

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005122.D
 Acq On : 08 Oct 2018 12:54
 Operator : JC/MD
 Sample : J5189-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-131D1-20180927

Quant Time: Oct 09 12:49:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168542	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	146962	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
35) Dibromofluoromethane	5.50	113	124200	47.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	446991	51.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	158880	51.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.46%	

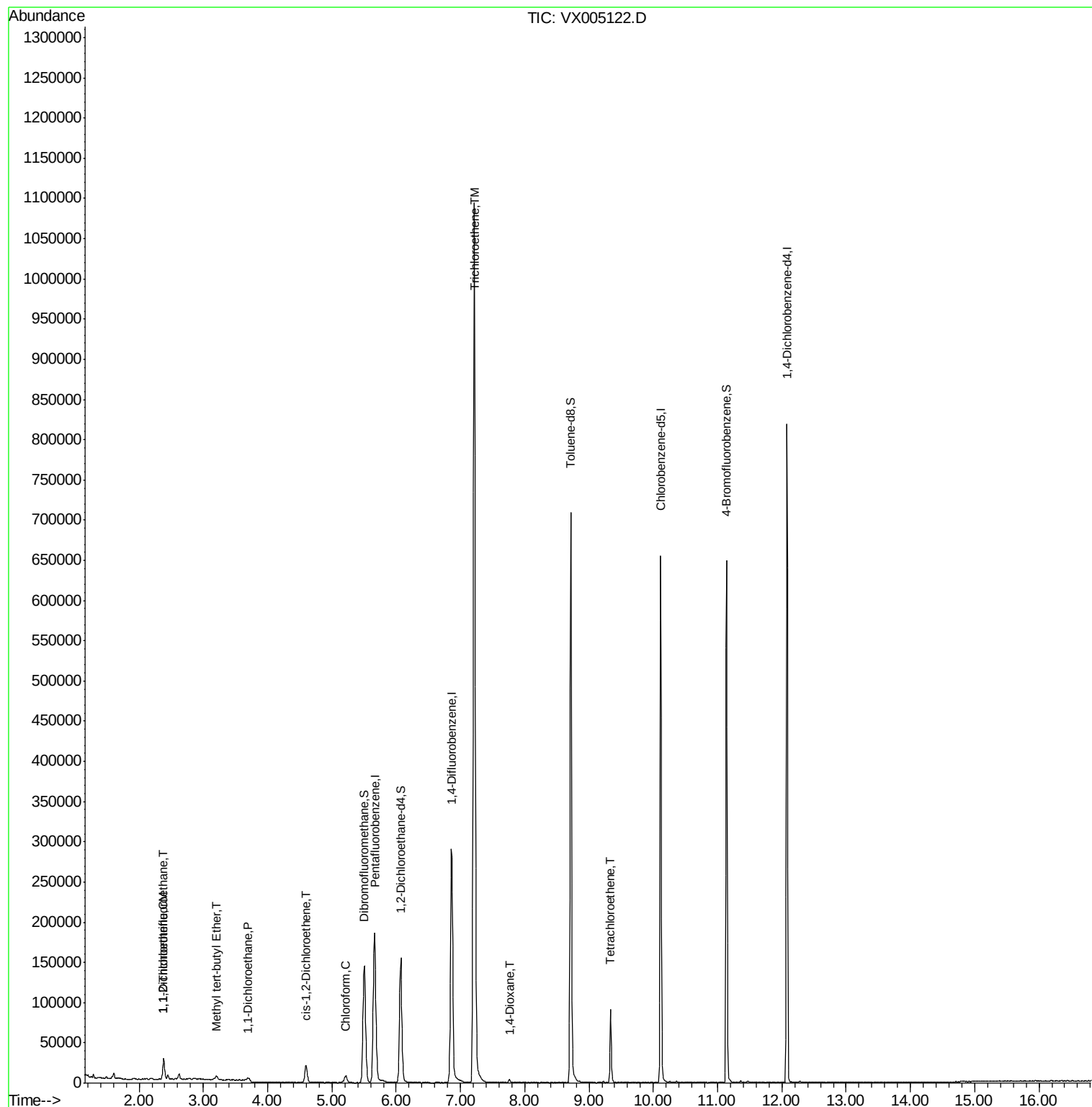
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	8564	4.10	ug/l	99
12) 1,1-Dichloroethene	2.37	96	2024	0.98	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	5059	0.71	ug/l	98
24) 1,1-Dichloroethane	3.69	63	2765	0.61	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	13847	5.47	ug/l	93
30) Chloroform	5.21	83	9701	2.26	ug/l	91
44) Trichloroethene	7.21	130	444235	163.39	ug/l	97
49) 1,4-Dioxane	7.76	88	2144	28.09	ug/l #	83
64) Tetrachloroethene	9.34	164	18820	6.35	ug/l	95

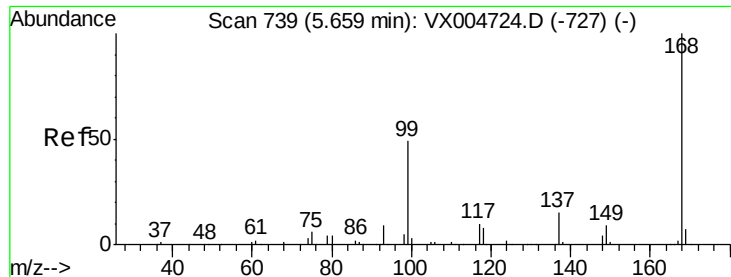
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

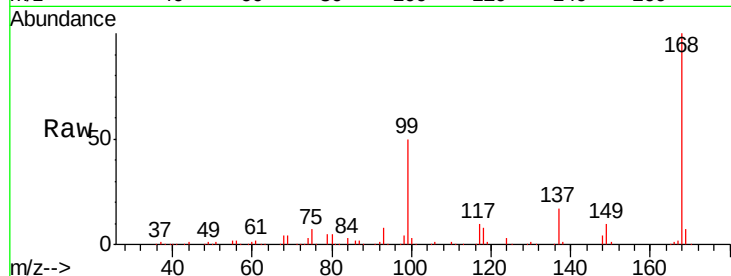
RE-131D1-20180927

Tgt Ion:168 Resp: 191069

Ion Ratio Lower Upper

168 100

99 50.4 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

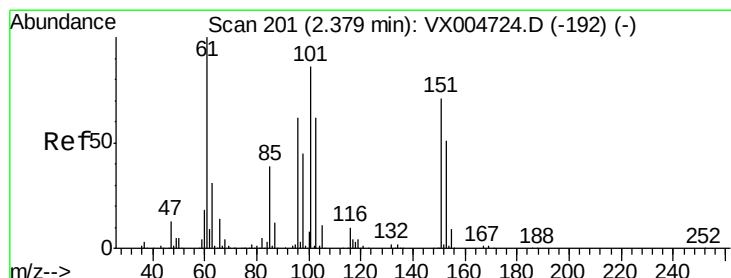
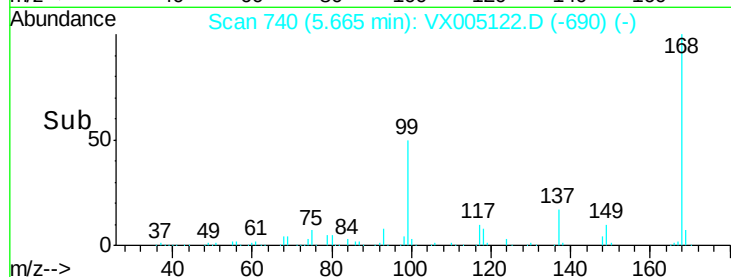
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.10 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

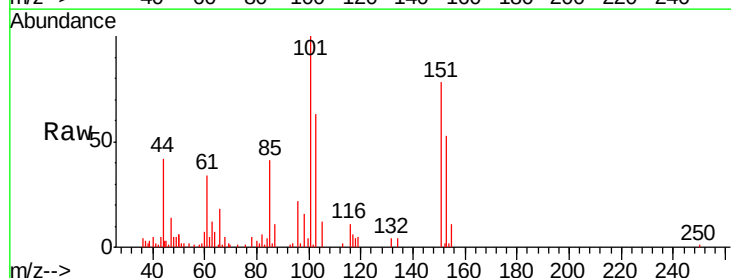
Tgt Ion:101 Resp: 8564

Ion Ratio Lower Upper

101 100

85 45.5 35.9 53.9

151 82.7 66.6 100.0



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

6000

5000

4000

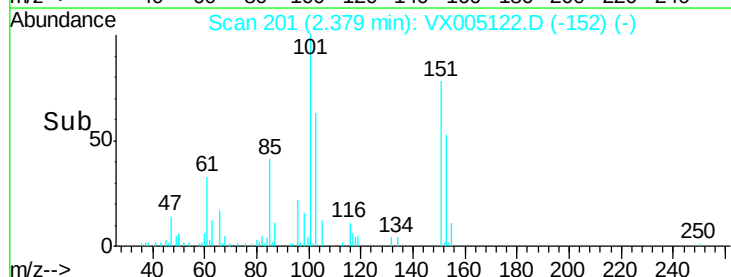
3000

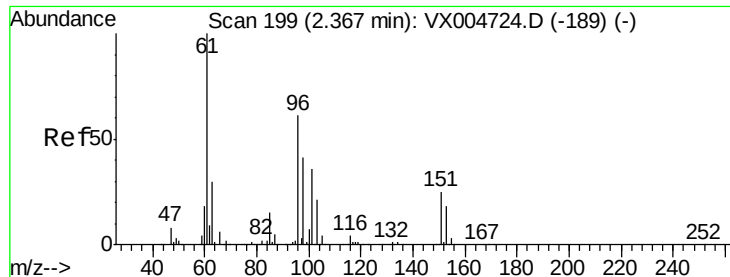
2000

1000

0

Time--> 2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 0.98 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE-131D1-20180927

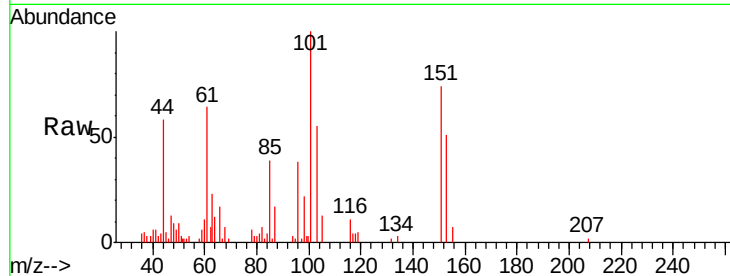
Tgt Ion: 96 Resp: 2024

Ion Ratio Lower Upper

96 100

61 168.1 130.2 195.4

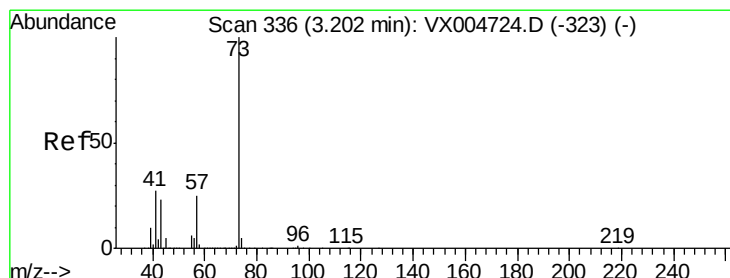
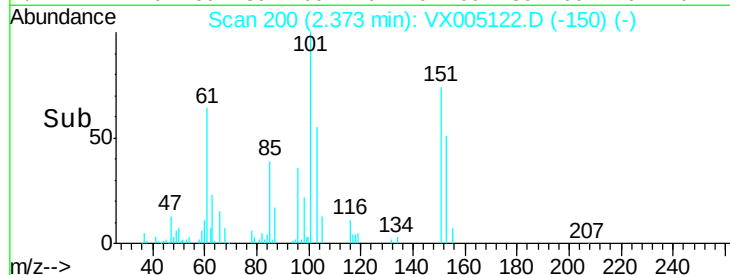
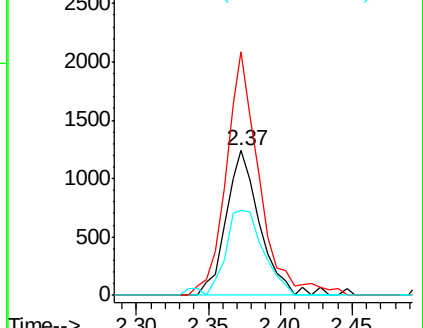
98 58.9 53.4 80.0



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



#19

Methyl tert-butyl Ether

Concen: 0.71 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX005122.D

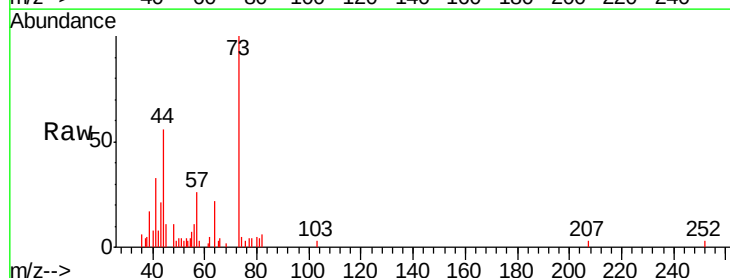
Acq: 08 Oct 2018 12:54

Tgt Ion: 73 Resp: 5059

Ion Ratio Lower Upper

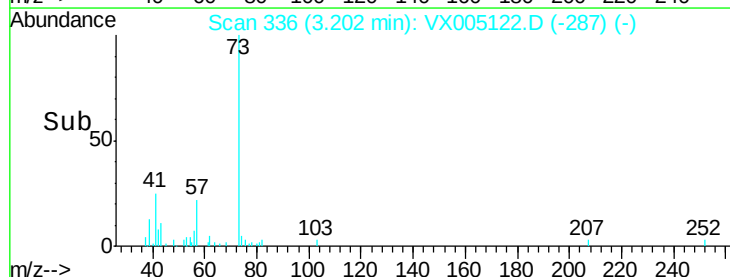
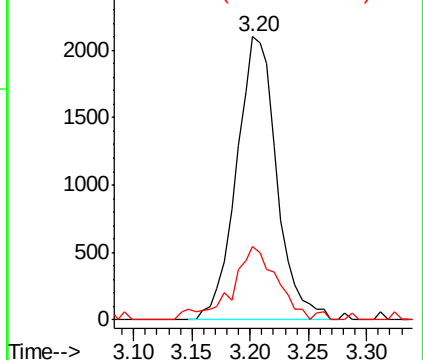
73 100

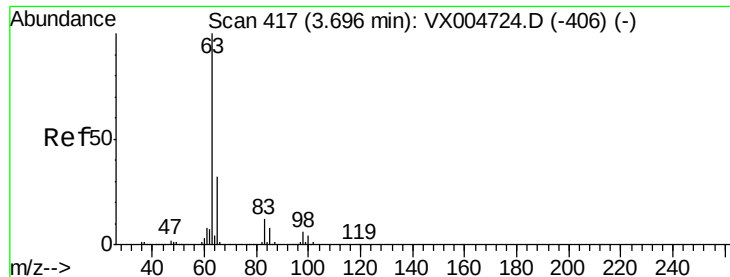
57 25.8 19.9 29.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#24

1,1-Dichloroethane

Concen: 0.61 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE-131D1-20180927

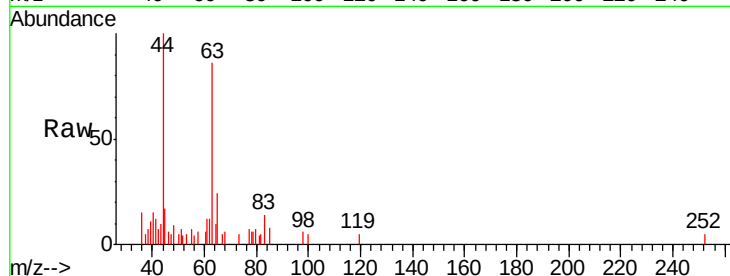
Tgt Ion: 63 Resp: 2765

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

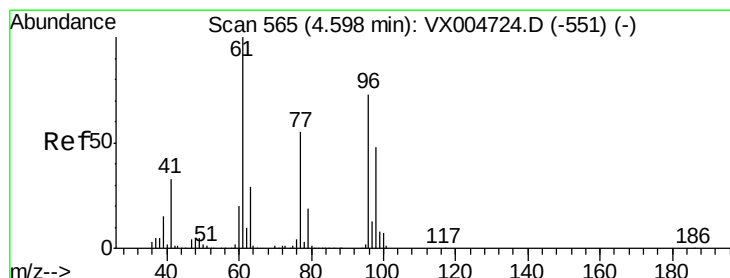
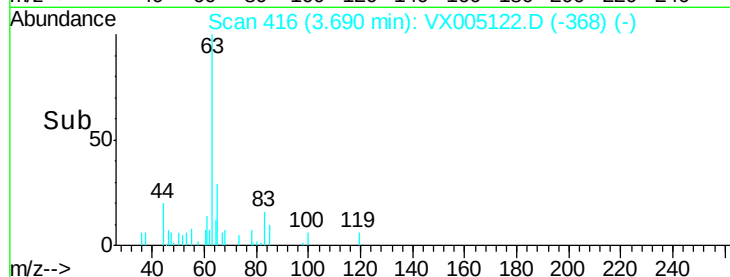
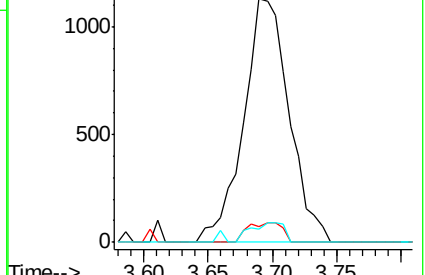
100 5.7 2.0 5.8



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: 5.47 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

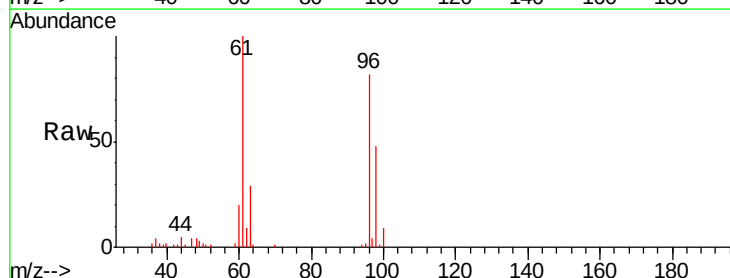
Tgt Ion: 96 Resp: 13847

Ion Ratio Lower Upper

96 100

61 135.0 0.0 285.8

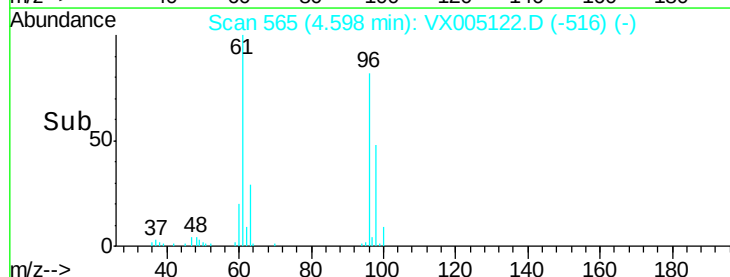
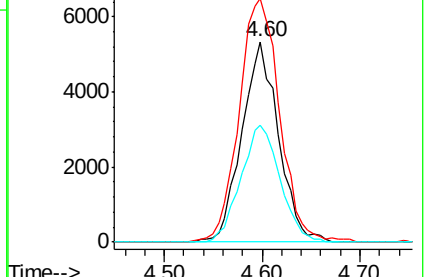
98 62.5 0.0 136.2

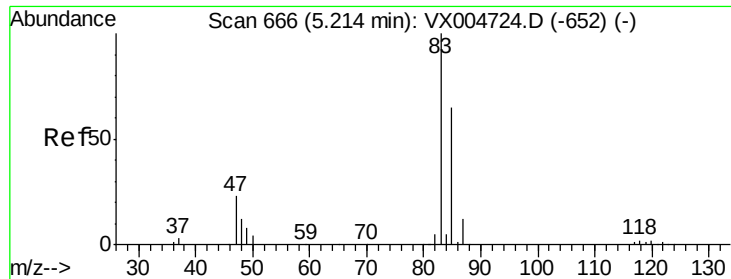


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

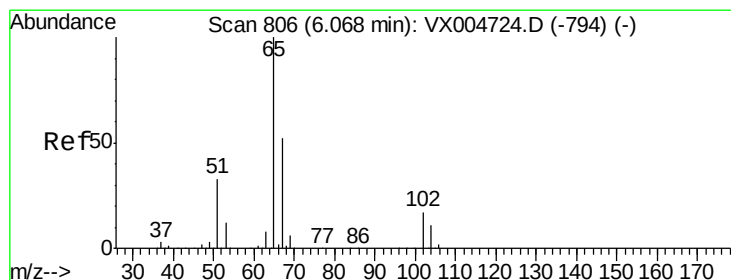
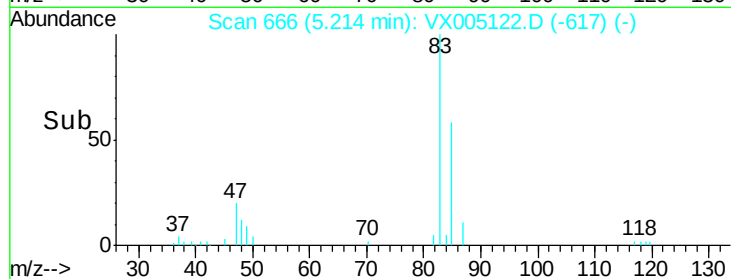
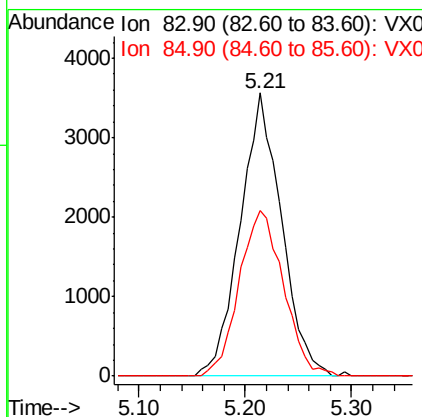
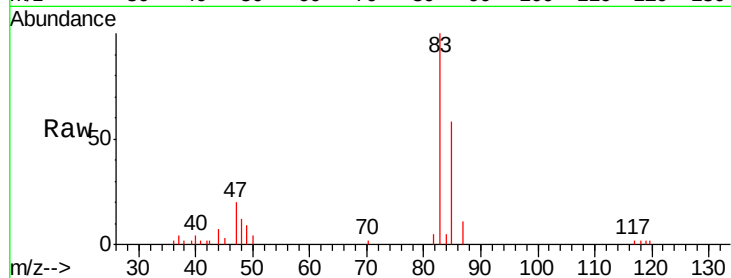




#30
Chloroform
Concen: 2.26 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005122.D
Acq: 08 Oct 2018 12:54

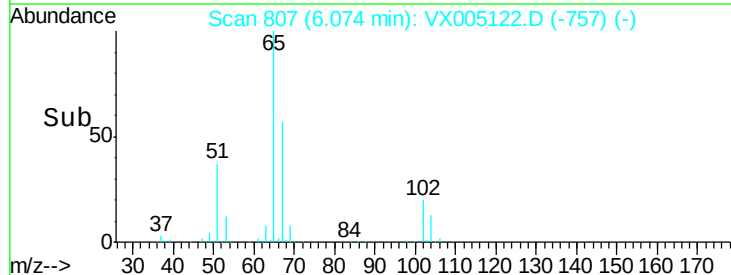
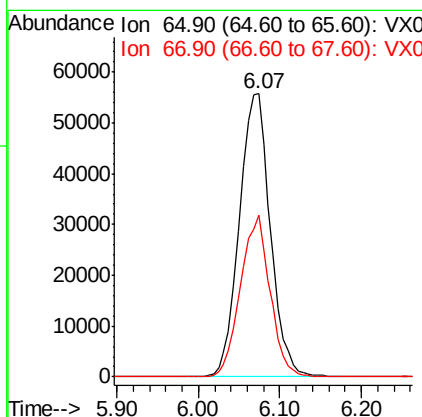
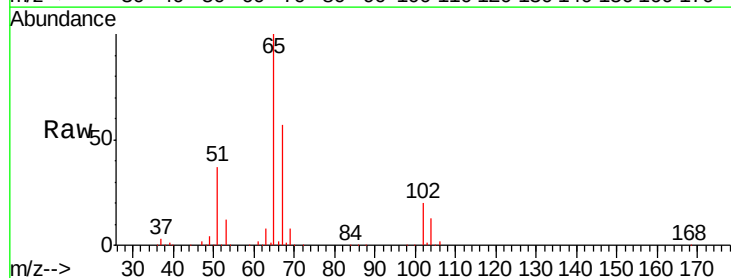
Instrument :
MSVOA_X
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RE-131D1-20180927

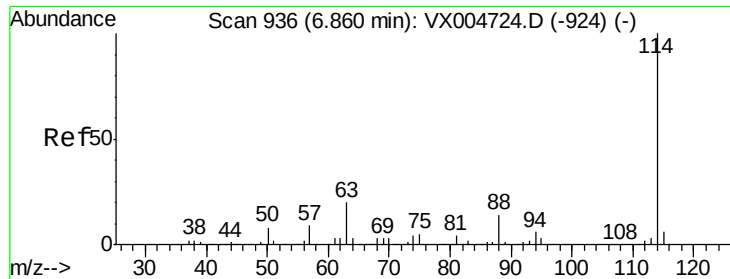
Tgt Ion: 83 Resp: 9701
Ion Ratio Lower Upper
83 100
85 58.3 52.4 78.6



#33
1,2-Dichloroethane-d4
Concen: 53.84 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005122.D
Acq: 08 Oct 2018 12:54

Tgt Ion: 65 Resp: 146962
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.4

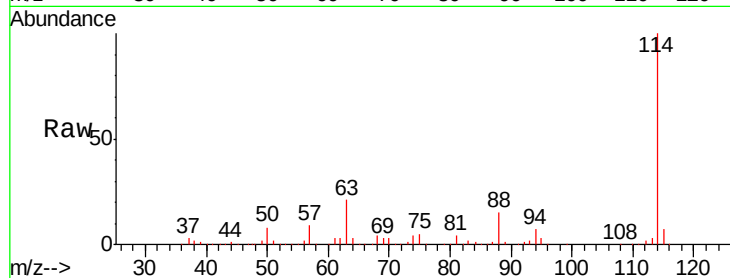




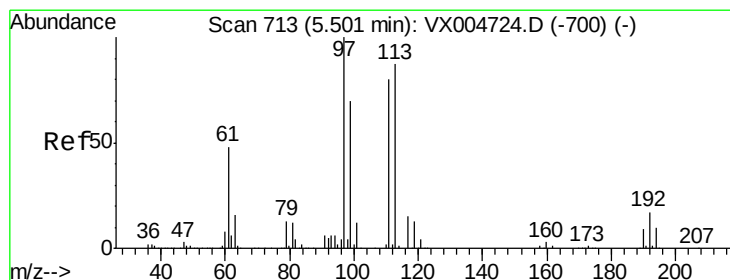
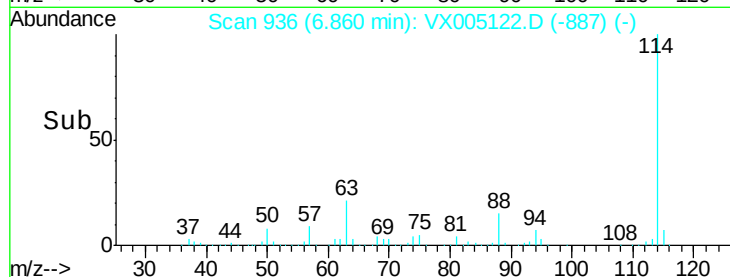
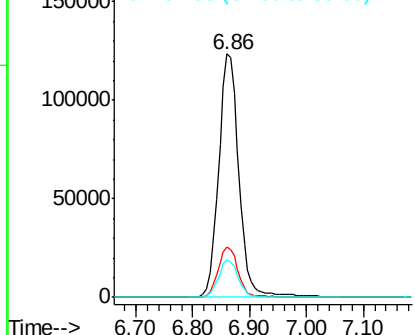
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005122.D
 Acq: 08 Oct 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-131D1-20180927

Tgt Ion:114 Resp: 305509
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.8
 88 15.4 0.0 27.0

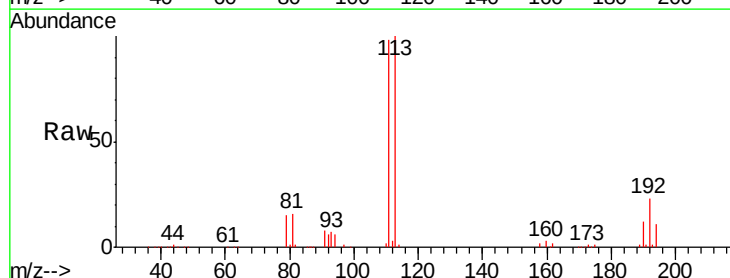


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

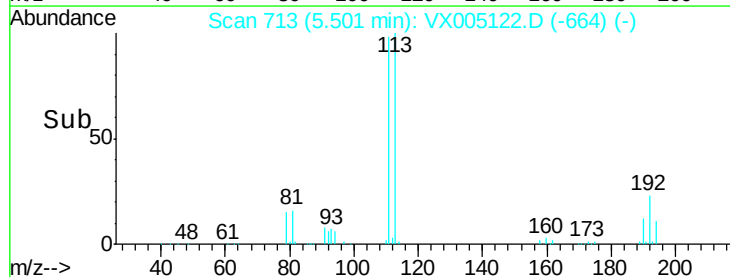
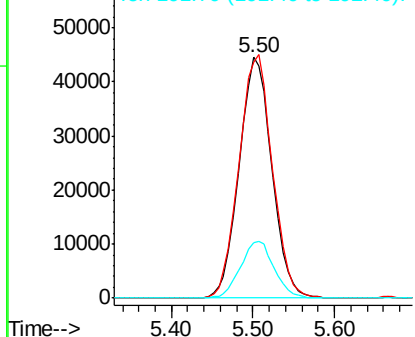


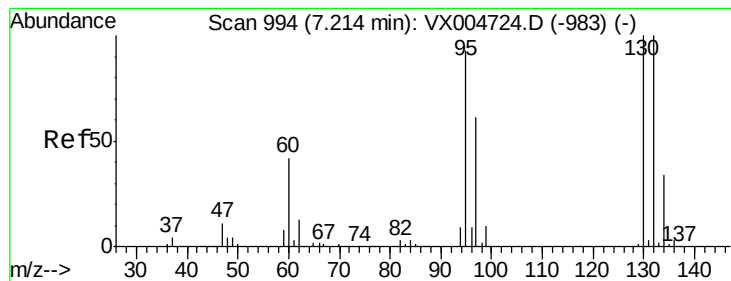
#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005122.D
 Acq: 08 Oct 2018 12:54

Tgt Ion:113 Resp: 124200
 Ion Ratio Lower Upper
 113 100
 111 103.1 77.0 115.4
 192 24.3 17.0 25.6



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





#44

Trichloroethene

Concen: 163.39 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

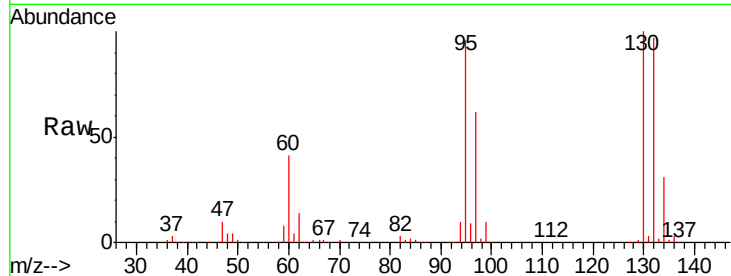
RE-131D1-20180927

Tgt Ion:130 Resp: 444235

Ion Ratio Lower Upper

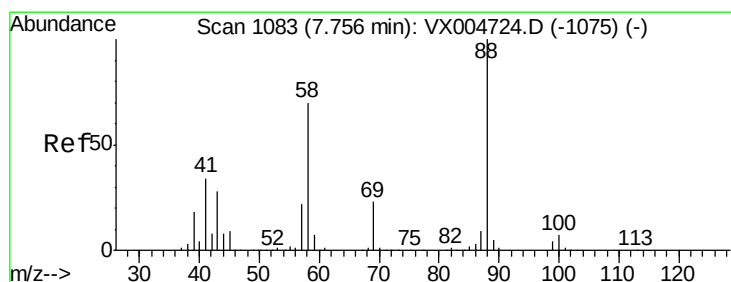
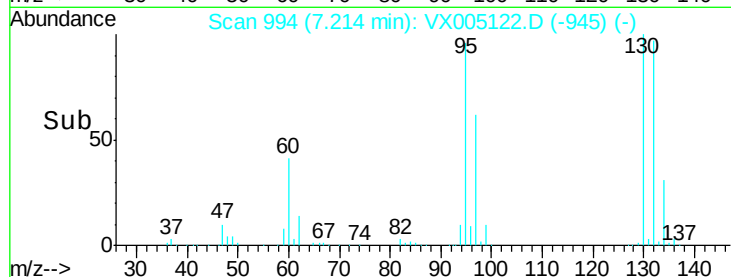
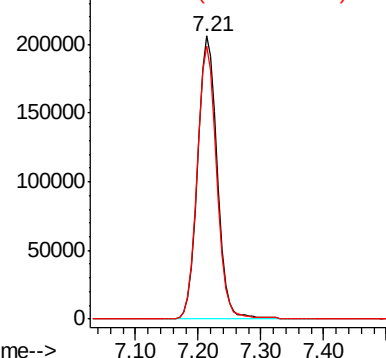
130 100

95 96.5 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 28.09 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

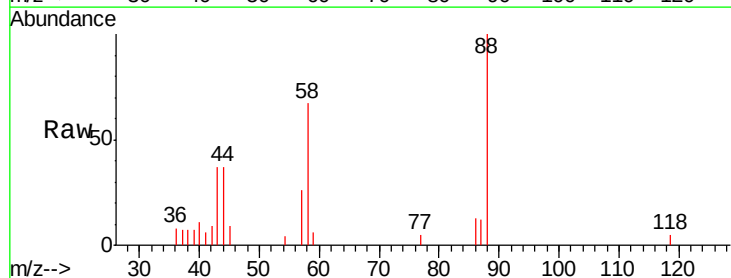
Tgt Ion: 88 Resp: 2144

Ion Ratio Lower Upper

88 100

43 42.9 25.1 37.7#

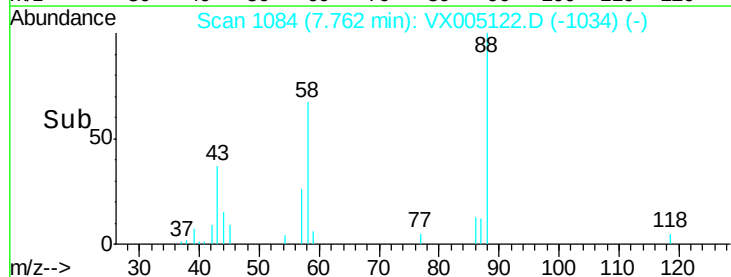
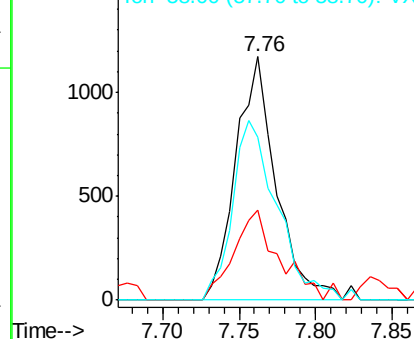
58 82.6 56.2 84.2

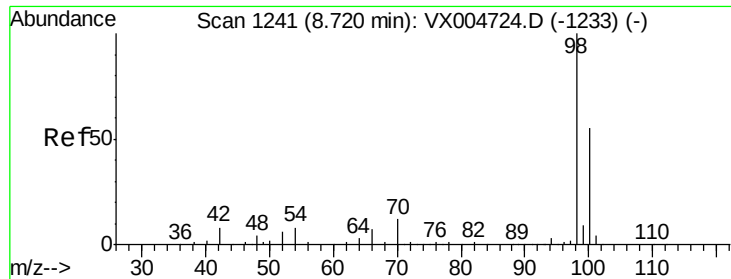


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.93 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

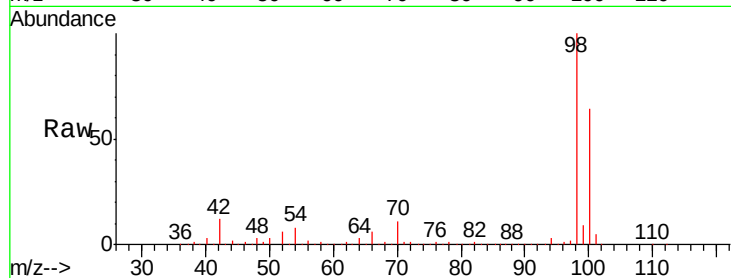
RE-131D1-20180927

Tgt Ion: 98 Resp: 446991

Ion Ratio Lower Upper

98 100

100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

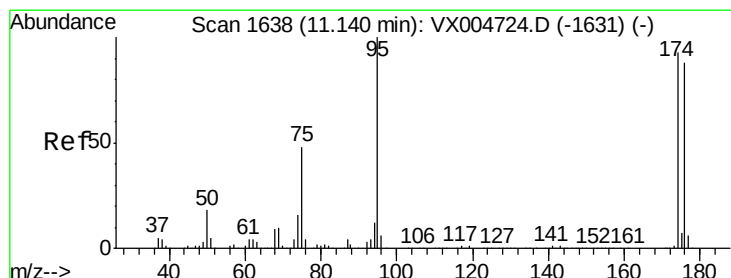
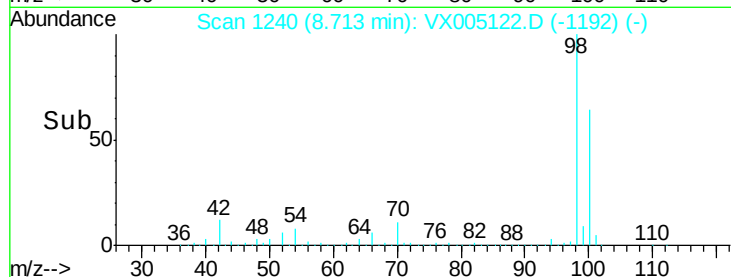
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 51.23 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

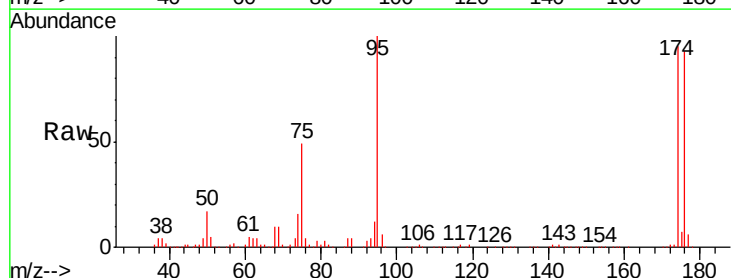
Tgt Ion: 95 Resp: 158880

Ion Ratio Lower Upper

95 100

174 93.7 0.0 185.0

176 90.4 0.0 180.2



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

11.14

150000

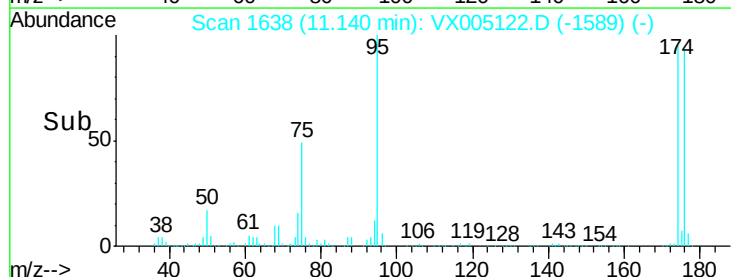
100000

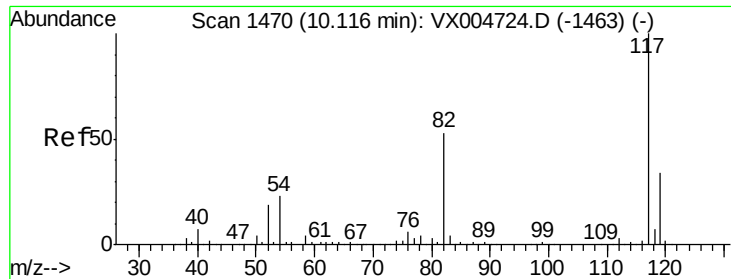
50000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

RE-131D1-20180927

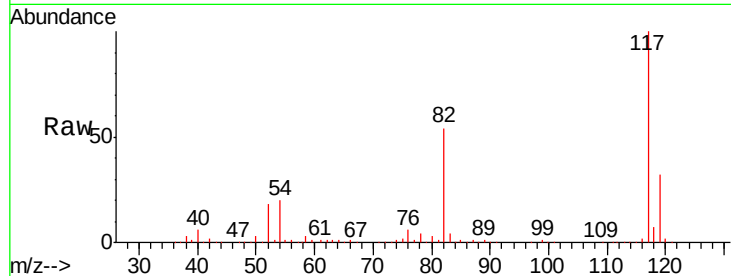
Tgt Ion:117 Resp: 301185

Ion Ratio Lower Upper

117 100

82 53.6 42.2 63.4

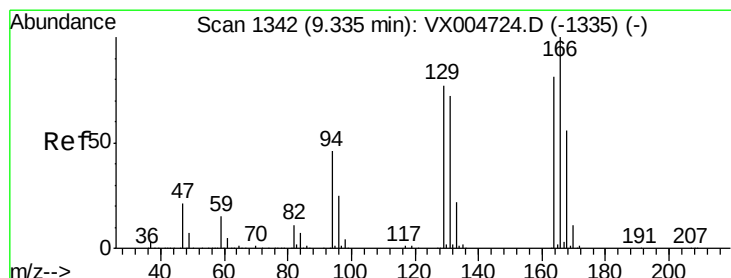
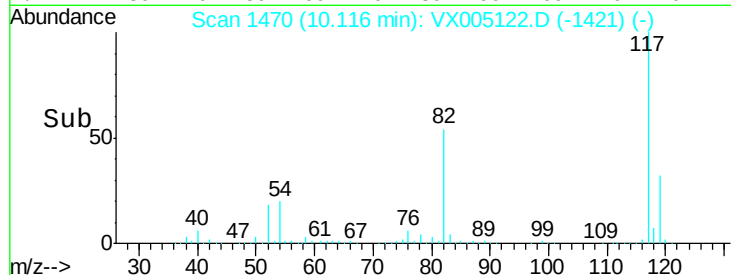
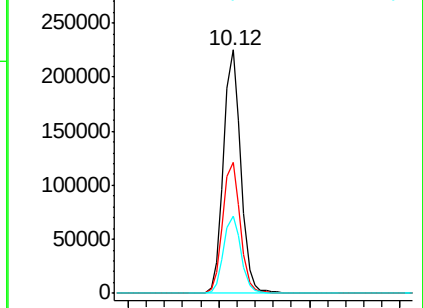
119 31.9 27.4 41.0



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: 6.35 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005122.D

Acq: 08 Oct 2018 12:54

Tgt Ion:164 Resp: 18820

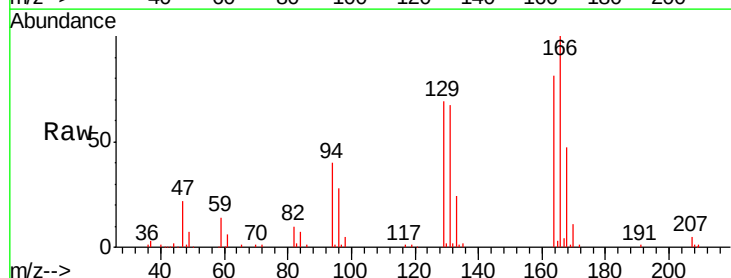
Ion Ratio Lower Upper

164 100

166 123.9 98.4 147.6

129 85.5 76.1 114.1

131 82.8 71.0 106.4

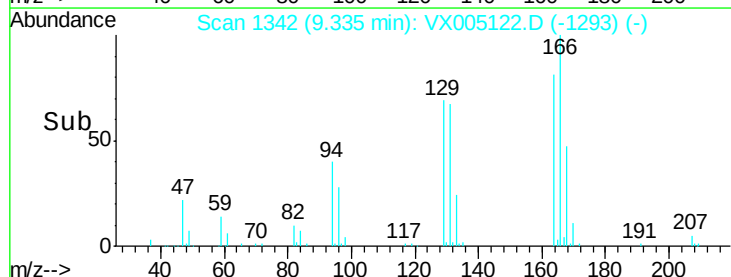
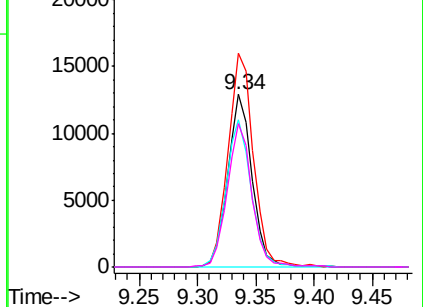


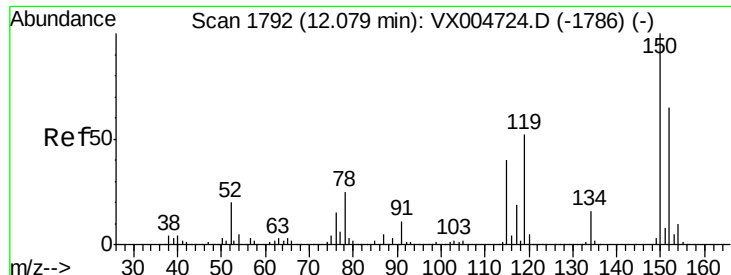
Abundance Ion 163.80 (163.50 to 164.50): V

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

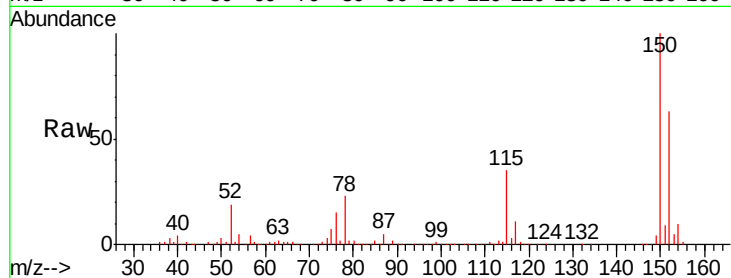




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005122.D
 Acq: 08 Oct 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-131D1-20180927

Tgt Ion	Resp	Lower	Upper
152	168542		
115	55.4	40.2	120.6
150	157.0	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

