

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005911.D
 Acq On : 12 Nov 2018 20:00
 Operator : JC/MD
 Sample : J5912-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0498-181108

Quant Time: Nov 13 11:45:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	108752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	162600	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	144331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	75364	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	64617	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
35) Dibromofluoromethane	5.50	113	51685	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.71	98	189883	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	66850	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

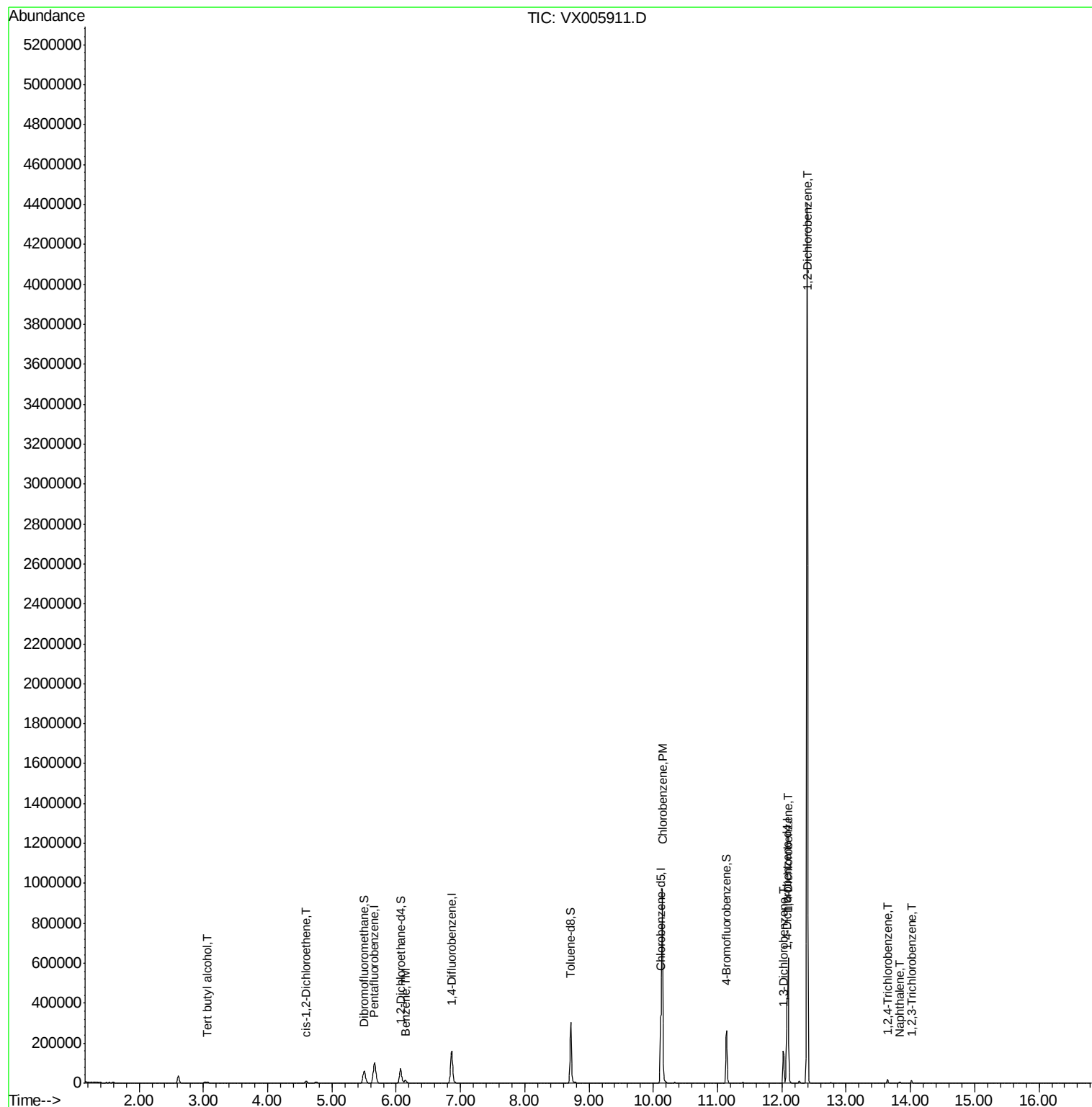
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	7882	22.007	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5058	4.518	ug/l	88
40) Benzene	6.14	78	15500	3.392	ug/l	99
65) Chlorobenzene	10.14	112	418060	144.587	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	54369	23.062	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189361	78.464	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1468790	621.927	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	4162	2.503	ug/l	98
95) Naphthalene	13.83	128	3726	1.848	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	3406	2.011	ug/l	99

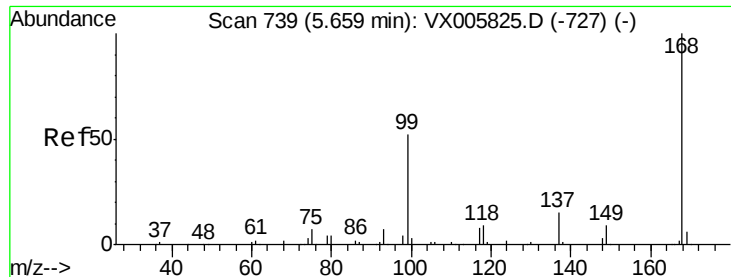
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\
Data File : VX005911.D
Acq On : 12 Nov 2018 20:00
Operator : JC/MD
Sample : J5912-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-0498-181108

Quant Time: Nov 13 11:45:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

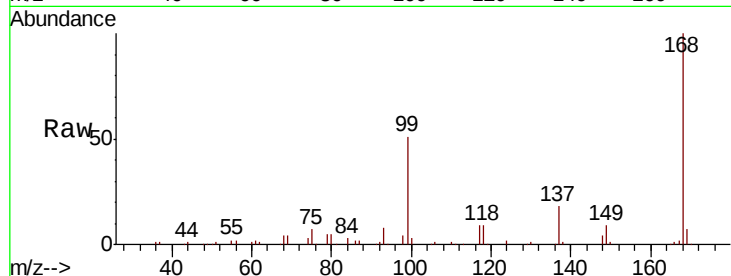
DUP-0498-181108

Tot Ion:168 Resp: 108752

Ion Ratio Lower Upper

168 100

99 51.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

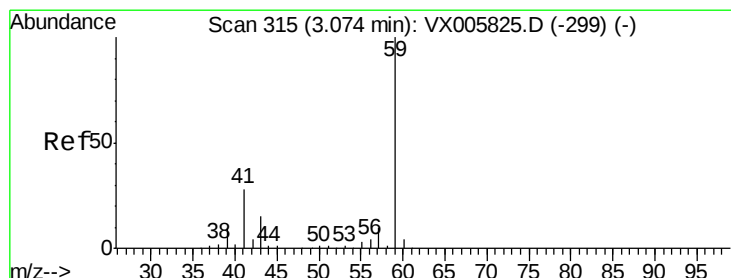
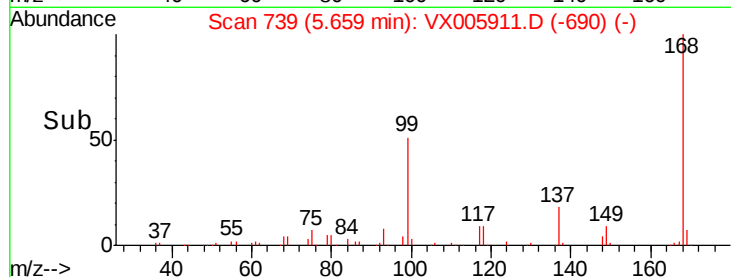
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 22.007 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX005911.D

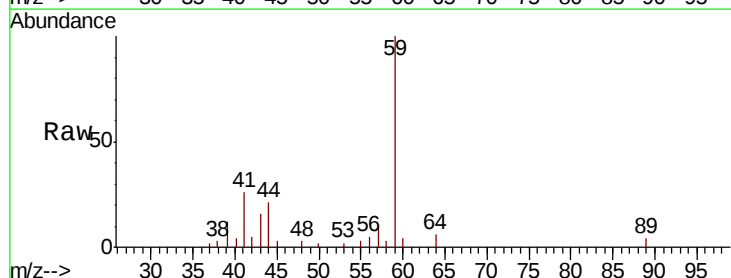
Acq: 12 Nov 2018 20:00

Tgt Ion: 59 Resp: 7882

Ion Ratio Lower Upper

59 100

57 8.8 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

3000

2500

2000

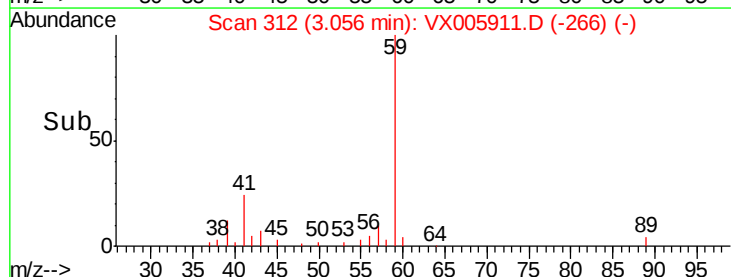
1500

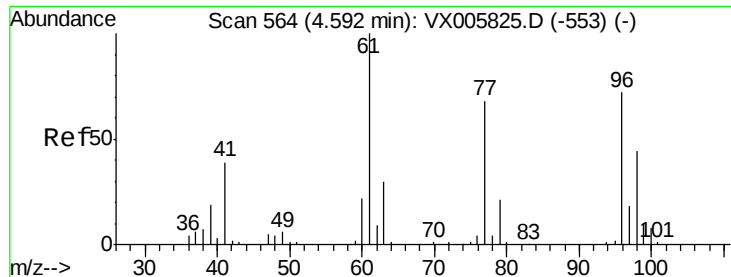
1000

500

0

Time--> 3.00 3.10





#27

cis-1,2-Dichloroethene

Concen: 4.518 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

DUP-0498-181108

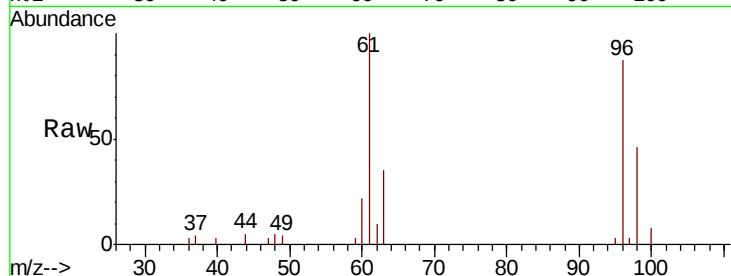
Tot Ion: 96 Resp: 5058

Ion Ratio Lower Upper

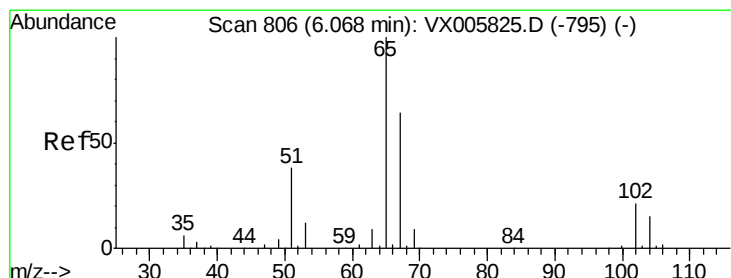
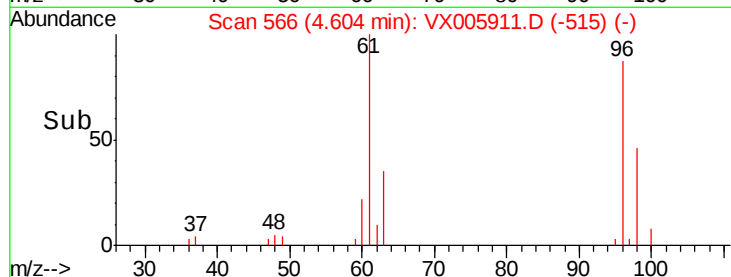
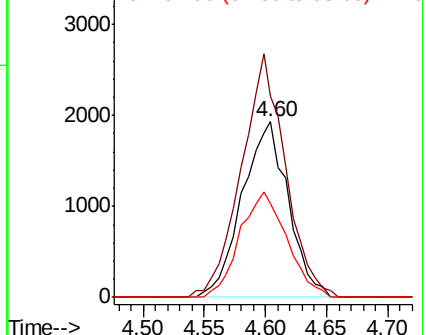
96 100

61 132.5 0.0 304.6

98 61.2 0.0 127.4



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



#33

1,2-Dichloroethane-d4

Concen: 51.684 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005911.D

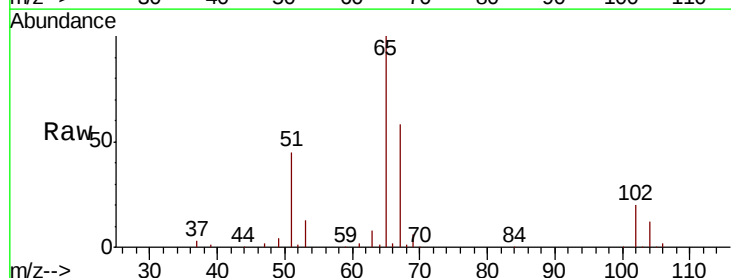
Acq: 12 Nov 2018 20:00

Tgt Ion: 65 Resp: 64617

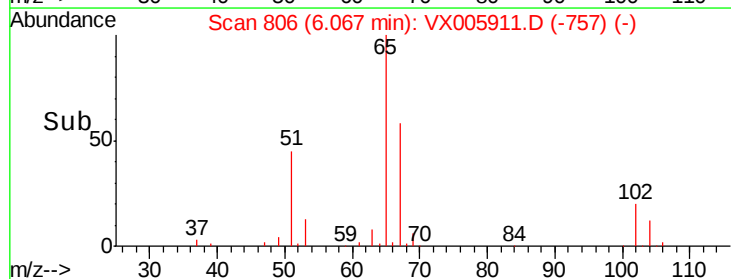
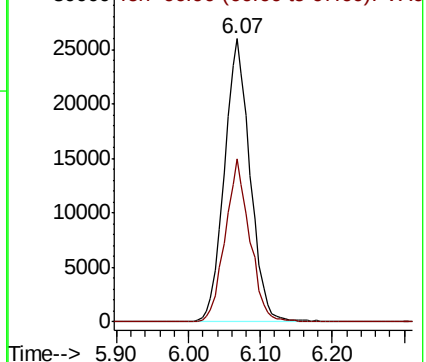
Ion Ratio Lower Upper

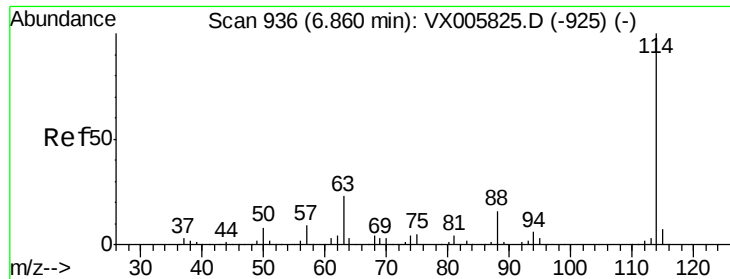
65 100

67 55.1 0.0 105.0



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

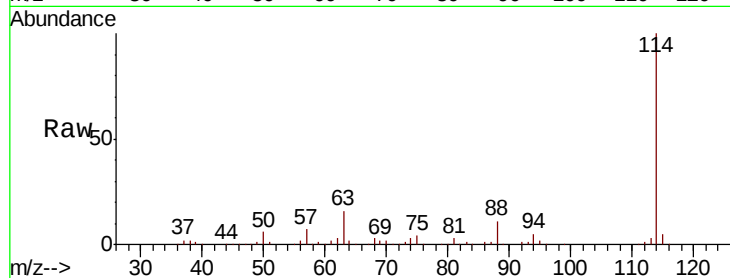




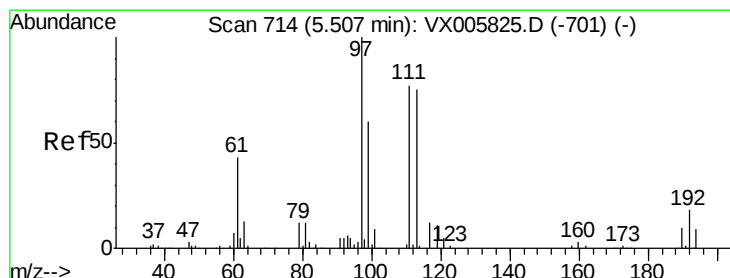
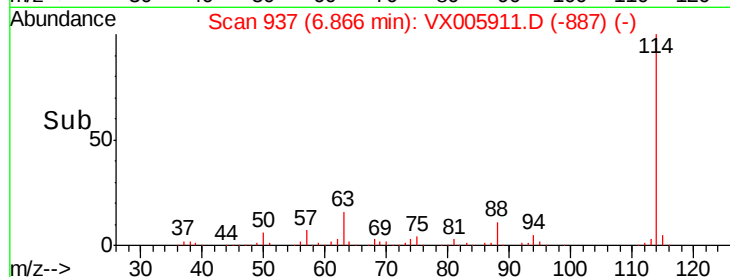
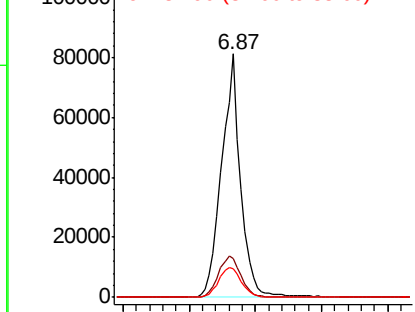
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

Instrument :
MSVOA_X
ClientSampleId :
DUP-0498-181108

Tot Ion:114 Resp: 162600
Ion Ratio Lower Upper
114 100
63 16.0 0.0 42.8
88 11.5 0.0 31.2

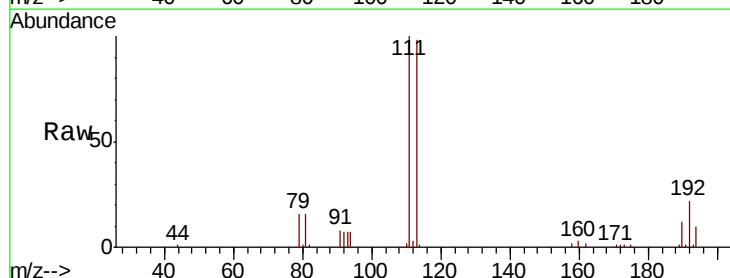


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

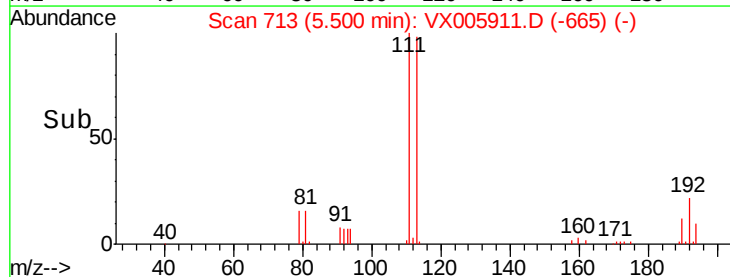
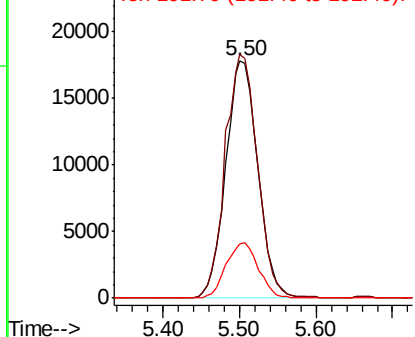


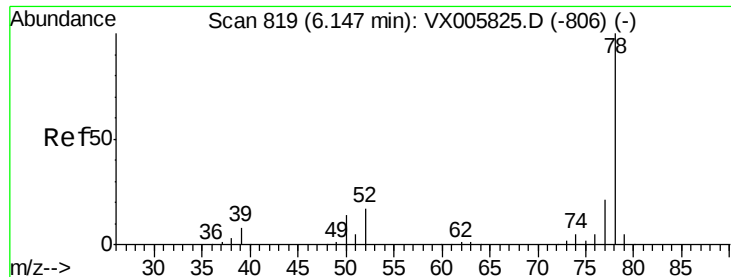
#35
Dibromofluoromethane
Concen: 46.735 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

Tgt Ion:113 Resp: 51685
Ion Ratio Lower Upper
113 100
111 103.2 82.3 123.5
192 23.6 17.9 26.9



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

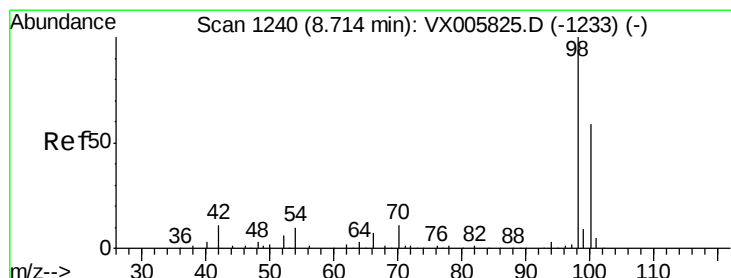
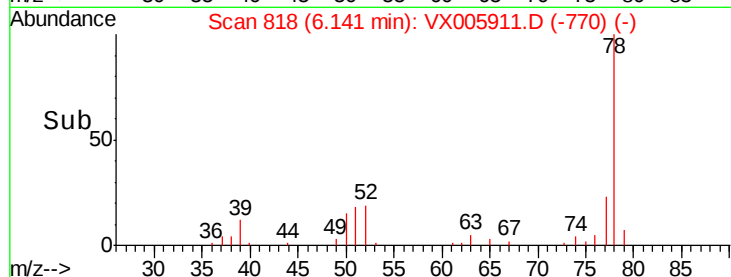
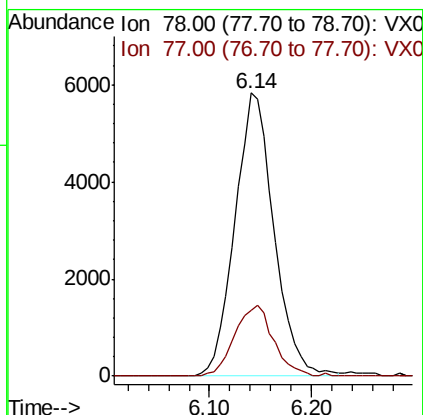
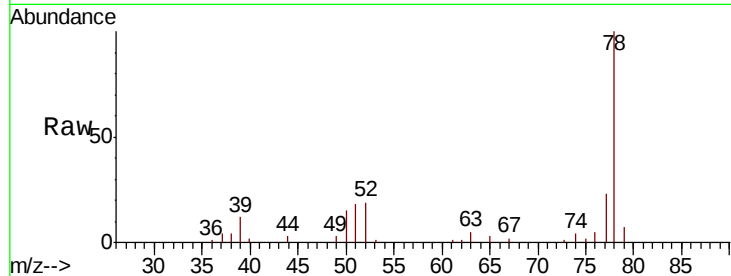




#40
Benzene
Concen: 3.392 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

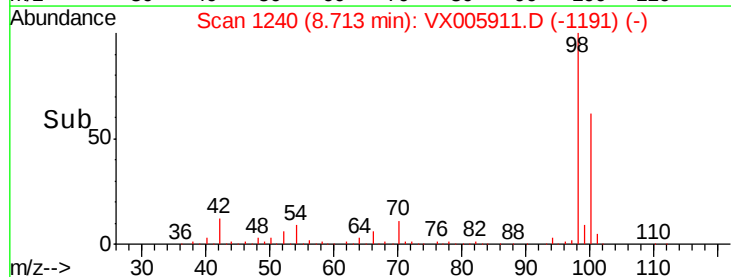
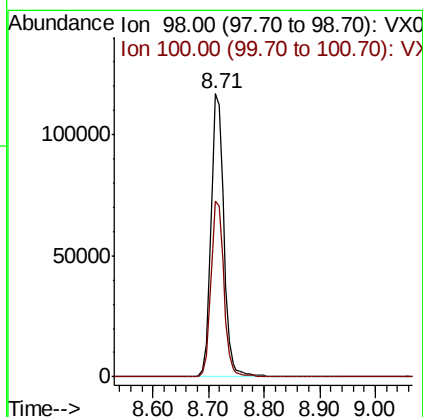
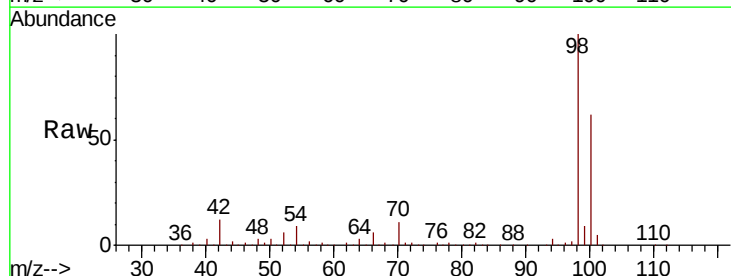
Instrument :
MSVOA_X
ClientSampleId :
DUP-0498-181108

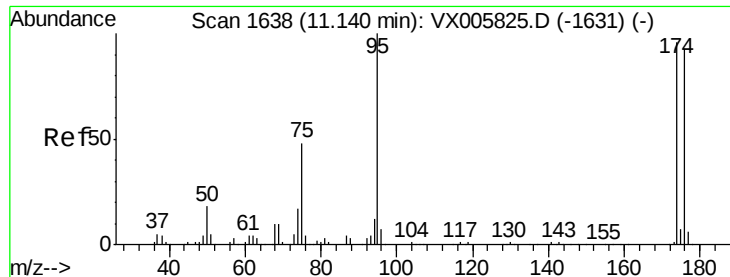
Tot Ion: 78 Resp: 15500
Ion Ratio Lower Upper
78 100
77 23.3 18.4 27.6



#50
Toluene-d8
Concen: 51.645 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

Tgt Ion: 98 Resp: 189883
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9





#62

4-Bromofluorobenzene

Concen: 50.570 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

DUP-0498-181108

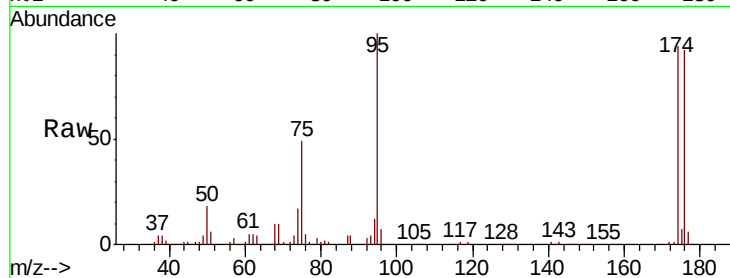
Tot Ion: 95 Resp: 66850

Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.4

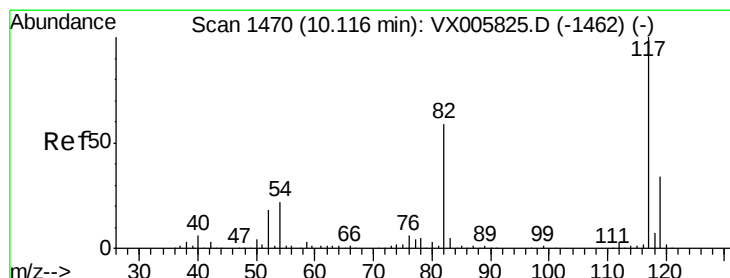
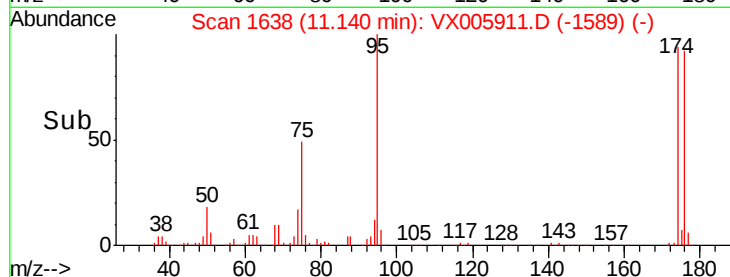
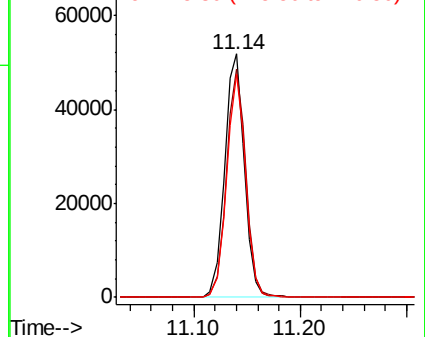
176 88.8 0.0 177.4



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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

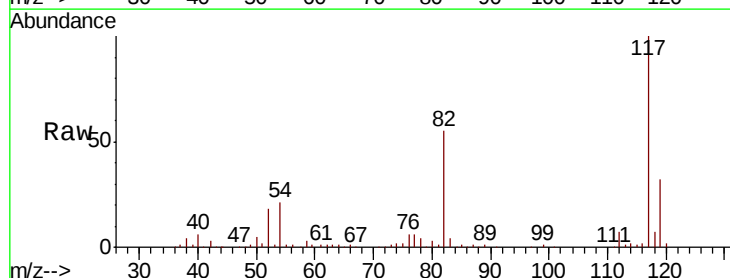
Tgt Ion: 117 Resp: 144331

Ion Ratio Lower Upper

117 100

82 55.2 44.1 66.1

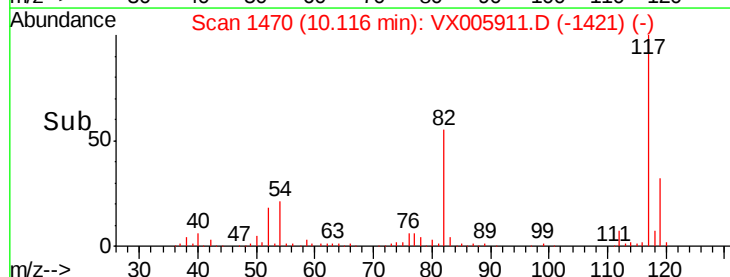
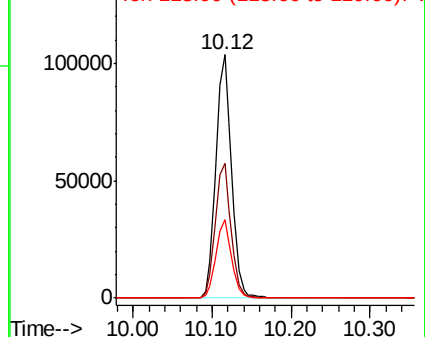
119 32.0 26.2 39.2

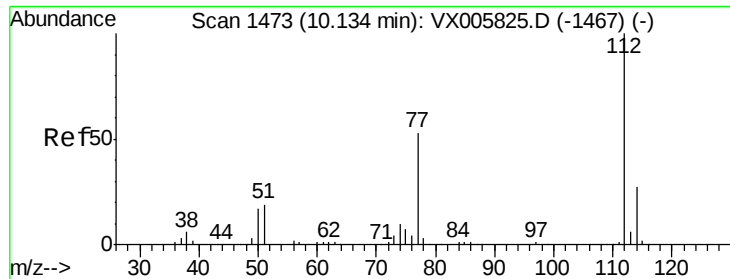


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

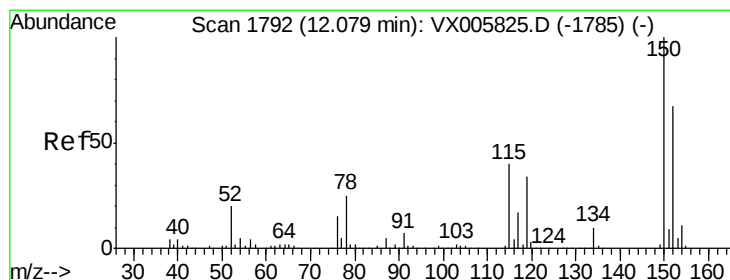
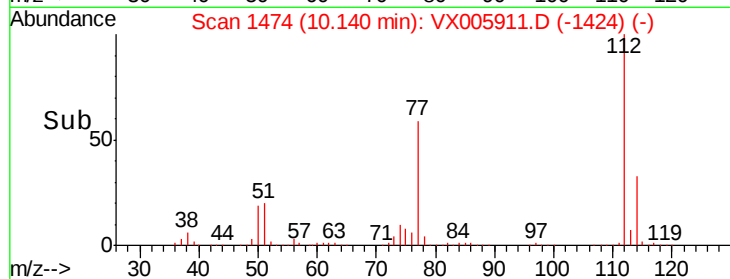
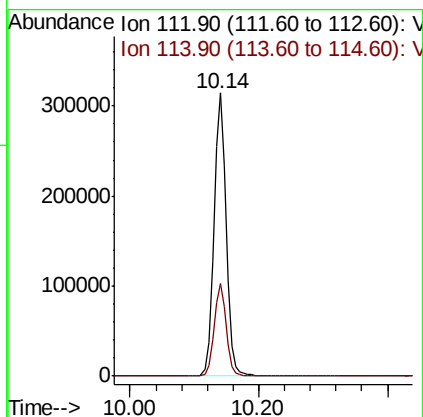
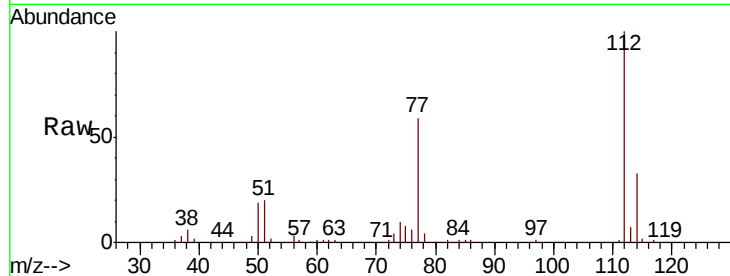




#65
Chlorobenzene
Concen: 144.587 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

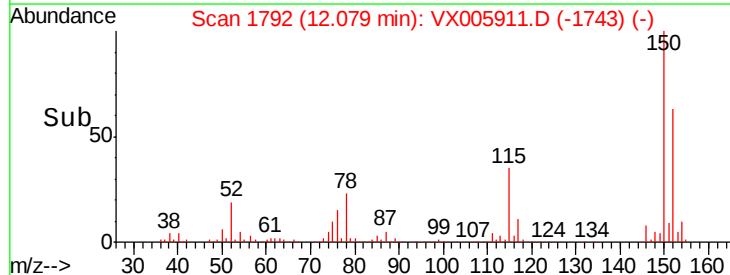
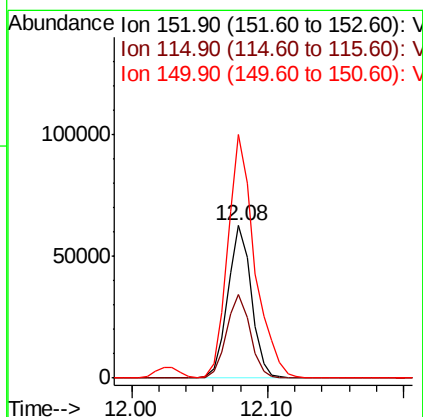
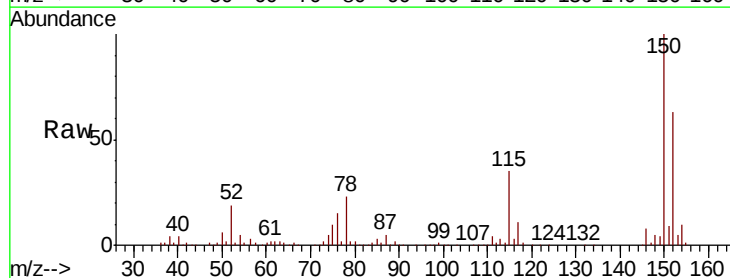
Instrument :
MSVOA_X
ClientSampleId :
DUP-0498-181108

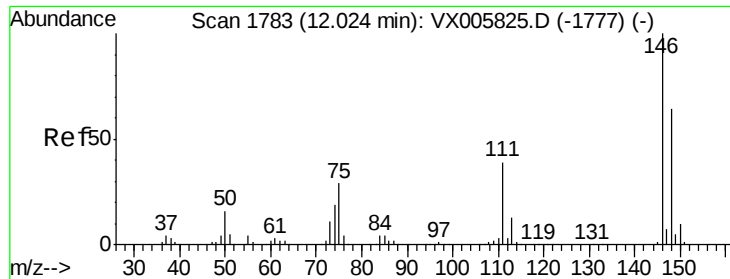
Tot Ion:112 Resp: 418060
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005911.D
Acq: 12 Nov 2018 20:00

Tgt Ion:152 Resp: 75364
Ion Ratio Lower Upper
152 100
115 55.1 39.4 118.1
150 182.4 0.0 346.4

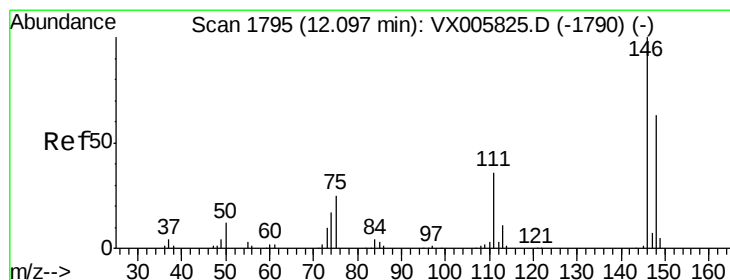
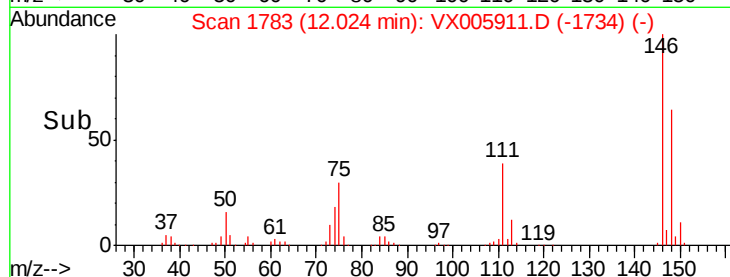
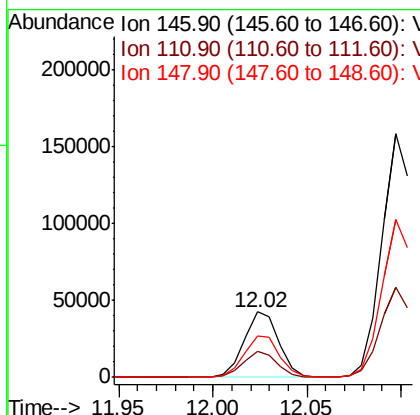
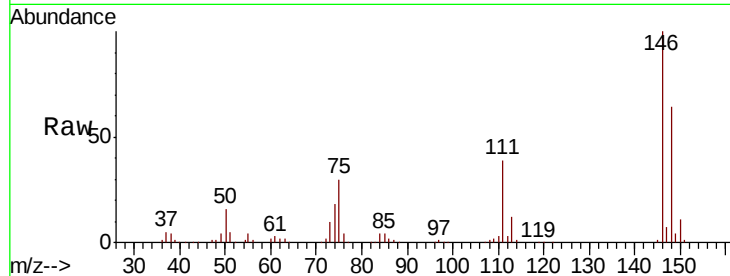




#87
 1,3-Dichlorobenzene
 Concen: 23.062 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005911.D
 Acq: 12 Nov 2018 20:00

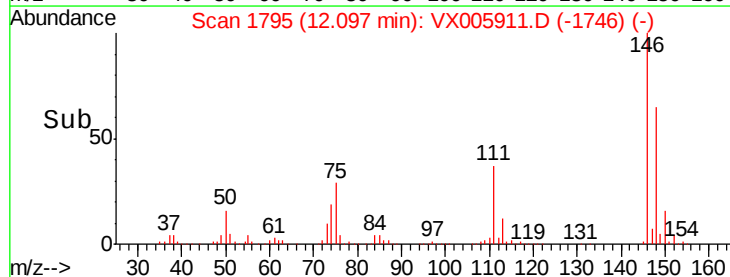
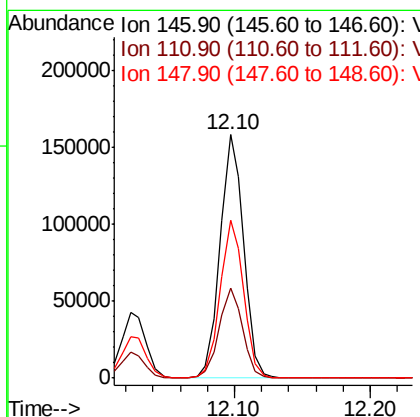
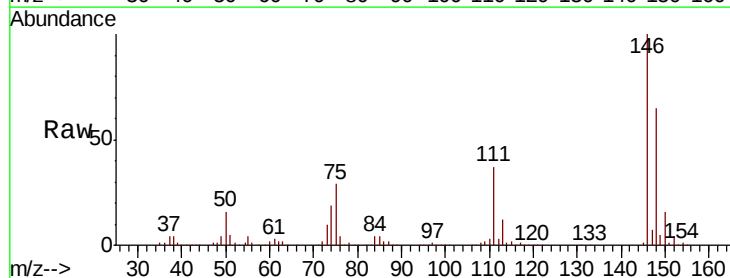
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0498-181108

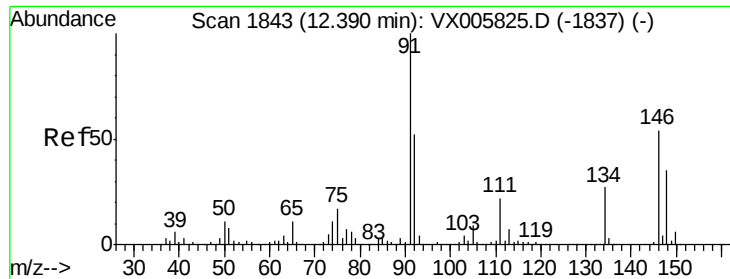
Tot Ion:146 Resp: 54369
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 64.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 78.464 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005911.D
 Acq: 12 Nov 2018 20:00

Tgt Ion:146 Resp: 189361
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.6 32.1 96.3

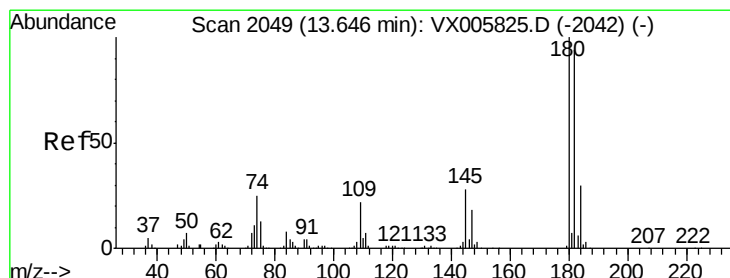
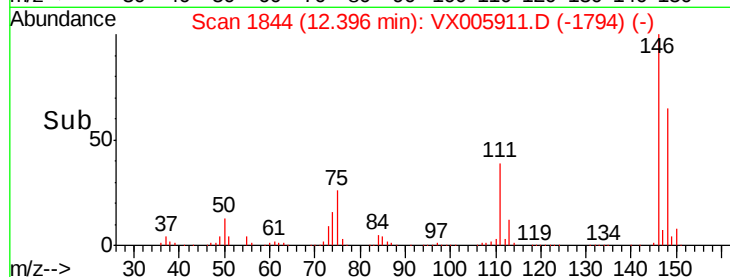
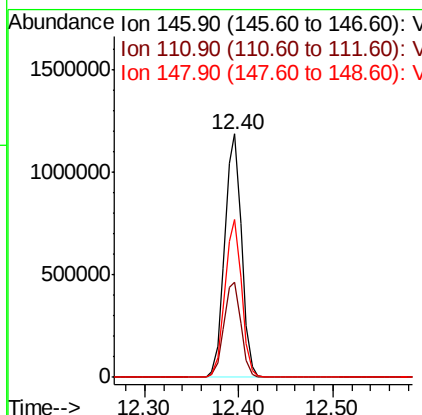
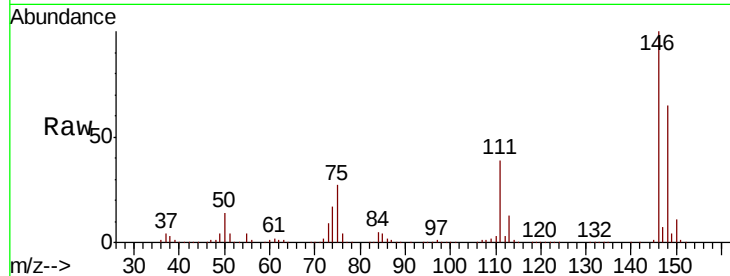




#91
 1,2-Dichlorobenzene
 Concen: 621.927 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005911.D
 Acq: 12 Nov 2018 20:00

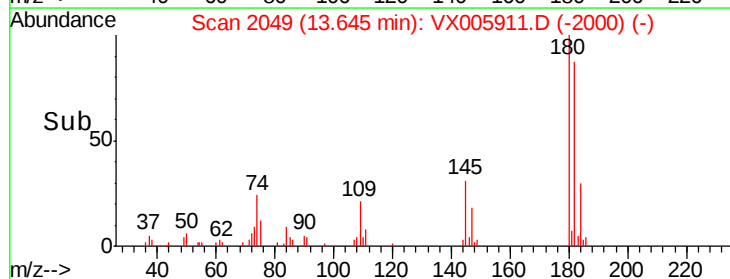
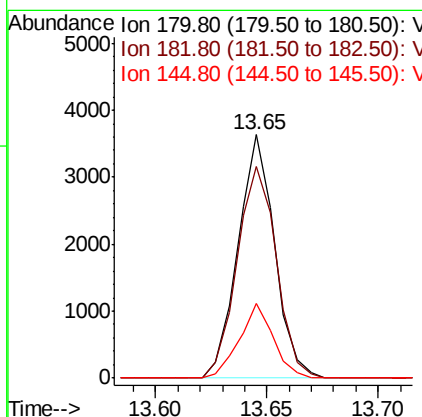
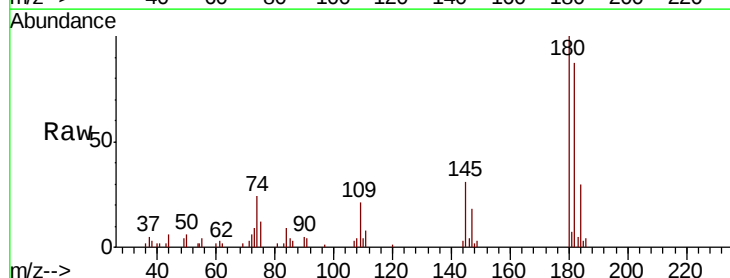
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0498-181108

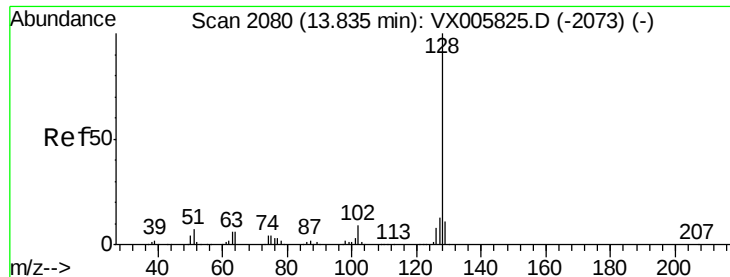
Tot Ion:146 Resp: 1468790
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 59.9
 148 64.4 32.2 96.6



#93
 1,2,4-Trichlorobenzene
 Concen: 2.503 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005911.D
 Acq: 12 Nov 2018 20:00

Tgt Ion:180 Resp: 4162
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.6 142.8
 145 28.7 14.1 42.2





#95

Naphthalene

Concen: 1.848 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

Instrument :

MSVOA_X

ClientSampleId :

DUP-0498-181108

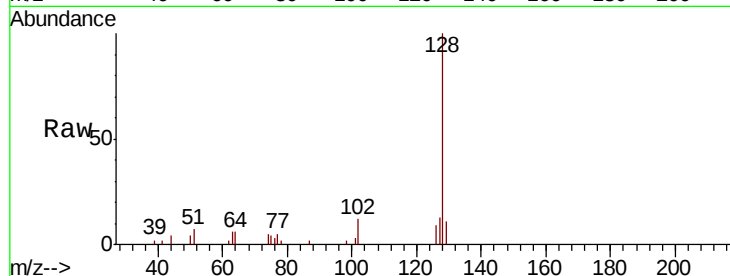
Tot Ion:128 Resp: 3726

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

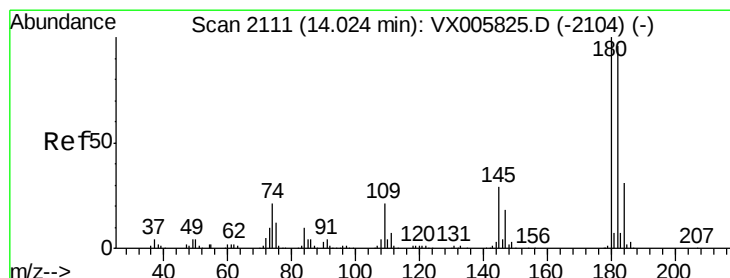
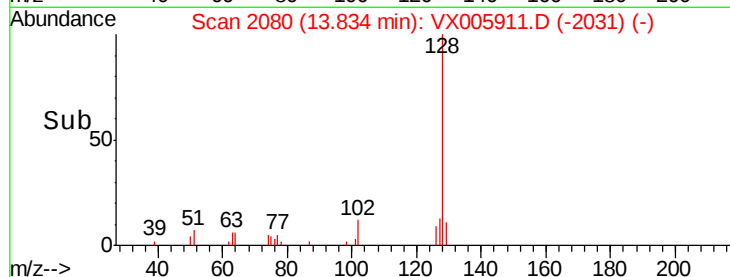
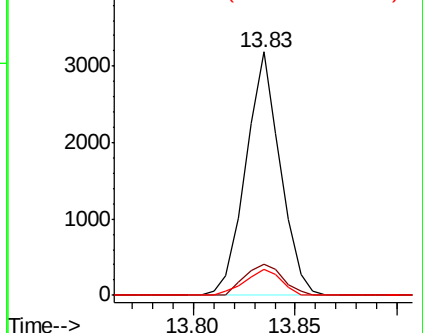
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.011 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005911.D

Acq: 12 Nov 2018 20:00

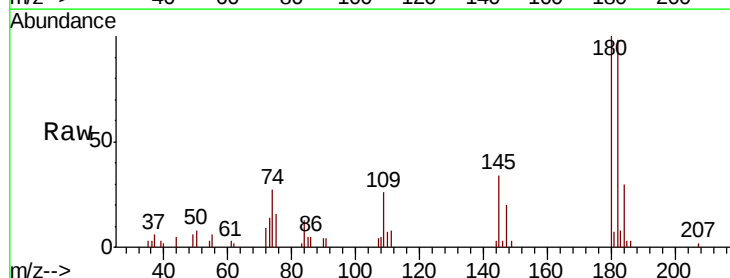
Tgt Ion:180 Resp: 3406

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.2

145 31.4 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

