

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002429.D
 Acq On : 09 Jun 2018 18:49
 Operator : JC/MD
 Sample : J3394-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PW-02

Quant Time: Jun 11 06:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	168997	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	147484	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	5.51	113	113892	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	8.72	98	451976	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	158980	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	

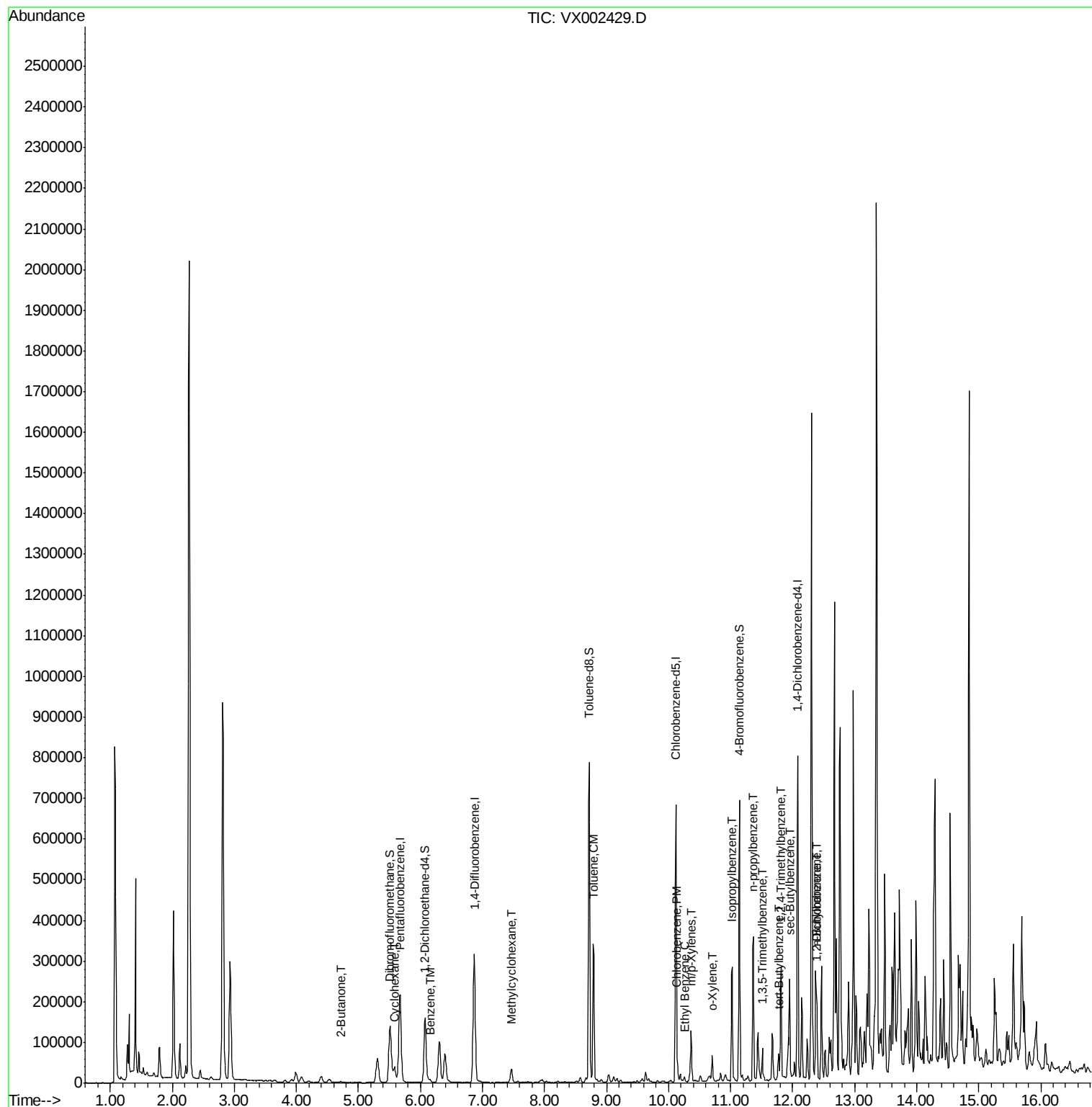
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) 2-Butanone	4.71	43	4211	1.98	ug/l	95
31) Cyclohexane	5.58	56	24320	6.22	ug/l	92
39) Methylcyclohexane	7.46	83	14167	3.73	ug/l	94
40) Benzene	6.15	78	8197	0.81	ug/l	99
52) Toluene	8.79	92	121496	18.94	ug/l	100
65) Chlorobenzene	10.14	112	13542	1.90	ug/l	93
67) Ethyl Benzene	10.26	91	6292	0.53	ug/l	98
68) m/p-Xylenes	10.37	106	27926	6.03	ug/l	98
69) o-Xylene	10.70	106	12806	2.78	ug/l	99
73) Isopropylbenzene	11.02	105	142039	12.08	ug/l	100
78) n-propylbenzene	11.37	91	213595	16.35	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	32385	3.21	ug/l	97
83) tert-Butylbenzene	11.77	119	20669	2.10	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	112848	10.87	ug/l	98
85) sec-Butylbenzene	11.95	105	121025	10.51	ug/l	79
89) n-Butylbenzene	12.39	91	70291	7.99	ug/l #	64
91) 1,2-Dichlorobenzene	12.40	146	1930	0.32	ug/l	89

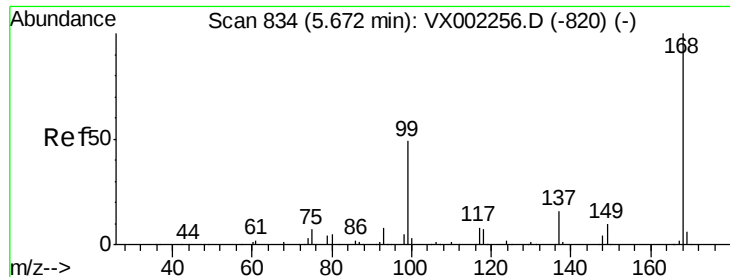
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 06:38:25 2018
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampled :

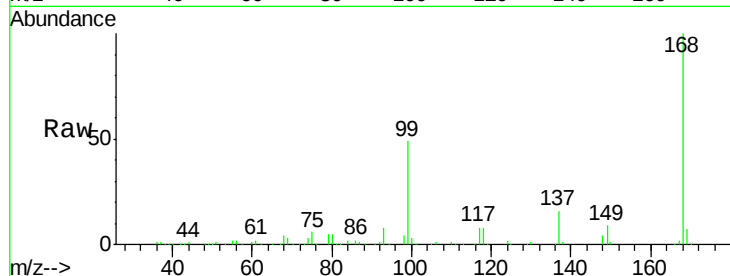
PW-02

Tot Ion:168 Resp: 216713

Ion Ratio Lower Upper

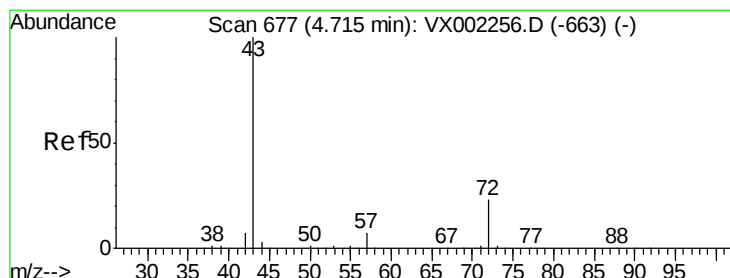
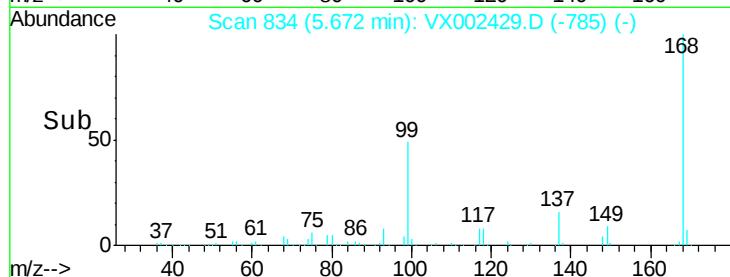
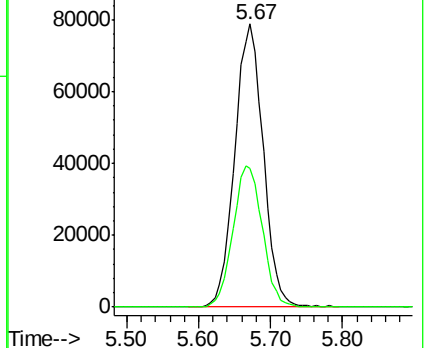
168 100

99 49.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 1.98 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX002429.D

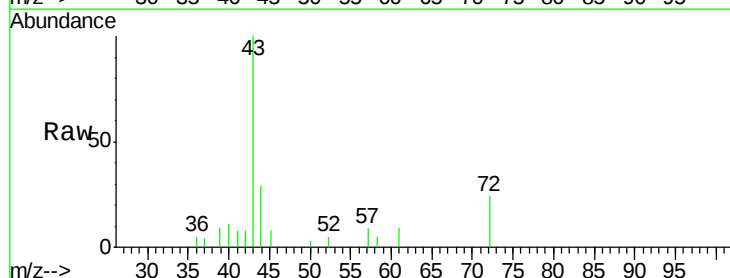
Acq: 09 Jun 2018 18:49

Tgt Ion: 43 Resp: 4211

Ion Ratio Lower Upper

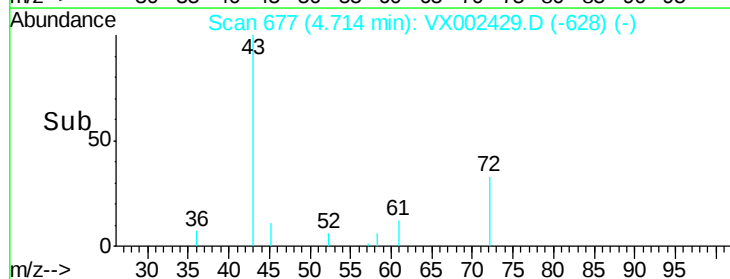
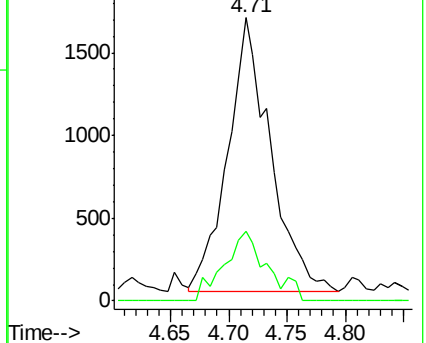
43 100

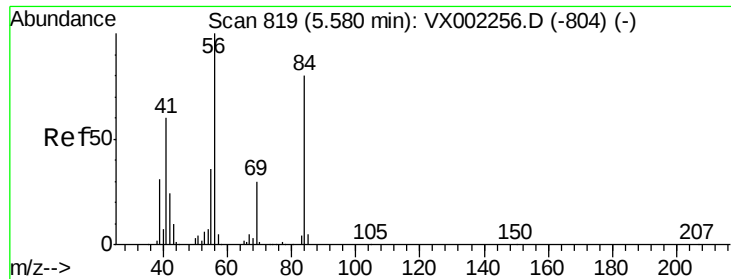
72 25.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

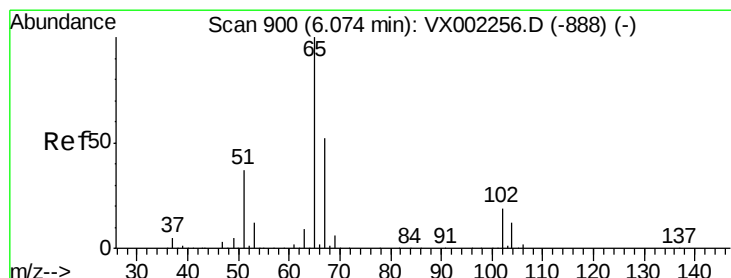
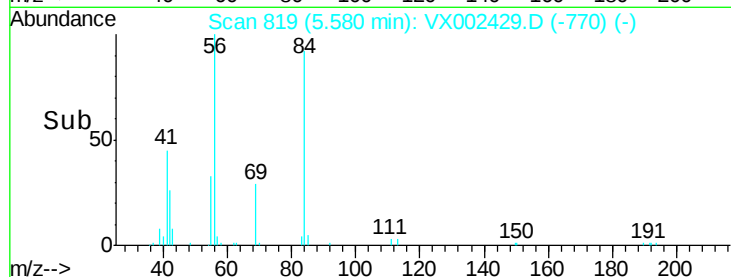
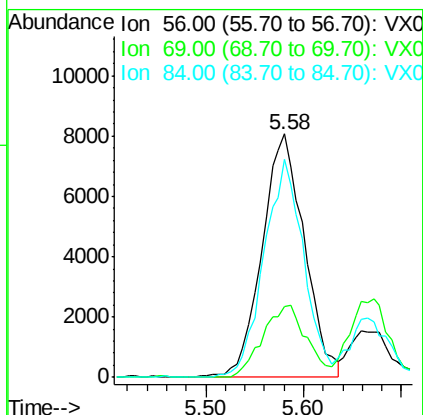
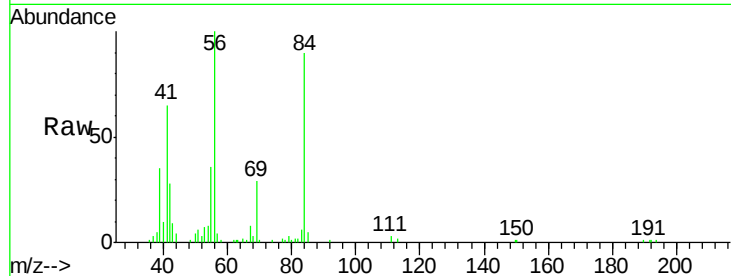




#31
Cyclohexane
Concen: 6.22 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

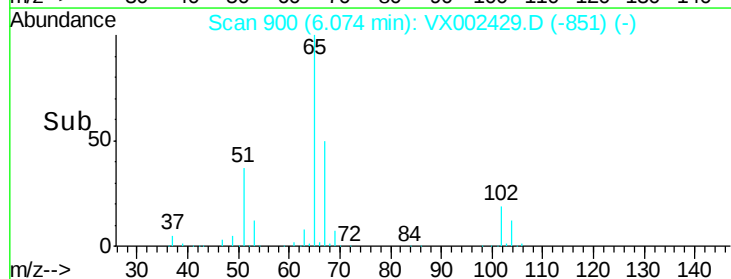
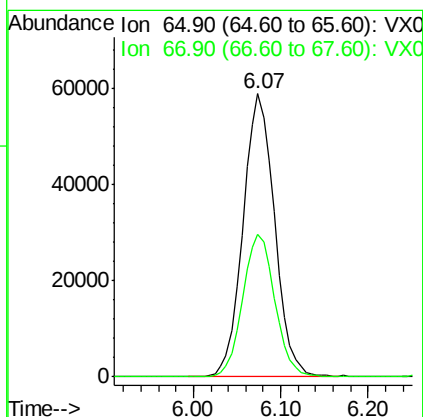
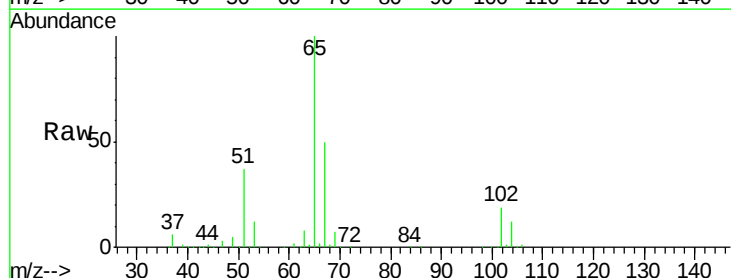
Instrument :
MSVOA_X
ClientSampleId :
PW-02

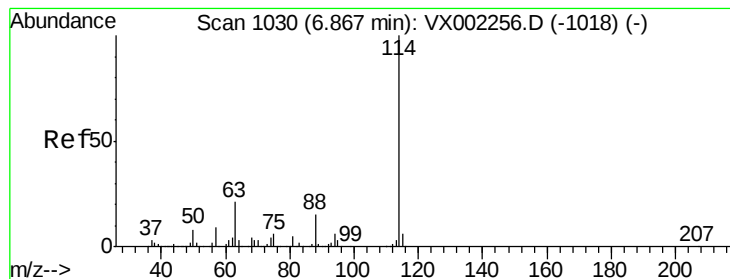
Tot Ion: 56 Resp: 24320
Ion Ratio Lower Upper
56 100
69 29.1 23.7 35.5
84 89.8 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 47.41 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

Tgt Ion: 65 Resp: 147484
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

PW-02

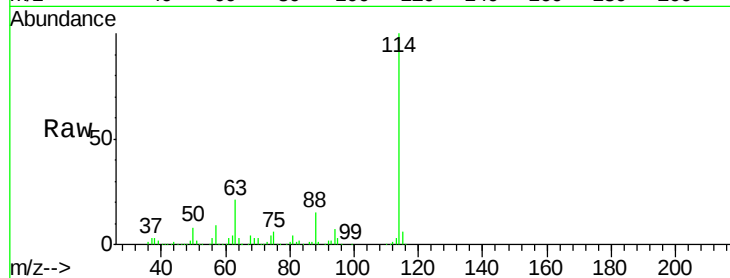
Tot Ion:114 Resp: 312925

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

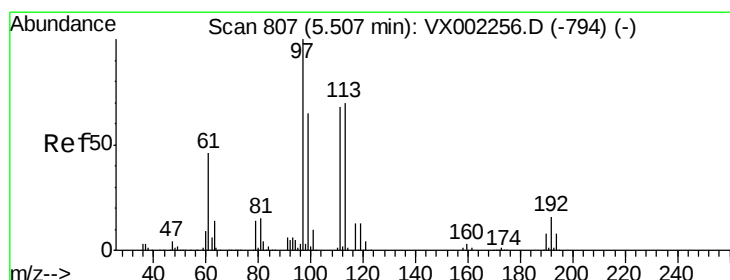
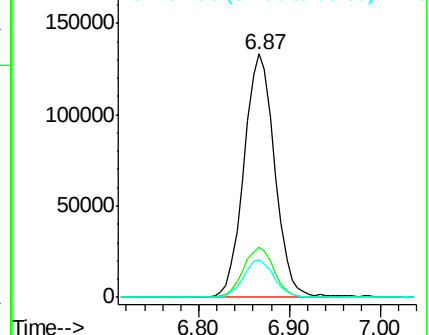
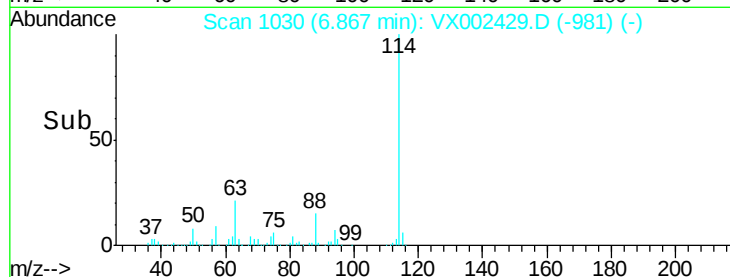
88 15.3 0.0 30.0



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: 46.28 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

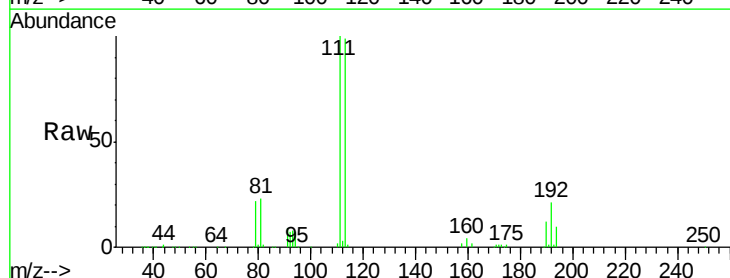
Tgt Ion:113 Resp: 113892

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

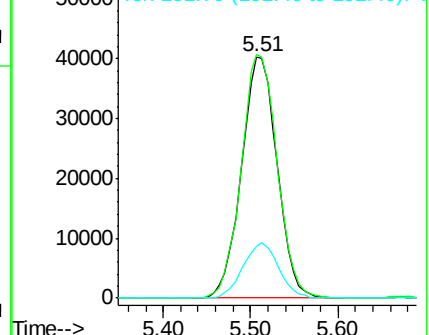
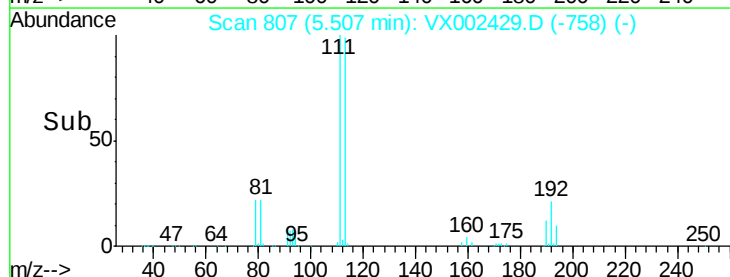
192 22.9 19.1 28.7

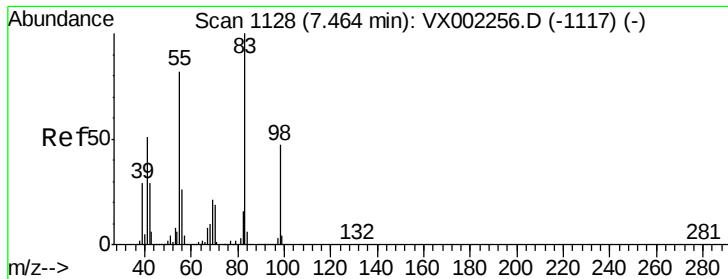


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

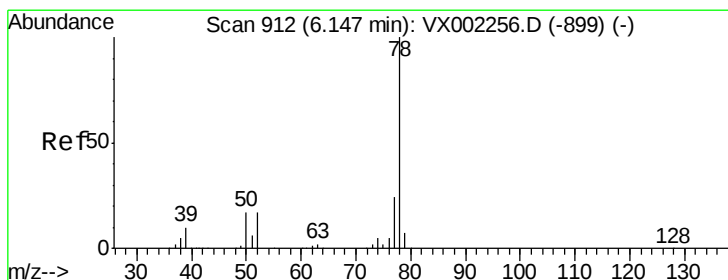
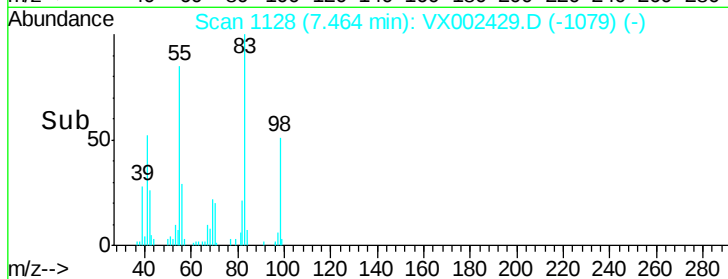
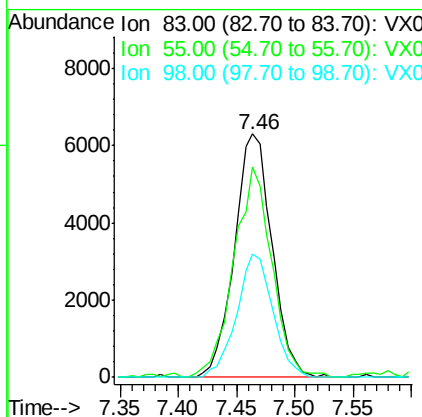
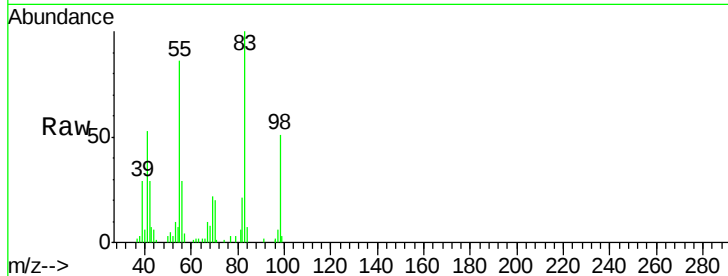




#39
Methvlcvclohexane
Concen: 3.73 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

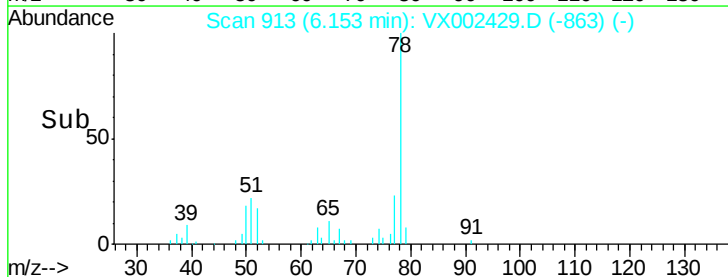
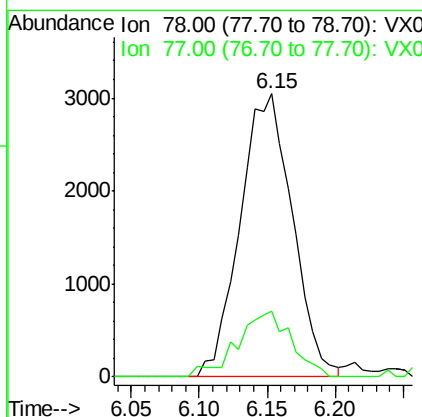
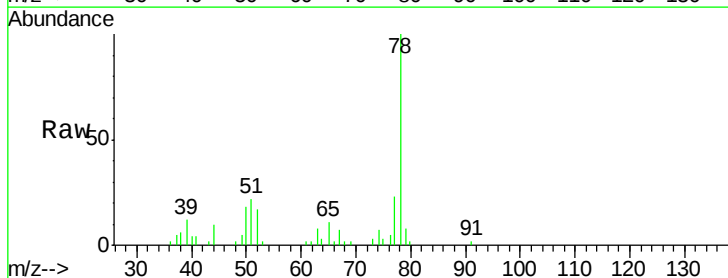
Instrument :
MSVOA_X
ClientSampleId :
PW-02

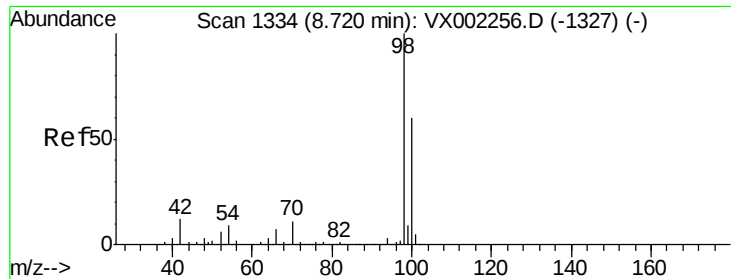
Tot Ion: 83 Resp: 14167
Ion Ratio Lower Upper
83 100
55 86.2 65.4 98.0
98 50.9 37.4 56.0



#40
Benzene
Concen: 0.81 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

Tgt Ion: 78 Resp: 8197
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

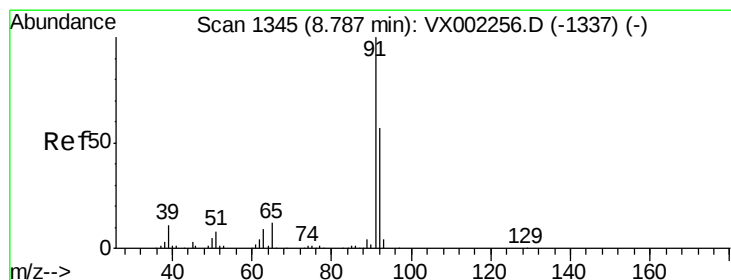
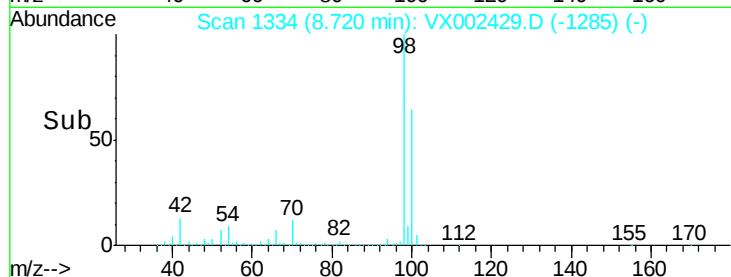
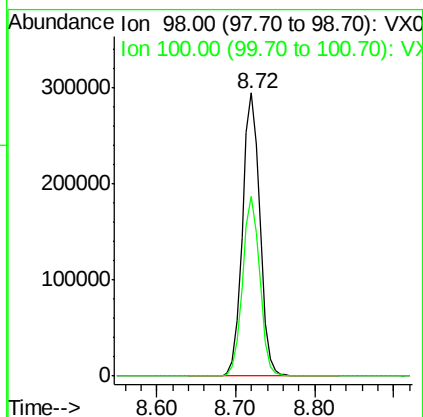
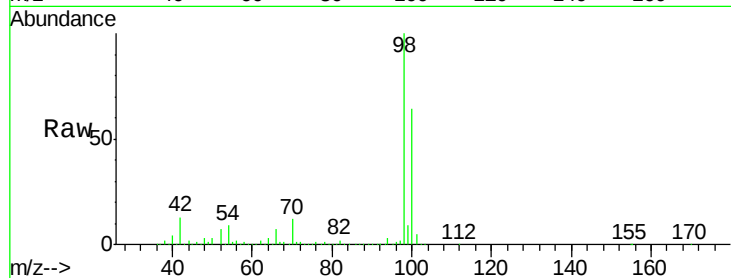




#50
Toluene-d8
Concen: 47.92 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

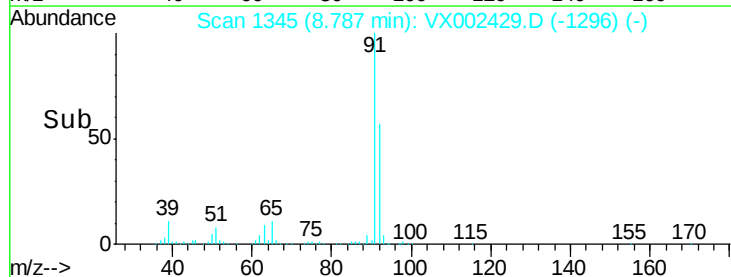
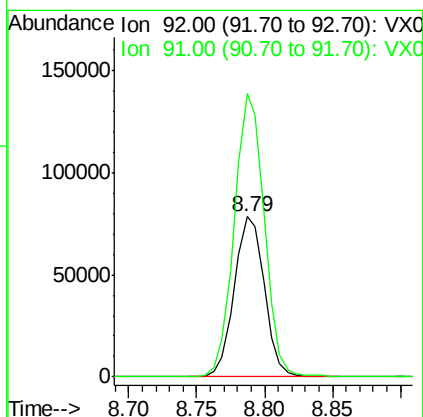
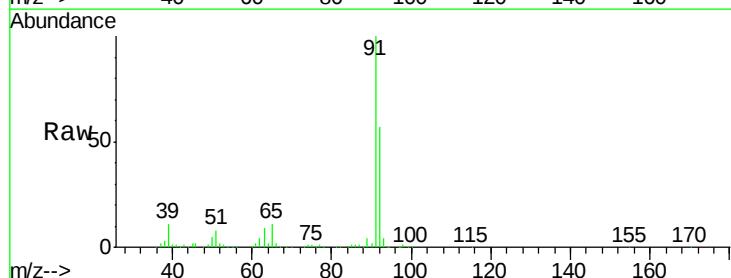
Instrument :
MSVOA_X
ClientSampleId :
PW-02

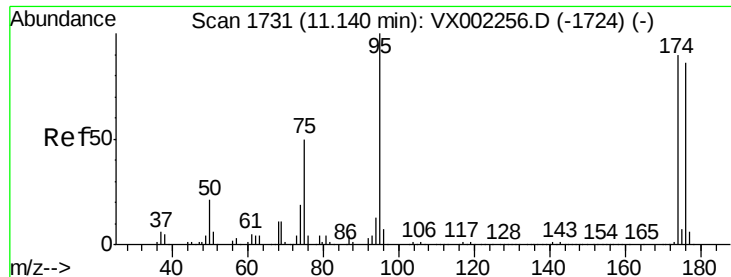
Tot Ion: 98 Resp: 451976
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#52
Toluene
Concen: 18.94 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

Tgt Ion: 92 Resp: 121496
Ion Ratio Lower Upper
92 100
91 175.8 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 43.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

PW-02

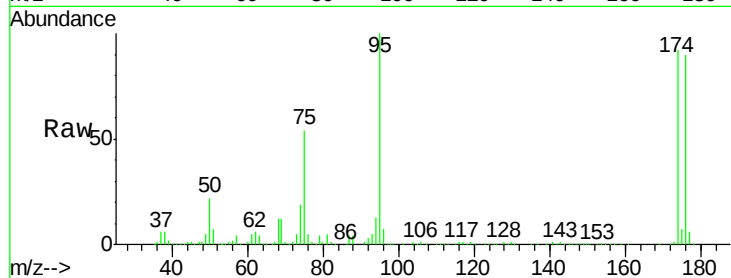
Tot Ion: 95 Resp: 158980

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

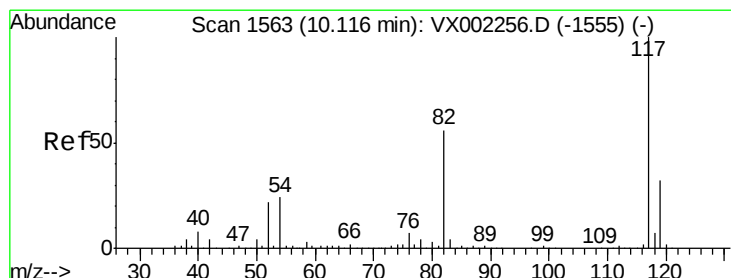
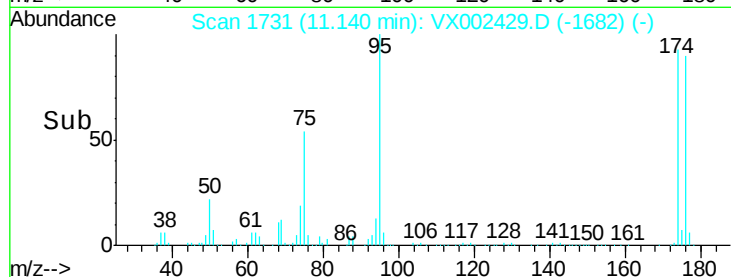
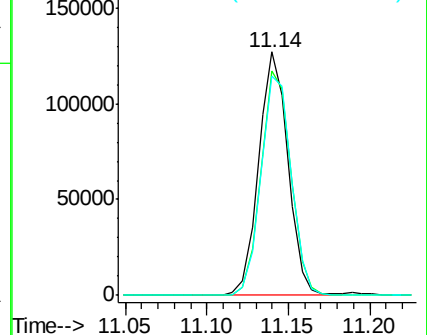
176 93.1 0.0 181.0



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: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

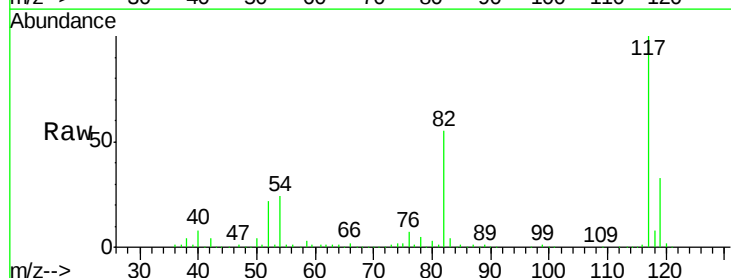
Tgt Ion: 117 Resp: 286220

Ion Ratio Lower Upper

117 100

82 55.3 45.0 67.4

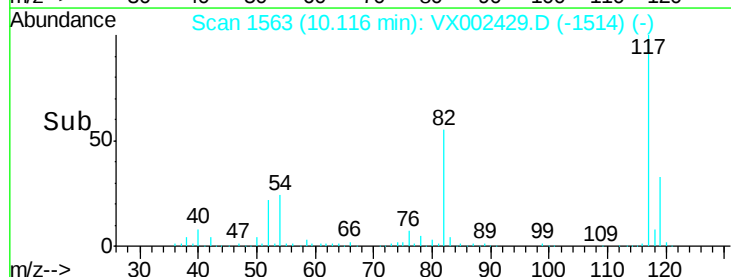
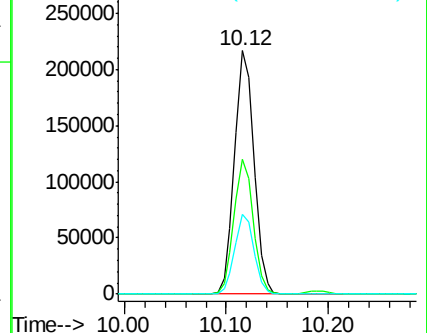
119 32.7 25.8 38.6

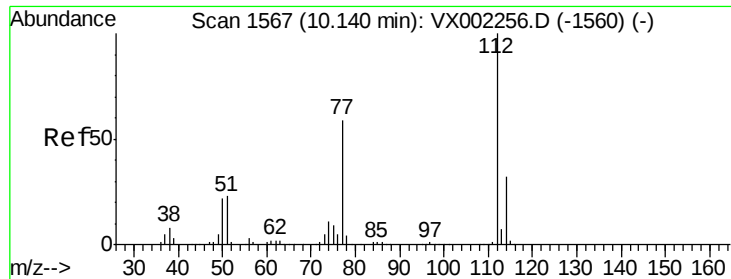


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 1.90 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampled :

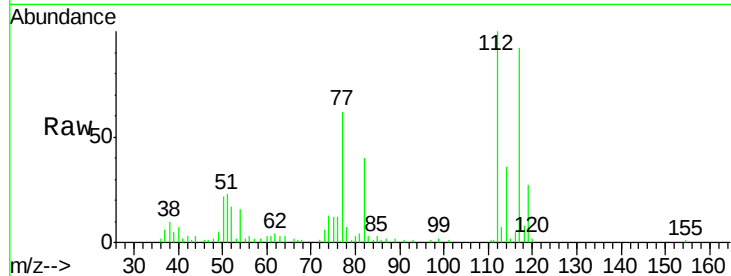
PW-02

Tot Ion:112 Resp: 13542

Ion Ratio Lower Upper

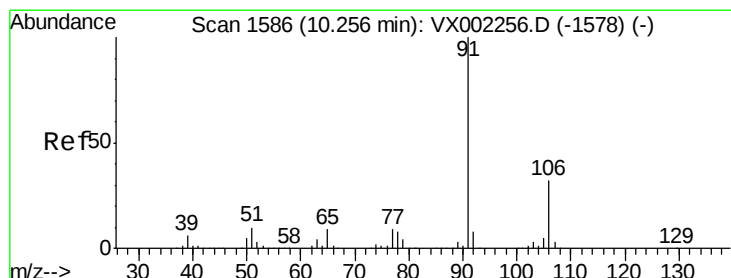
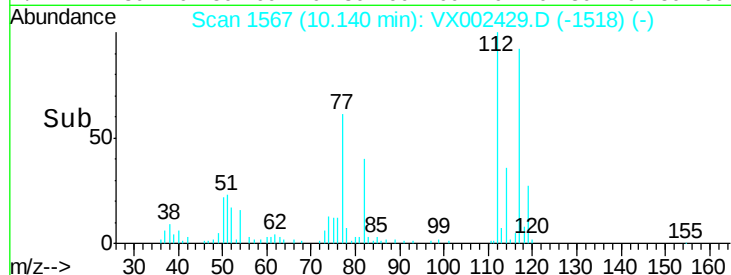
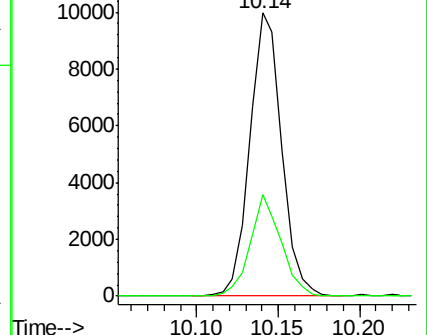
112 100

114 35.8 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.53 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002429.D

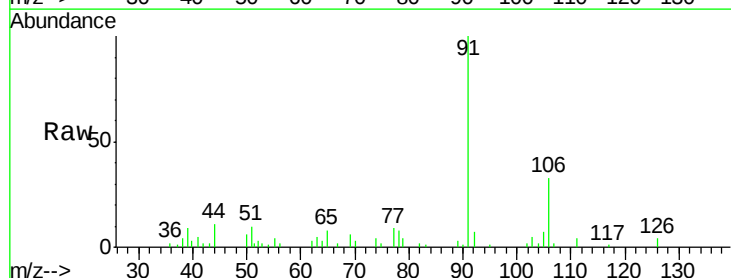
Acq: 09 Jun 2018 18:49

Tgt Ion: 91 Resp: 6292

Ion Ratio Lower Upper

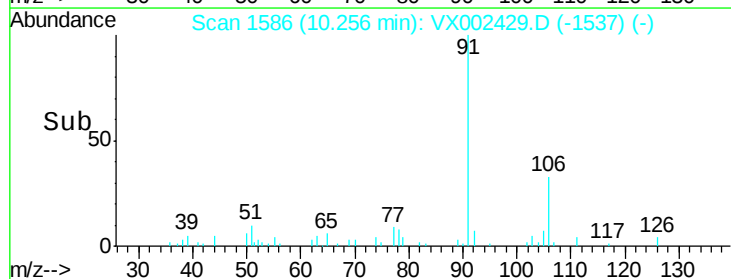
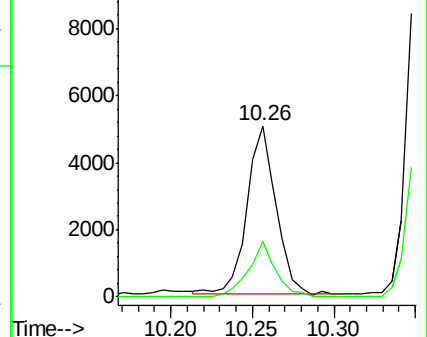
91 100

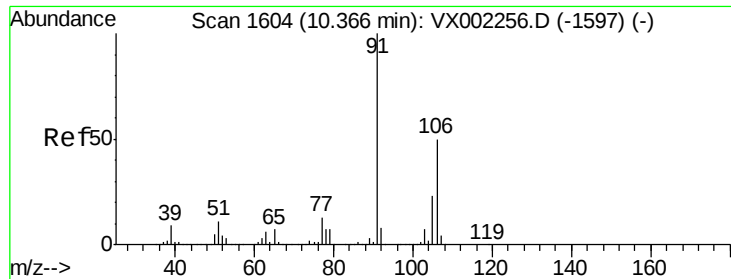
106 33.2 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

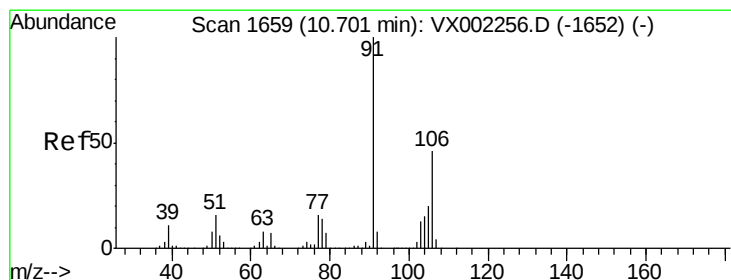
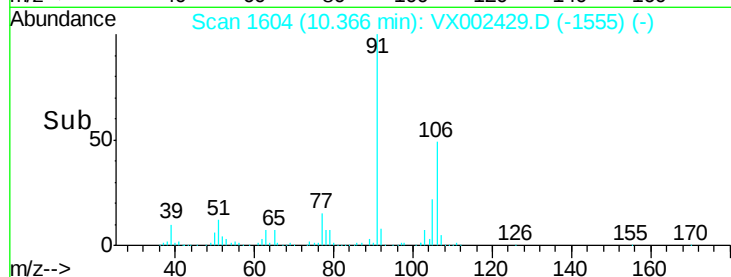
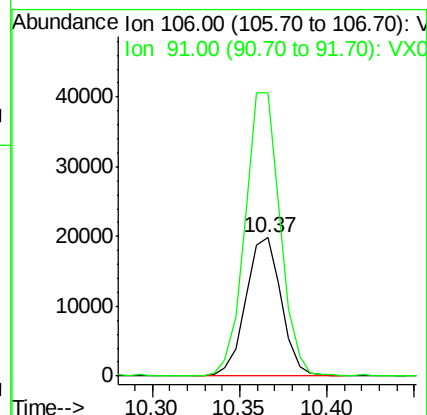
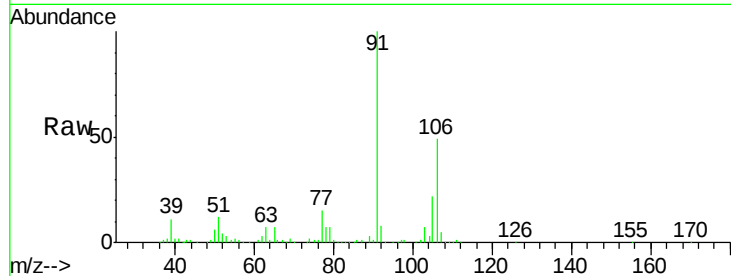




#68
m/p-Xylenes
Concen: 6.03 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

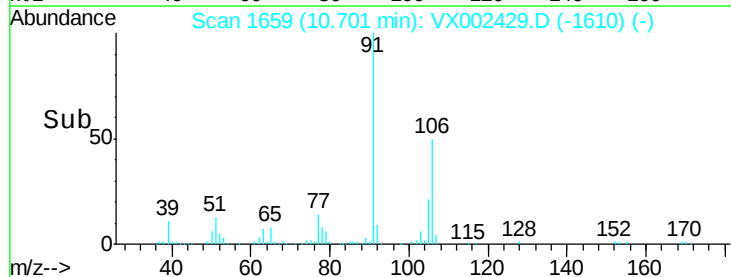
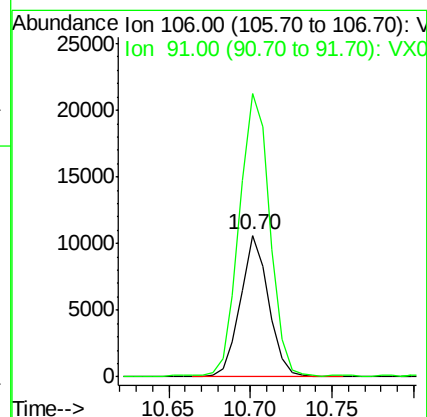
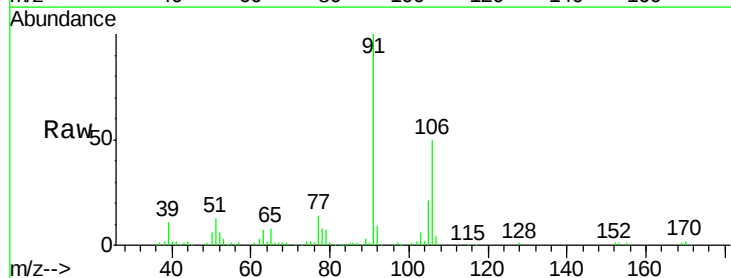
Instrument :
MSVOA_X
ClientSampled :
PW-02

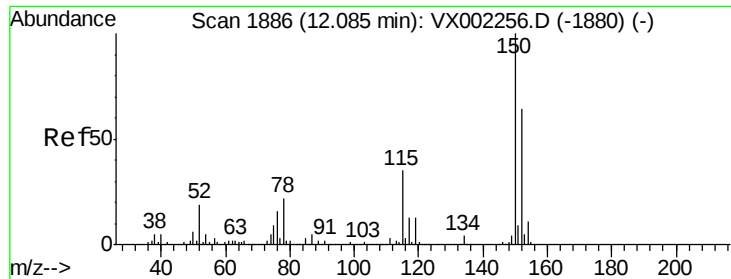
Tot Ion:106 Resp: 27926
Ion Ratio Lower Upper
106 100
91 201.1 163.4 245.2



#69
o-Xylene
Concen: 2.78 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

Tgt Ion:106 Resp: 12806
Ion Ratio Lower Upper
106 100
91 218.0 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampled :

PW-02

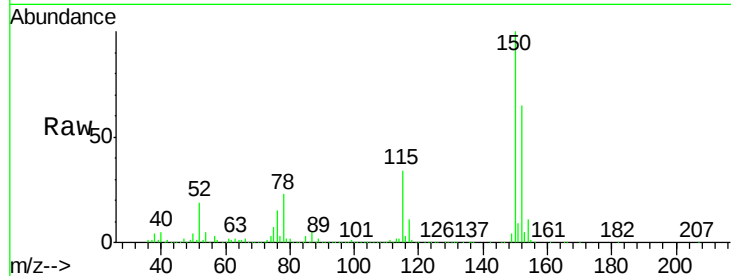
Tot Ion:152 Resp: 168997

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

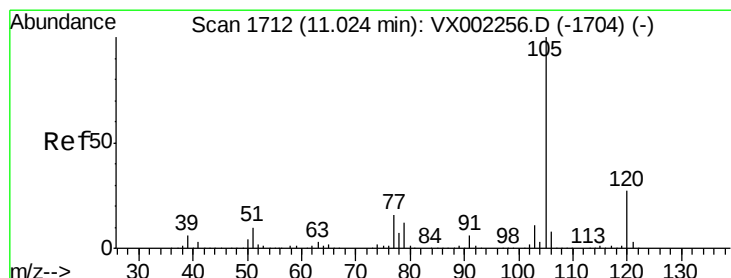
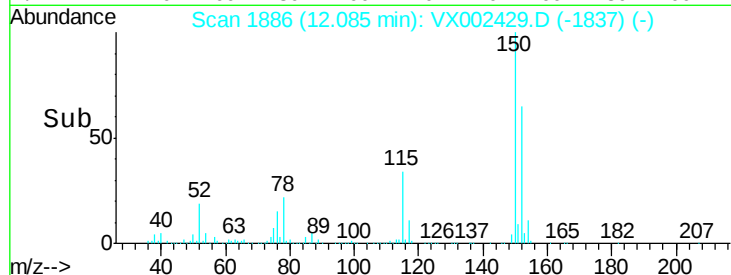
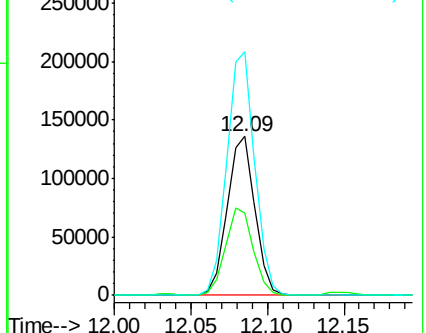
150 155.2 0.0 347.2



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



#73

Isopropylbenzene

Concen: 12.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002429.D

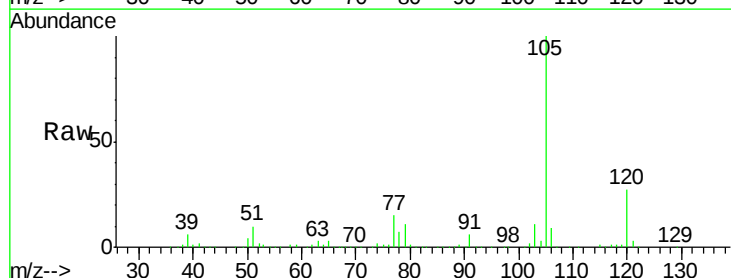
Acq: 09 Jun 2018 18:49

Tgt Ion:105 Resp: 142039

Ion Ratio Lower Upper

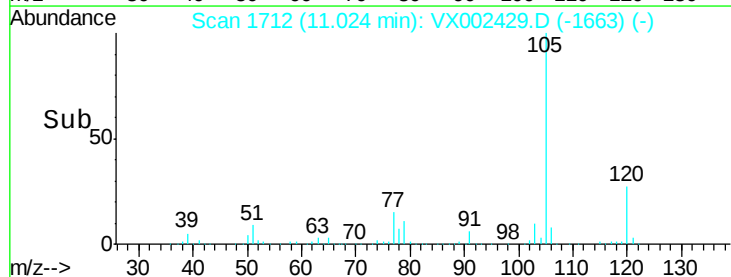
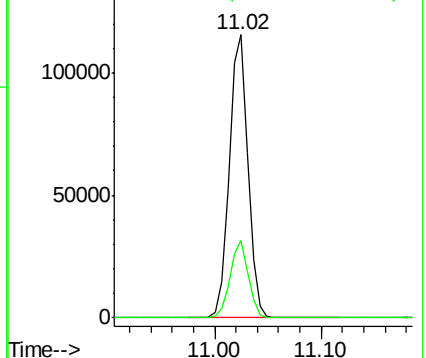
105 100

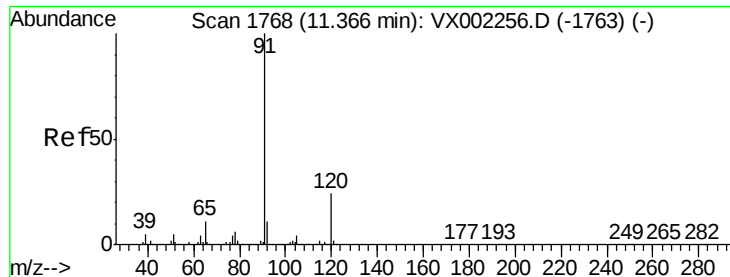
120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 16.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

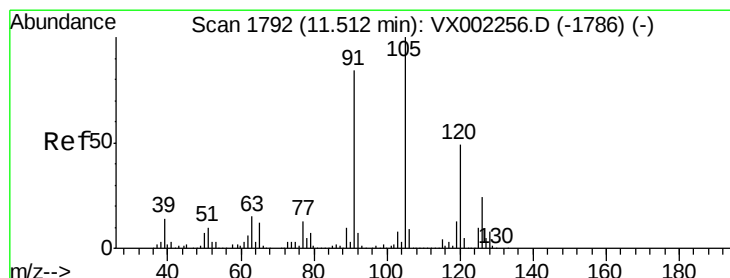
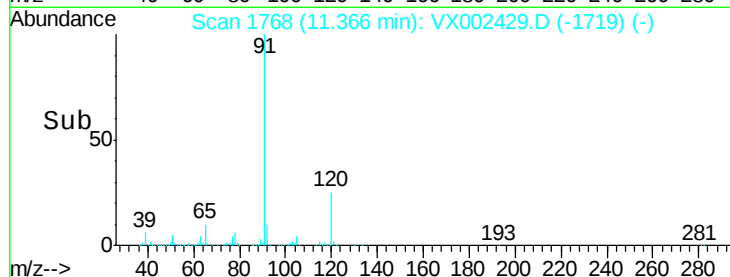
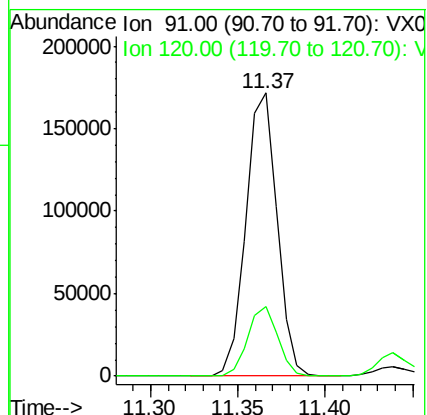
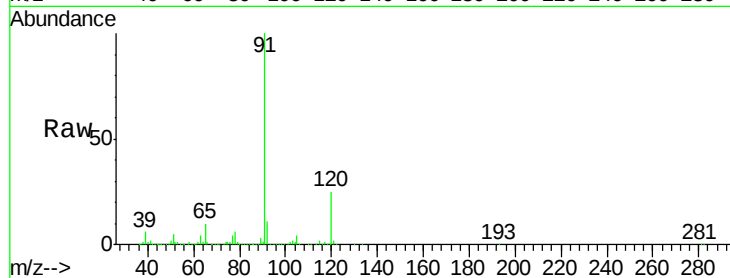
PW-02

Tot Ion: 91 Resp: 213595

Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 3.21 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002429.D

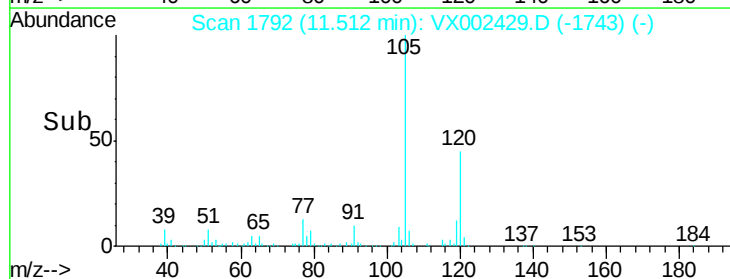
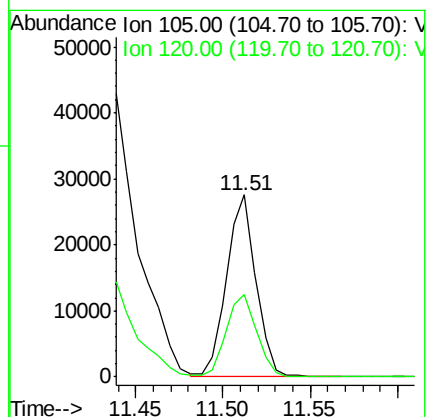
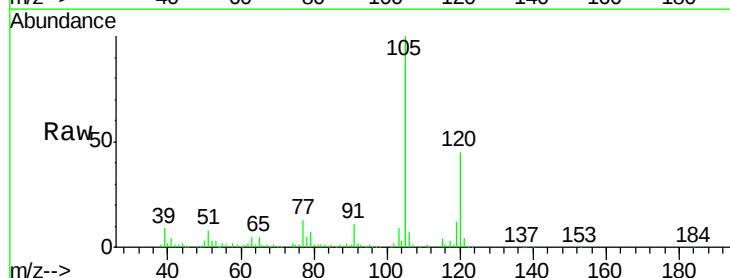
Acq: 09 Jun 2018 18:49

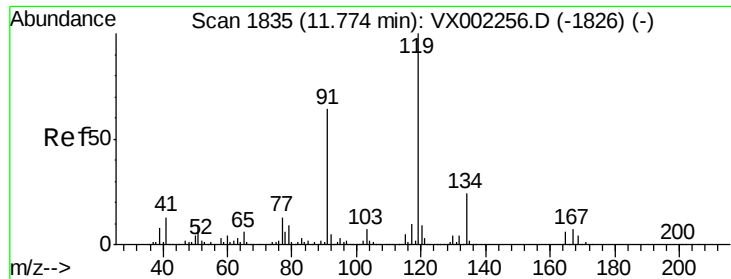
Tgt Ion: 105 Resp: 32385

Ion Ratio Lower Upper

105 100

120 46.9 24.4 73.4

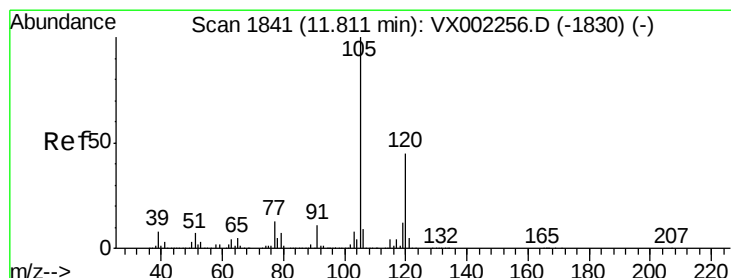
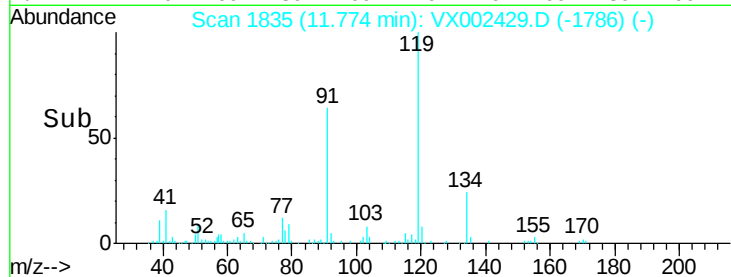
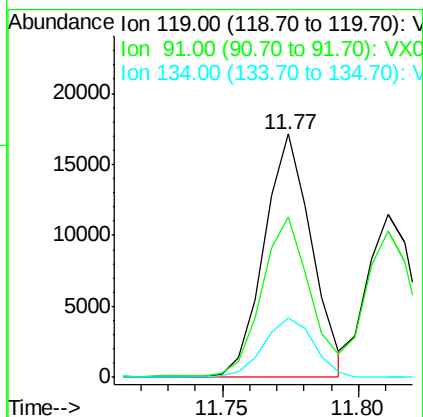
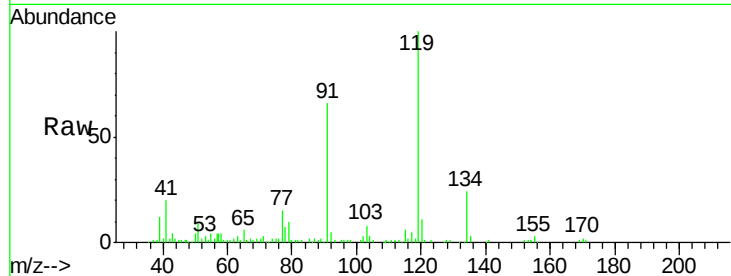




#83
tert-Butylbenzene
Concen: 2.10 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

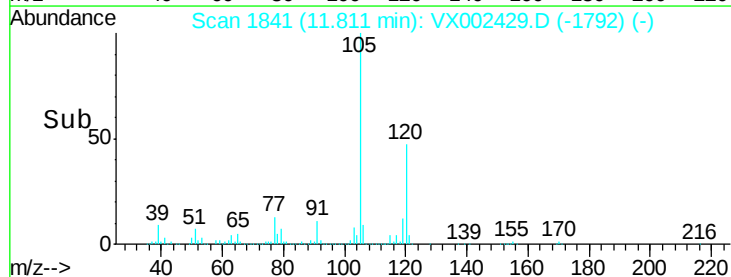
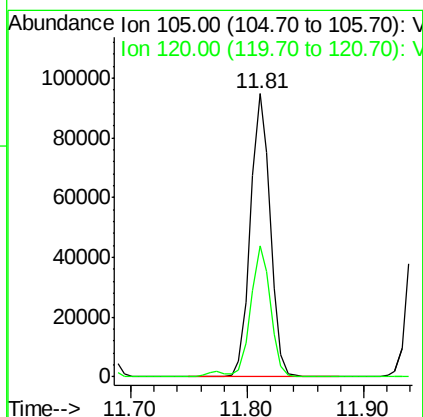
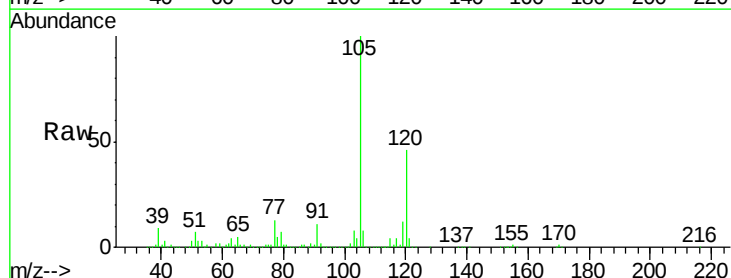
Instrument :
MSVOA_X
ClientSampled :
PW-02

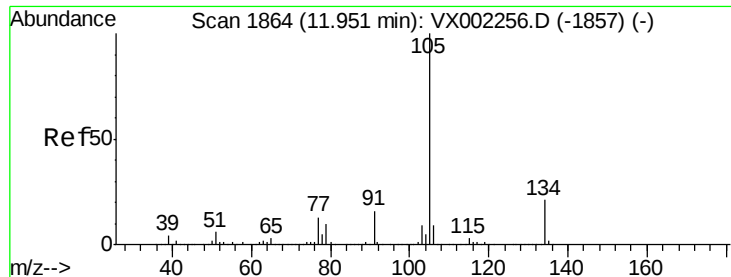
Tot Ion:119 Resp: 20669
Ion Ratio Lower Upper
119 100
91 66.8 30.3 90.9
134 25.5 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 10.87 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002429.D
Acq: 09 Jun 2018 18:49

Tgt Ion:105 Resp: 112848
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 10.51 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampled :

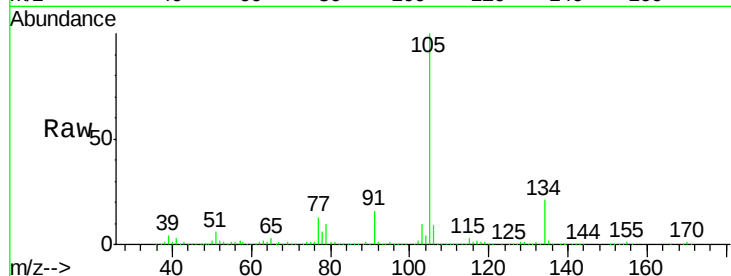
PW-02

Tot Ion:105 Resp: 121025

Ion Ratio Lower Upper

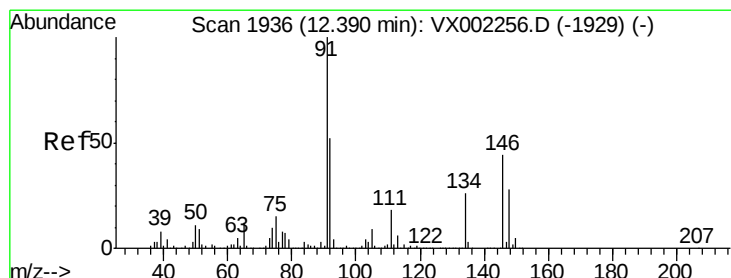
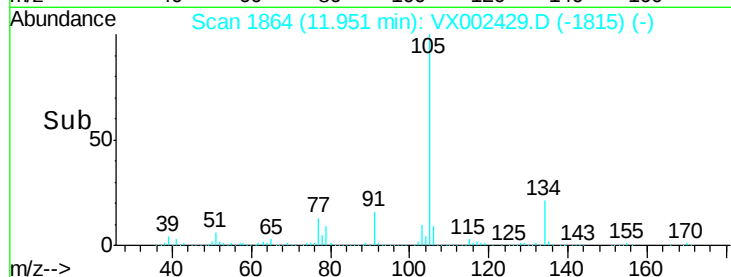
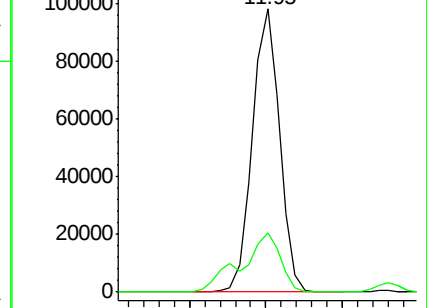
105 100

134 30.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 7.99 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

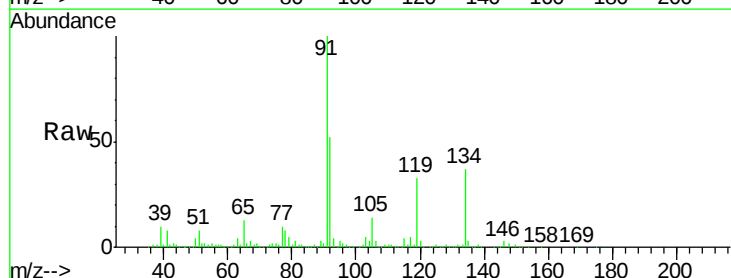
Tgt Ion: 91 Resp: 70291

Ion Ratio Lower Upper

91 100

92 40.9 26.0 78.0

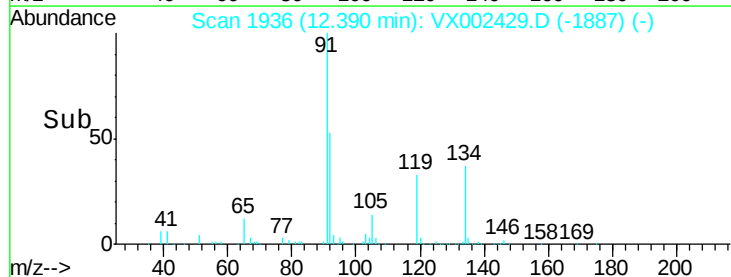
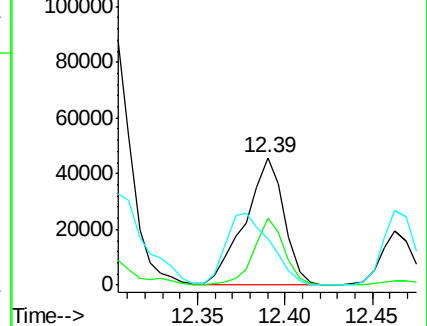
134 65.6 13.5 40.5#

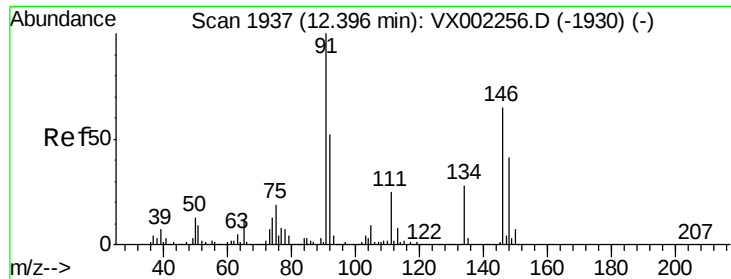


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.32 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002429.D

Acq: 09 Jun 2018 18:49

Instrument :

MSVOA_X

ClientSampleId :

PW-02

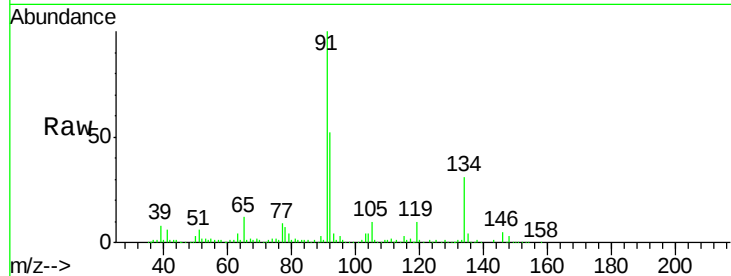
Tot Ion:146 Resp: 1930

Ion Ratio Lower Upper

146 100

111 55.0 19.4 58.1

148 64.7 31.7 95.1



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

