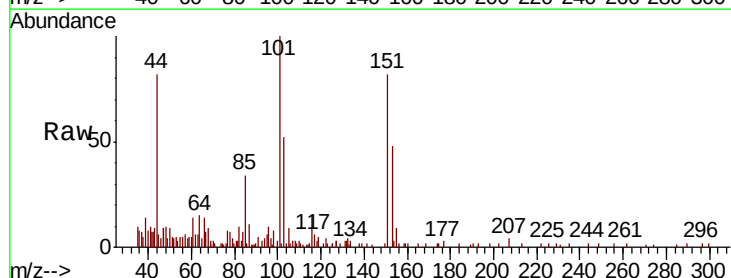
Tgt Ion:101 Resp: 7620

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

151 79.9 68.6 103.0



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

5000

4000

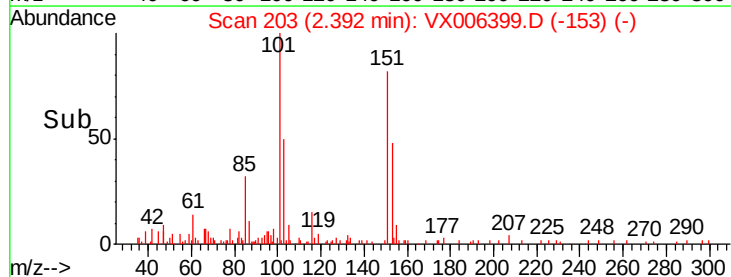
3000

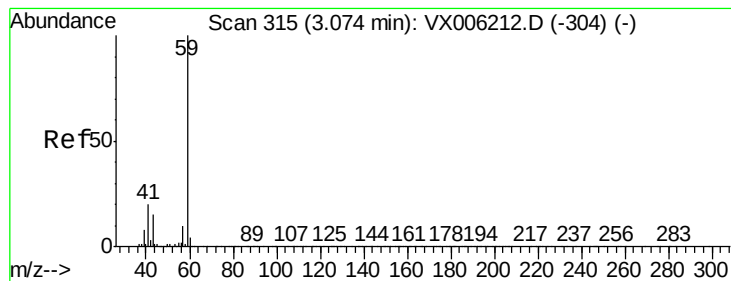
2000

1000

0

Time--> 2.30 2.40 2.50



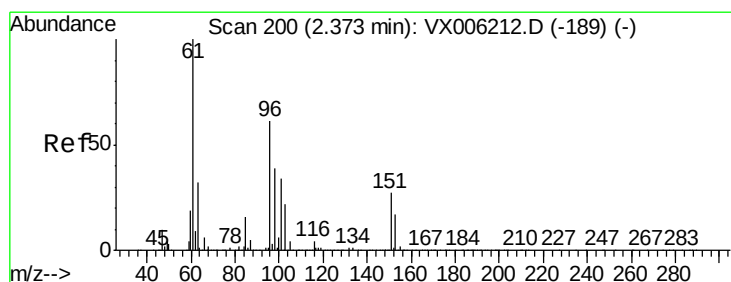
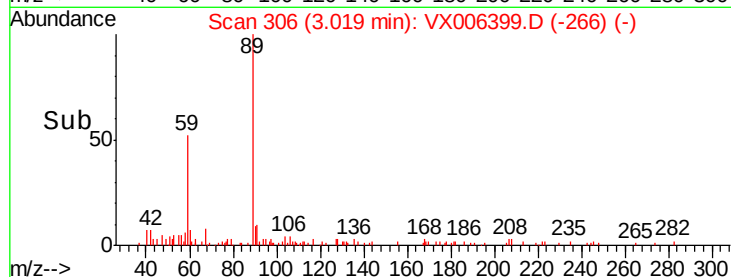
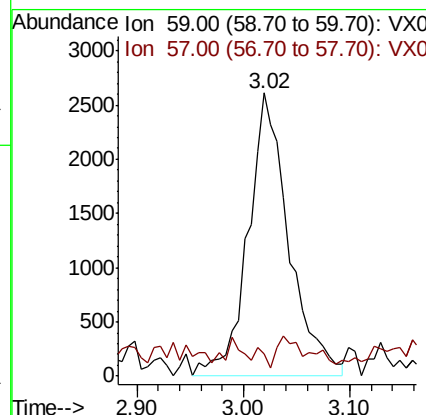
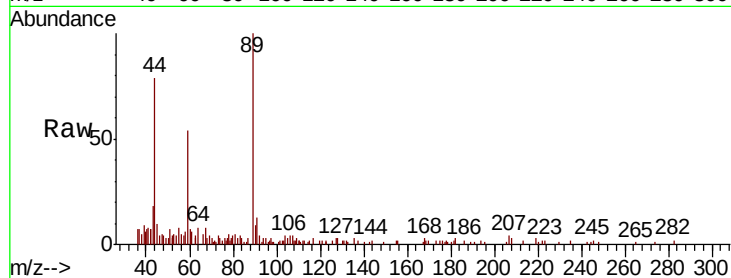


#11

Tert butyl alcohol
Concen: 3.652 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181206

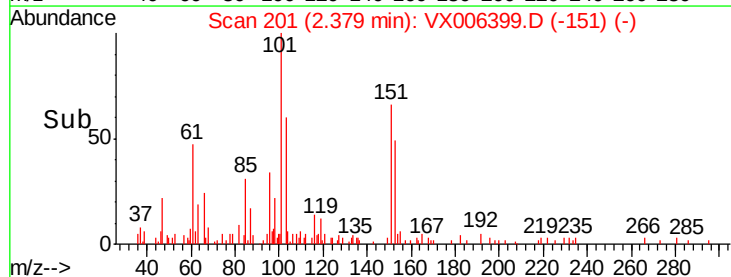
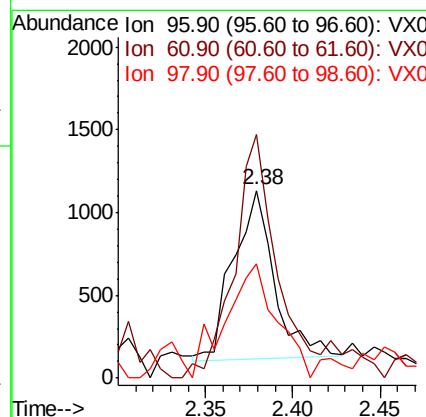
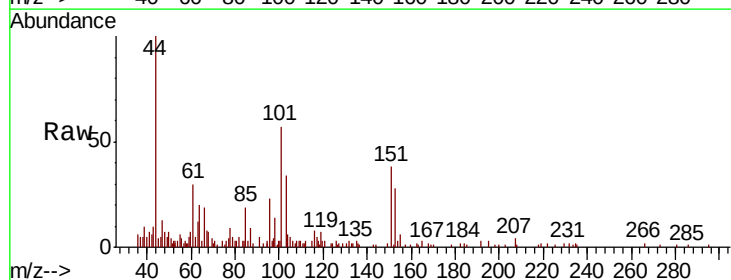
Tot Ion: 59 Resp: 7000
Ion Ratio Lower Upper
59 100
57 6.9 8.2 12.2#

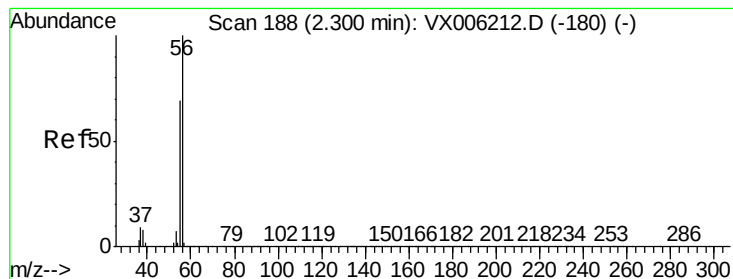


#12

1,1-Dichloroethene
Concen: 0.268 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Tgt Ion: 96 Resp: 1667
Ion Ratio Lower Upper
96 100
61 138.4 131.7 197.5
98 69.3 51.8 77.6





#13

Acrolein

Concen: 0.215 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

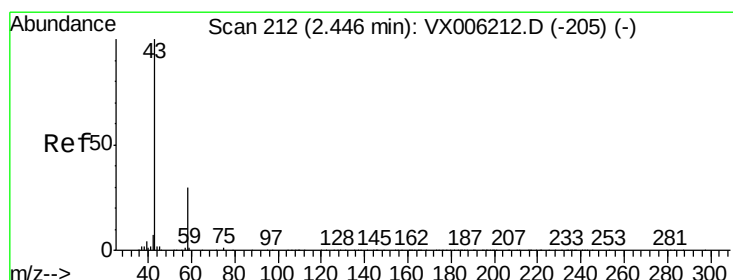
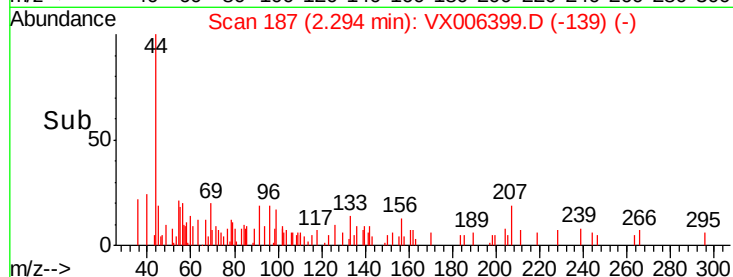
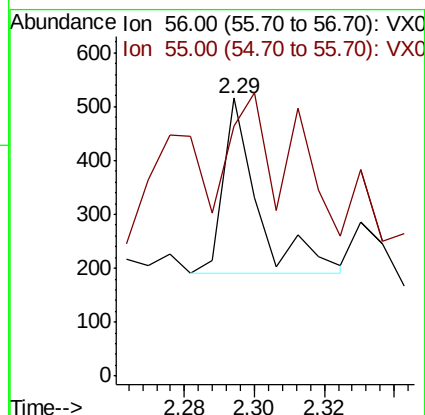
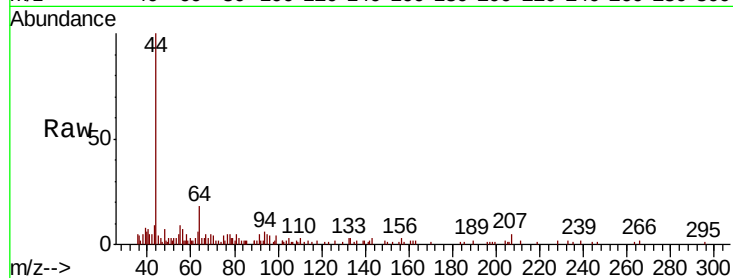
RE-109D2-20181206

Tot Ion: 56 Resp: 225

Ion Ratio Lower Upper

56 100

55 137.3 57.8 86.6#



#16

Acetone

Concen: 1.010 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006399.D

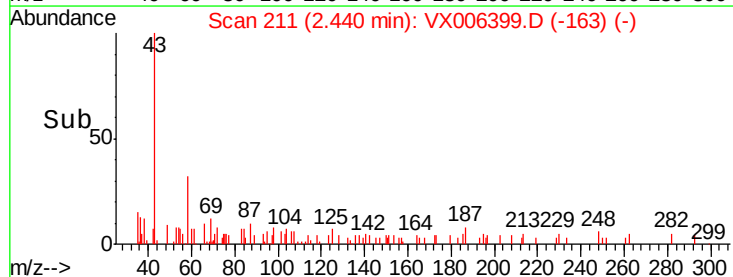
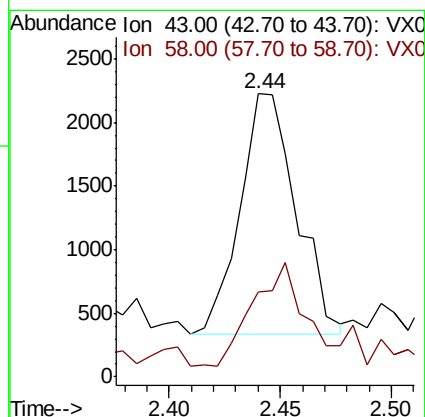
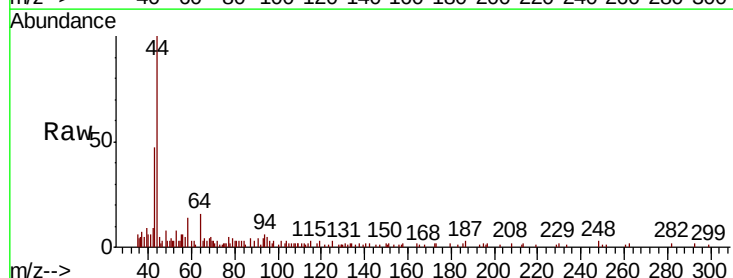
Acq: 11 Dec 2018 05:05

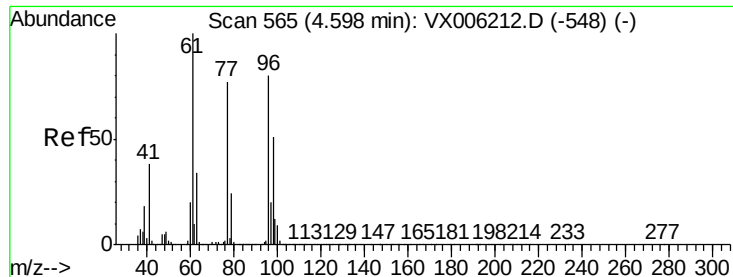
Tgt Ion: 43 Resp: 3323

Ion Ratio Lower Upper

43 100

58 30.9 24.0 36.0



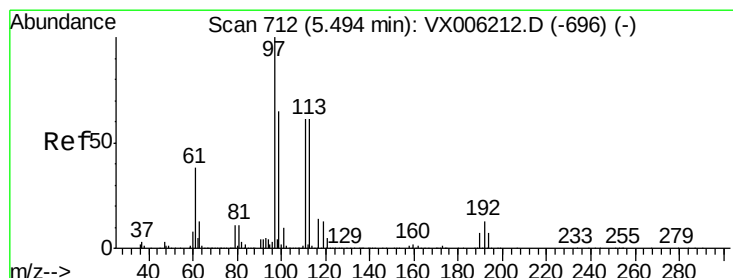
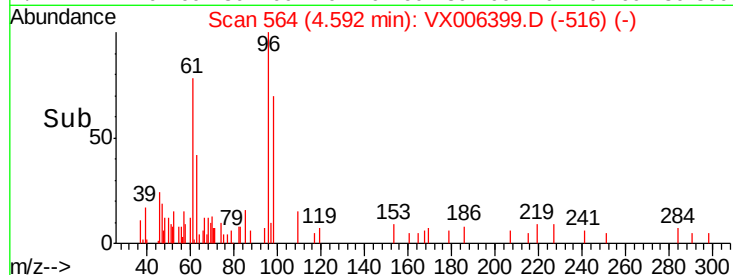
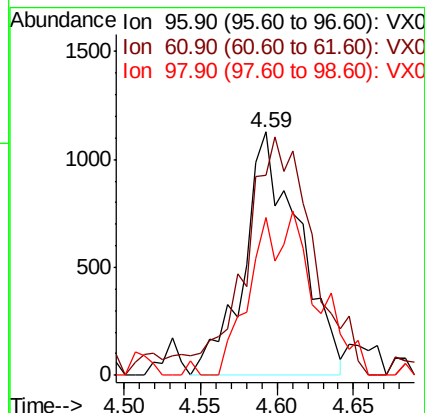
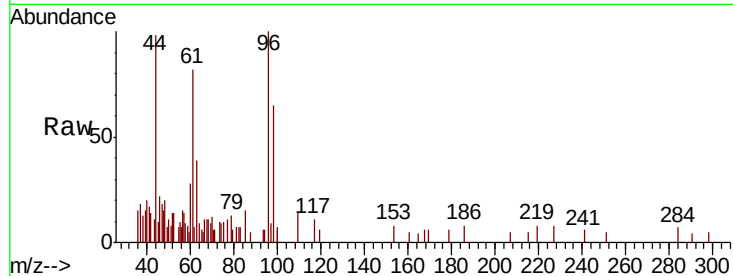


#27

cis-1,2-Dichloroethene
Concen: 0.381 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181206

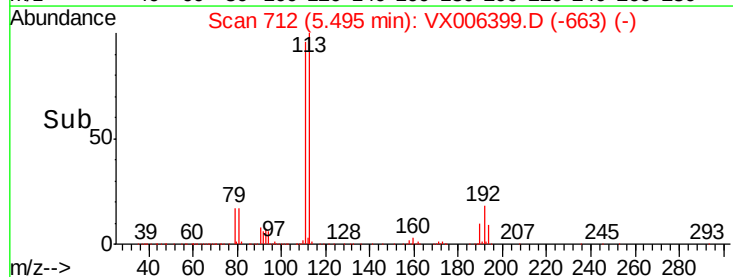
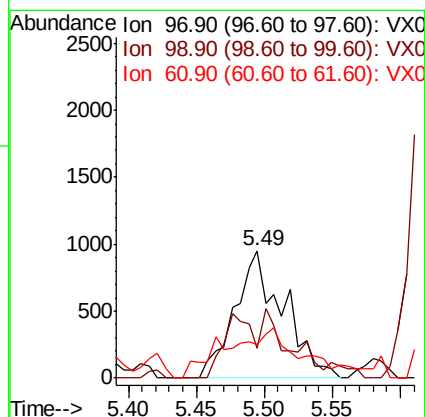
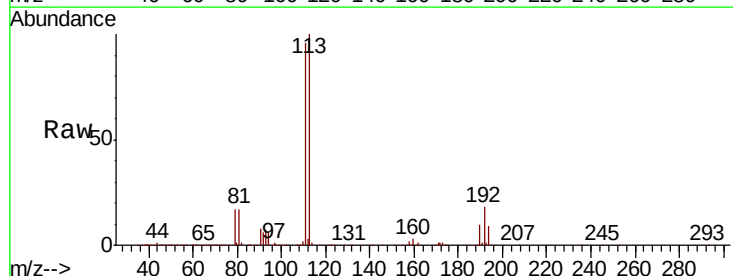
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.5	0.0	265.0
98	32.8	0.0	130.2

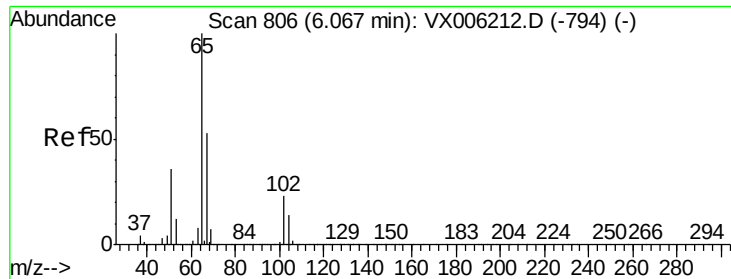


#32

1,1,1-Trichloroethane
Concen: 0.217 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	21.2	30.6	46.0#

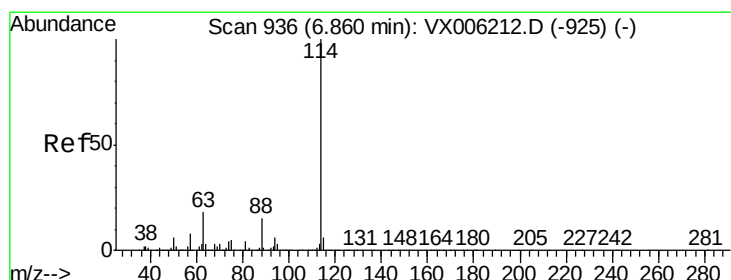
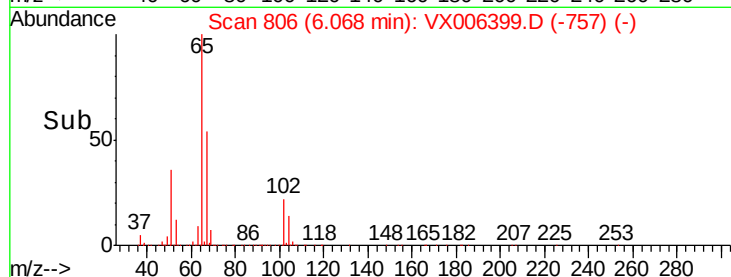
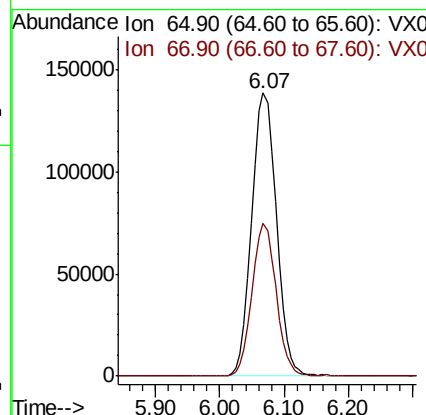
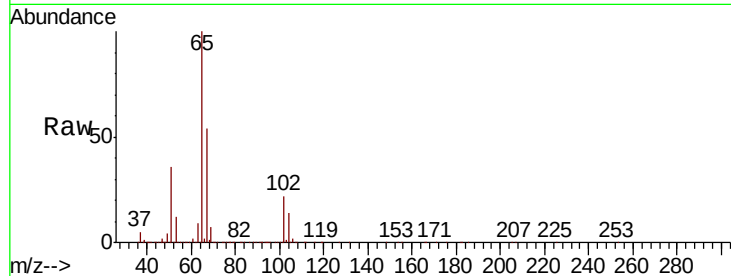




#33
 1,2-Dichloroethane-d4
 Concen: 52.027 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006399.D
 Acq: 11 Dec 2018 05:05

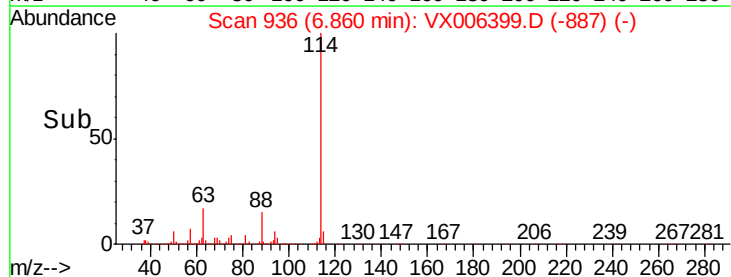
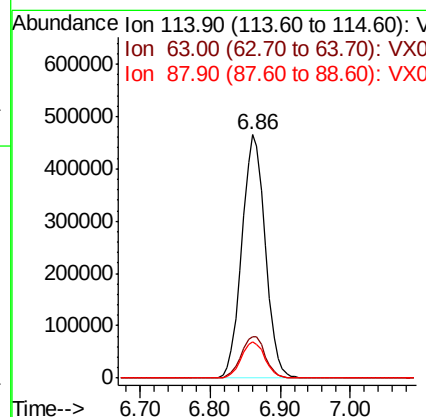
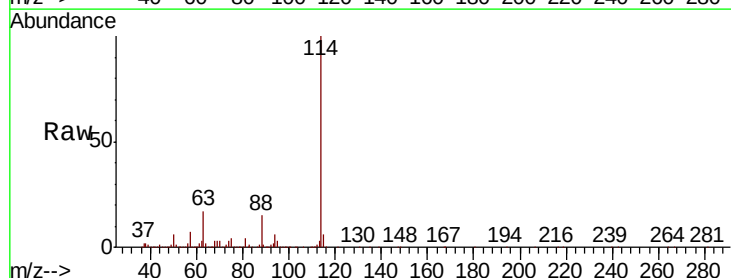
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181206

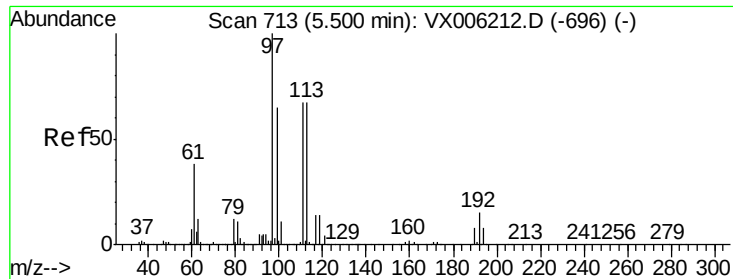
Tot Ion: 65 Resp: 364660
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006399.D
 Acq: 11 Dec 2018 05:05

Tgt Ion: 114 Resp: 1079797
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.6
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.580 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181206

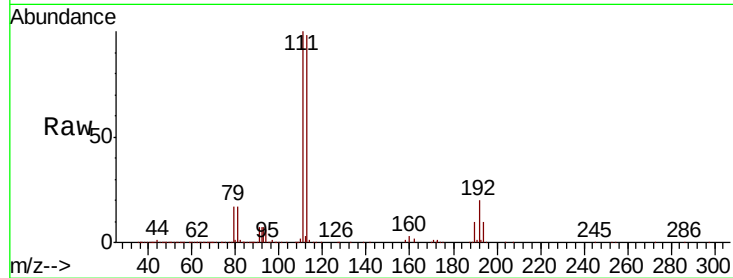
Tot Ion:113 Resp: 332642

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

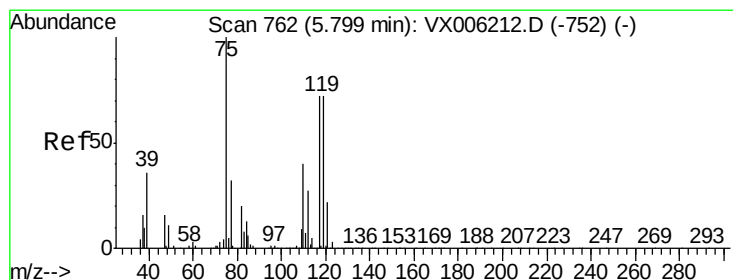
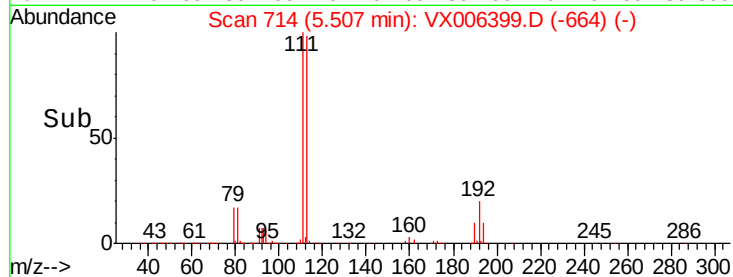
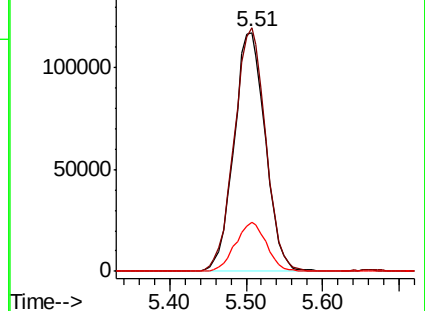
192 20.3 18.2 27.2



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



#36

1,1-Dichloropropene

Concen: 4.851 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

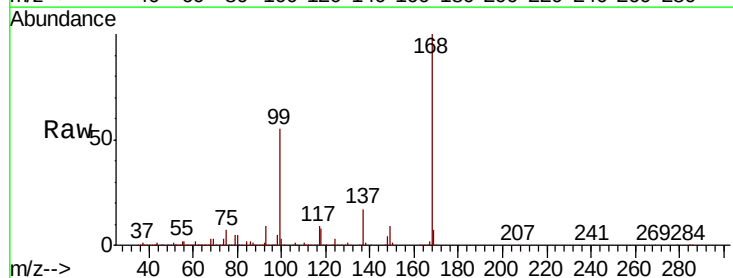
Tgt Ion: 75 Resp: 44114

Ion Ratio Lower Upper

75 100

110 10.7 20.4 61.3#

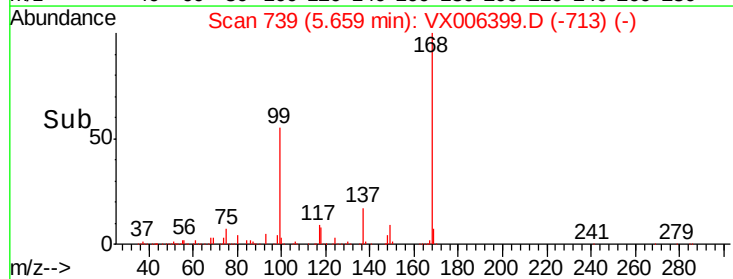
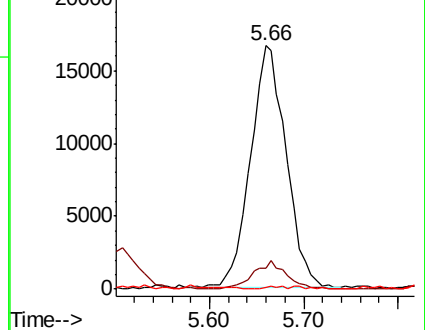
77 0.6 24.9 37.3#

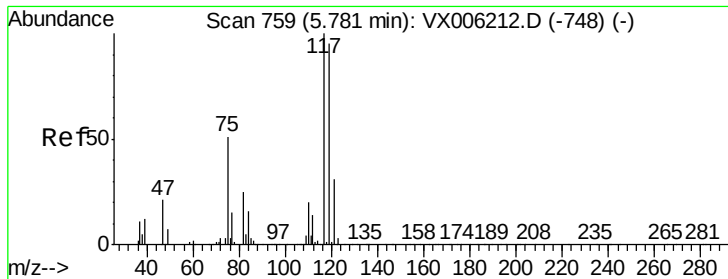


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 0.292 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181206

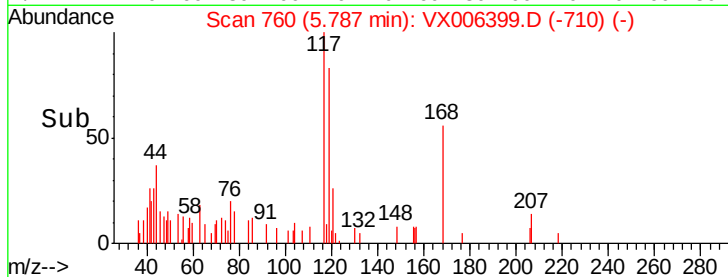
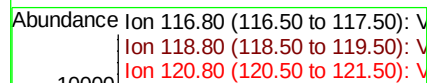
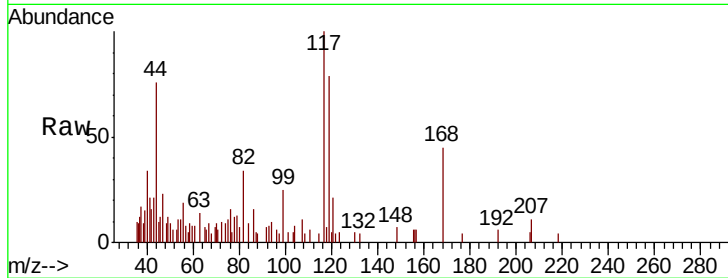
Tot Ion:117 Resp: 3126

Ion Ratio Lower Upper

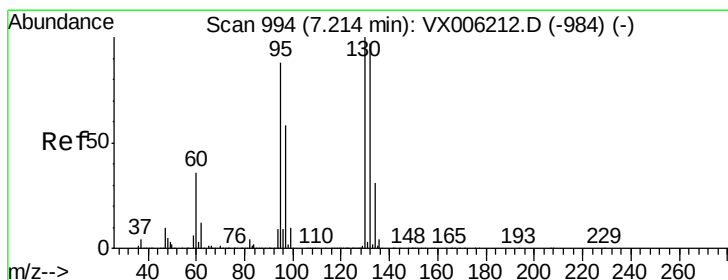
117 100

119 78.9 75.8 113.8

121 17.2 24.6 37.0#



Time-->



#44

Trichloroethene

Concen: 33.800 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006399.D

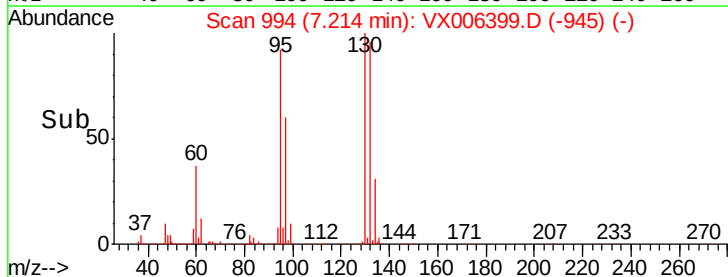
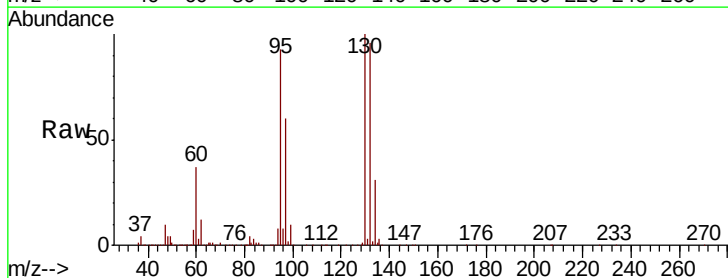
Acq: 11 Dec 2018 05:05

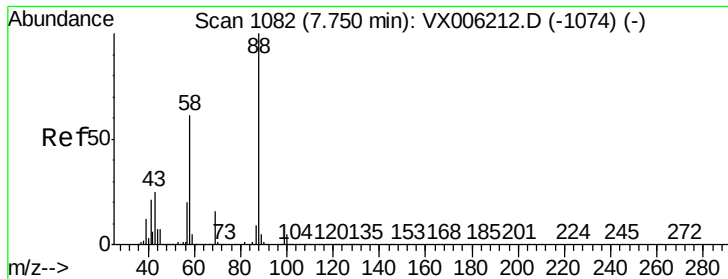
Tgt Ion:130 Resp: 278868

Ion Ratio Lower Upper

130 100

95 92.5 0.0 175.8





#49

1,4-Dioxane

Concen: 11.357 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181206

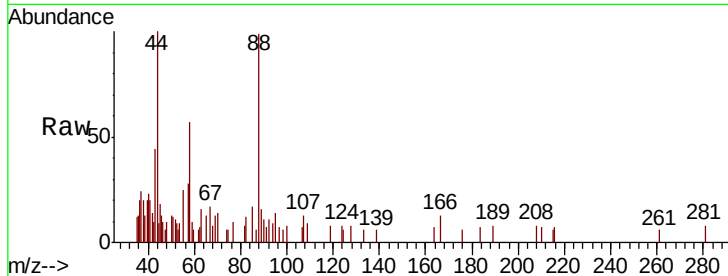
Tot Ion: 88 Resp: 2312

Ion Ratio Lower Upper

88 100

43 30.1 23.2 34.8

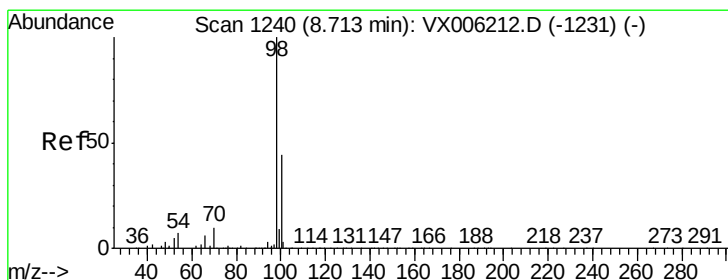
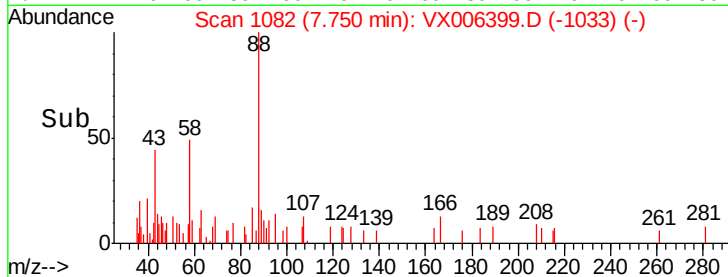
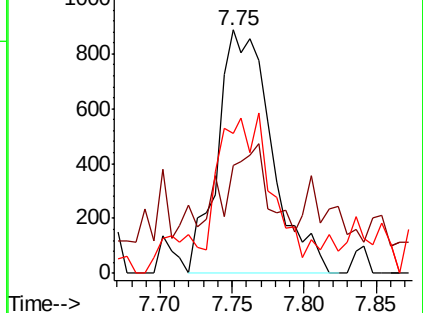
58 53.4 51.4 77.0



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



#50

Toluene-d8

Concen: 49.739 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006399.D

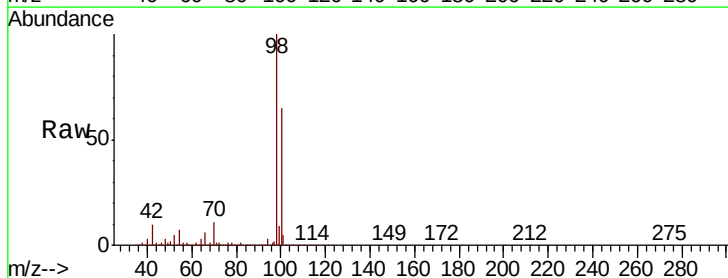
Acq: 11 Dec 2018 05:05

Tgt Ion: 98 Resp: 1264878

Ion Ratio Lower Upper

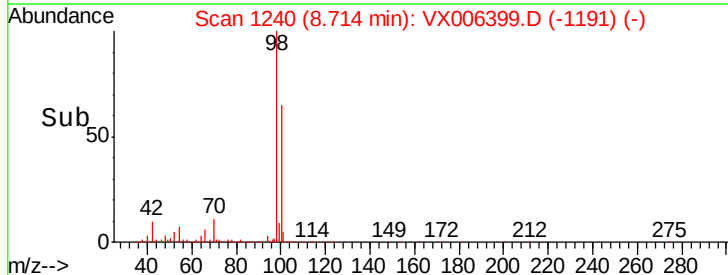
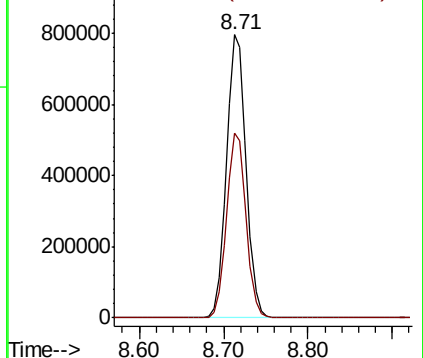
98 100

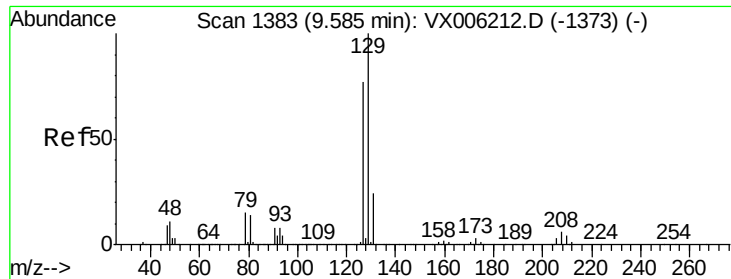
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.388 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

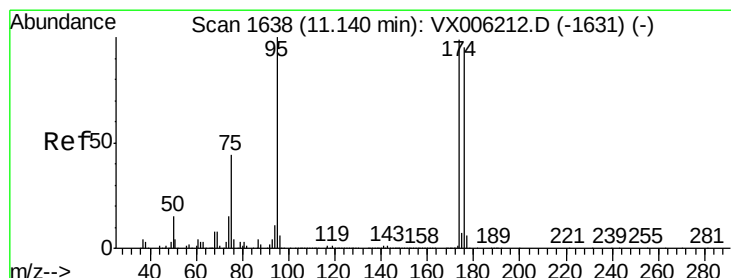
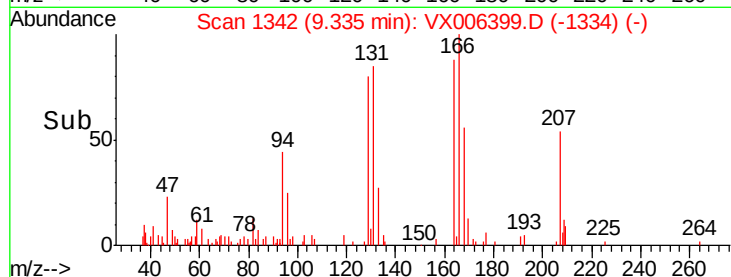
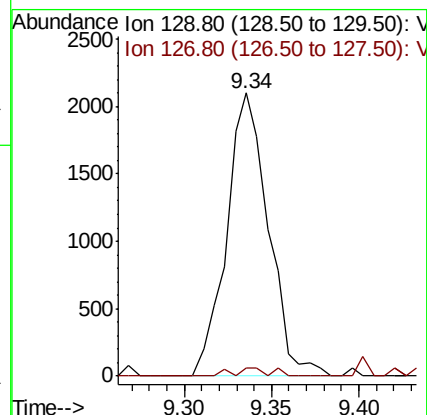
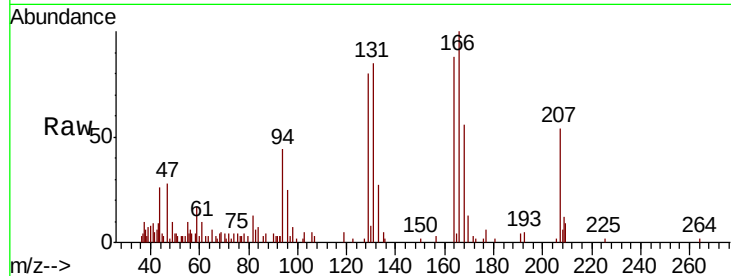
RE-109D2-20181206

Tot Ion:129 Resp: 3481

Ion Ratio Lower Upper

129 100

127 2.4 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 49.844 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

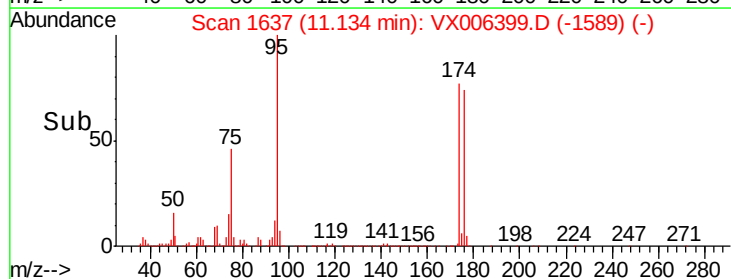
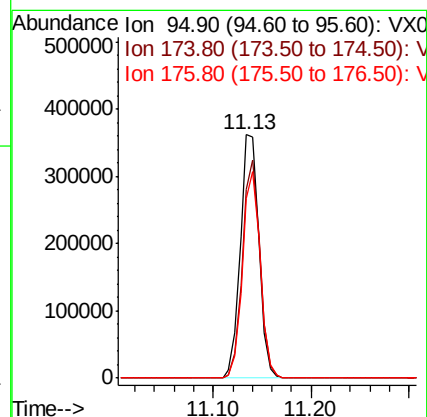
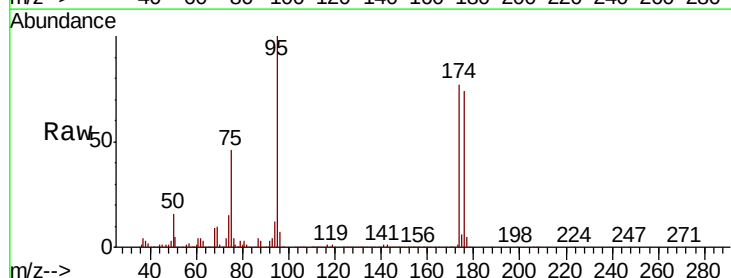
Tgt Ion: 95 Resp: 477644

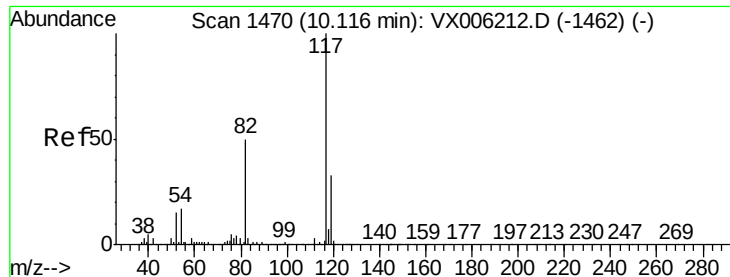
Ion Ratio Lower Upper

95 100

174 84.5 0.0 187.0

176 80.8 0.0 181.8

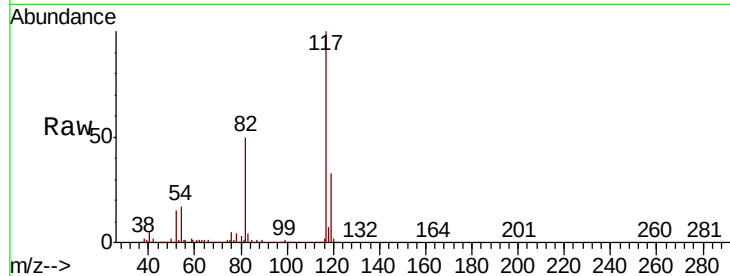




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181206

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	39.6	59.4
119	32.6	26.3	39.5

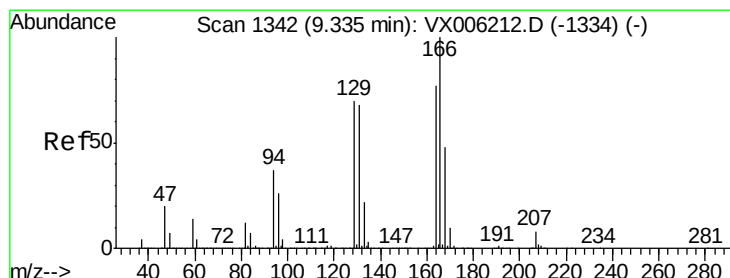
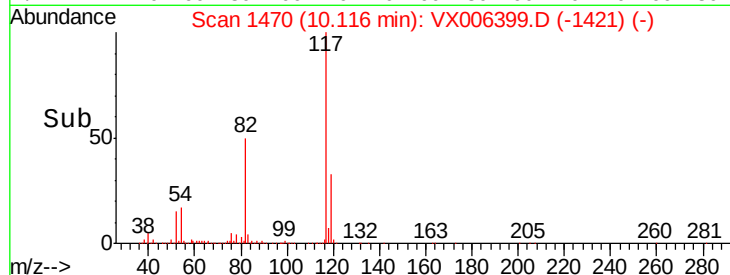
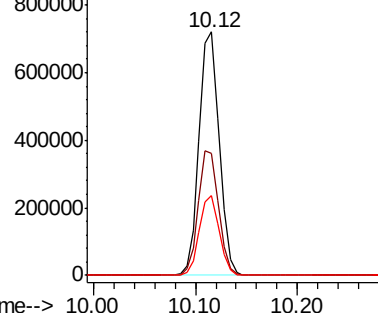


Abundance

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: 0.437 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.3	104.2	156.2
129	90.3	72.6	108.8
131	93.8	70.3	105.5

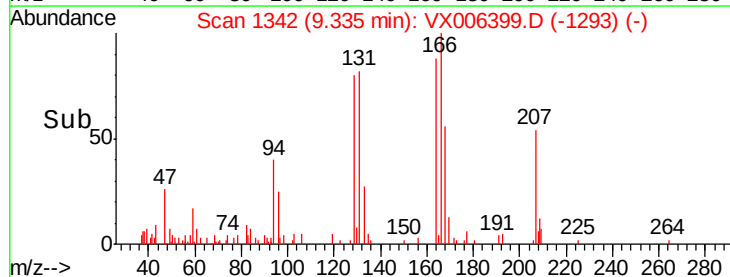
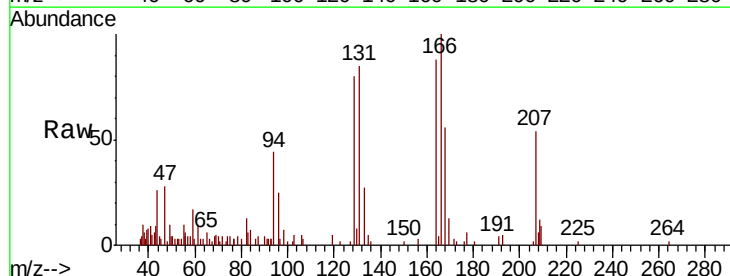
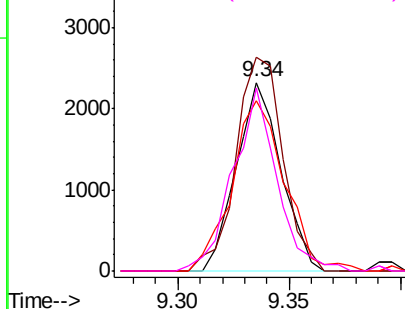
Abundance

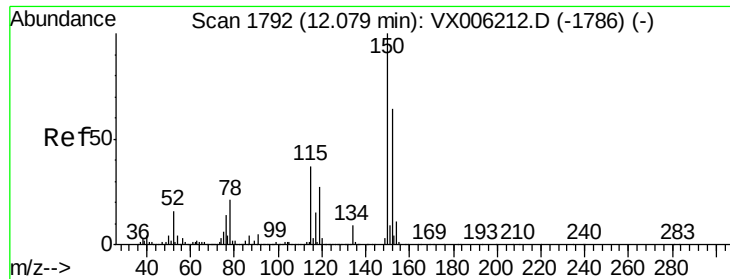
Ion 163.80 (163.50 to 164.50): V

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



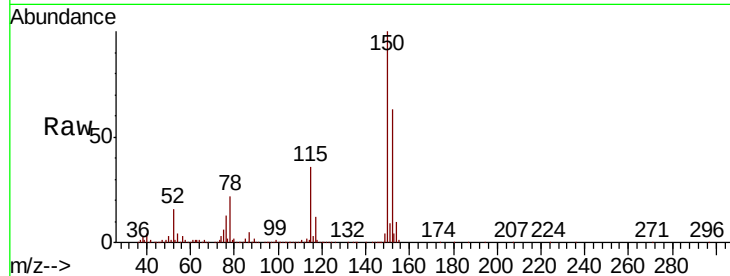


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181206

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.3	39.0	116.9
150	157.2	0.0	345.8

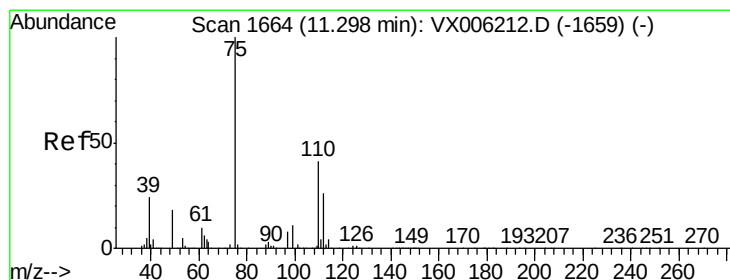
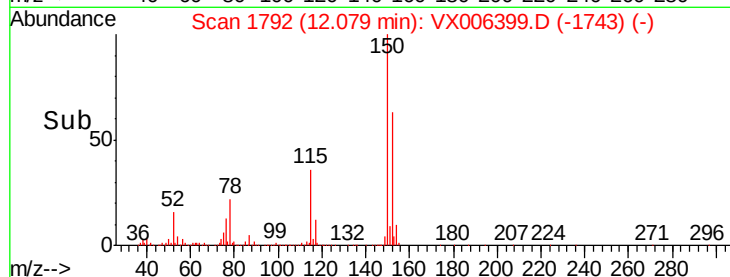
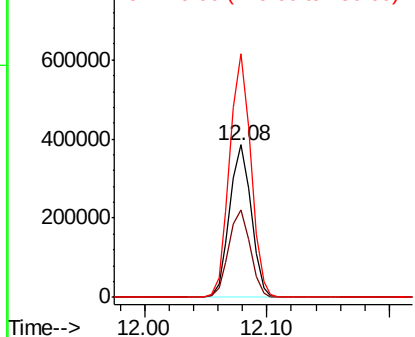


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

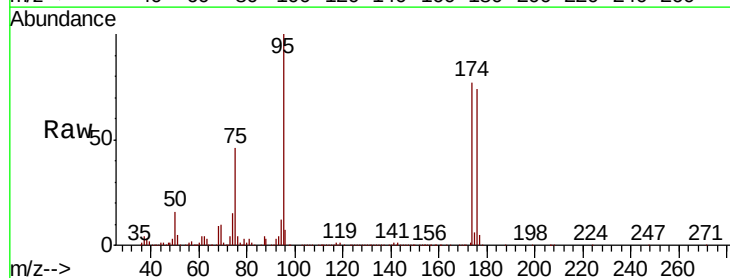
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 23.914 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006399.D
Acq: 11 Dec 2018 05:05

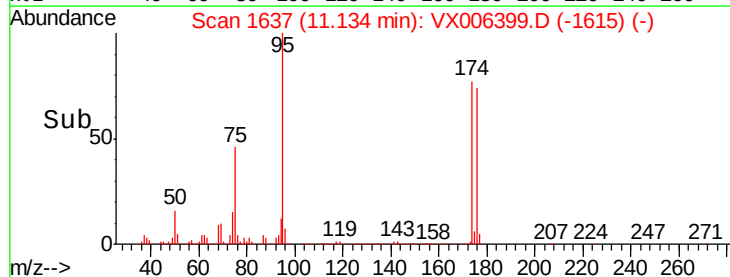
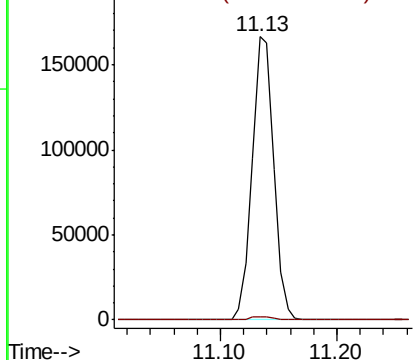
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.9	59.7

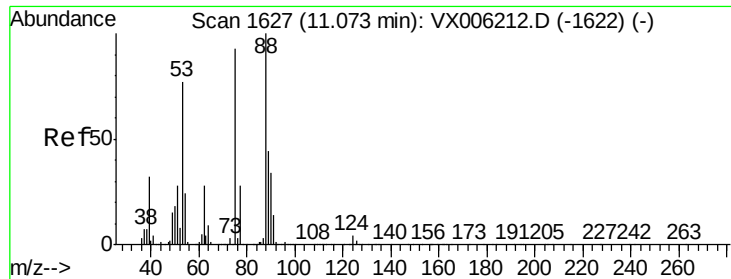


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.119 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006399.D

Acq: 11 Dec 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181206

Tot Ion: 75 Resp: 216125

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

