

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060819\
 Data File : VX010161.D
 Acq On : 09 Jun 2019 00:07
 Operator : JC/SP
 Sample : K3257-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20190606

Quant Time: Jun 10 10:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	381376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125057	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.49	113	129974	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	498557	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	172315	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

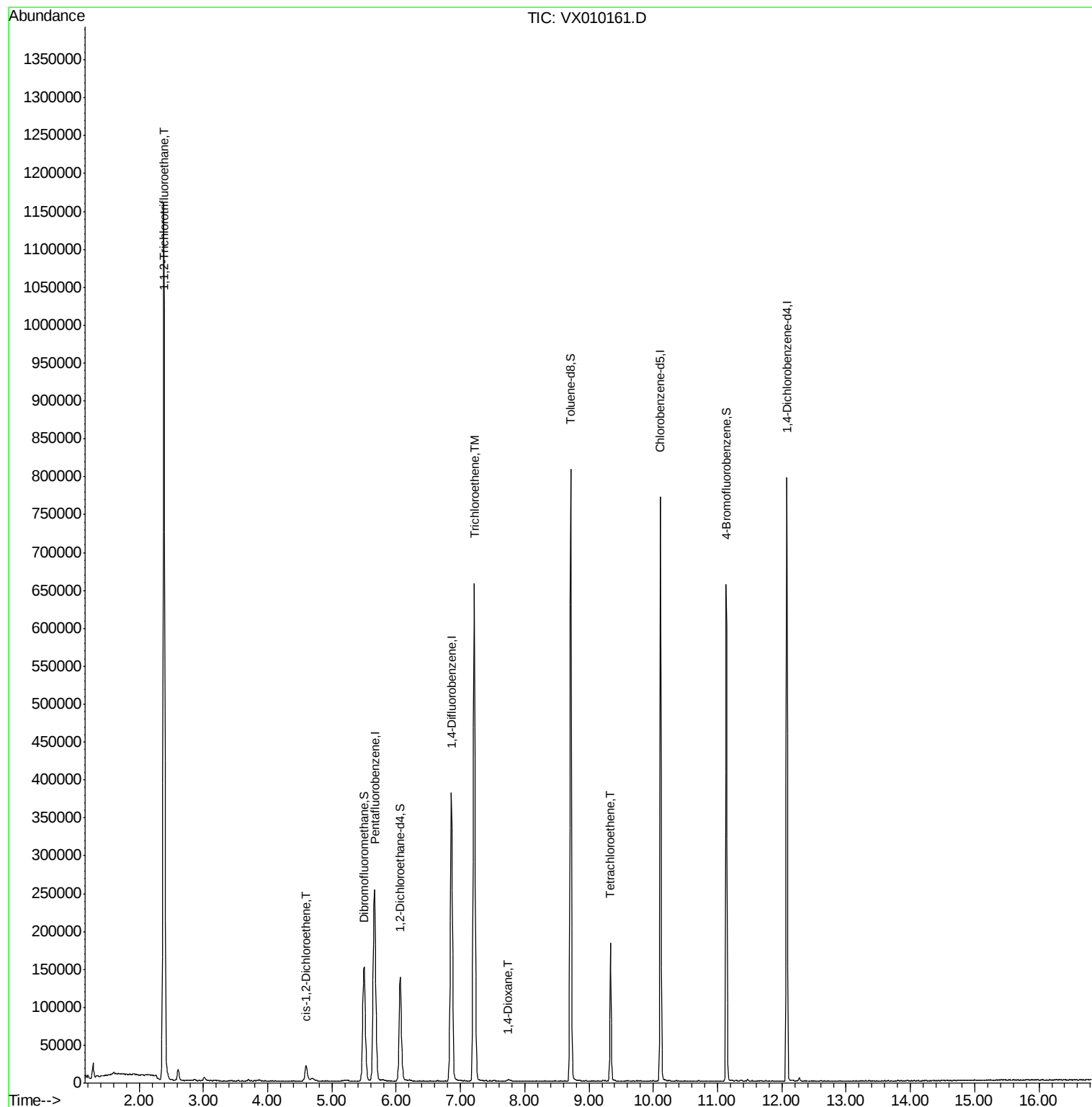
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	461722	190.256	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	14687	4.813	ug/l	71
44) Trichloroethene	7.21	130	273049	85.020	ug/l	85
49) 1,4-Dioxane	7.75	88	2095	26.212	ug/l	90
64) Tetrachloroethene	9.34	164	36129	12.755	ug/l	97

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

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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: VX010161.D

Acq: 09 Jun 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

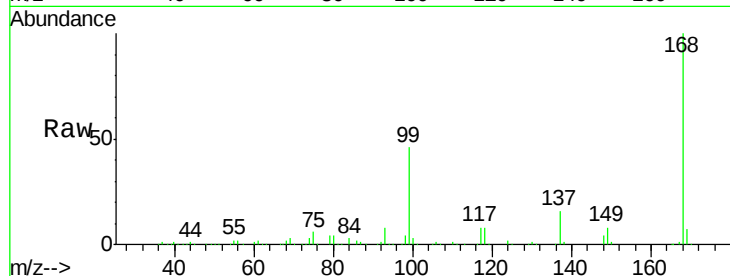
RE131D2-20190606

Tot Ion:168 Resp: 275964

Ion Ratio Lower Upper

168 100

99 46.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

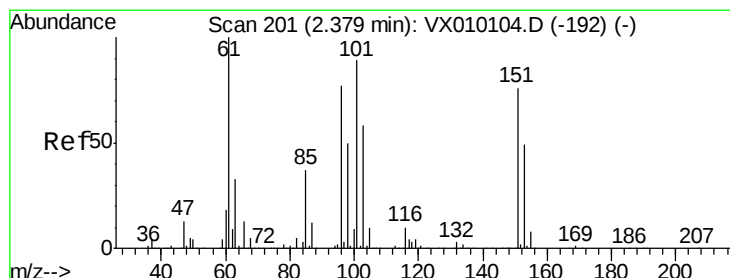
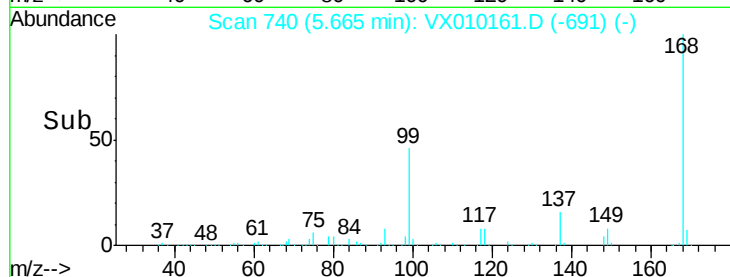
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 190.256 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

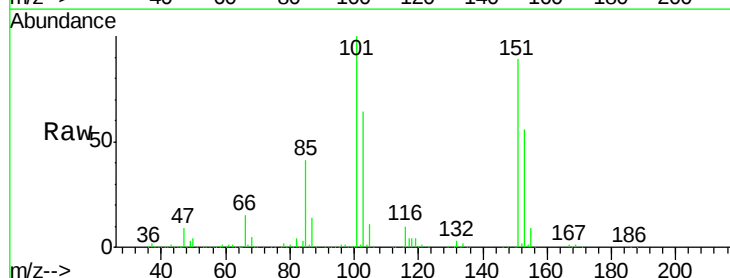
Tgt Ion:101 Resp: 461722

Ion Ratio Lower Upper

101 100

85 41.2 35.2 52.8

151 88.7 61.9 92.9



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

2.39

300000

250000

200000

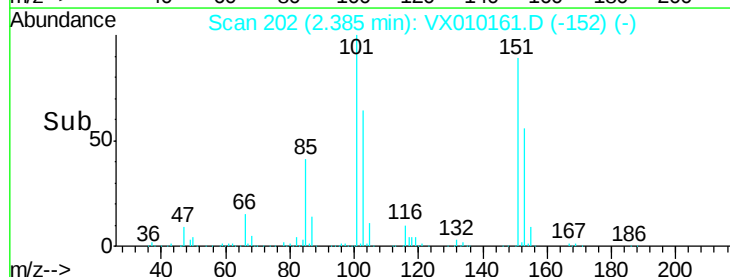
150000

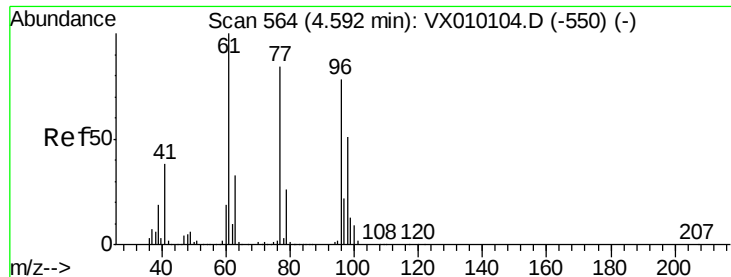
100000

50000

0

Time--> 2.30 2.40 2.50



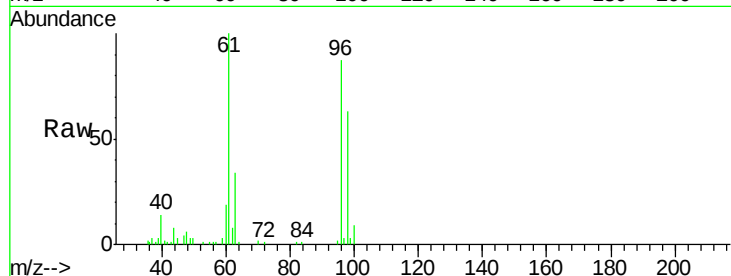


#27

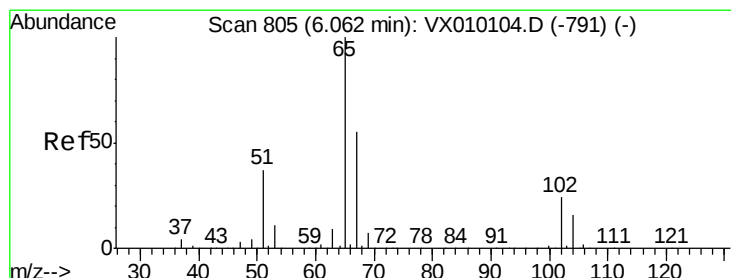
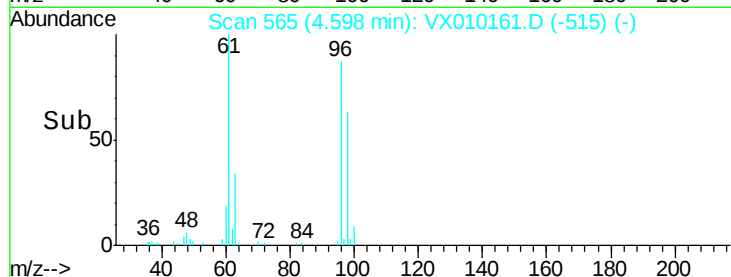
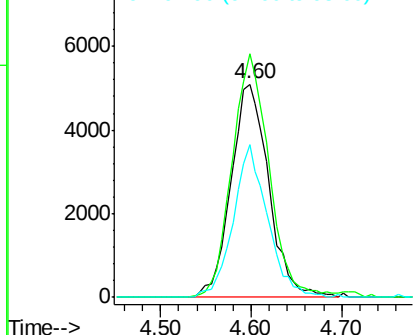
cis-1,2-Dichloroethene
 Concen: 4.813 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX010161.D
 Acq: 09 Jun 2019 00:07

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20190606

Tot Ion	96	Resp	14687
Ion	Ratio	Lower	Upper
96	100		
61	112.4	0.0	334.0
98	65.1	0.0	131.6



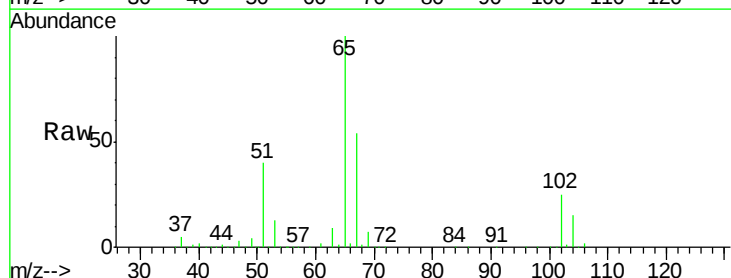
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



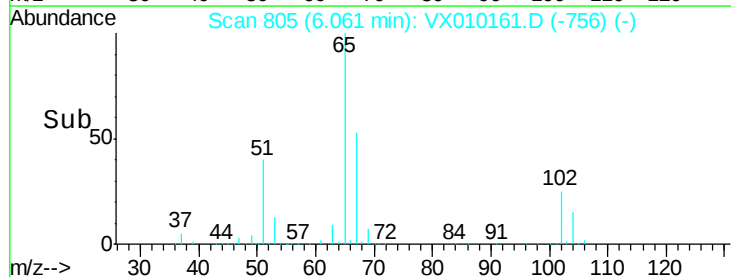
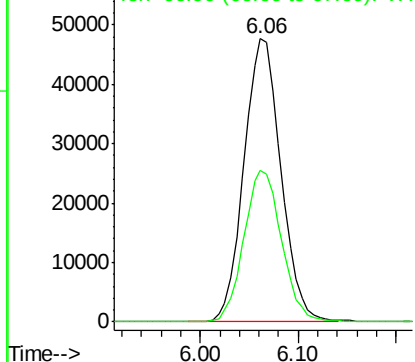
#33

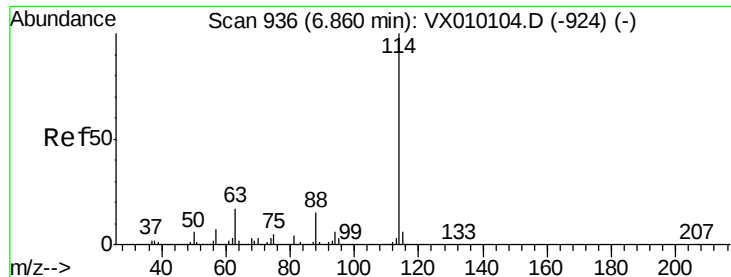
1,2-Dichloroethane-d4
 Concen: 46.425 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010161.D
 Acq: 09 Jun 2019 00:07

Tgt Ion	65	Resp	125057
Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	108.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606

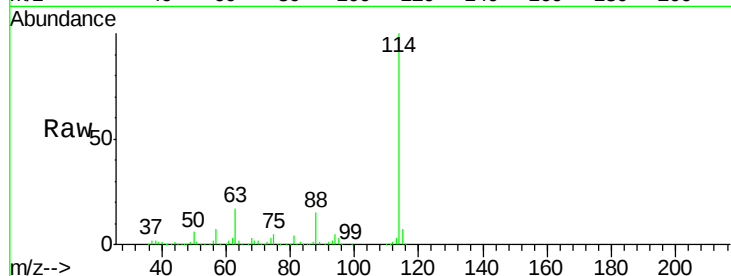
Tot Ion:114 Resp: 422338

Ion Ratio Lower Upper

114 100

63 16.7 0.0 47.4

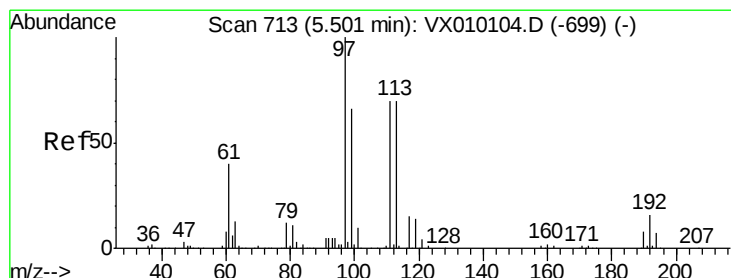
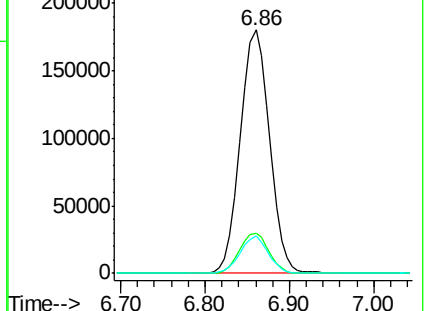
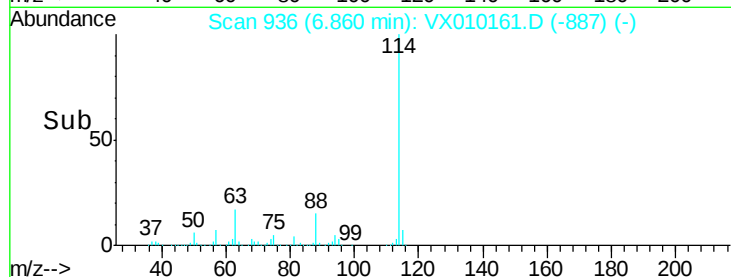
88 15.5 0.0 33.0



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: 49.893 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

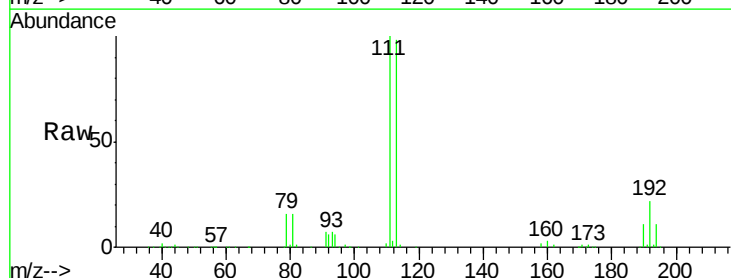
Tgt Ion:113 Resp: 129974

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

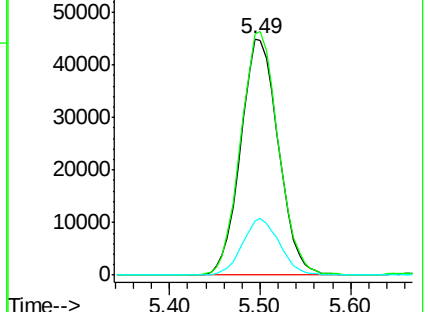
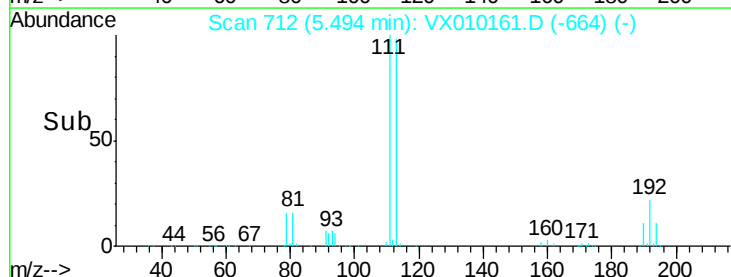
192 23.3 17.1 25.7

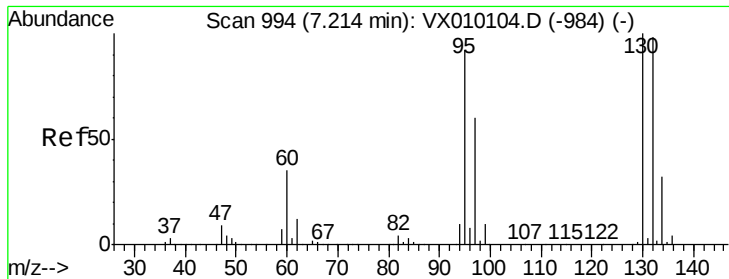


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 85.020 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

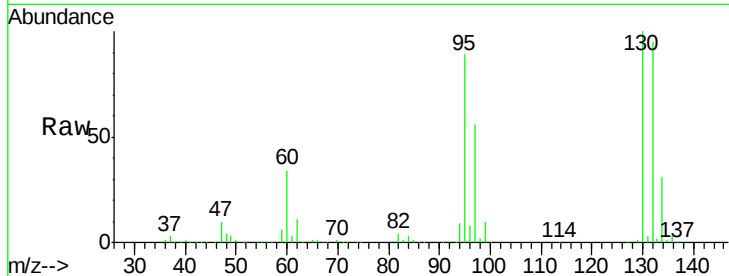
RE131D2-20190606

Tot Ion:130 Resp: 273049

Ion Ratio Lower Upper

130 100

95 88.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

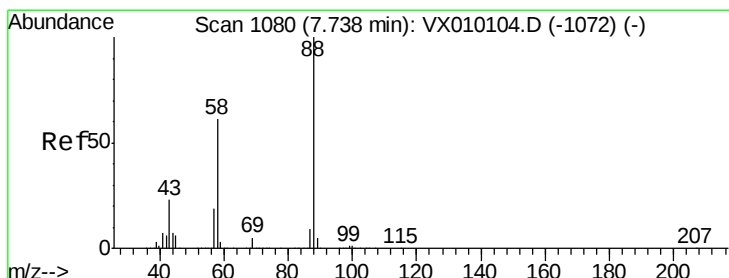
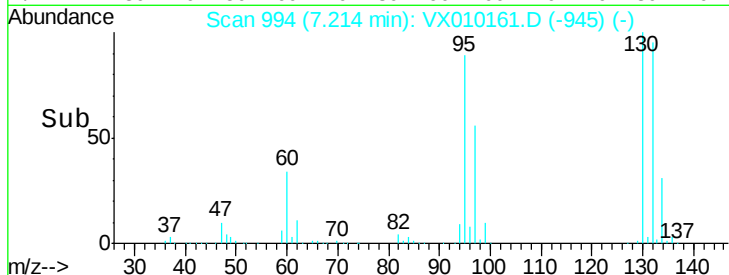
150000

100000

50000

0

Time-->



#49

1,4-Dioxane

Concen: 26.212 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

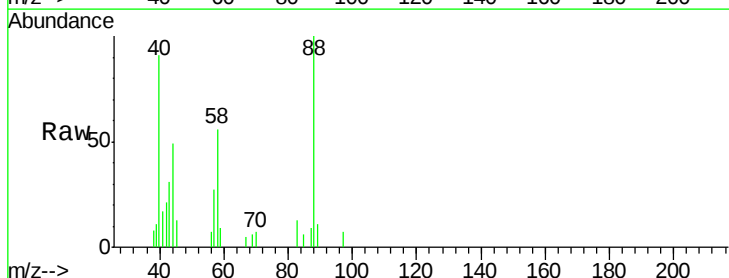
Tgt Ion: 88 Resp: 2095

Ion Ratio Lower Upper

88 100

43 42.0 30.2 45.4

58 69.7 64.0 96.0



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

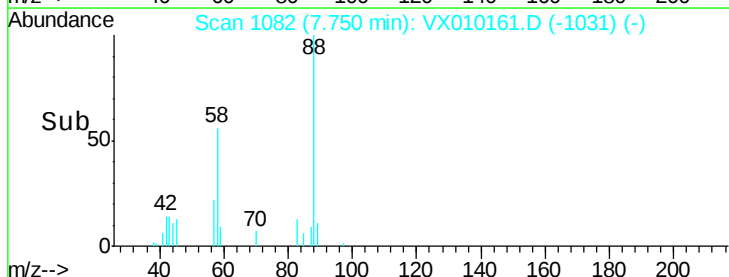
7.75

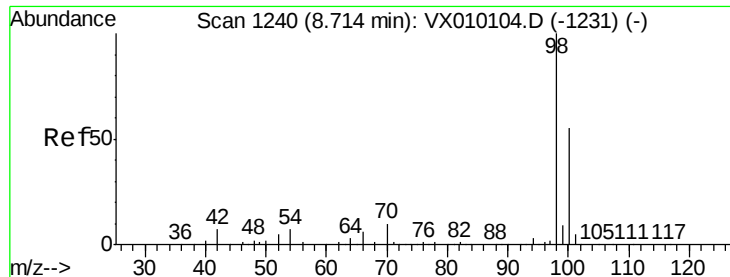
1000

500

0

Time-->





#50

Toluene-d8

Concen: 51.064 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

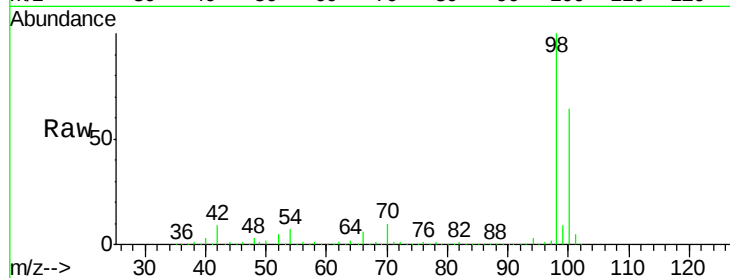
RE131D2-20190606

Tot Ion: 98 Resp: 498557

Ion Ratio Lower Upper

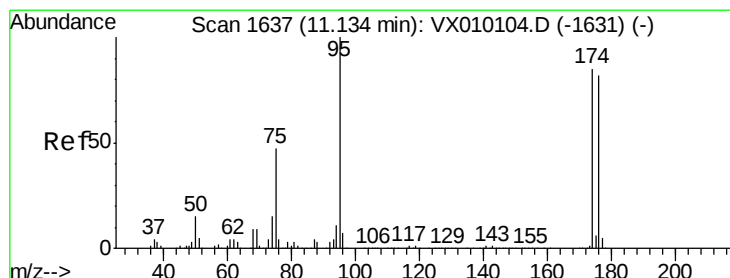
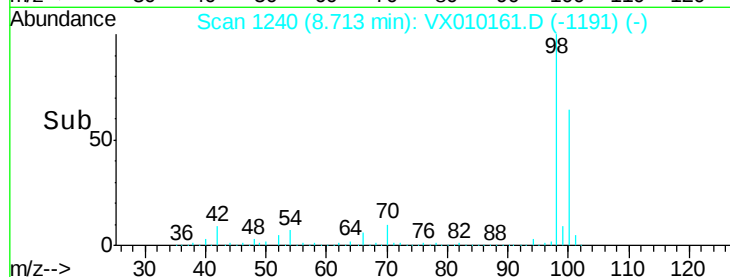
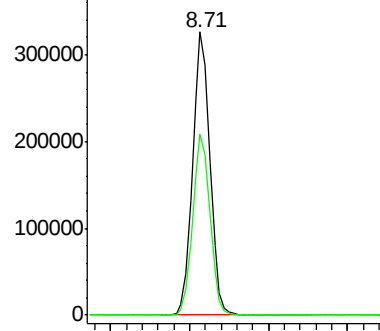
98 100

100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 47.258 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

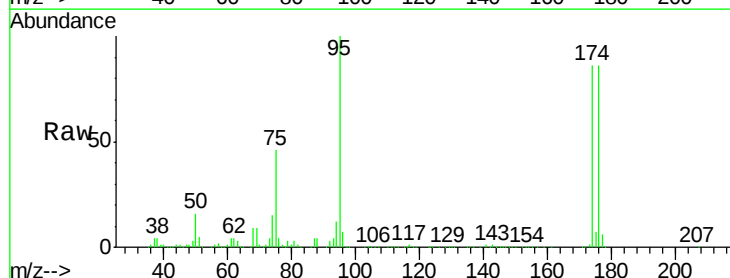
Tgt Ion: 95 Resp: 172315

Ion Ratio Lower Upper

95 100

174 92.4 0.0 160.4

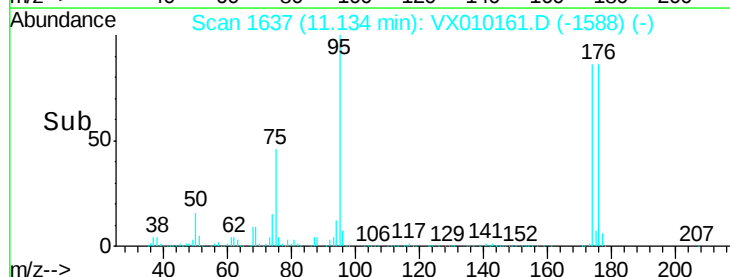
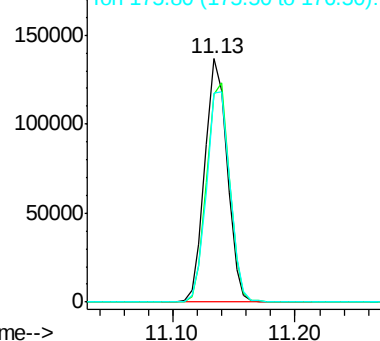
176 90.3 0.0 154.6

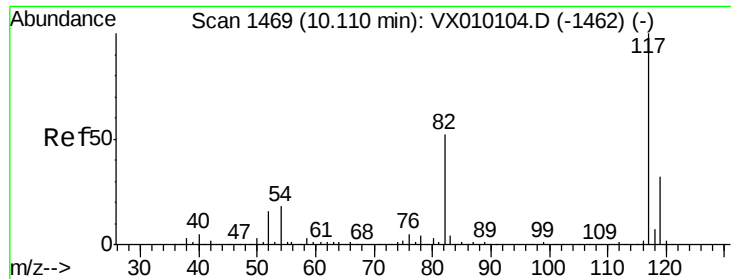


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

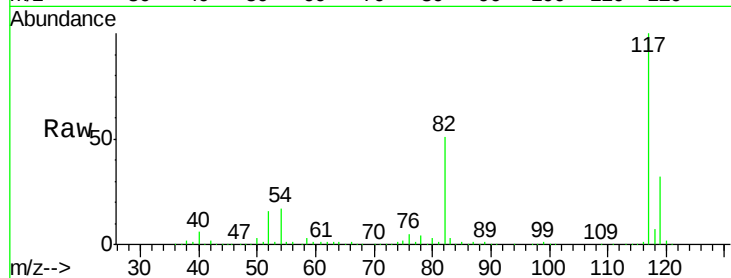




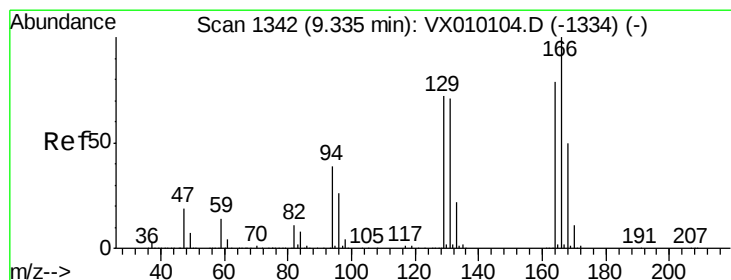
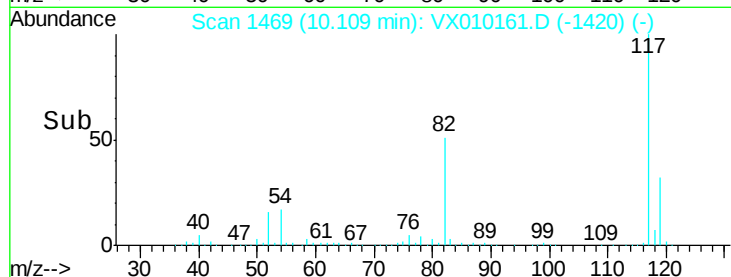
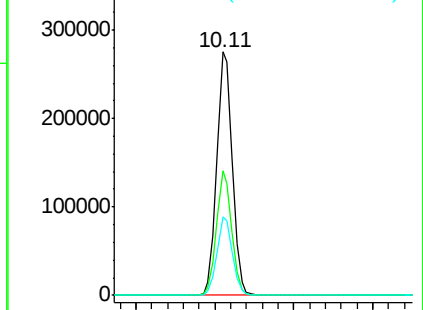
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010161.D
Acq: 09 Jun 2019 00:07

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20190606

Tot Ion:117 Resp: 381376
Ion Ratio Lower Upper
117 100
82 50.9 49.2 73.8
119 32.2 25.2 37.8

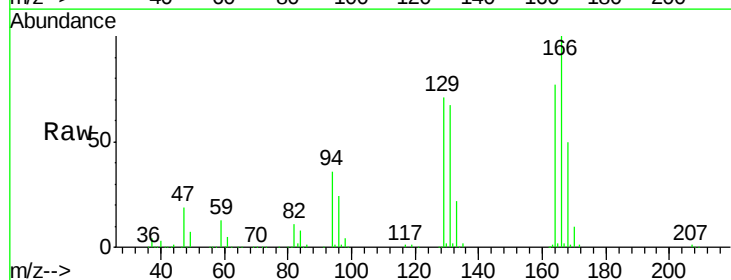


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

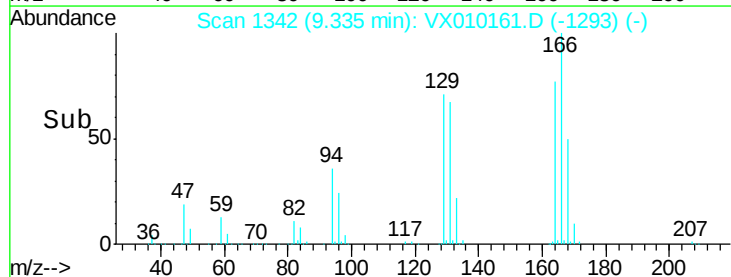
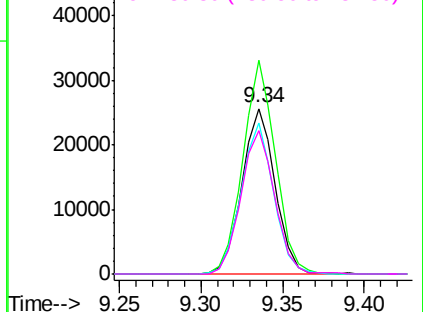


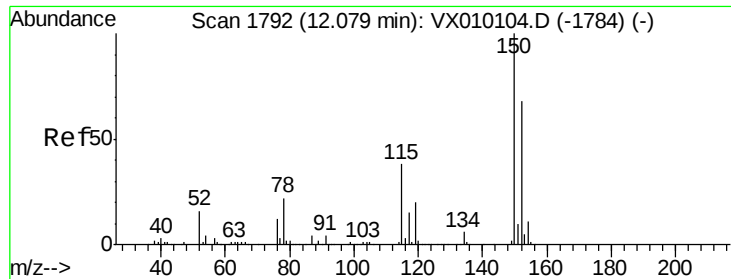
#64
Tetrachloroethene
Concen: 12.755 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010161.D
Acq: 09 Jun 2019 00:07

Tgt Ion:164 Resp: 36129
Ion Ratio Lower Upper
164 100
166 129.3 105.0 157.4
129 91.3 75.1 112.7
131 86.7 72.2 108.4



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010161.D

Acq: 09 Jun 2019 00:07

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606

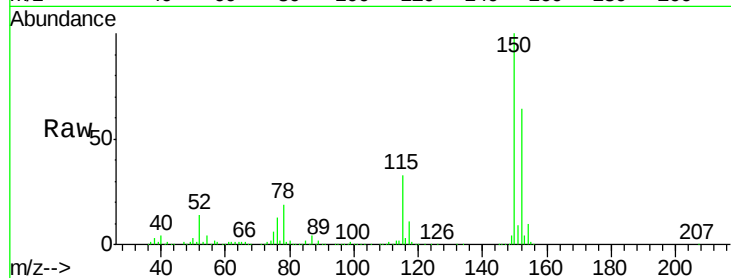
Tot Ion:152 Resp: 179529

Ion Ratio Lower Upper

152 100

115 53.3 41.4 124.2

150 155.8 0.0 345.2



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

