

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002034.D
 Acq On : 26 May 2018 22:06
 Operator : JC/MD
 Sample : J3118-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW738-180521

Quant Time: May 28 03:27:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

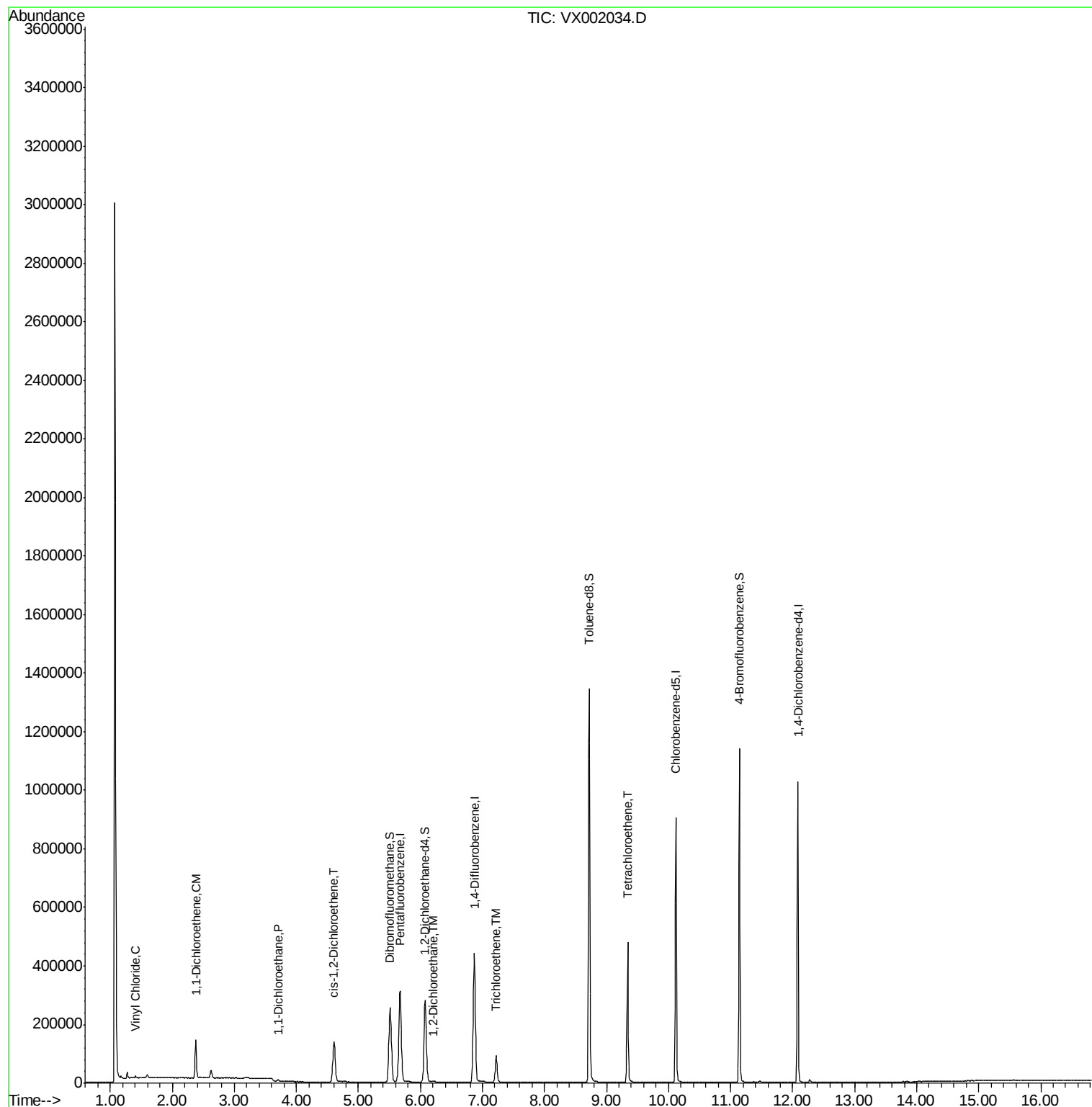
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	442380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215397	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	268031	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.51	113	207334	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	8.72	98	786928	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.14	95	278316	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
Target Compounds						
4) Vinyl Chloride	1.41	62	2244	0.48	ug/l	Qvalue # 88
12) 1,1-Dichloroethene	2.38	96	41275	11.21	ug/l	97
24) 1,1-Dichloroethane	3.70	63	5472	0.73	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	83996	17.49	ug/l	85
42) 1,2-Dichloroethane	6.21	62	3375	0.47	ug/l	78
44) Trichloroethene	7.22	130	34086	6.49	ug/l	95
64) Tetrachloroethene	9.34	164	95102	16.79	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

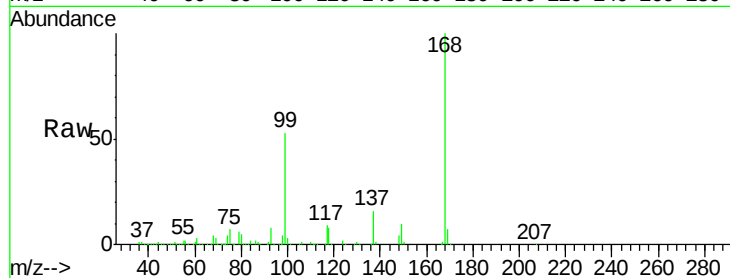
SS052MW738-180521

Tot Ion:168 Resp: 315912

Ion Ratio Lower Upper

168 100

99 52.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

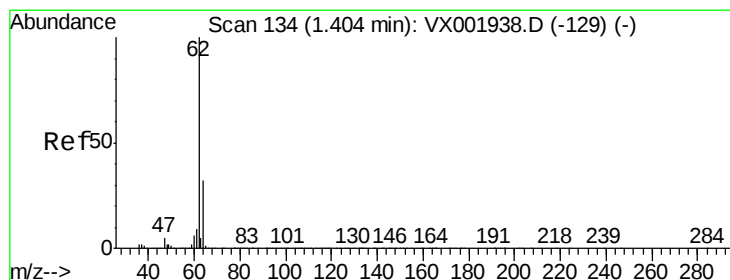
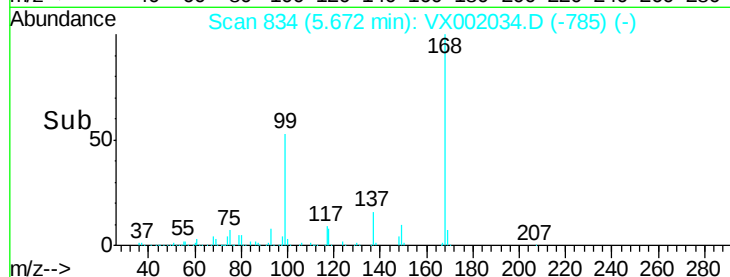
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.48 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002034.D

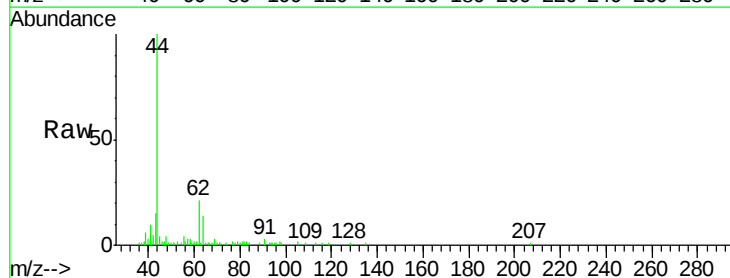
Acq: 26 May 2018 22:06

Tgt Ion: 62 Resp: 2244

Ion Ratio Lower Upper

62 100

64 38.2 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

2000

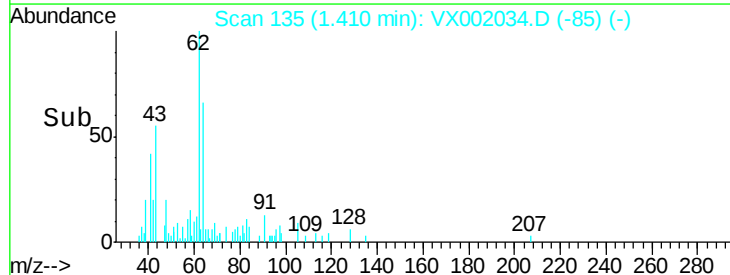
1500

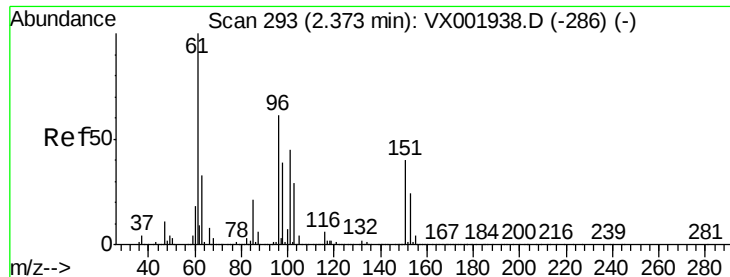
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 11.21 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-180521

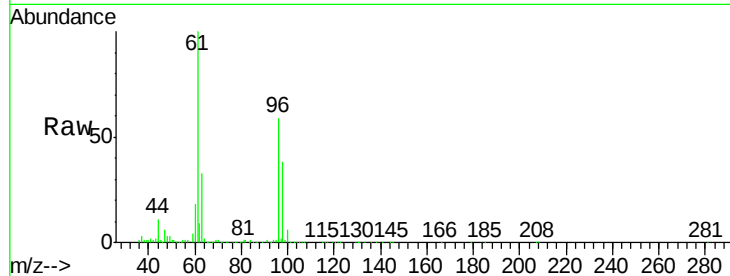
Tot Ion: 96 Resp: 41275

Ion Ratio Lower Upper

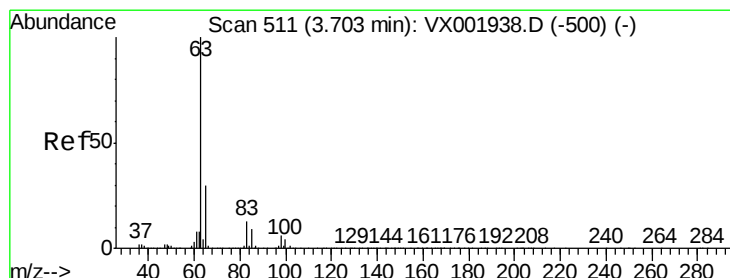
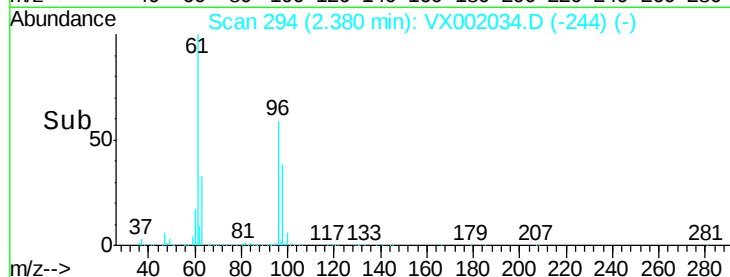
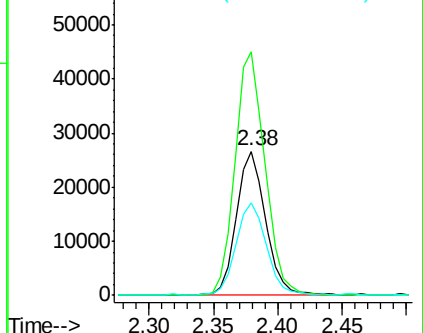
96 100

61 169.5 131.7 197.5

98 63.9 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: 0.73 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

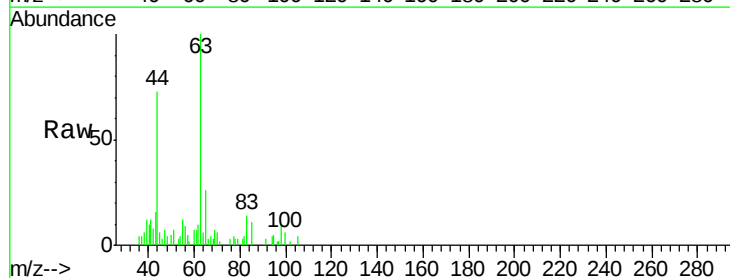
Tgt Ion: 63 Resp: 5472

Ion Ratio Lower Upper

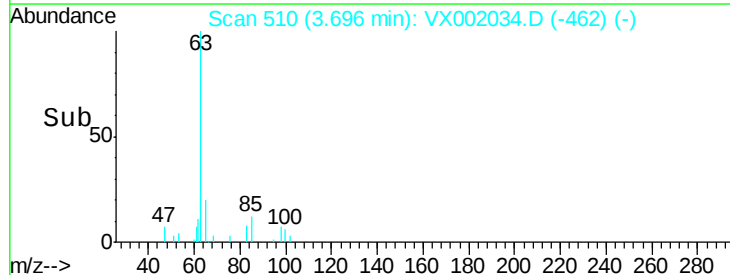
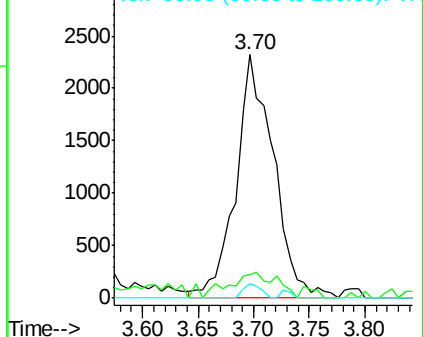
63 100

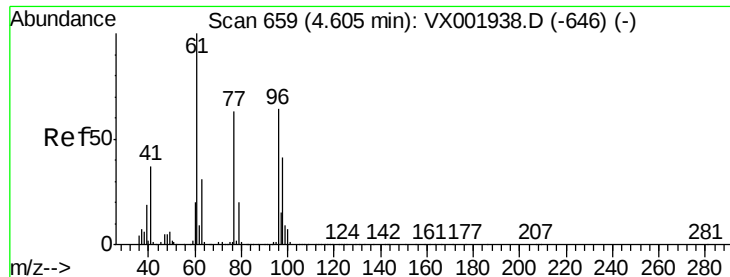
98 9.6 3.3 9.8

100 5.9 2.1 6.5



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: 17.49 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-180521

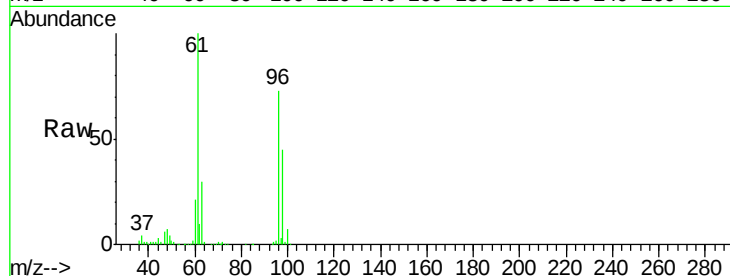
Tot Ion: 96 Resp: 83996

Ion Ratio Lower Upper

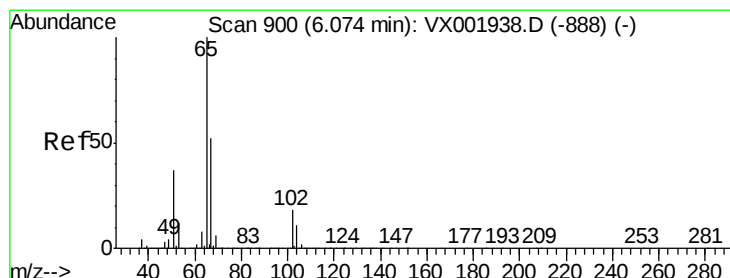
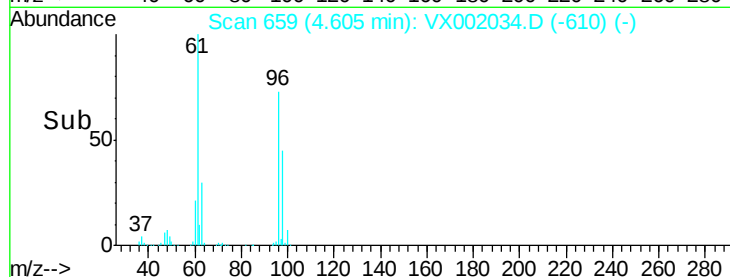
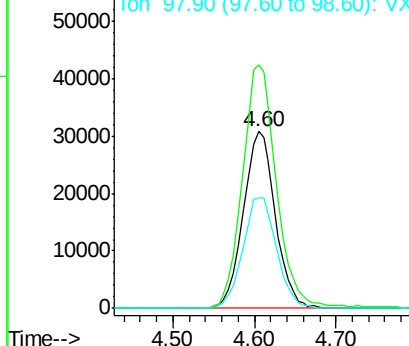
96 100

61 146.0 0.0 348.4

98 66.0 0.0 128.6



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



#33

1,2-Dichloroethane-d4

Concen: 47.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002034.D

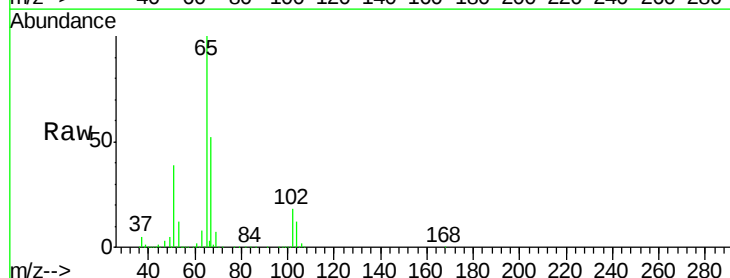
Acq: 26 May 2018 22:06

Tgt Ion: 65 Resp: 268031

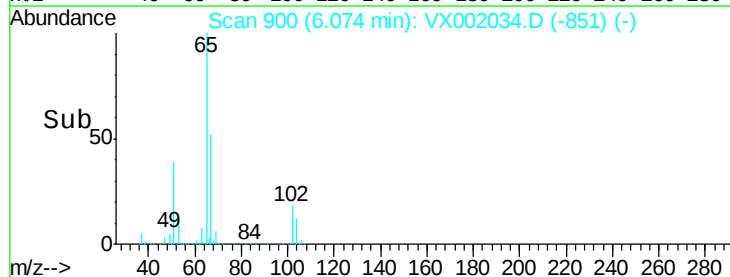
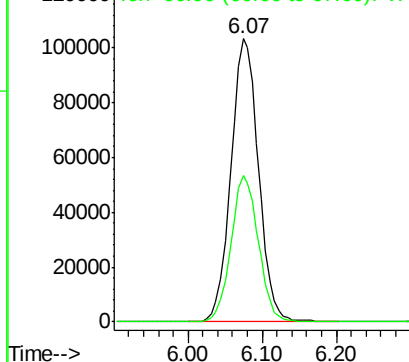
Ion Ratio Lower Upper

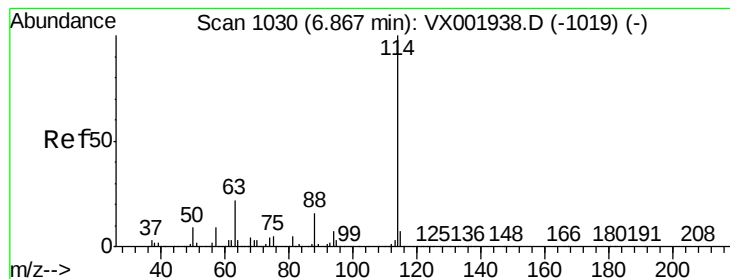
65 100

67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-180521

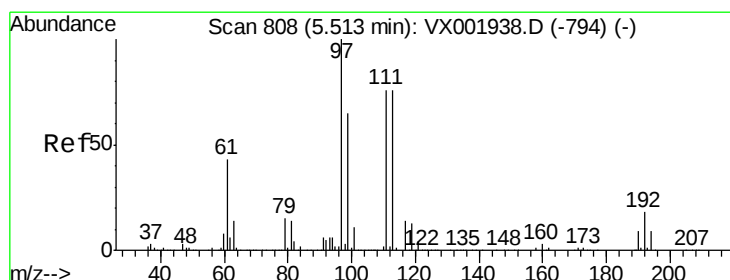
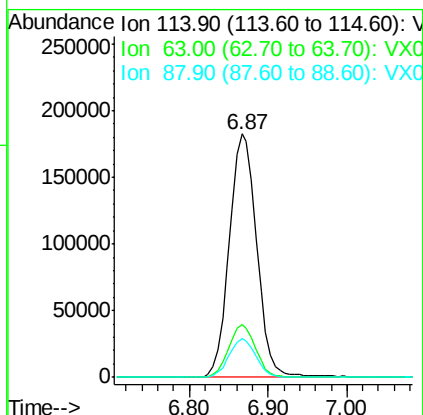
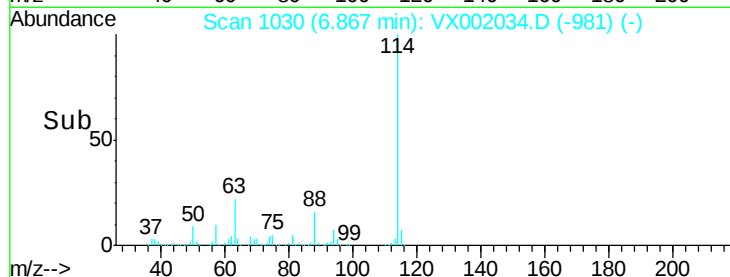
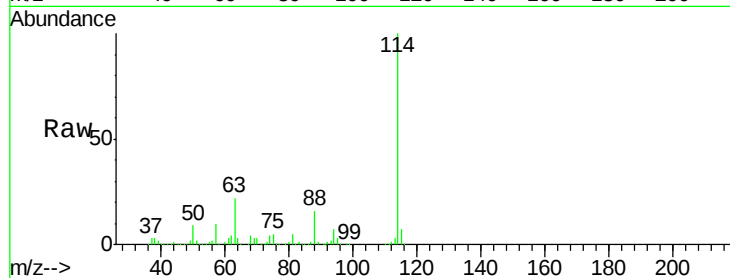
Tot Ion:114 Resp: 442380

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 15.7 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.87 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

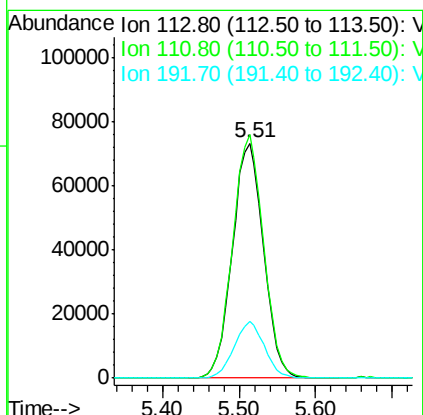
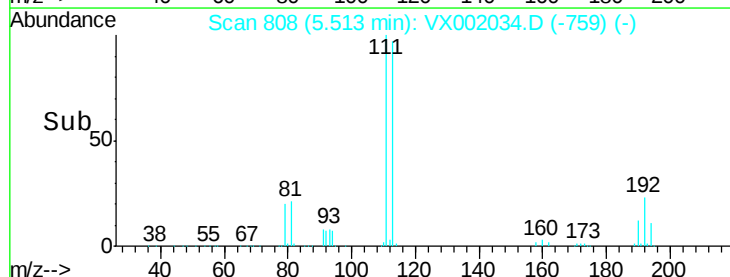
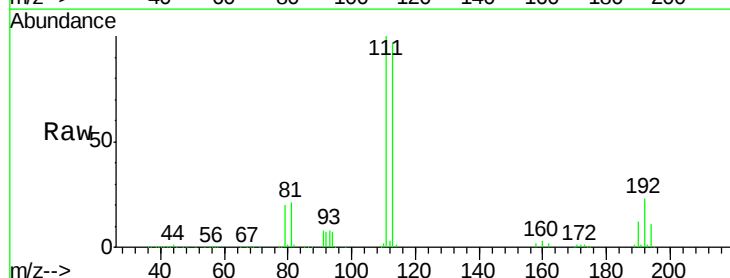
Tgt Ion:113 Resp: 207334

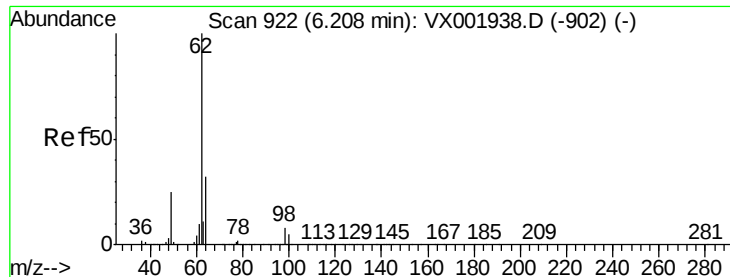
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 23.4 18.9 28.3





#42

1,2-Dichloroethane

Concen: 0.47 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

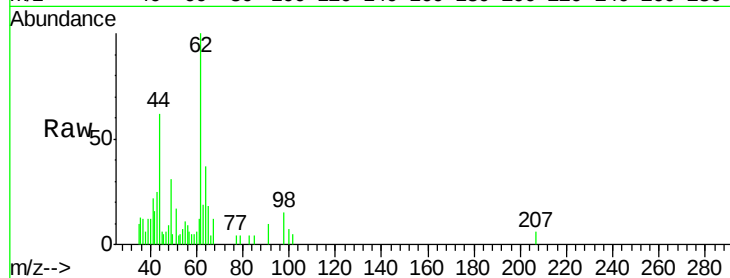
SS052MW738-180521

Tot Ion: 62 Resp: 3375

Ion Ratio Lower Upper

62 100

98 16.4 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.21

1500

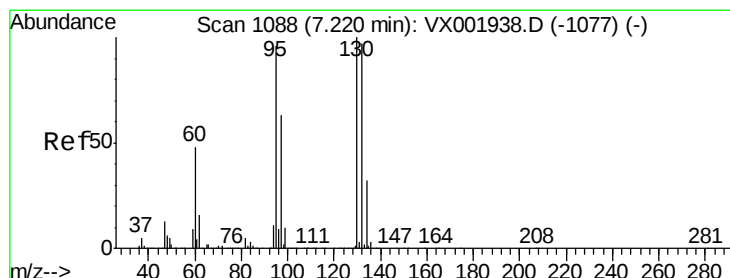
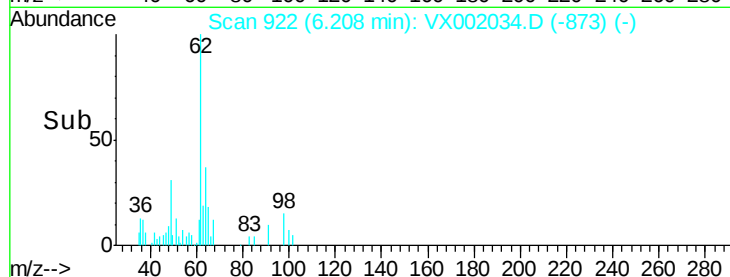
1000

500

0

Time-->

6.10 6.15 6.20 6.25 6.30



#44

Trichloroethene

Concen: 6.49 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002034.D

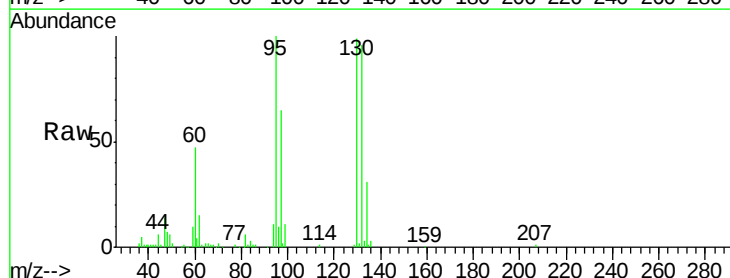
Acq: 26 May 2018 22:06

Tgt Ion:130 Resp: 34086

Ion Ratio Lower Upper

130 100

95 101.1 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

15000

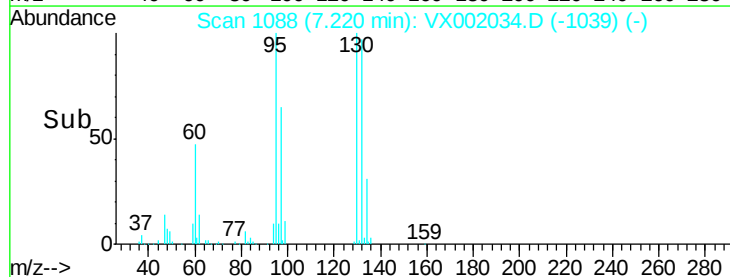
10000

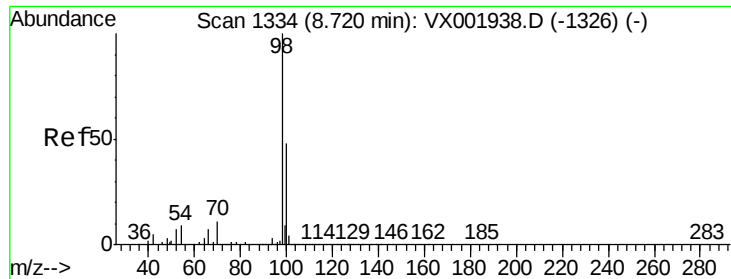
5000

0

Time-->

7.10 7.20 7.30 7.40





#50

Toluene-d8

Concen: 49.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

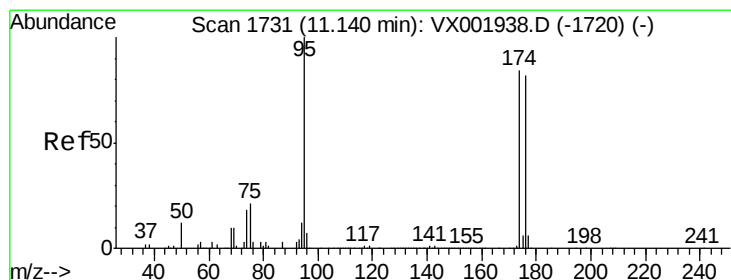
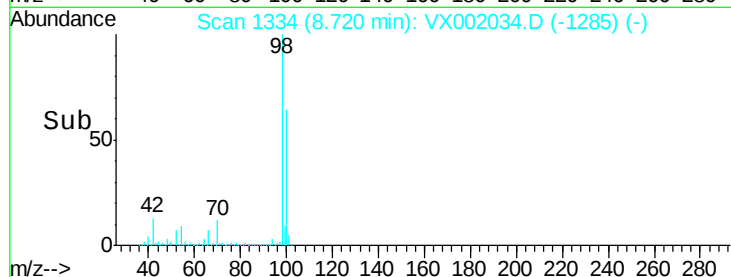
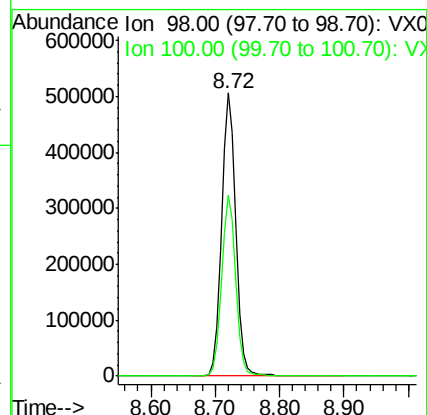
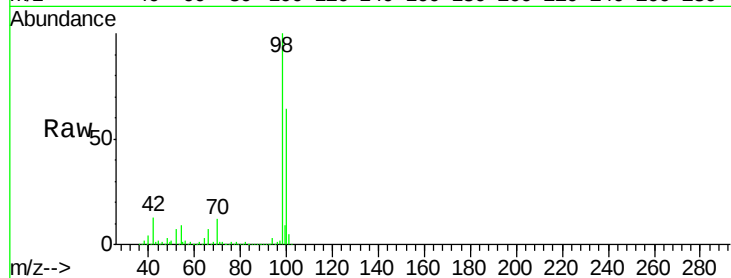
SS052MW738-180521

Tot Ion: 98 Resp: 786928

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 44.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

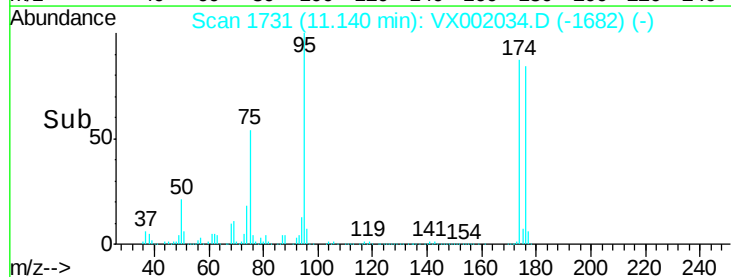
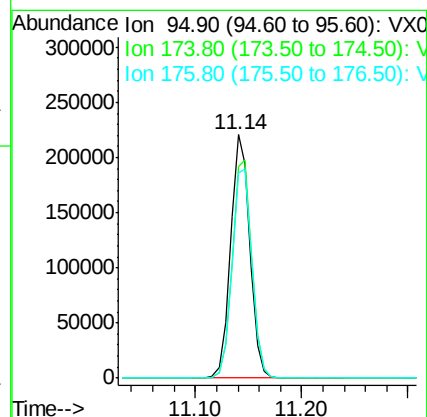
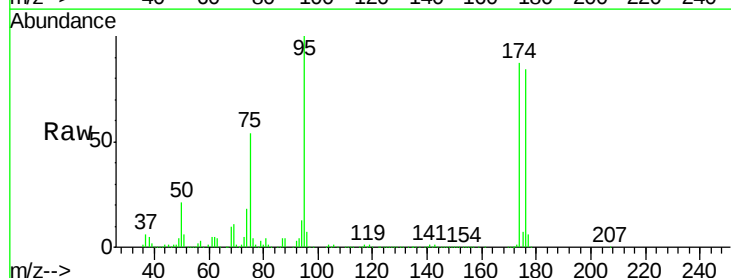
Tgt Ion: 95 Resp: 278316

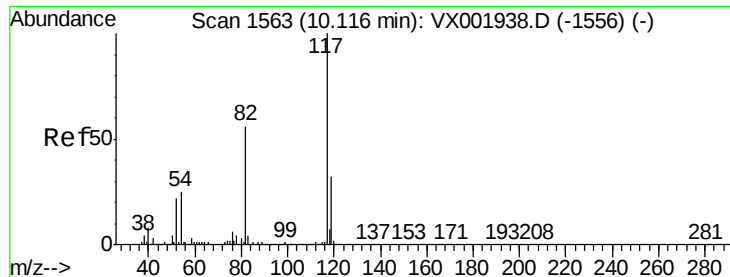
Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.8

176 89.1 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

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ClientSampleId :

SS052MW738-180521

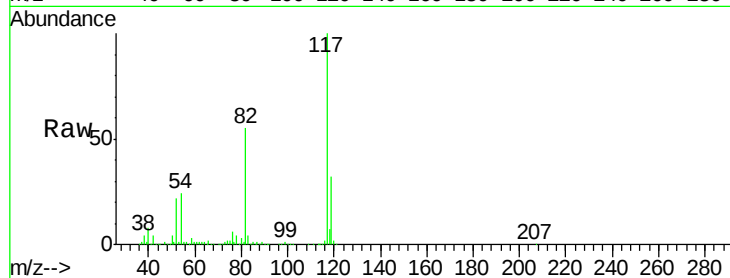
Tot Ion:117 Resp: 395090

Ion Ratio Lower Upper

117 100

82 55.3 44.8 67.2

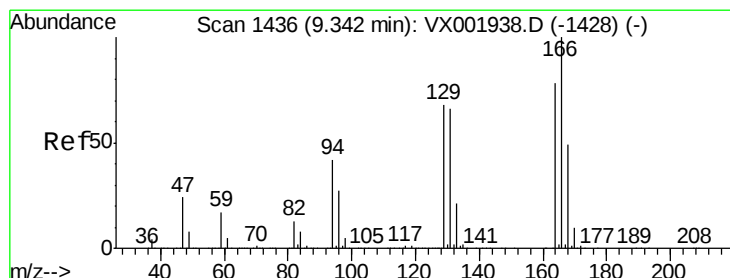
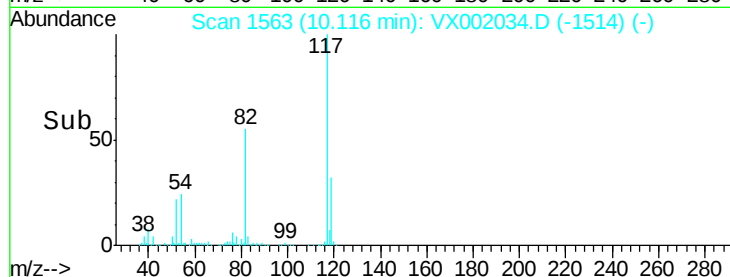
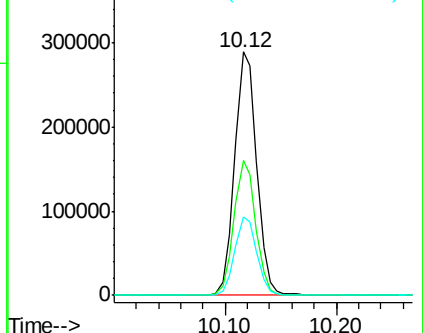
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 16.79 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Tgt Ion:164 Resp: 95102

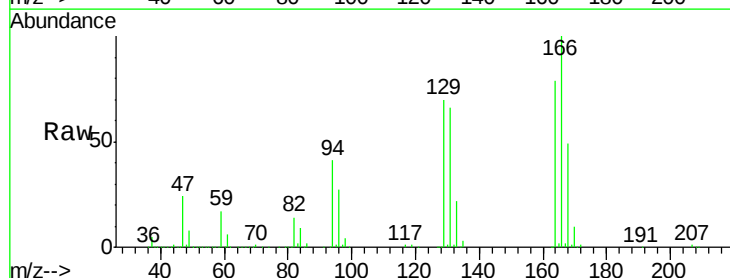
Ion Ratio Lower Upper

164 100

166 127.0 102.7 154.1

129 88.3 70.3 105.5

131 83.9 68.2 102.4

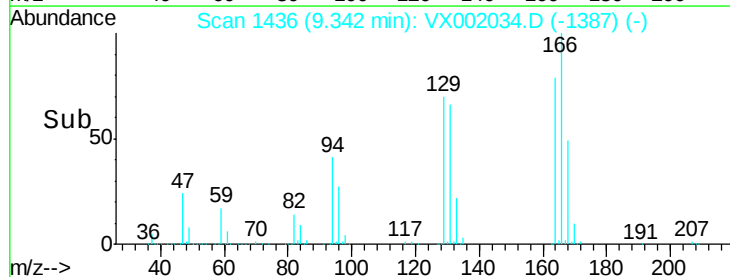
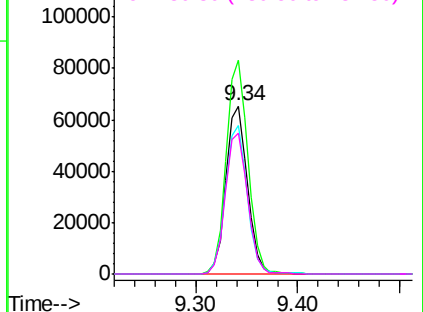


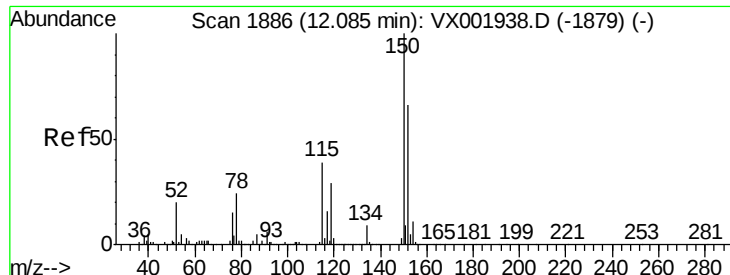
Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002034.D

Acq: 26 May 2018 22:06

Instrument :

MSVOA_X

ClientSampleId :

SS052MW738-180521

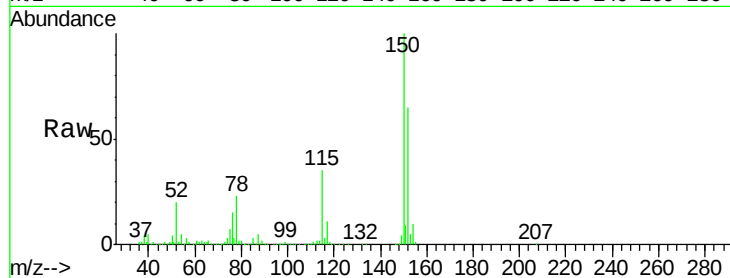
Tot Ion:152 Resp: 215397

Ion Ratio Lower Upper

152 100

115 55.1 42.3 126.8

150 154.7 0.0 351.0



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

