

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009870.D
 Acq On : 23 May 2019 19:48
 Operator : JC/SP
 Sample : K3000-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0157

Quant Time: May 24 05:17:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	284352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112386	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118358	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	5.50	113	85880	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.71	98	358558	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.13	95	124145	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

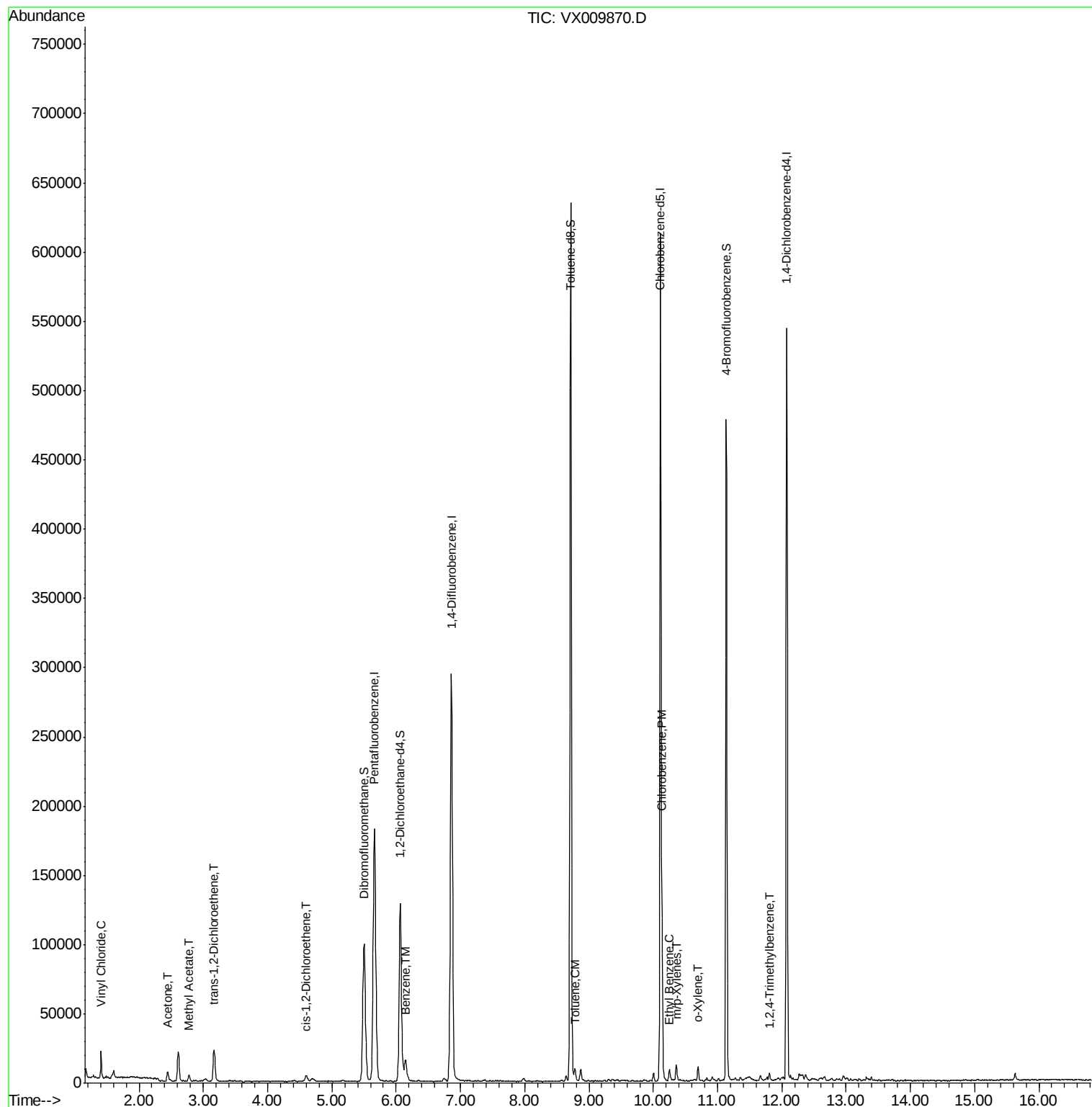
					Qvalue
4) Vinyl Chloride	1.41	62	13057	6.007	ug/l 98
16) Acetone	2.45	43	7474	5.755	ug/l 97
18) Methyl Acetate	2.78	43	5659	1.832	ug/l 99
21) trans-1,2-Dichloroethene	3.17	96	9219	5.114	ug/l 94
27) cis-1,2-Dichloroethene	4.60	96	2305	1.071	ug/l 94
40) Benzene	6.15	78	17310	2.117	ug/l 97
52) Toluene	8.78	92	1513	0.304	ug/l 91
65) Chlorobenzene	10.13	112	38569	7.543	ug/l 97
67) Ethyl Benzene	10.25	91	4750	0.505	ug/l 99
68) m/p-Xylenes	10.36	106	2416	0.703	ug/l 95
69) o-Xylene	10.69	106	2147	0.633	ug/l 92
84) 1,2,4-Trimethylbenzene	11.80	105	1915	0.277	ug/l 91

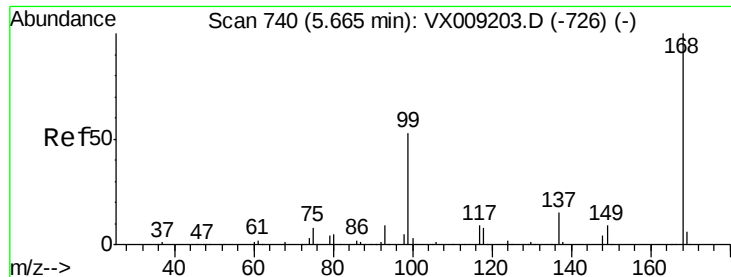
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 24 05:17:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

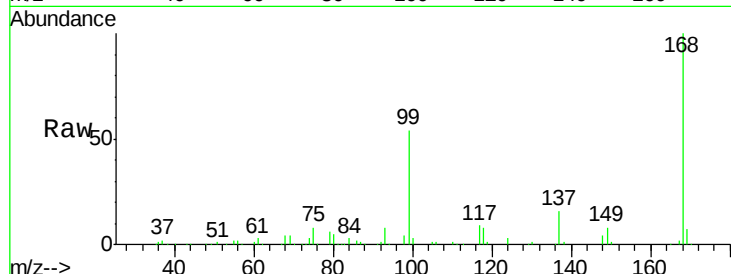
S36-0157

Tot Ion:168 Resp: 177172

Ion Ratio Lower Upper

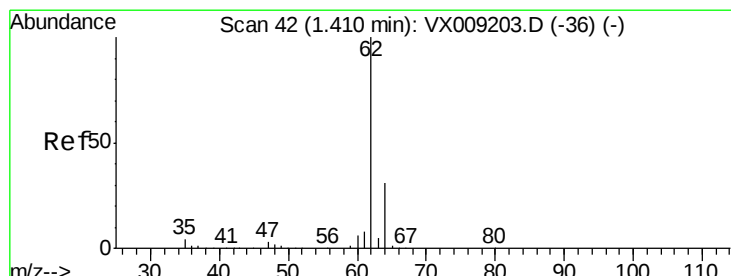
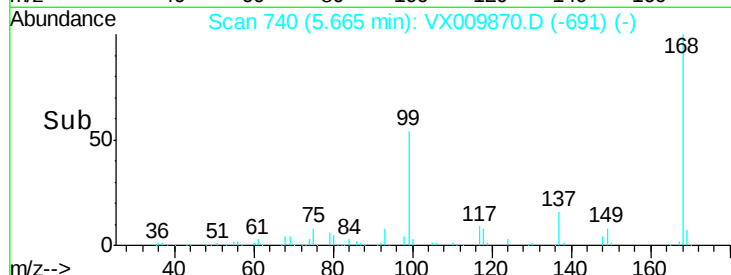
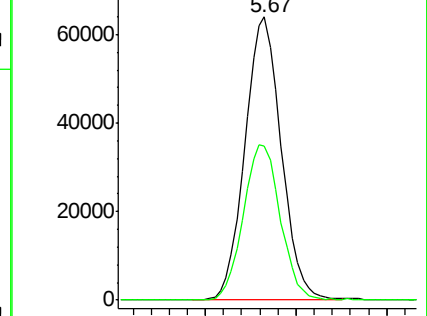
168 100

99 54.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 6.007 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009870.D

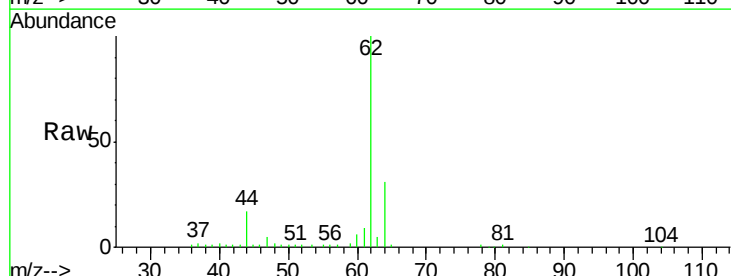
Acq: 23 May 2019 19:48

Tgt Ion: 62 Resp: 13057

Ion Ratio Lower Upper

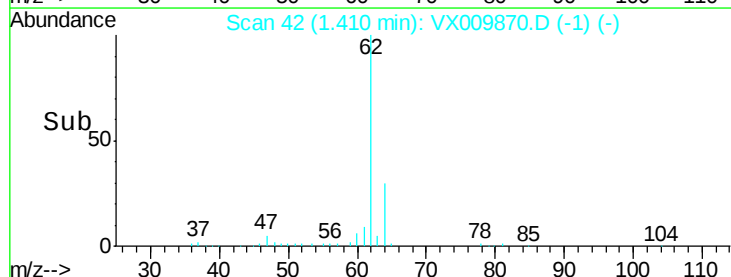
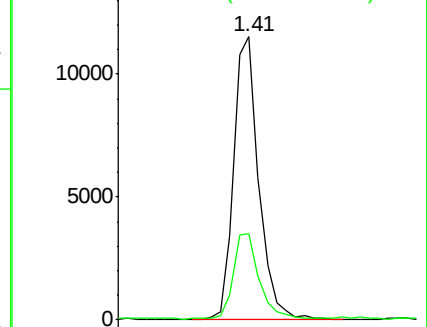
62 100

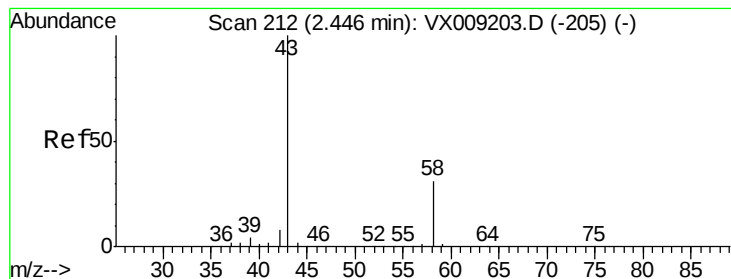
64 29.8 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 5.755 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

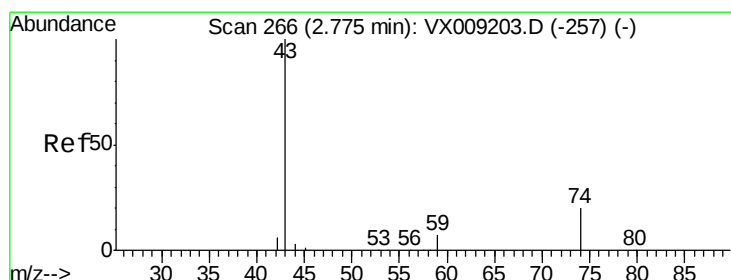
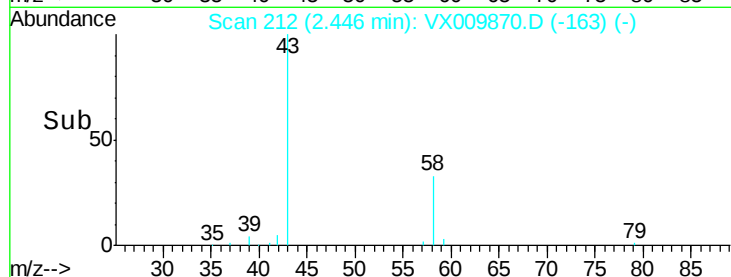
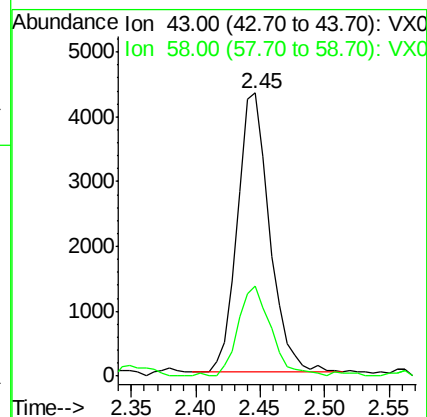
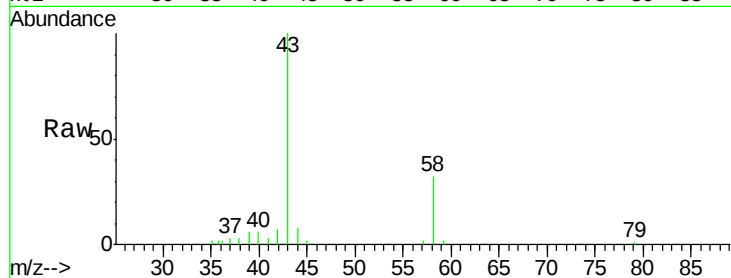
S36-0157

Tot Ion: 43 Resp: 7474

Ion Ratio Lower Upper

43 100

58 32.5 24.9 37.3



#18

Methyl Acetate

Concen: 1.832 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009870.D

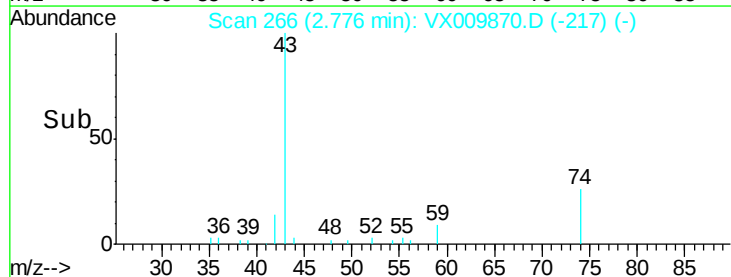
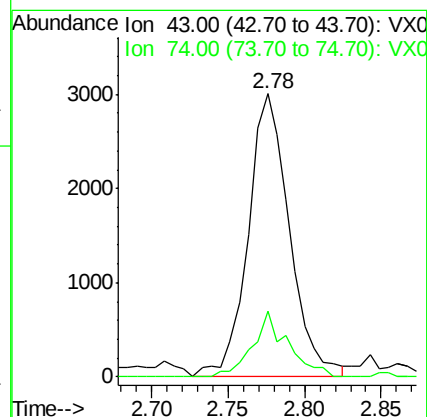
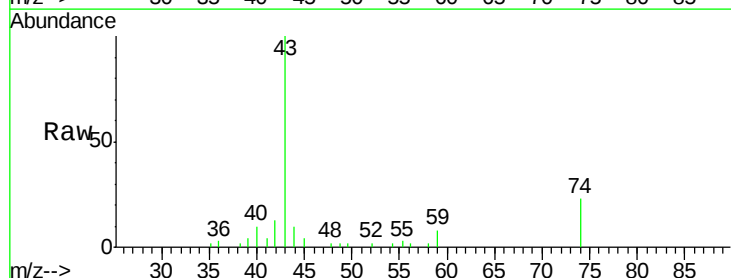
Acq: 23 May 2019 19:48

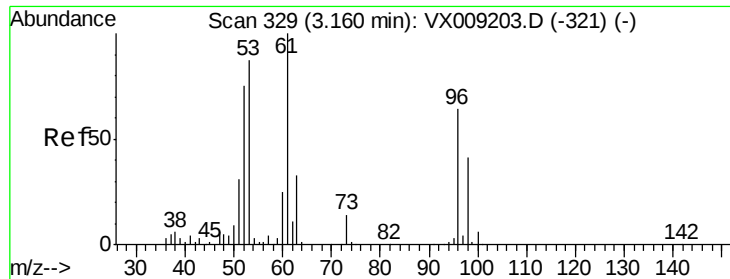
Tgt Ion: 43 Resp: 5659

Ion Ratio Lower Upper

43 100

74 19.7 16.2 24.4





#21

trans-1,2-Dichloroethene

Concen: 5.114 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0157

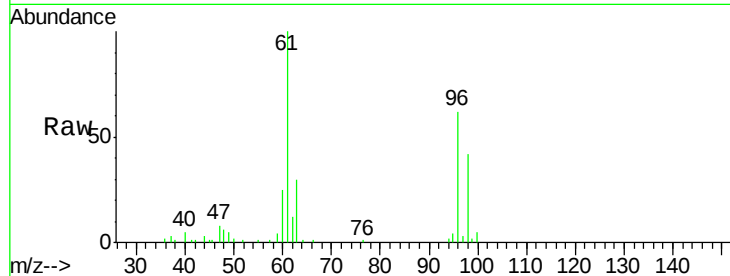
Tot Ion: 96 Resp: 9219

Ion Ratio Lower Upper

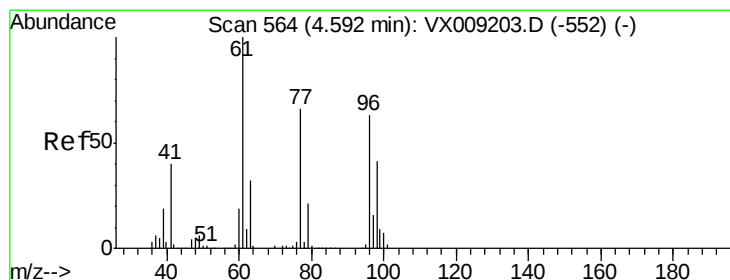
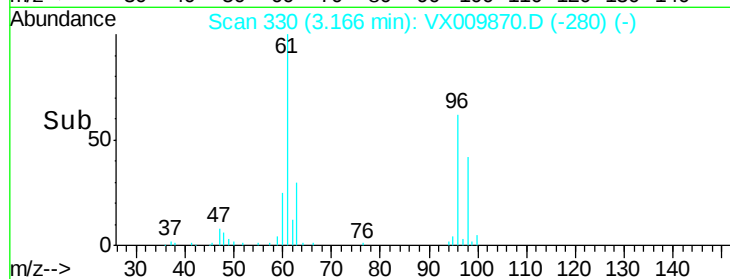
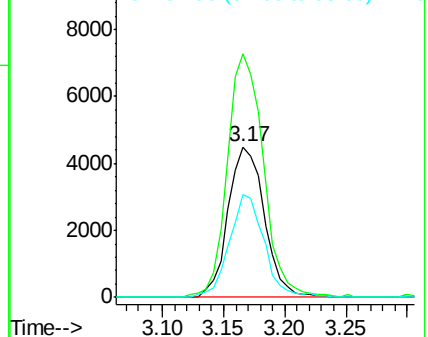
96 100

61 161.9 124.5 186.7

98 68.6 50.4 75.6



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



#27

cis-1,2-Dichloroethene

Concen: 1.071 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

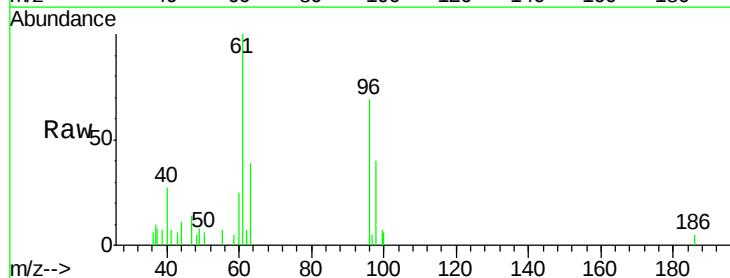
Tgt Ion: 96 Resp: 2305

Ion Ratio Lower Upper

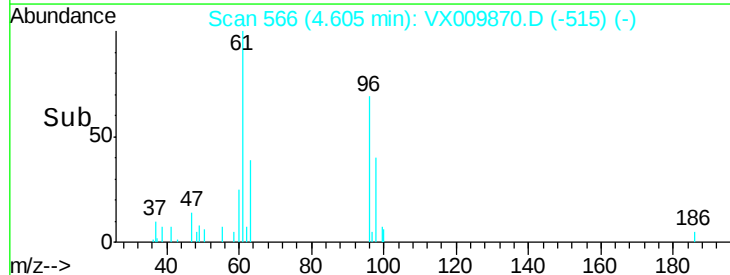
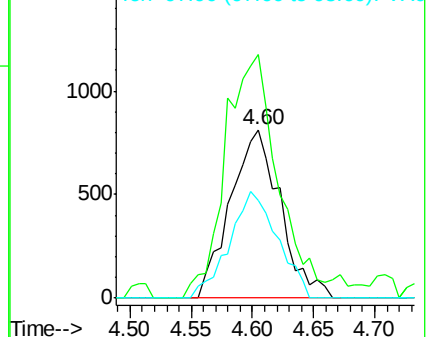
96 100

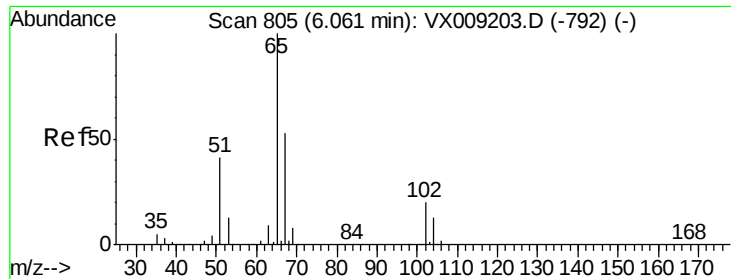
61 152.7 0.0 324.0

98 61.0 0.0 130.4



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

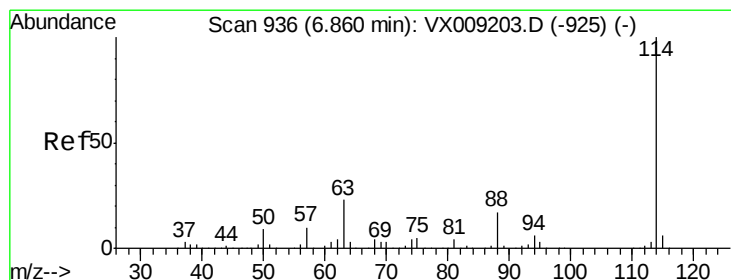
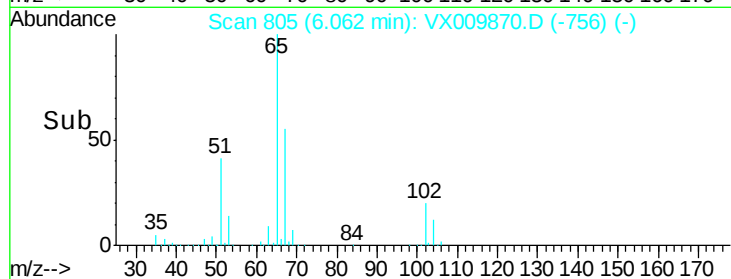
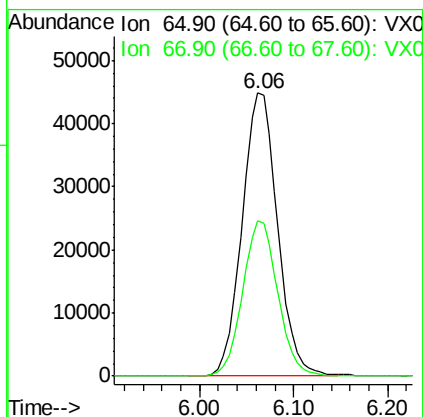
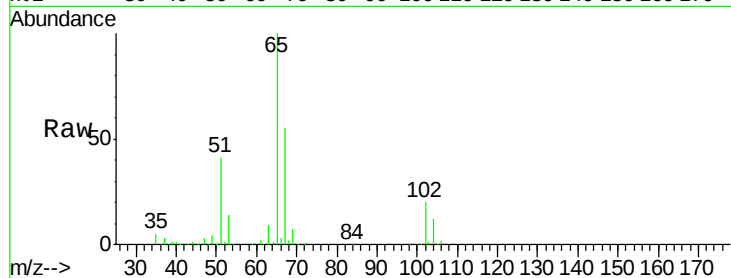




#33
 1,2-Dichloroethane-d4
 Concen: 48.936 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009870.D
 Acq: 23 May 2019 19:48

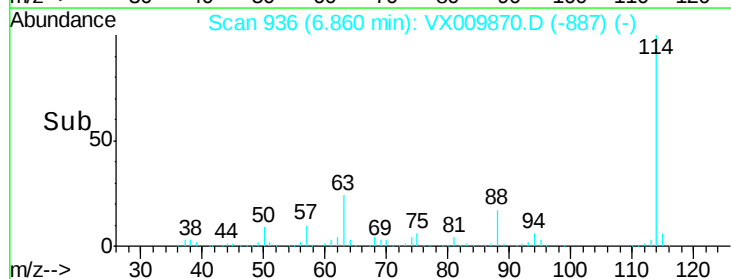
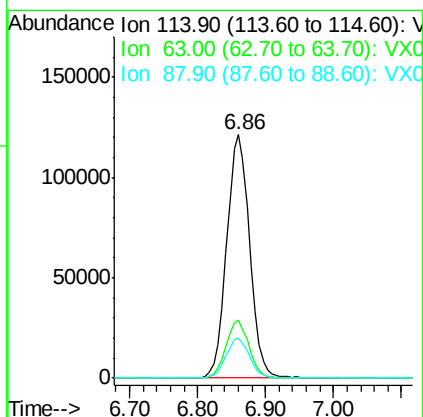
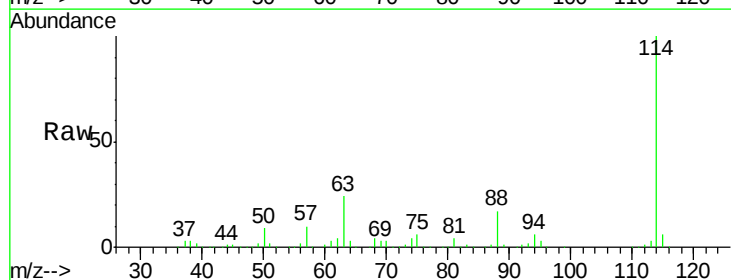
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0157

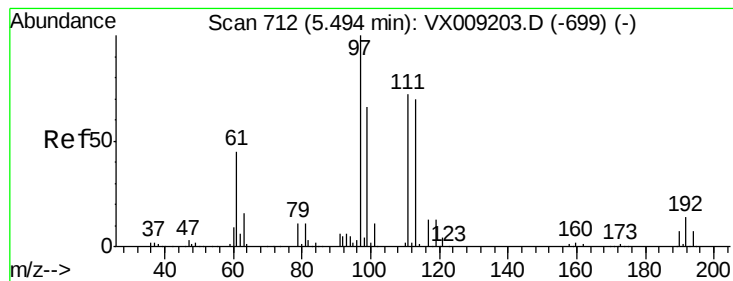
Tot Ion: 65 Resp: 118358
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009870.D
 Acq: 23 May 2019 19:48

Tgt Ion: 114 Resp: 284352
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.6
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.043 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0157

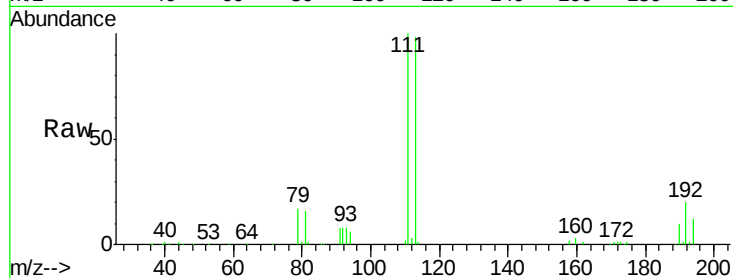
Tot Ion:113 Resp: 85880

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

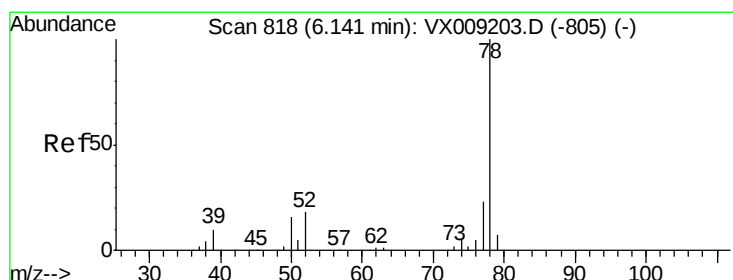
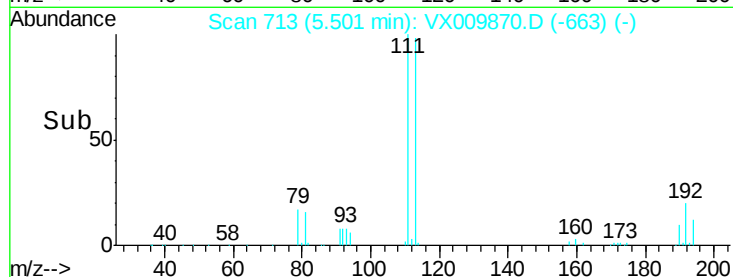
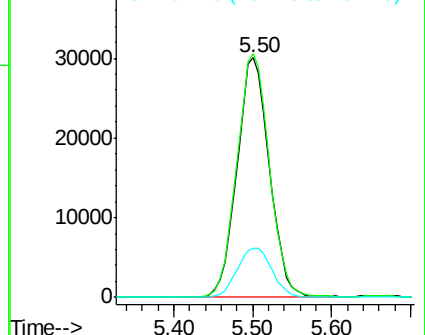
192 22.0 17.0 25.6



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: 2.117 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX009870.D

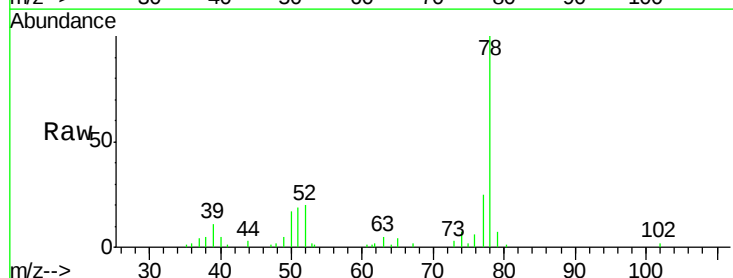
Acq: 23 May 2019 19:48

Tgt Ion: 78 Resp: 17310

Ion Ratio Lower Upper

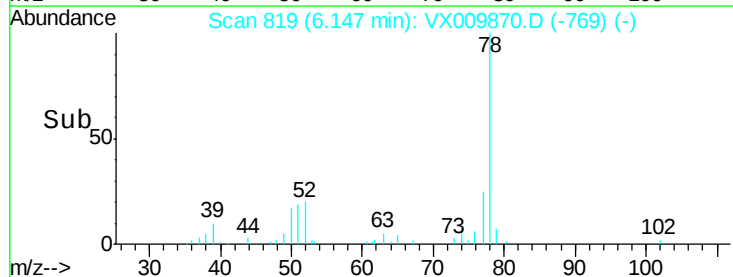
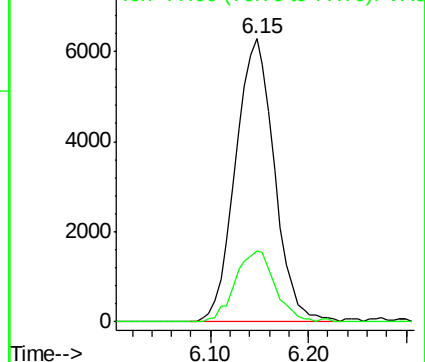
78 100

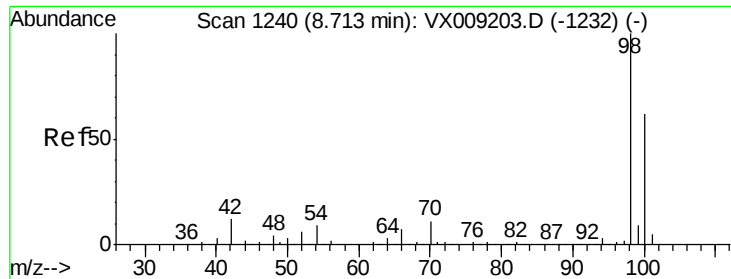
77 25.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

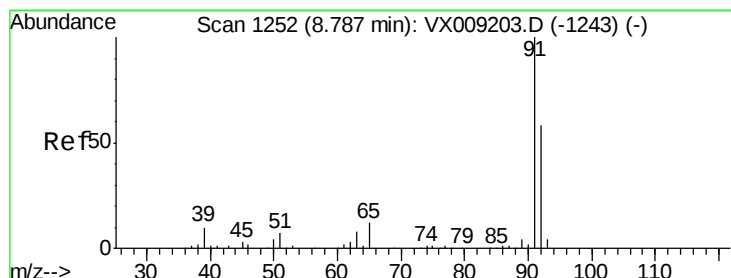
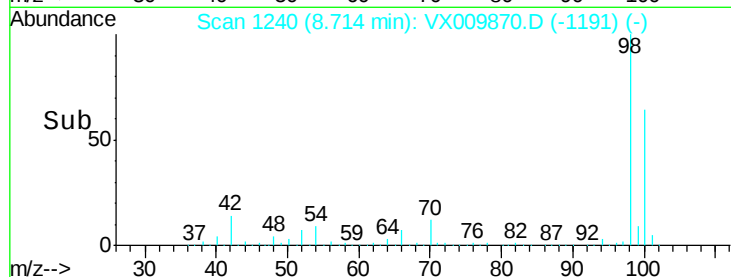
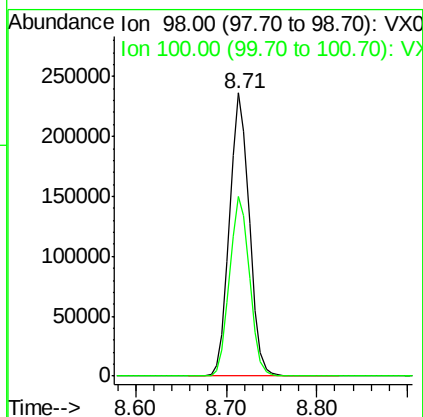
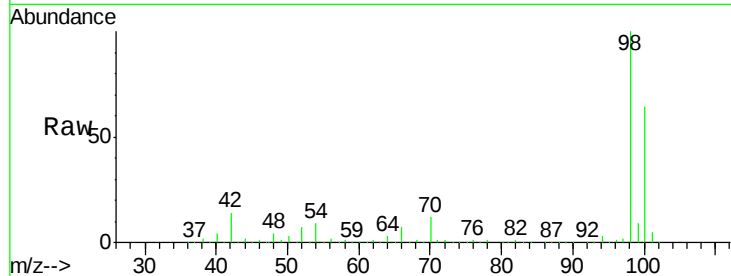




#50
Toluene-d8
Concen: 49.684 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009870.D
Acq: 23 May 2019 19:48

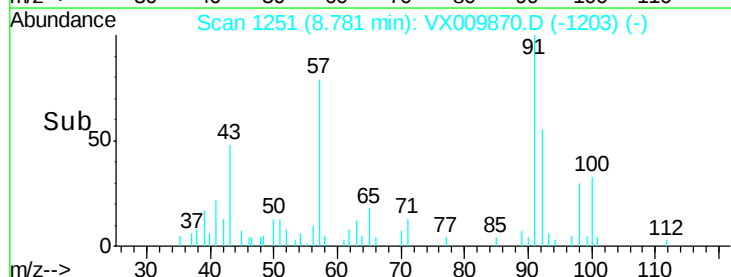
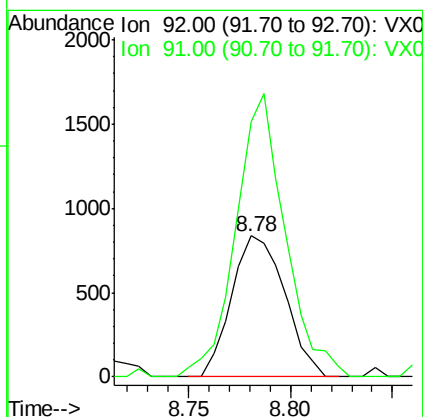
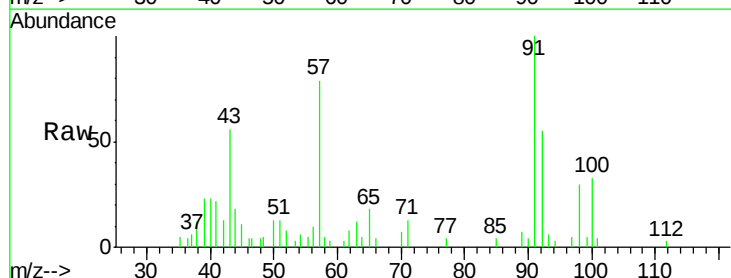
Instrument :
MSVOA_X
ClientSampled :
S36-0157

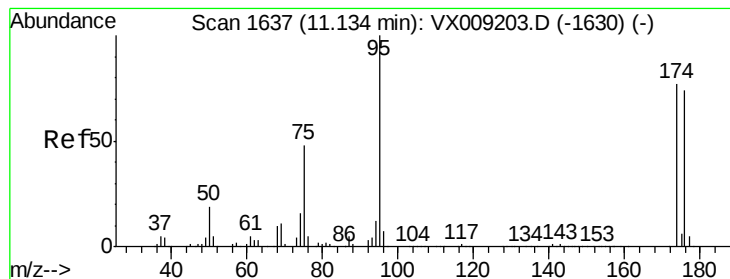
Tot Ion: 98 Resp: 358558
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#52
Toluene
Concen: 0.304 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009870.D
Acq: 23 May 2019 19:48

Tgt Ion: 92 Resp: 1513
Ion Ratio Lower Upper
92 100
91 186.6 138.8 208.2





#62

4-Bromofluorobenzene

Concen: 47.342 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampled :

S36-0157

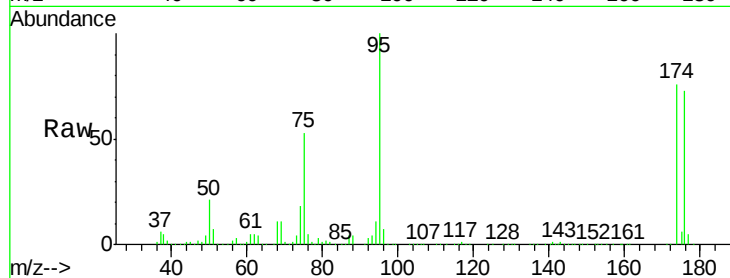
Tot Ion: 95 Resp: 124145

Ion Ratio Lower Upper

95 100

174 80.4 0.0 161.6

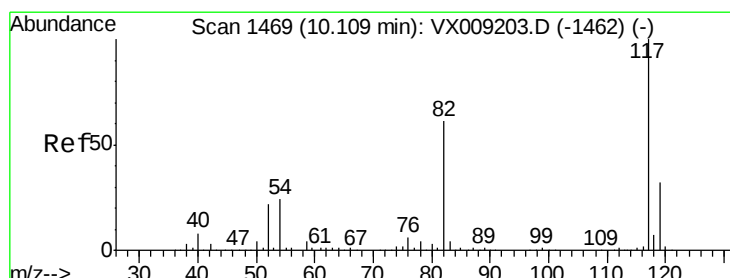
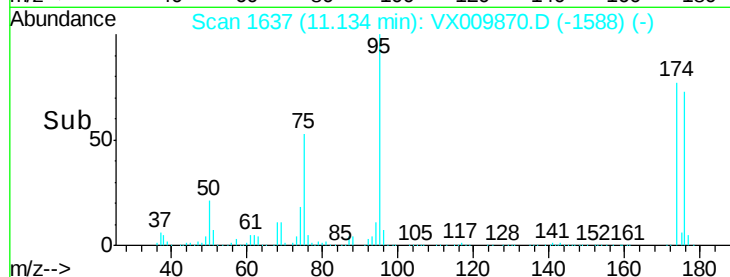
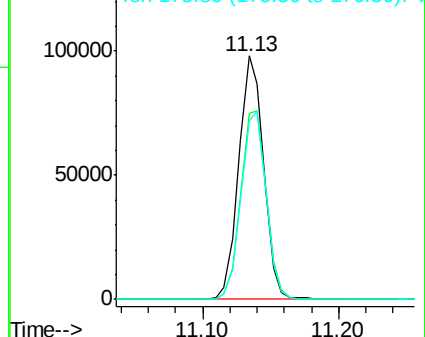
176 78.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009870.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009870.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009870.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

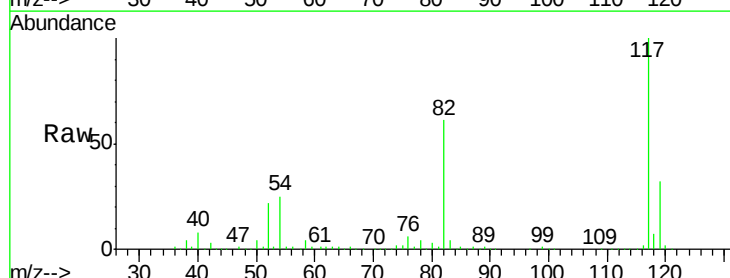
Tgt Ion: 117 Resp: 255596

Ion Ratio Lower Upper

117 100

82 60.7 48.8 73.2

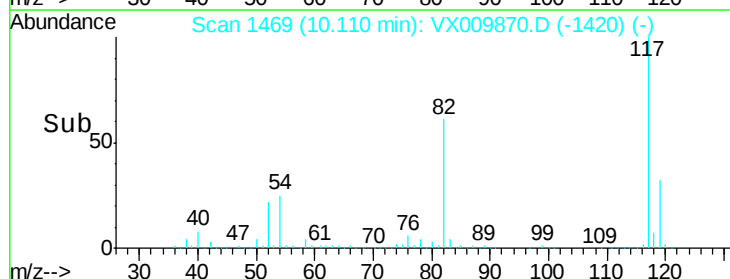
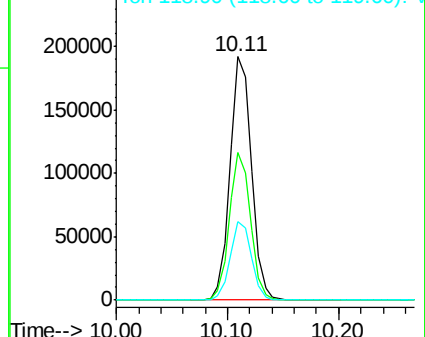
119 32.1 25.8 38.6

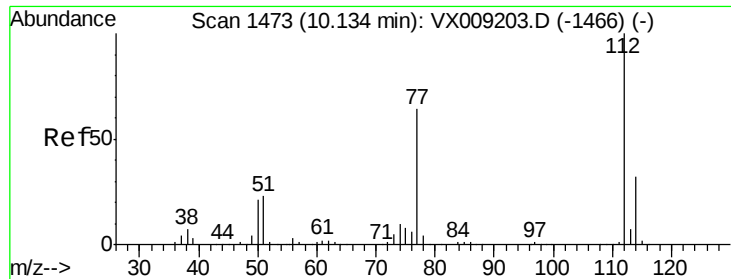


Abundance Ion 116.90 (116.60 to 117.60): VX009870.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009870.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009870.D (-1420) (-)





#65

Chlorobenzene

Concen: 7.543 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampled :

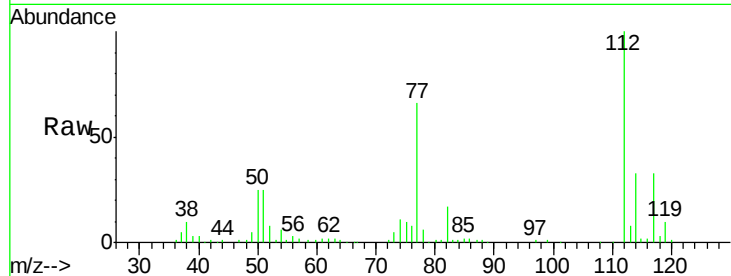
S36-0157

Tot Ion:112 Resp: 38569

Ion Ratio Lower Upper

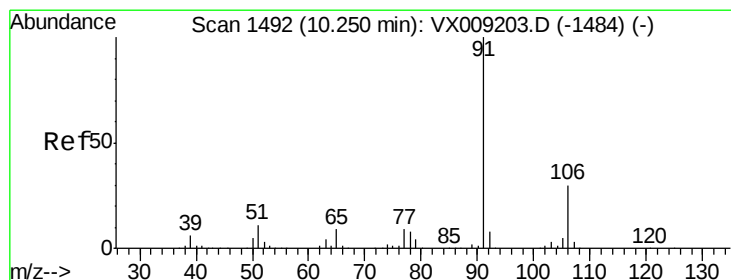
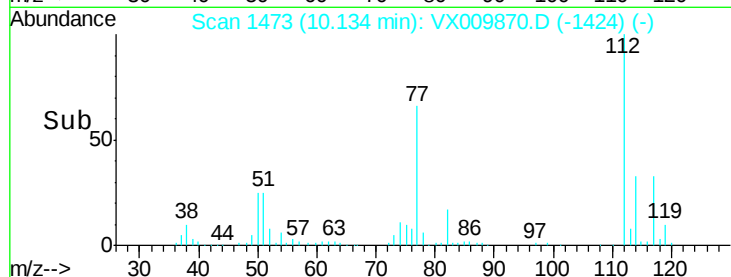
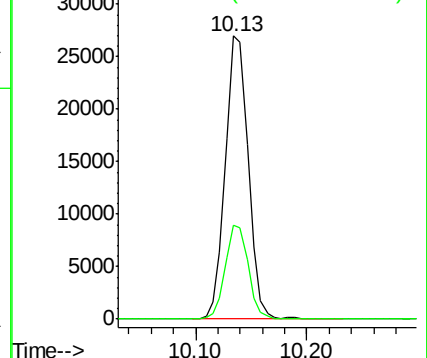
112 100

114 33.3 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.505 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009870.D

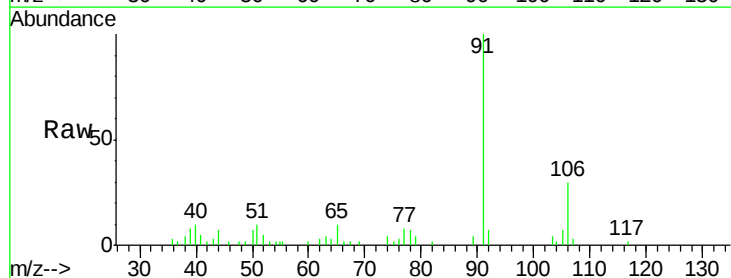
Acq: 23 May 2019 19:48

Tgt Ion: 91 Resp: 4750

Ion Ratio Lower Upper

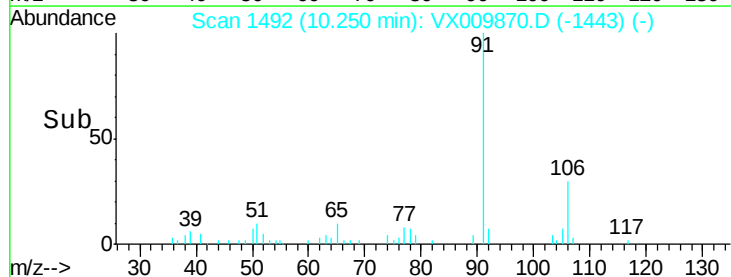
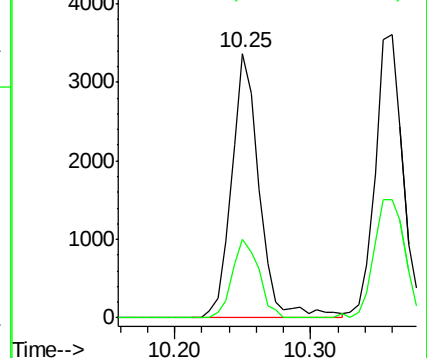
91 100

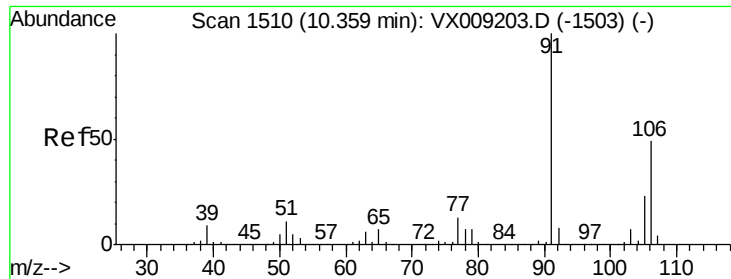
106 29.5 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

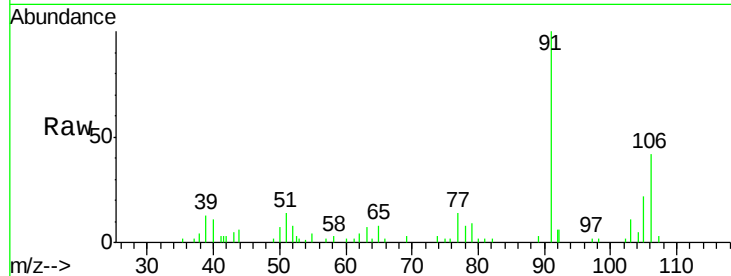




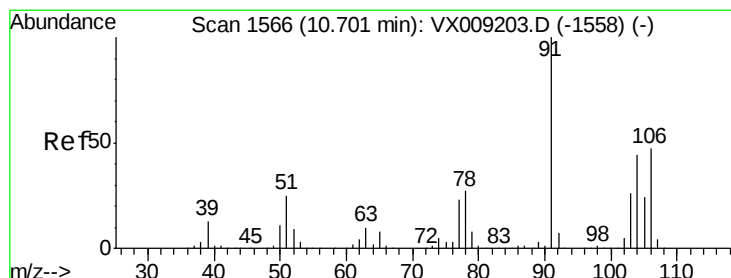
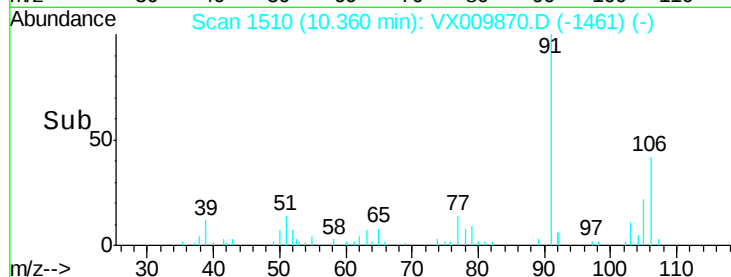
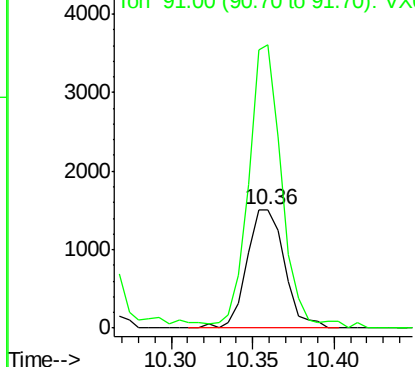
#68
m/p-Xylenes
Concen: 0.703 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009870.D
Acq: 23 May 2019 19:48

Instrument :
MSVOA_X
ClientSampleId :
S36-0157

Tot Ion:106 Resp: 2416
Ion Ratio Lower Upper
106 100
91 212.9 164.0 246.0

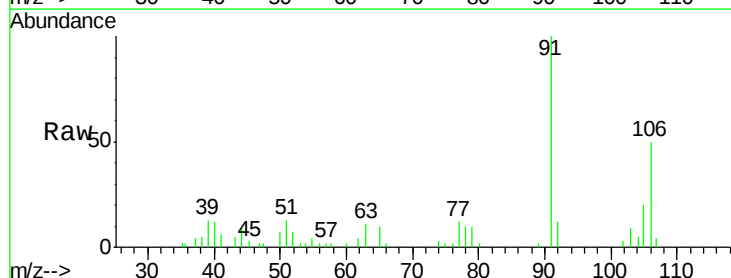


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

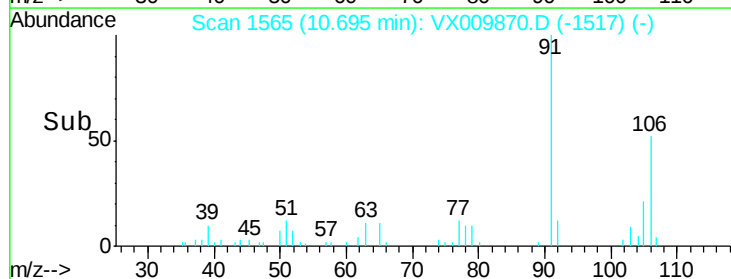
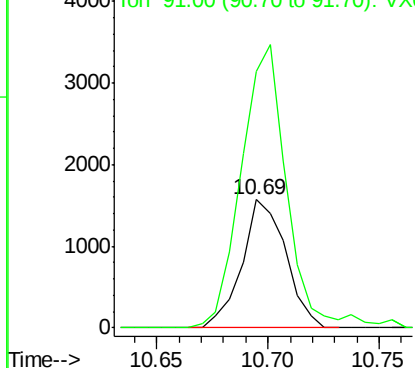


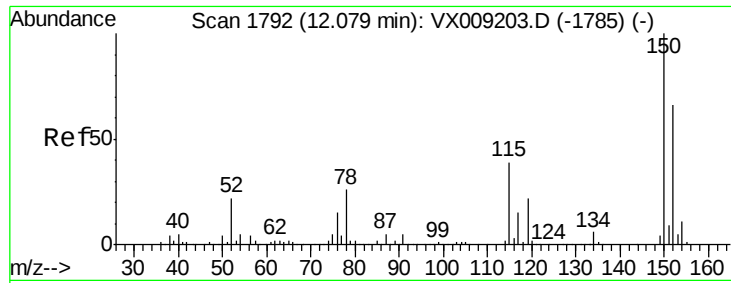
#69
o-Xylene
Concen: 0.633 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009870.D
Acq: 23 May 2019 19:48

Tgt Ion:106 Resp: 2147
Ion Ratio Lower Upper
106 100
91 232.3 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009870.D

Acq: 23 May 2019 19:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0157

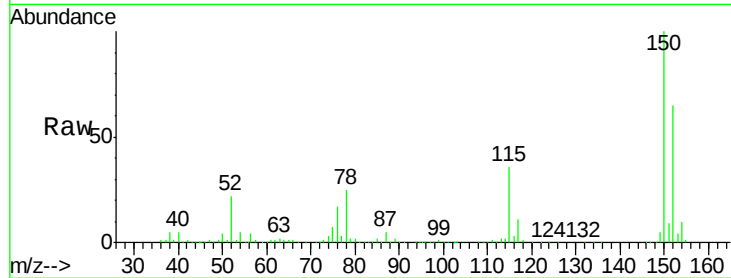
Tot Ion:152 Resp: 112386

Ion Ratio Lower Upper

152 100

115 58.9 41.2 123.6

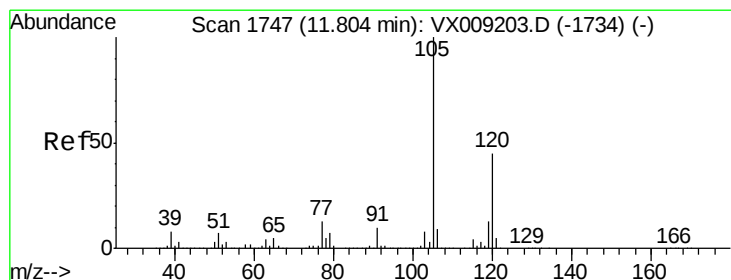
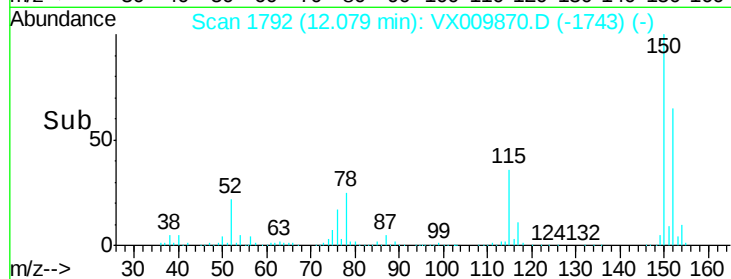
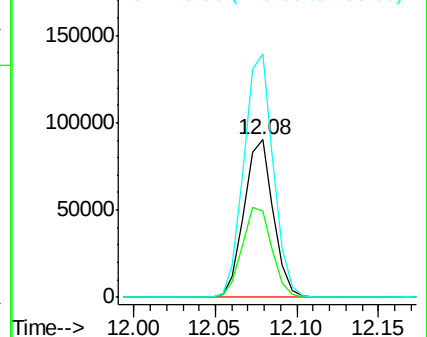
150 156.8 0.0 346.4



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



#84

1,2,4-Trimethylbenzene

Concen: 0.277 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009870.D

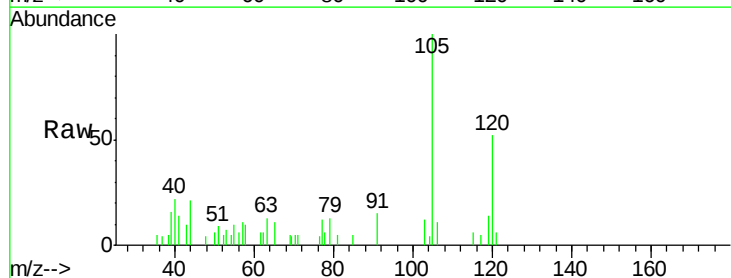
Acq: 23 May 2019 19:48

Tgt Ion:105 Resp: 1915

Ion Ratio Lower Upper

105 100

120 49.9 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

