

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005051.D
 Acq On : 05 Oct 2018 06:44
 Operator : JC/MD
 Sample : J5207-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-3236

Quant Time: Oct 05 07:28:04 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	213283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332971	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184763	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	164851	54.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.22%	
35) Dibromofluoromethane	5.50	113	146720	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
50) Toluene-d8	8.72	98	486355	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.14	95	177555	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	

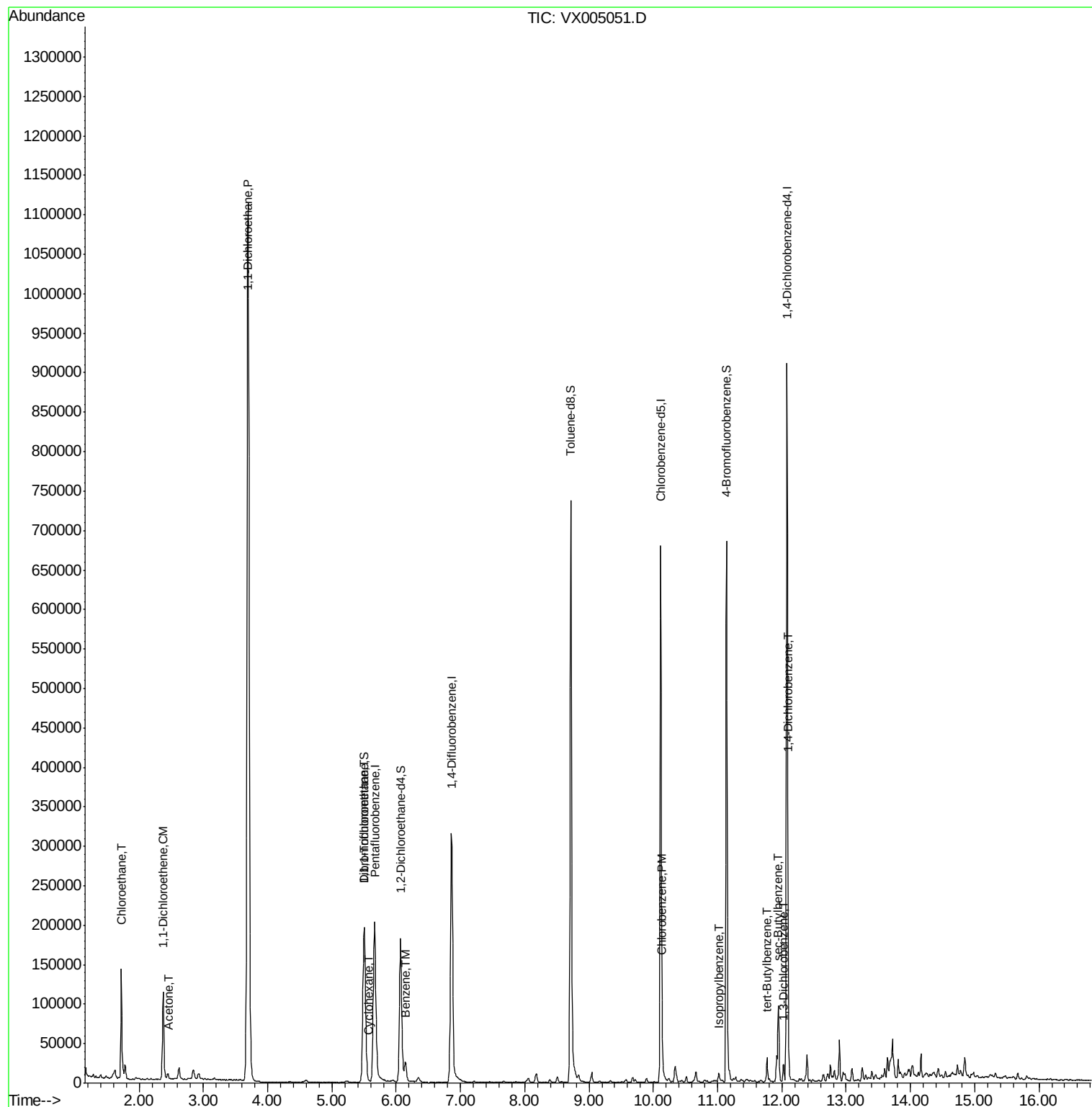
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	95407	53.047	ug/l	96
12) 1,1-Dichloroethene	2.37	96	36007	15.581	ug/l	92
16) Acetone	2.45	43	7456	4.192	ug/l	93
24) 1,1-Dichloroethane	3.69	63	1293283	255.340	ug/l	98
31) Cyclohexane	5.57	56	1037	0.268	ug/l #	48
32) 1,1,1-Trichloroethane	5.50	97	26662	6.820	ug/l	94
40) Benzene	6.14	78	28235	2.342	ug/l #	84
65) Chlorobenzene	10.14	112	6540	0.776	ug/l	100
73) Isopropylbenzene	11.02	105	5443	0.467	ug/l	95
83) tert-Butylbenzene	11.77	119	11201	1.168	ug/l	85
85) sec-Butylbenzene	11.94	105	50654	4.337	ug/l	83
87) 1,3-Dichlorobenzene	12.03	146	7021	1.112	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	30610	4.695	ug/l	94

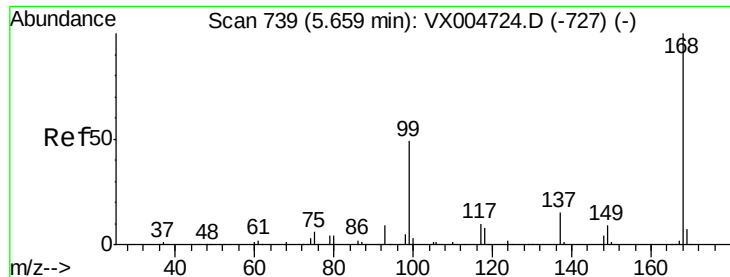
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

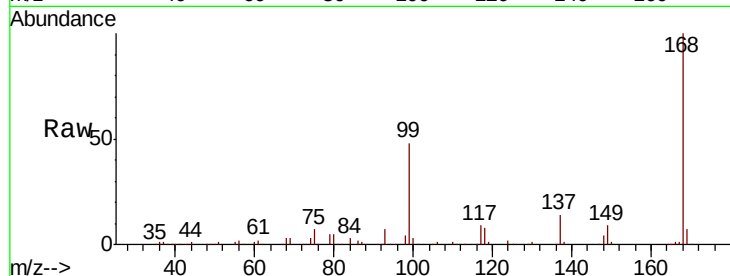
SA-TW510-3236

Tot Ion:168 Resp: 213283

Ion Ratio Lower Upper

168 100

99 47.8 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

80000

60000

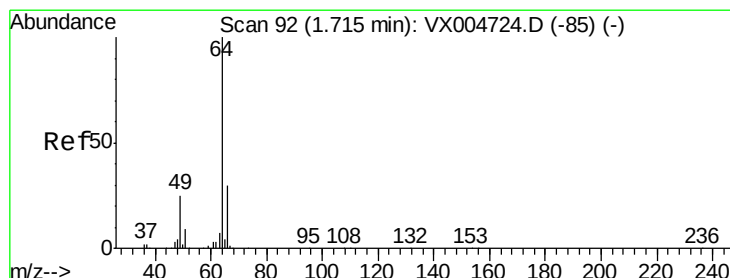
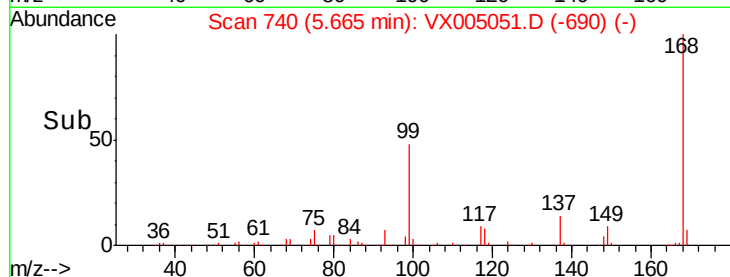
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 53.047 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005051.D

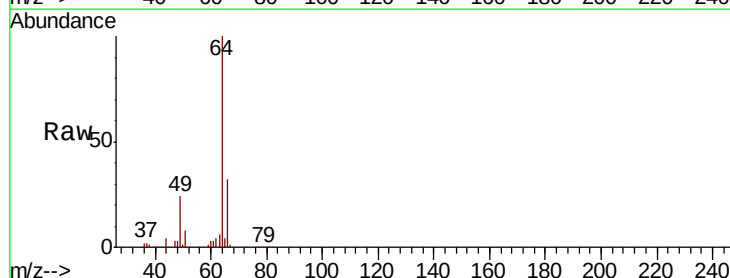
Acq: 05 Oct 2018 06:44

Tgt Ion: 64 Resp: 95407

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

60000

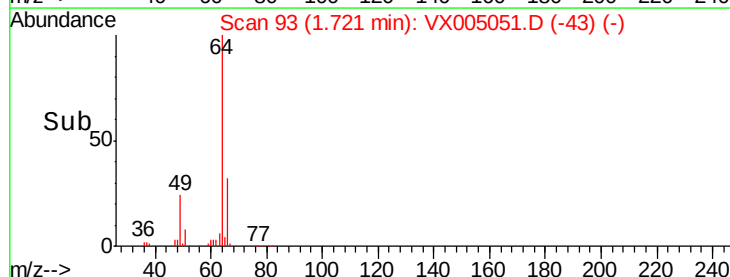
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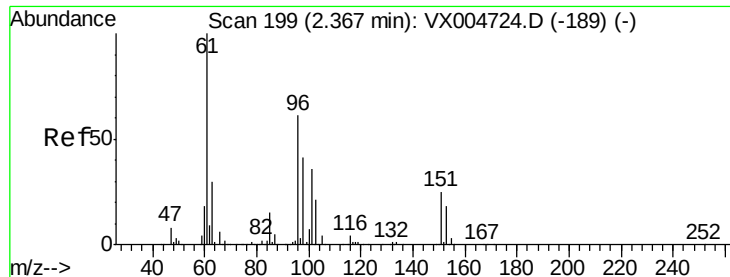
20000

0

Time-->

1.65 1.70 1.75 1.80 1.85





#12

1,1-Dichloroethene

Concen: 15.581 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-3236

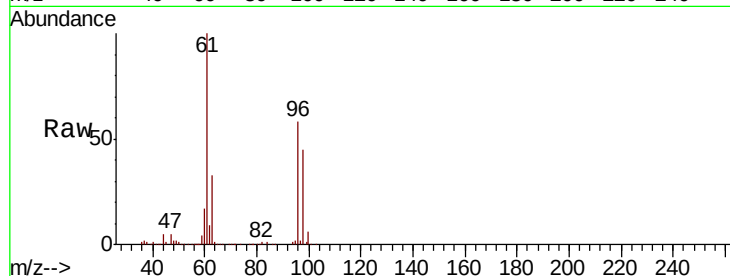
Tot Ion: 96 Resp: 36007

Ion Ratio Lower Upper

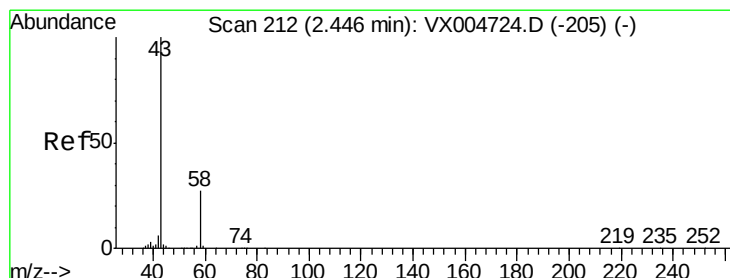
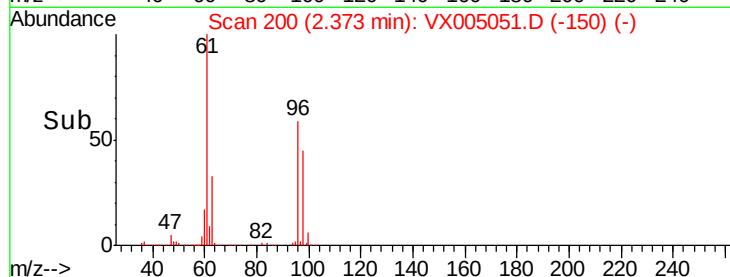
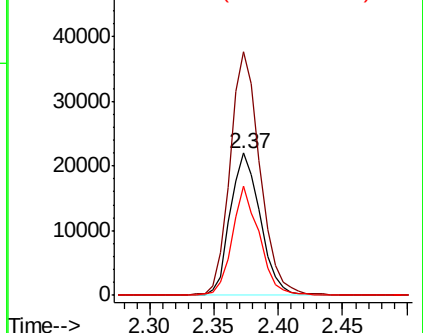
96 100

61 170.9 130.2 195.4

98 76.4 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



#16

Acetone

Concen: 4.192 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005051.D

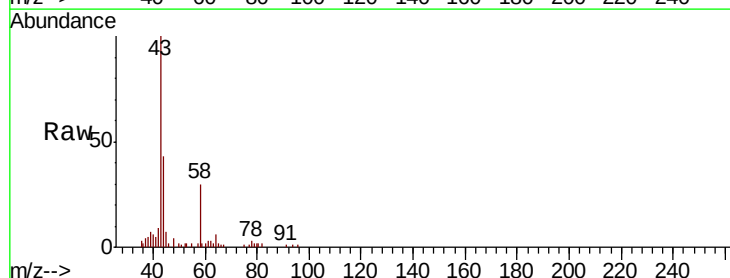
Acq: 05 Oct 2018 06:44

Tgt Ion: 43 Resp: 7456

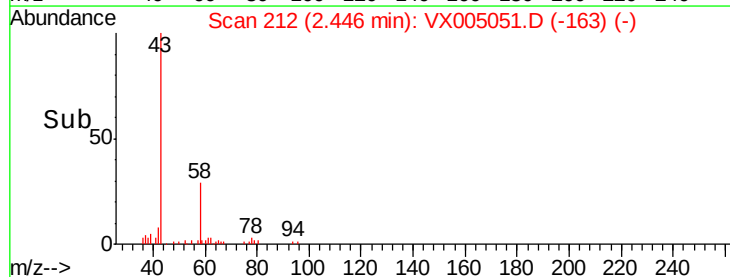
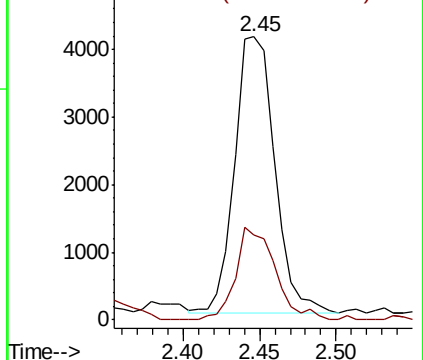
Ion Ratio Lower Upper

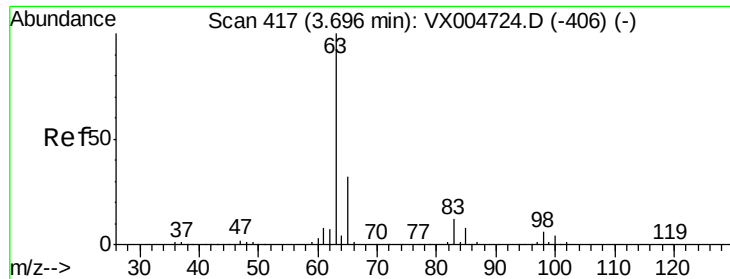
43 100

58 30.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



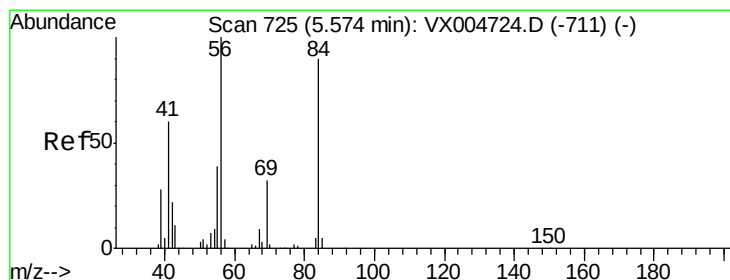
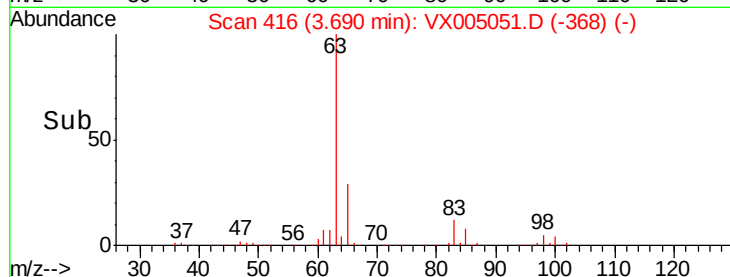
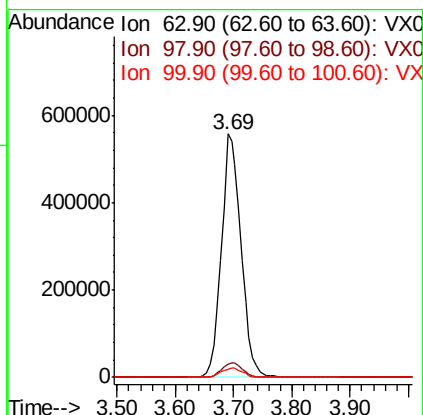
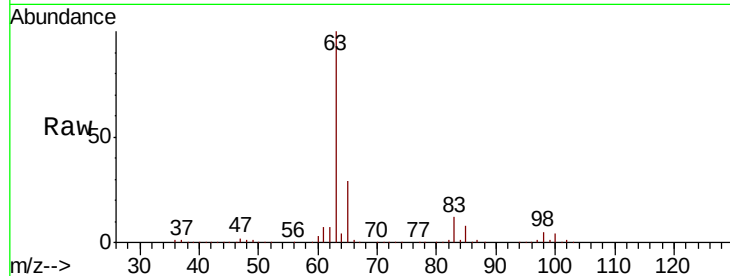


#24
 1,1-Dichloroethane
 Concen: 255.340 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX005051.D
 Acq: 05 Oct 2018 06:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-3236

Tot Ion: 63 Resp: 1293283

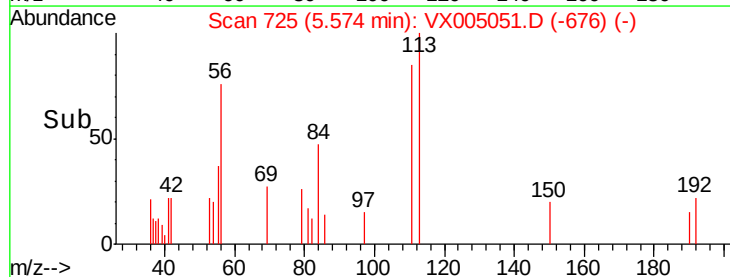
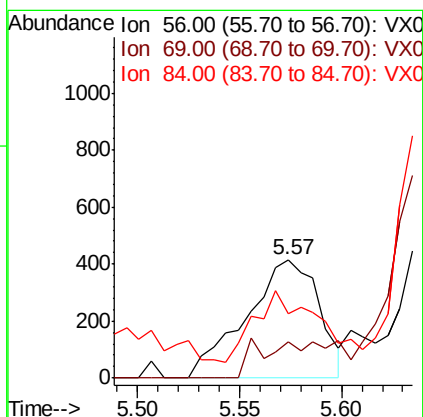
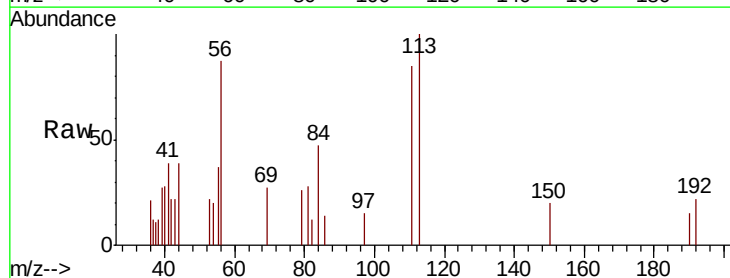
Ion	Ratio	Lower	Upper
63	100		
98	5.4	3.0	9.2
100	3.5	2.0	5.8

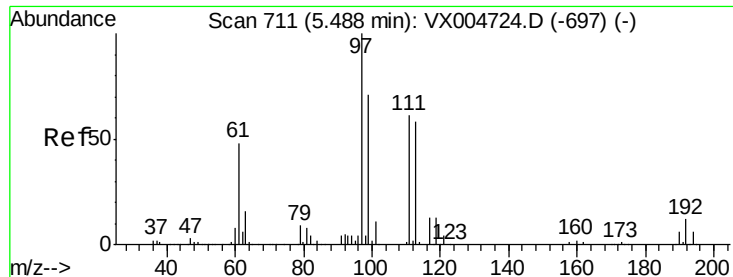


#31
 Cyclohexane
 Concen: 0.268 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VX005051.D
 Acq: 05 Oct 2018 06:44

Tgt Ion: 56 Resp: 1037

Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.9	38.9
84	24.6	71.9	107.9#





#32

1,1,1-Trichloroethane

Concen: 6.820 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-3236

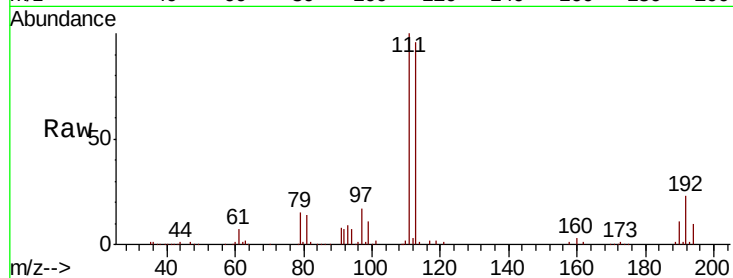
Tot Ion: 97 Resp: 26662

Ion Ratio Lower Upper

97 100

99 64.4 54.6 82.0

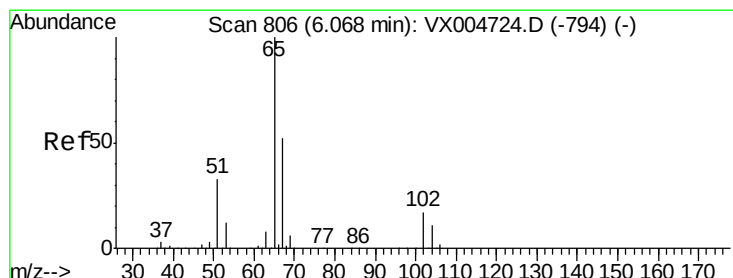
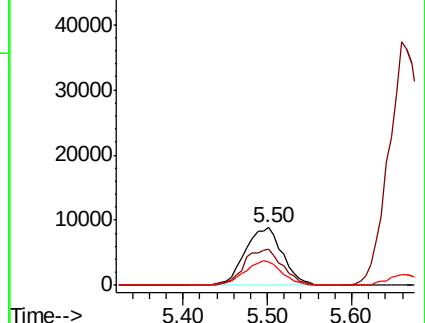
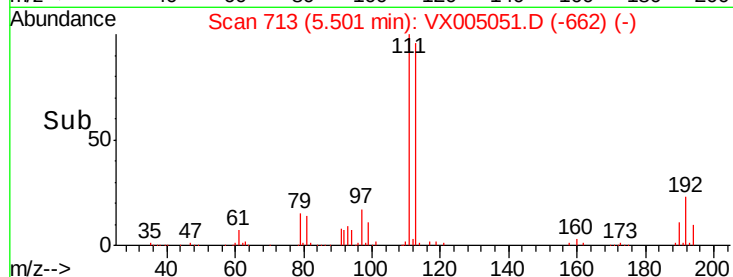
61 42.3 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 54.107 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005051.D

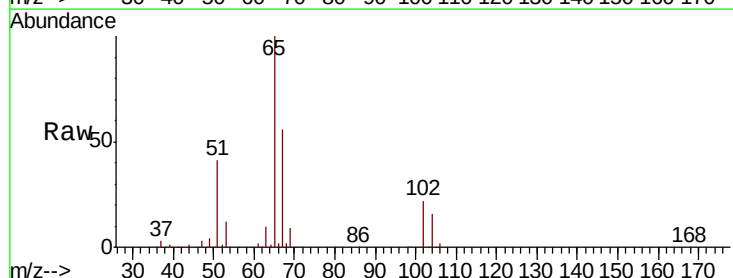
Acq: 05 Oct 2018 06:44

Tgt Ion: 65 Resp: 164851

Ion Ratio Lower Upper

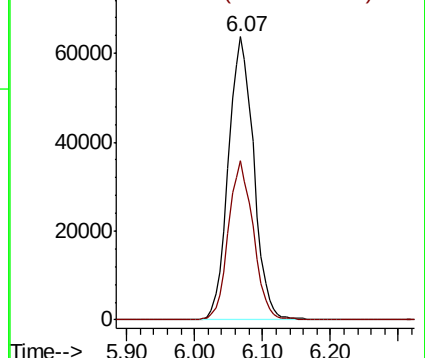
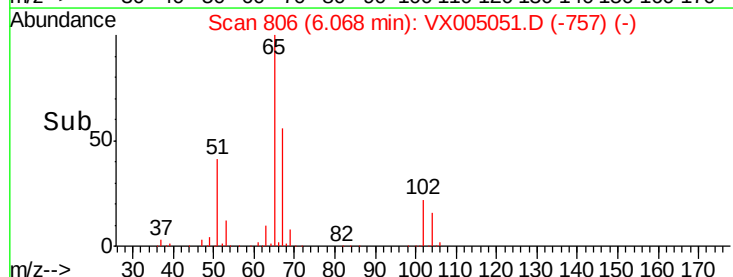
65 100

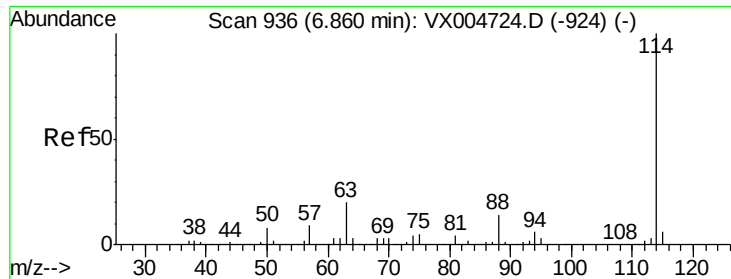
67 55.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

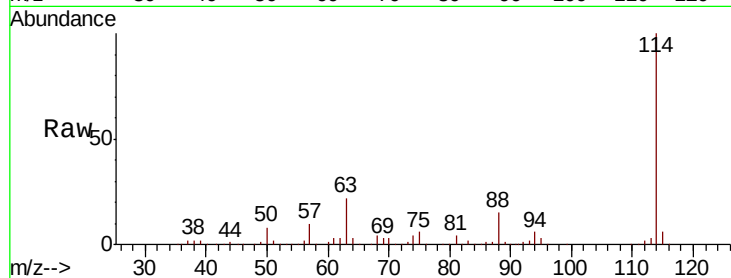




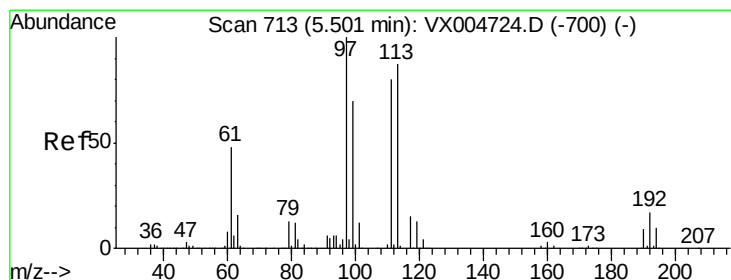
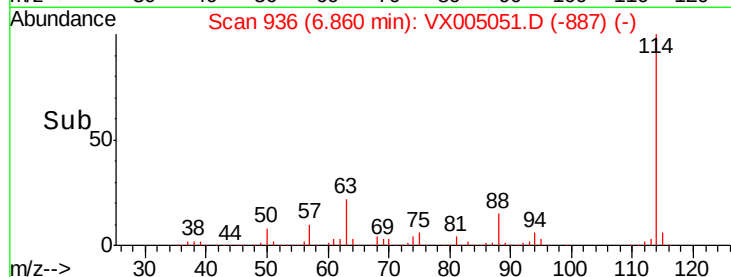
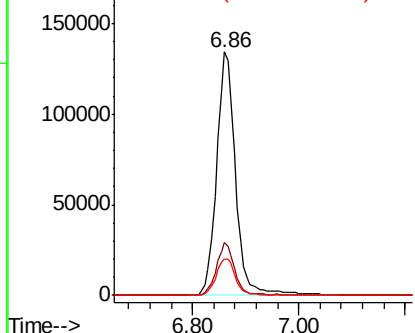
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005051.D
 Acq: 05 Oct 2018 06:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW510-3236

Tot Ion:114 Resp: 332971
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.8
 88 15.0 0.0 27.0

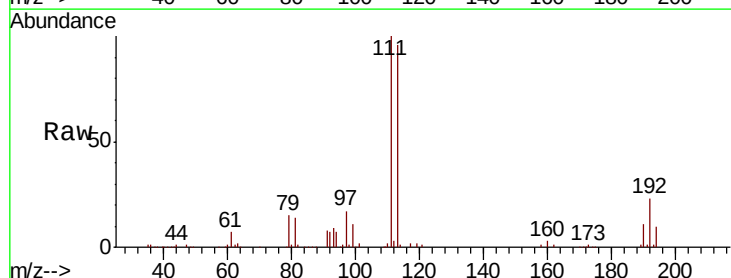


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

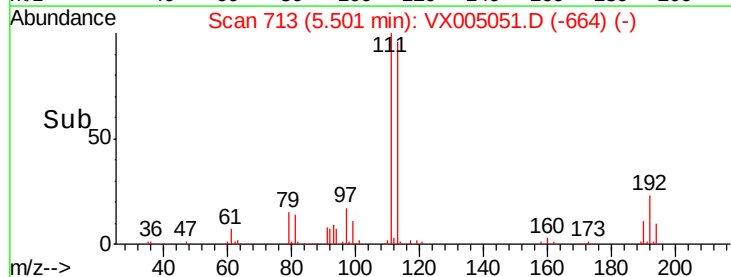
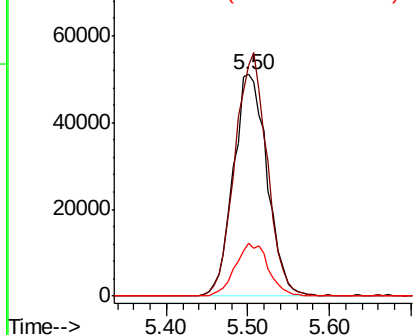


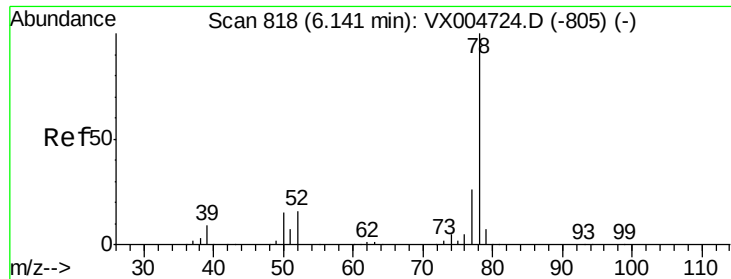
#35
 Dibromofluoromethane
 Concen: 51.992 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005051.D
 Acq: 05 Oct 2018 06:44

Tgt Ion:113 Resp: 146720
 Ion Ratio Lower Upper
 113 100
 111 104.7 77.0 115.4
 192 23.3 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





#40

Benzene

Concen: 2.342 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

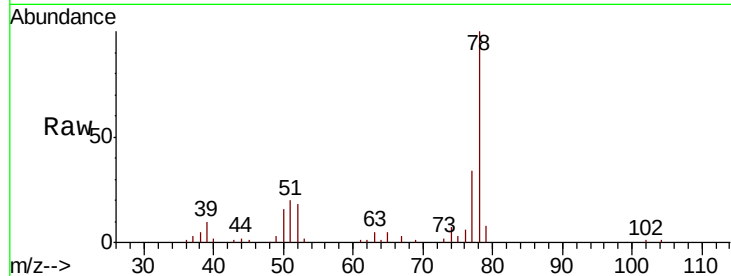
SA-TW510-3236

Tot Ion: 78 Resp: 28235

Ion Ratio Lower Upper

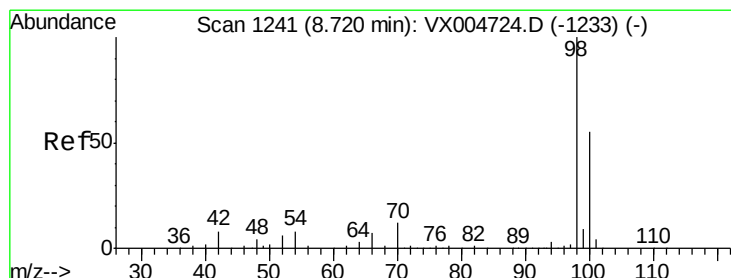
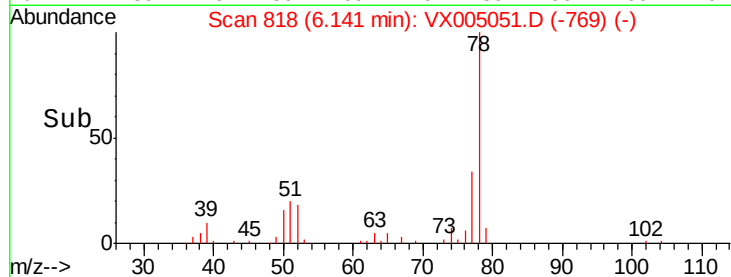
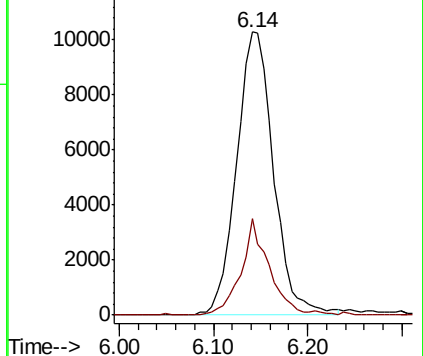
78 100

77 34.3 21.0 31.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.841 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005051.D

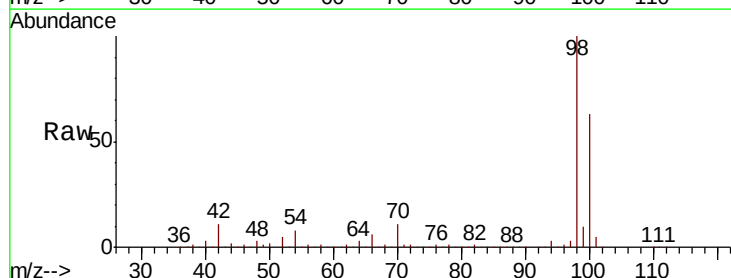
Acq: 05 Oct 2018 06:44

Tgt Ion: 98 Resp: 486355

Ion Ratio Lower Upper

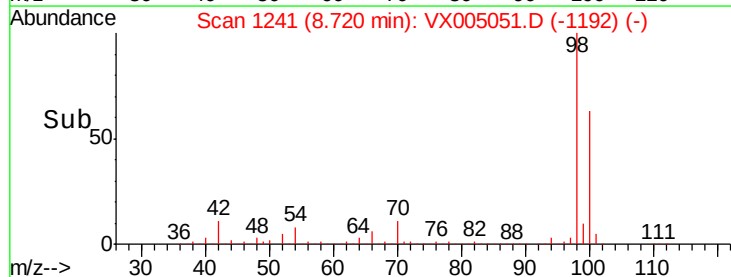
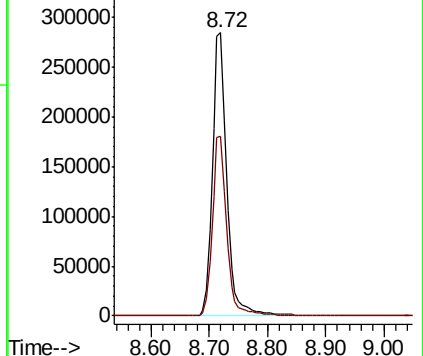
98 100

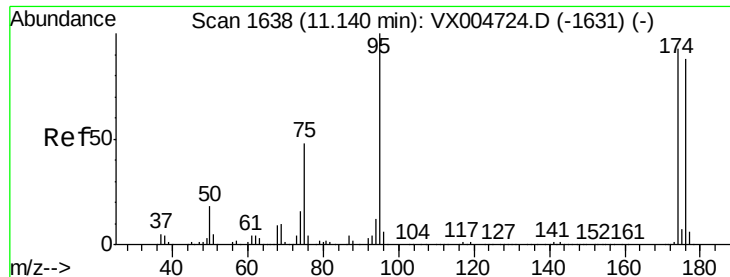
100 63.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.534 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-3236

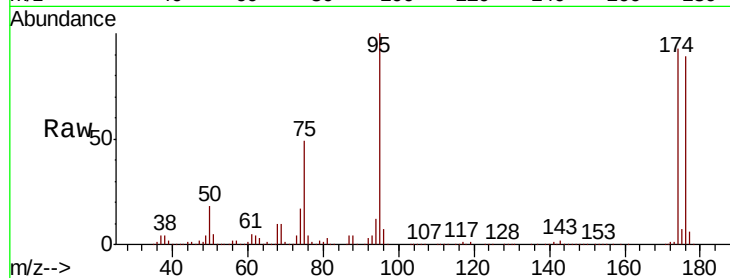
Tot Ion: 95 Resp: 177555

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.0

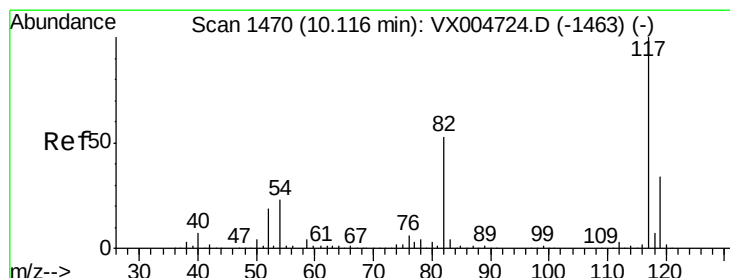
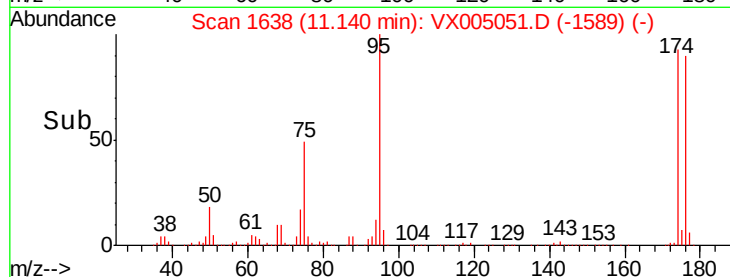
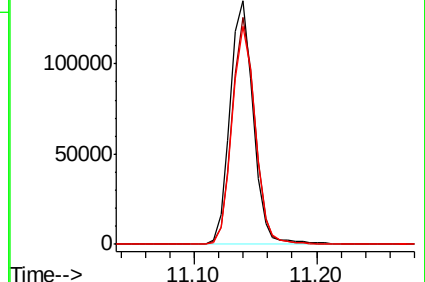
176 88.7 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

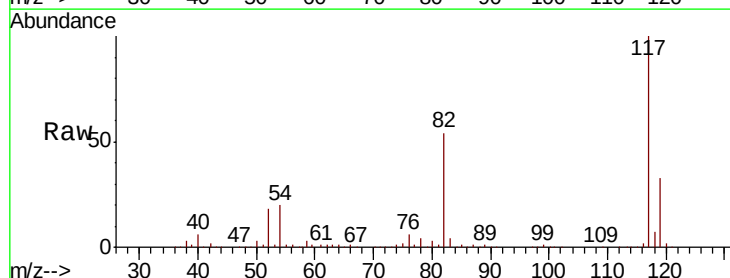
Tgt Ion: 117 Resp: 328459

Ion Ratio Lower Upper

117 100

82 54.1 42.2 63.4

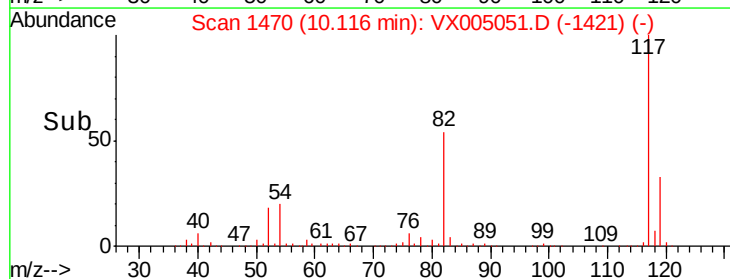
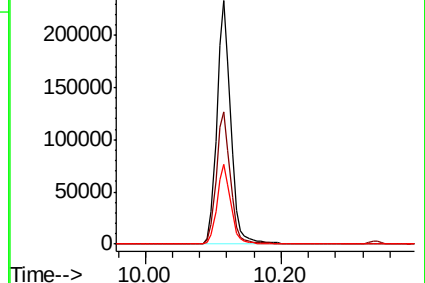
119 32.8 27.4 41.0

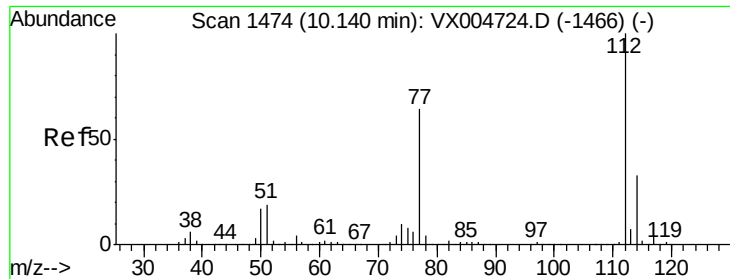


Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

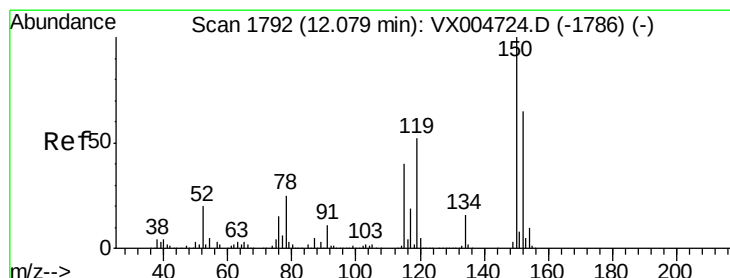
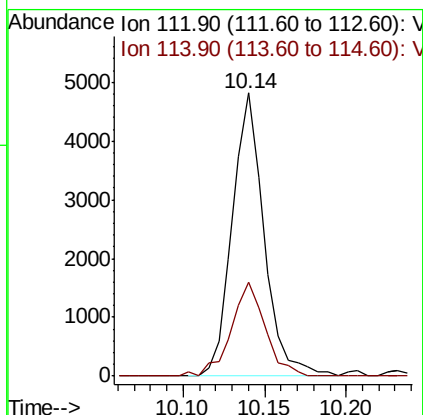
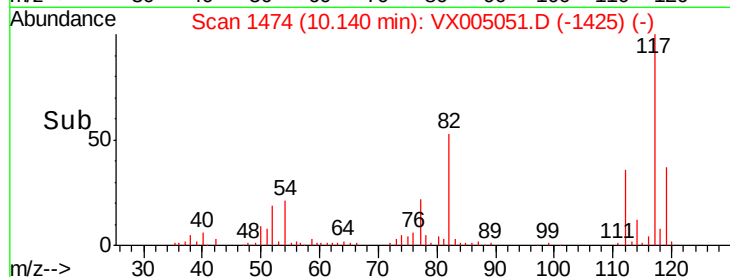
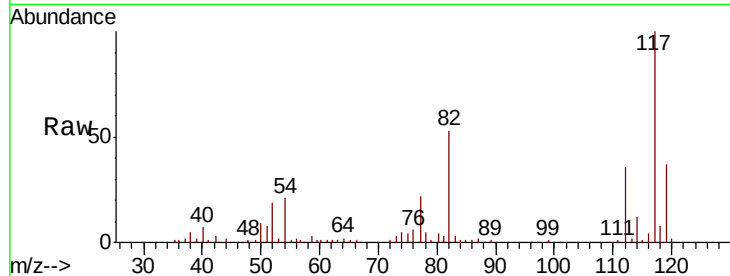




#65
Chlorobenzene
Concen: 0.776 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005051.D
Acq: 05 Oct 2018 06:44

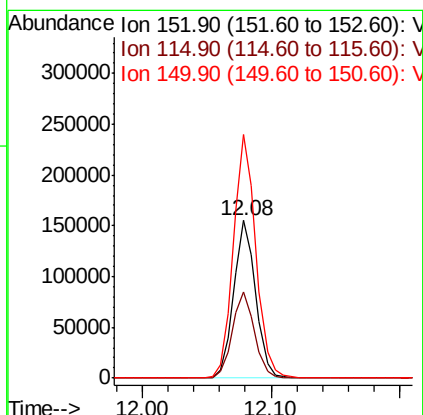
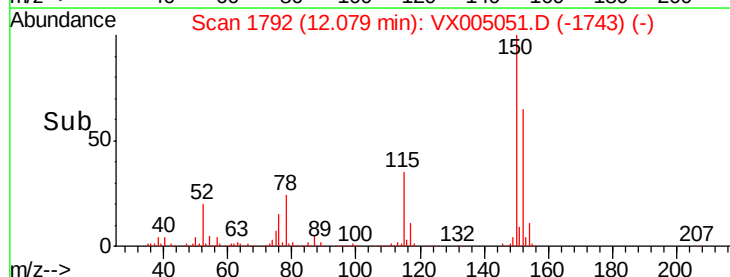
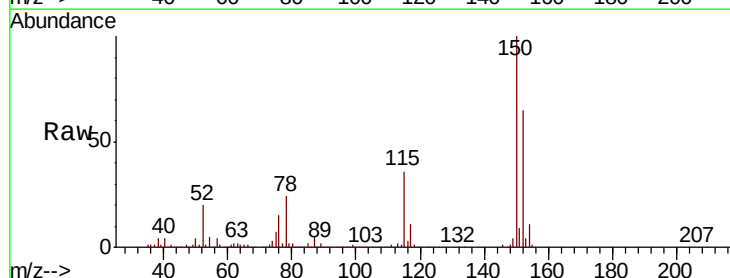
Instrument :
MSVOA_X
ClientSampleId :
SA-TW510-3236

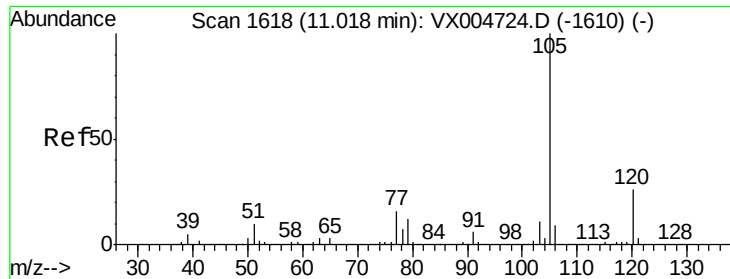
Tot Ion:112 Resp: 6540
Ion Ratio Lower Upper
112 100
114 33.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005051.D
Acq: 05 Oct 2018 06:44

Tgt Ion:152 Resp: 184763
Ion Ratio Lower Upper
152 100
115 55.3 40.2 120.6
150 158.0 0.0 351.0





#73

Isopropylbenzene

Concen: 0.467 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

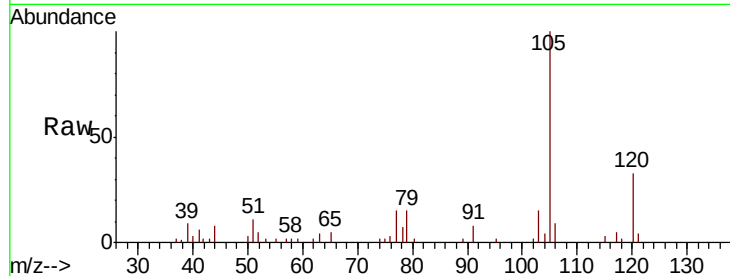
SA-TW510-3236

Tot Ion:105 Resp: 5443

Ion Ratio Lower Upper

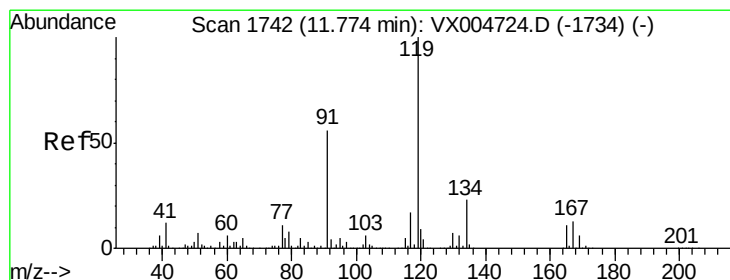
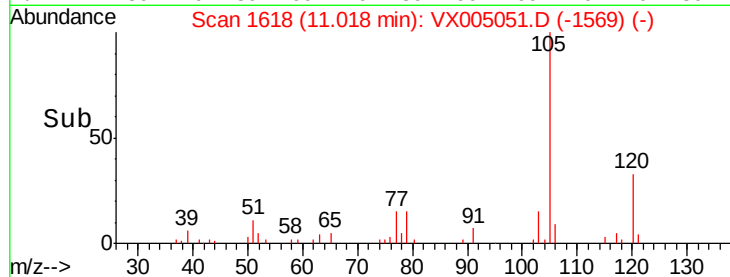
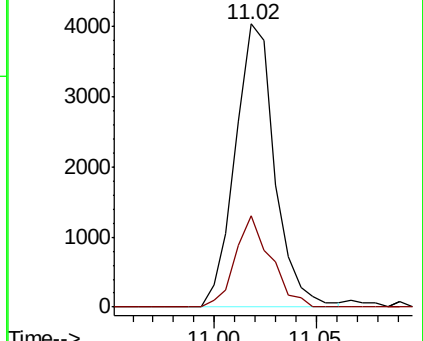
105 100

120 28.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.168 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

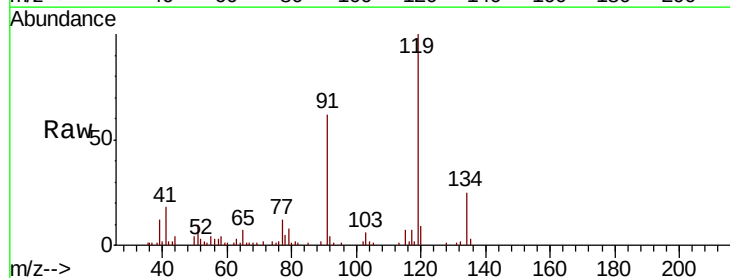
Tgt Ion:119 Resp: 11201

Ion Ratio Lower Upper

119 100

91 69.3 27.5 82.5

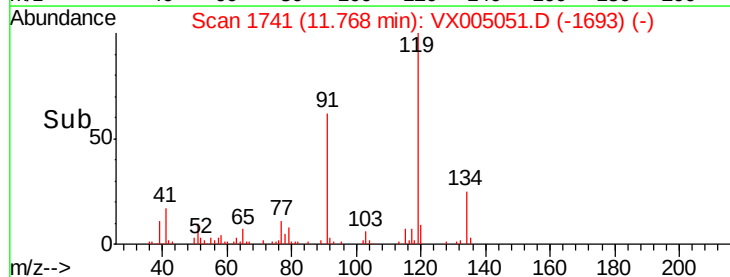
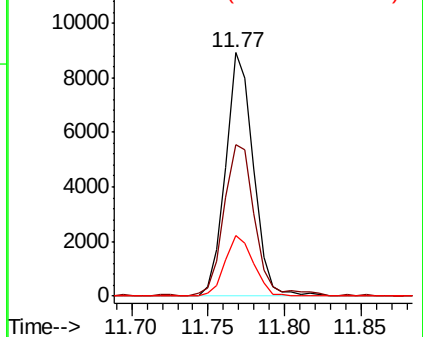
134 25.3 11.5 34.4

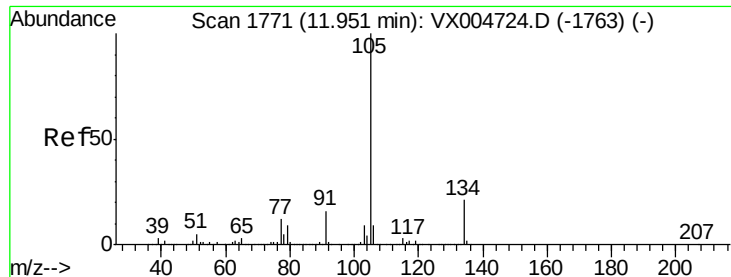


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#85

sec-Butylbenzene

Concen: 4.337 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

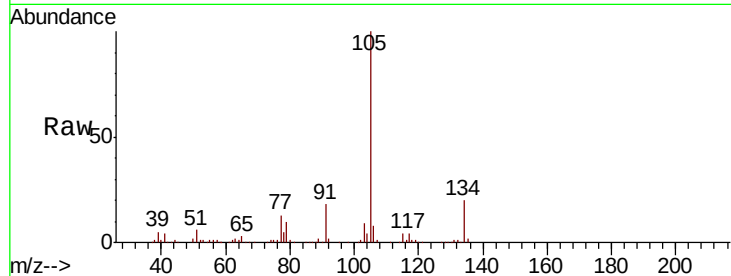
SA-TW510-3236

Tot Ion:105 Resp: 50654

Ion Ratio Lower Upper

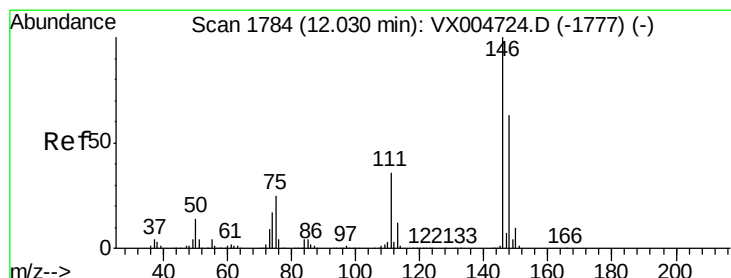
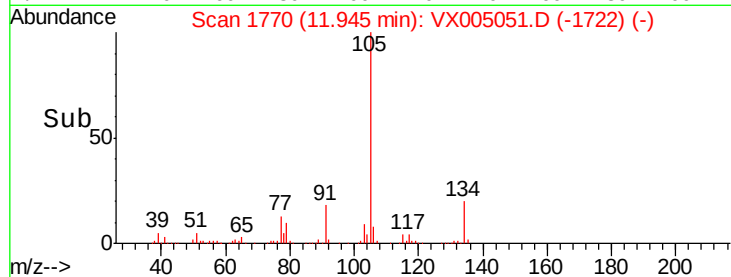
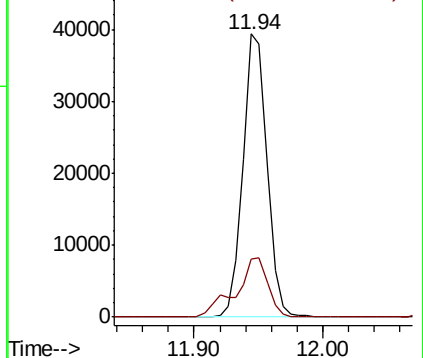
105 100

134 27.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 1.112 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

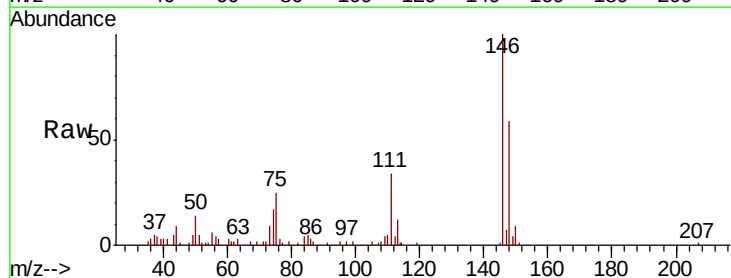
Tgt Ion:146 Resp: 7021

Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.9

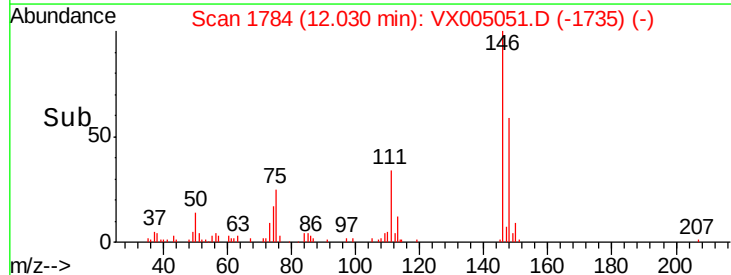
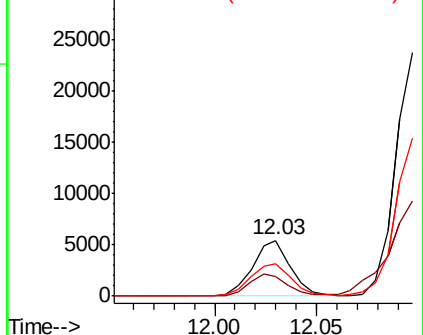
148 62.4 31.8 95.3

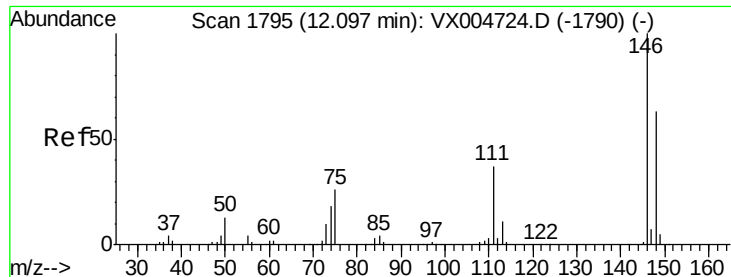


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 4.695 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005051.D

Acq: 05 Oct 2018 06:44

Instrument :

MSVOA_X

ClientSampleId :

SA-TW510-3236

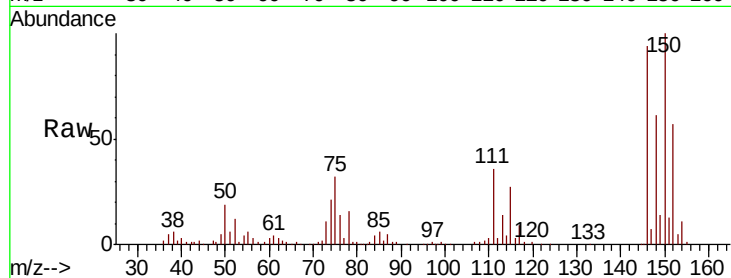
Tot Ion:146 Resp: 30610

Ion Ratio Lower Upper

146 100

111 44.0 18.4 55.2

148 65.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

