

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002361.D
 Acq On : 06 Jun 2018 19:02
 Operator : JC/MD
 Sample : J3312-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-06

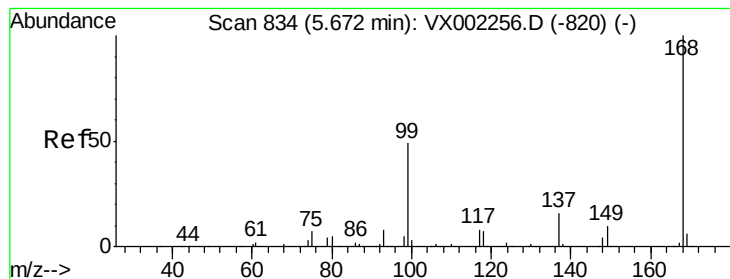
Quant Time: Jun 07 04:57:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171085	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	148254	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
35) Dibromofluoromethane	5.51	113	112093	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
50) Toluene-d8	8.72	98	451326	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.14	95	163098	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	36926	9.26	ug/l	96
39) Methylcyclohexane	7.46	83	14463	3.72	ug/l	95
40) Benzene	6.15	78	4383	0.42	ug/l	95
52) Toluene	8.79	92	172490	26.29	ug/l	100
65) Chlorobenzene	10.14	112	36814	5.13	ug/l	97
67) Ethyl Benzene	10.26	91	15946	1.33	ug/l	98
68) m/p-Xylenes	10.37	106	100214	21.47	ug/l	100
69) o-Xylene	10.70	106	22146	4.77	ug/l	92
73) Isopropylbenzene	11.02	105	157934	13.27	ug/l	100
78) n-propylbenzene	11.37	91	240991	18.22	ug/l	100
83) tert-Butylbenzene	11.77	119	21534	2.17	ug/l	92
85) sec-Butylbenzene	11.95	105	147742	12.68	ug/l	80
89) n-Butylbenzene	12.39	91	88664	9.96	ug/l #	84
91) 1,2-Dichlorobenzene	12.40	146	2134	0.35	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

Instrument :

MSVOA_X

ClientSampled :

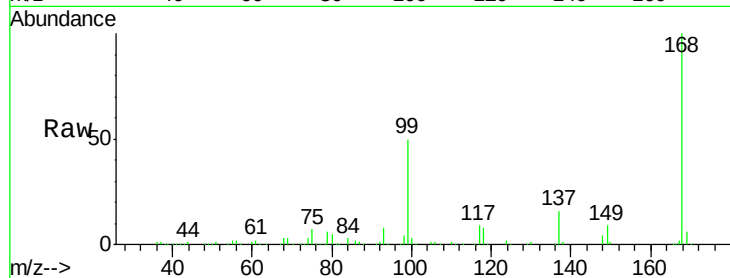
W-06

Tot Ion:168 Resp: 220888

Ion Ratio Lower Upper

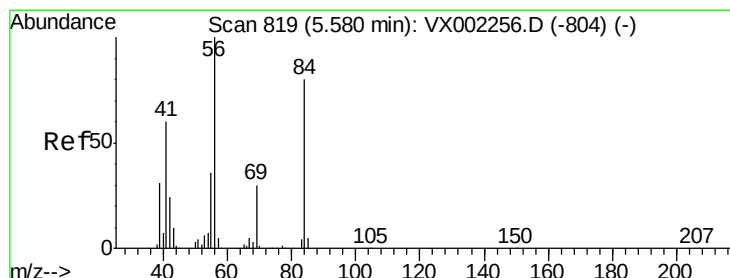
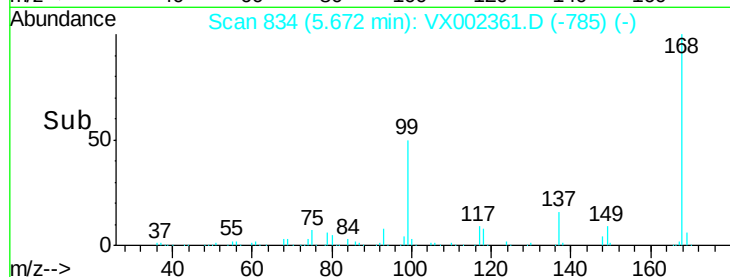
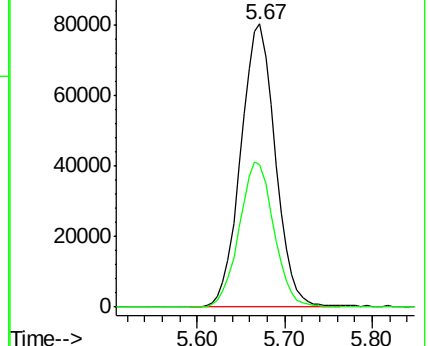
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 9.26 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

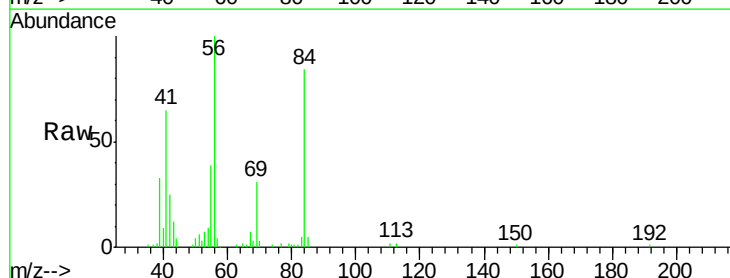
Tgt Ion: 56 Resp: 36926

Ion Ratio Lower Upper

56 100

69 31.4 23.7 35.5

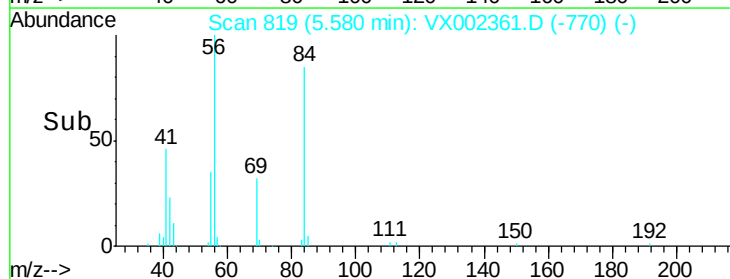
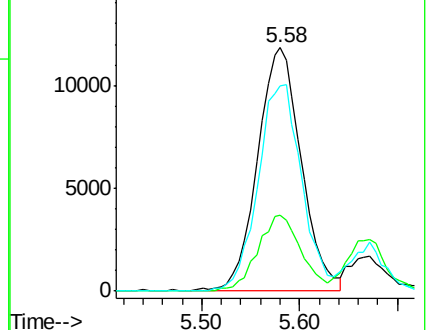
84 84.1 64.1 96.1

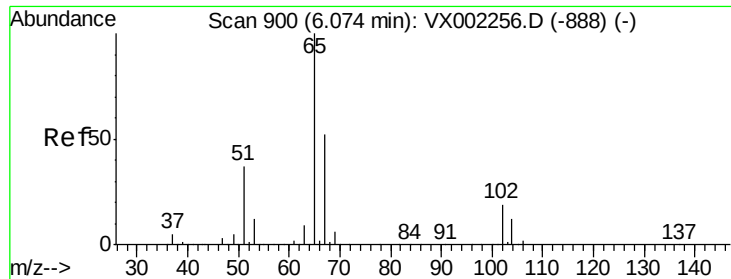


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

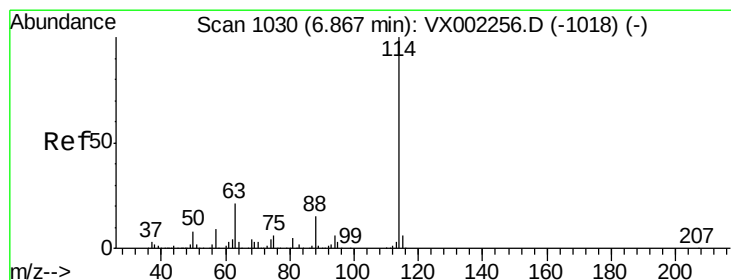
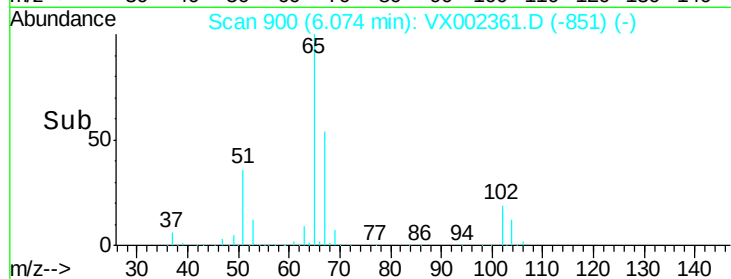
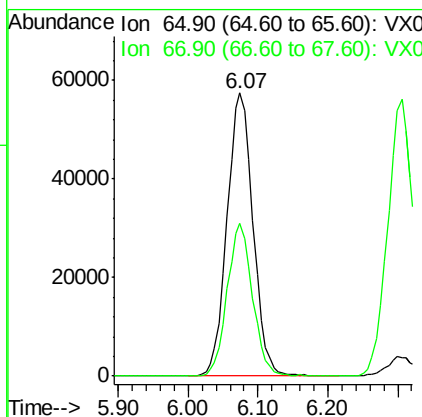
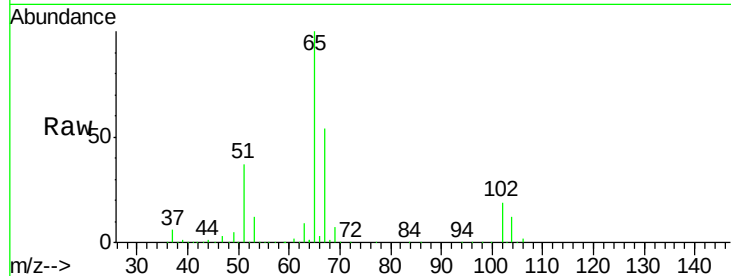




#33
 1,2-Dichloroethane-d4
 Concen: 46.71 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002361.D
 Acq: 06 Jun 2018 19:02

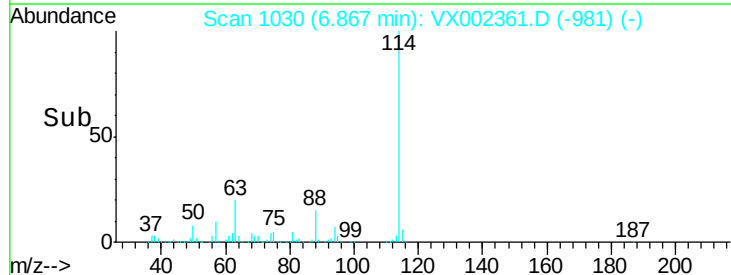
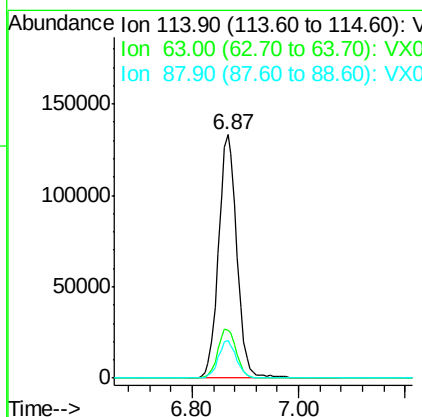
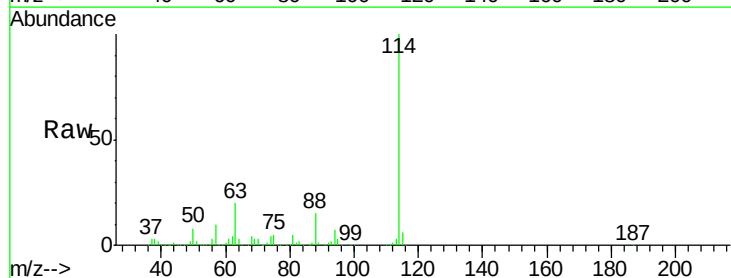
Instrument :
 MSVOA_X
 ClientSampleId :
 W-06

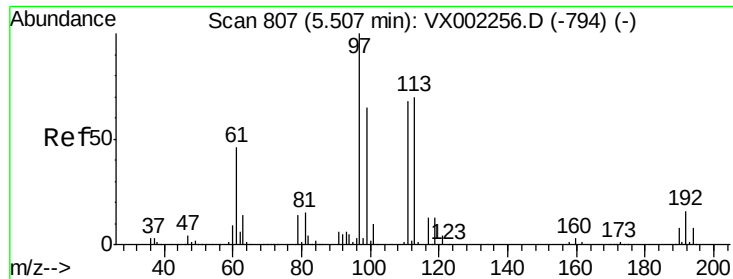
Tot Ion: 65 Resp: 148254
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002361.D
 Acq: 06 Jun 2018 19:02

Tgt Ion: 114 Resp: 319974
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.3 0.0 30.0

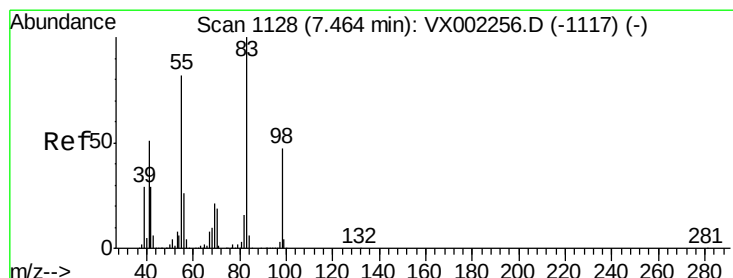
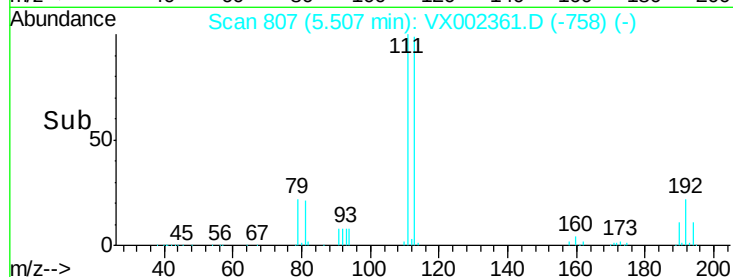
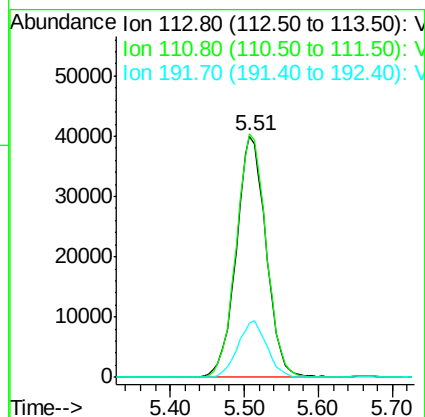
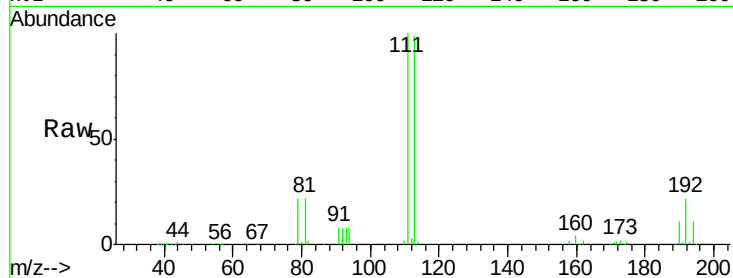




#35
 Dibromofluoromethane
 Concen: 44.55 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002361.D
 Acq: 06 Jun 2018 19:02

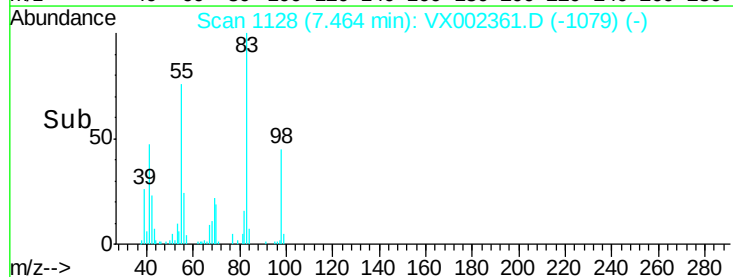
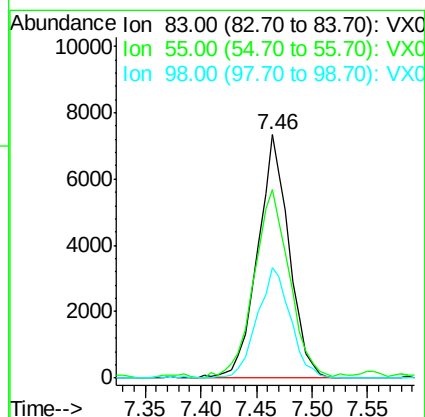
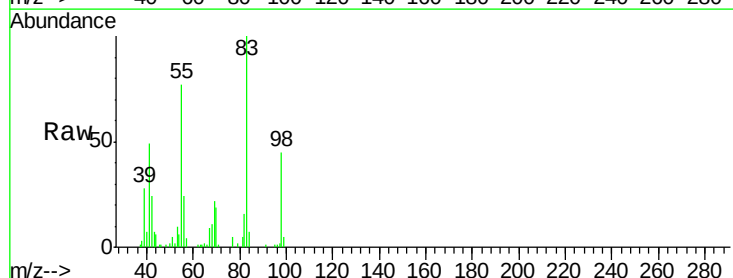
Instrument :
 MSVOA_X
 ClientSampled :
 W-06

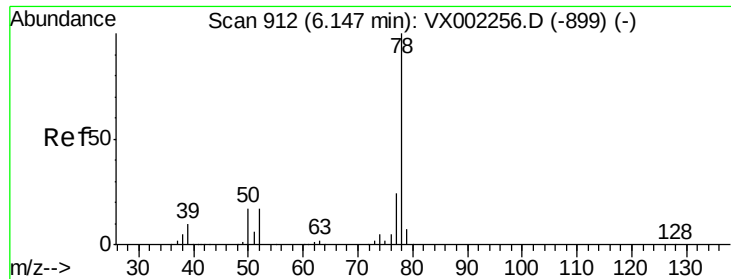
Tot Ion:113 Resp: 112093
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 22.9 19.1 28.7



#39
 Methylcyclohexane
 Concen: 3.72 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX002361.D
 Acq: 06 Jun 2018 19:02

Tgt Ion: 83 Resp: 14463
 Ion Ratio Lower Upper
 83 100
 55 76.3 65.4 98.0
 98 45.3 37.4 56.0





#40

Benzene

Concen: 0.42 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

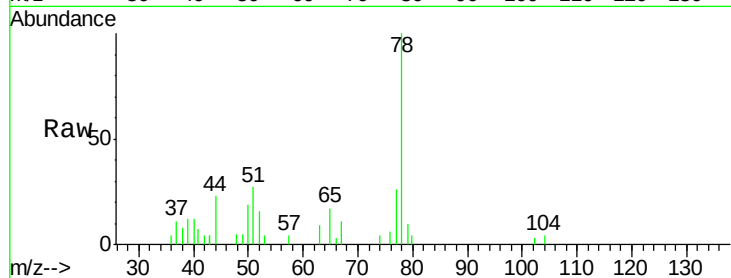
W-06

Tot Ion: 78 Resp: 4383

Ion Ratio Lower Upper

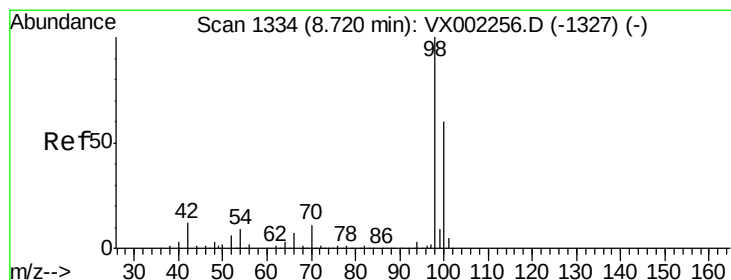
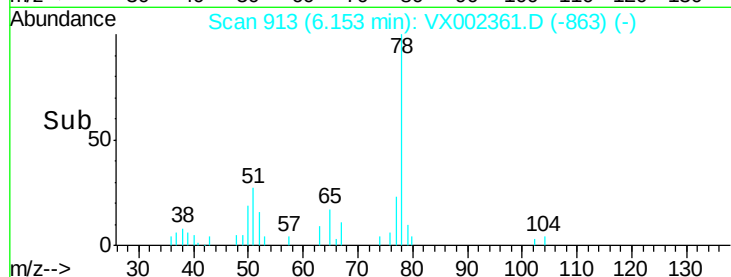
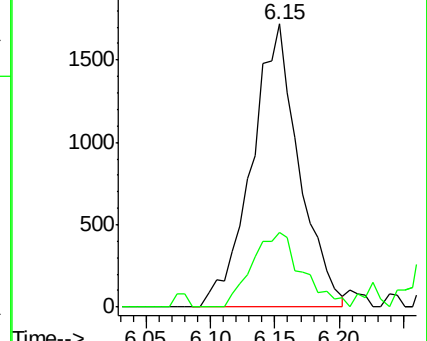
78 100

77 26.4 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 46.79 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002361.D

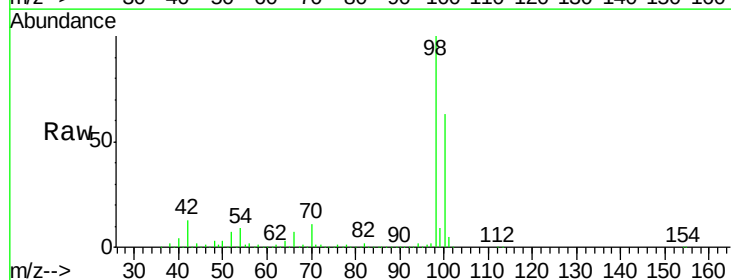
Acq: 06 Jun 2018 19:02

Tgt Ion: 98 Resp: 451326

Ion Ratio Lower Upper

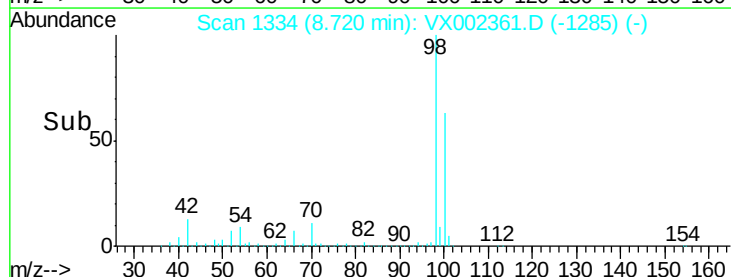
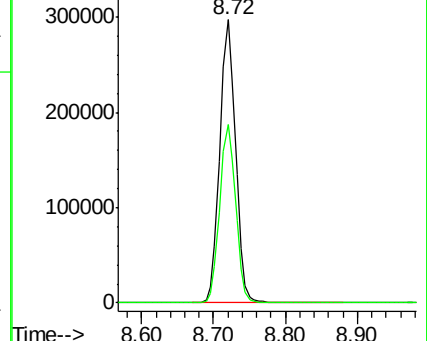
98 100

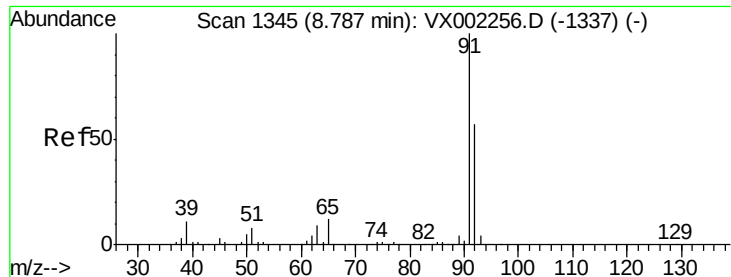
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 26.29 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

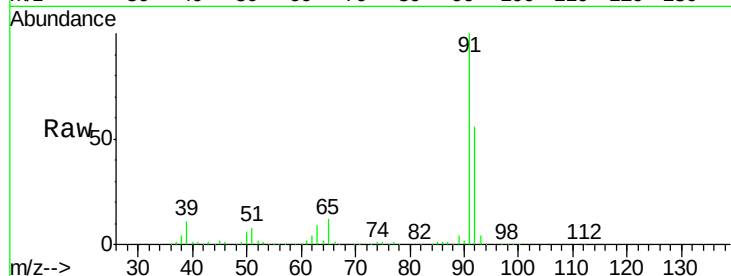
W-06

Tot Ion: 92 Resp: 172490

Ion Ratio Lower Upper

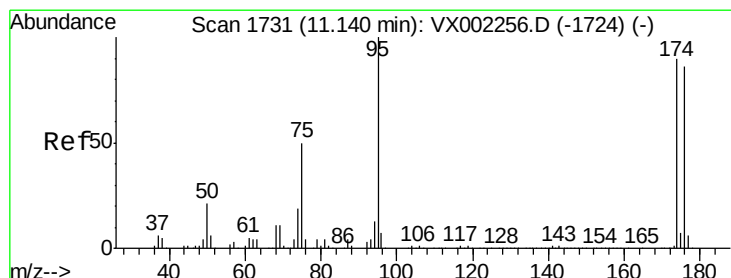
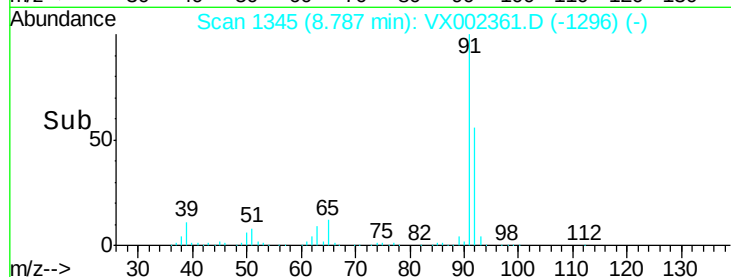
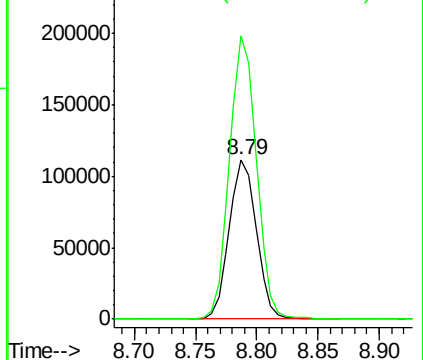
92 100

91 175.4 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.85 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

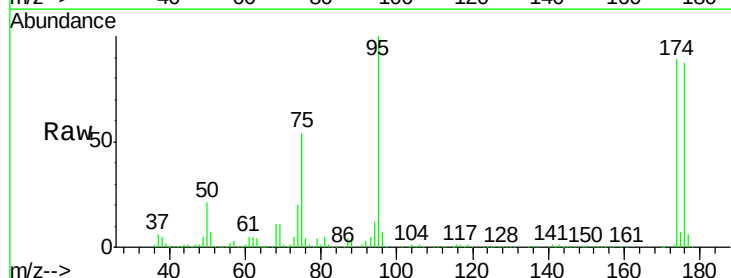
Tgt Ion: 95 Resp: 163098

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.4

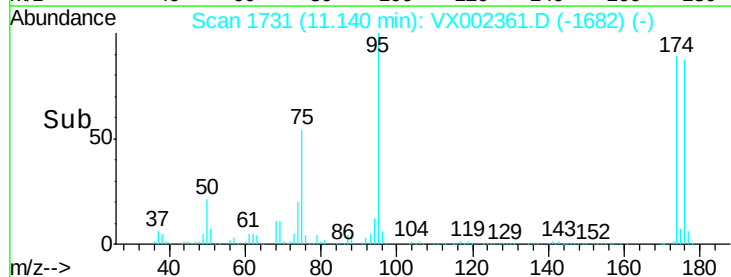
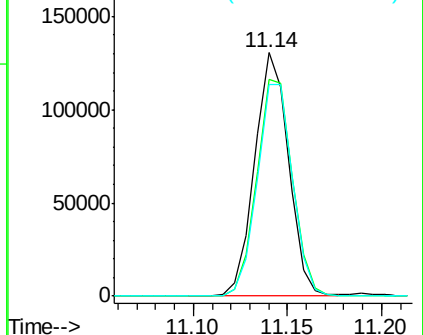
176 91.4 0.0 181.0

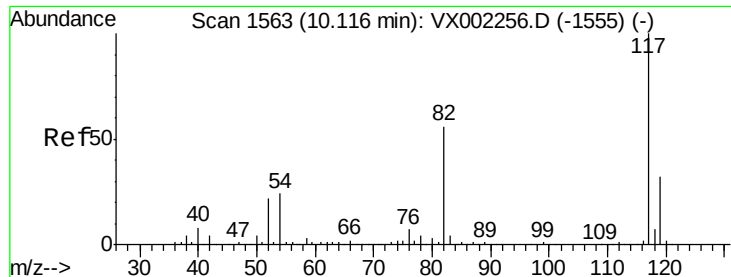


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

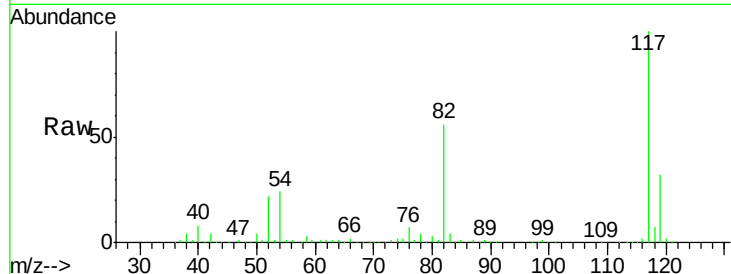




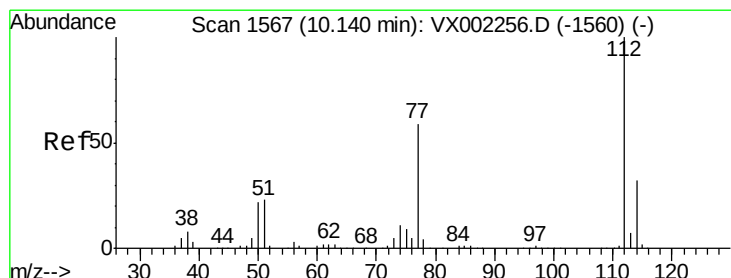
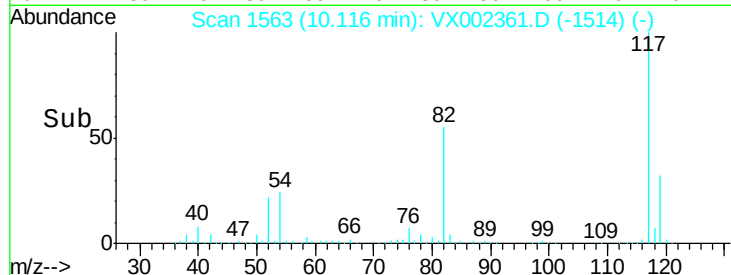
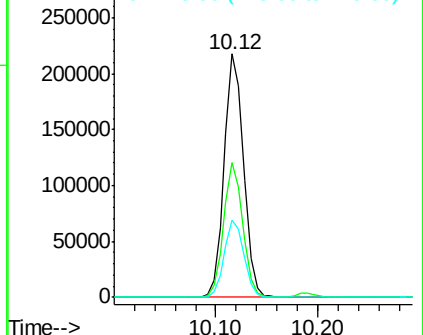
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Instrument :
MSVOA_X
ClientSampled :
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Tot Ion:117 Resp: 288353
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.9 25.8 38.6

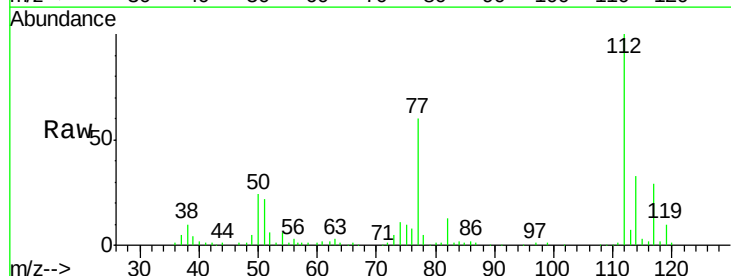


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

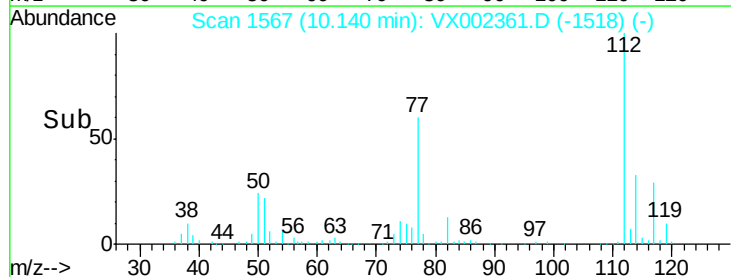
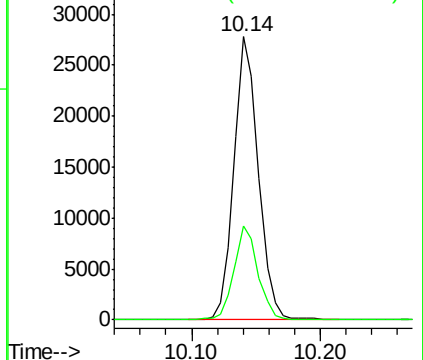


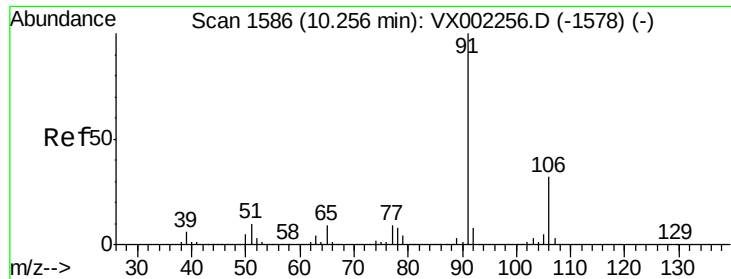
#65
Chlorobenzene
Concen: 5.13 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Tgt Ion:112 Resp: 36814
Ion Ratio Lower Upper
112 100
114 33.0 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

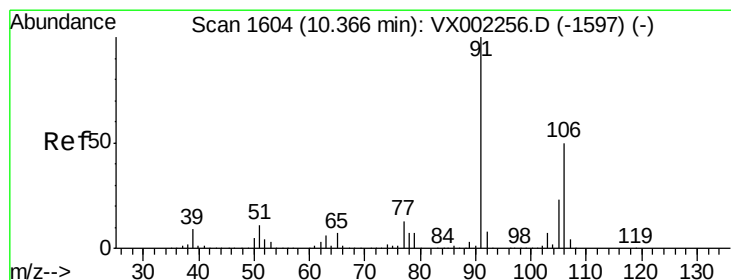
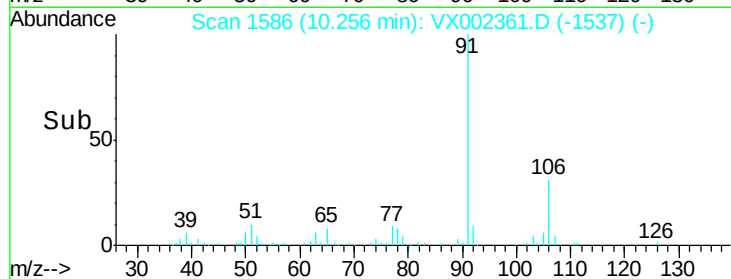
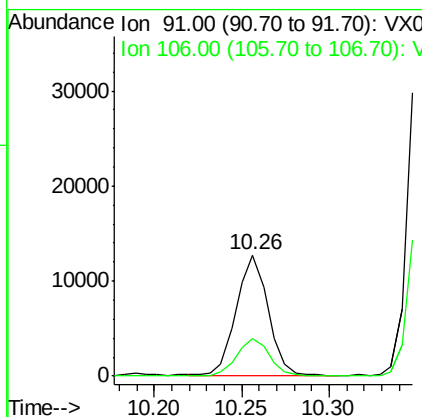
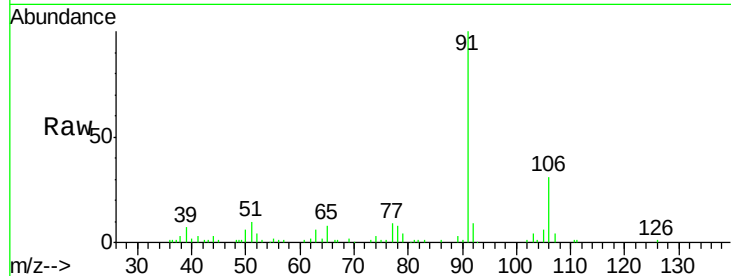




#67
Ethyl Benzene
Concen: 1.33 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

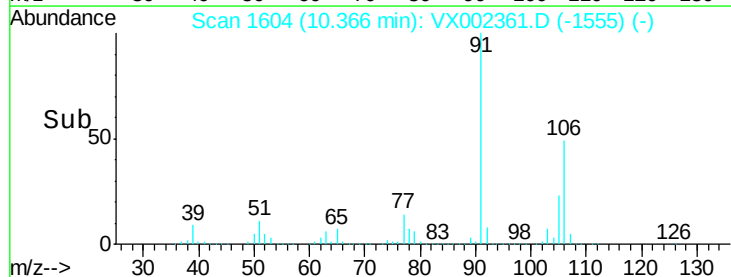
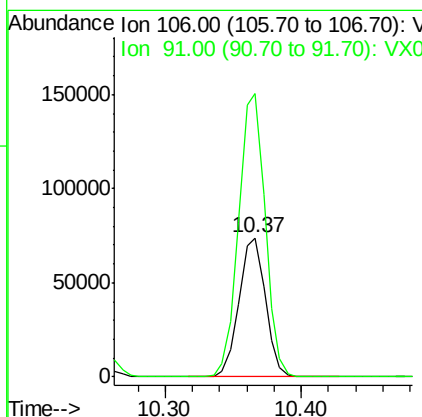
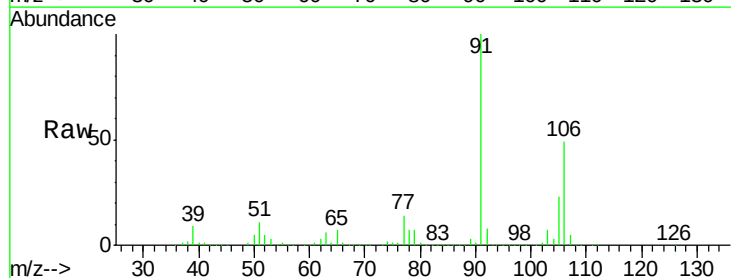
Instrument :
MSVOA_X
ClientSampled :
W-06

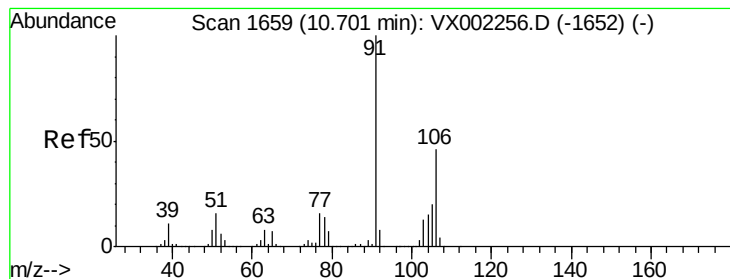
Tot Ion: 91 Resp: 15946
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 21.47 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Tgt Ion: 106 Resp: 100214
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2





#69

o-Xylene

Concen: 4.77 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

Instrument :

MSVOA_X

ClientSampled :

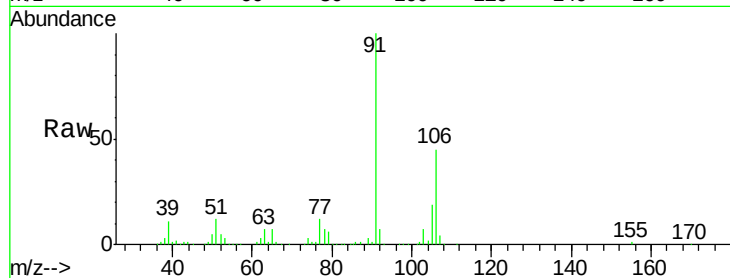
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Tot Ion:106 Resp: 22146

Ion Ratio Lower Upper

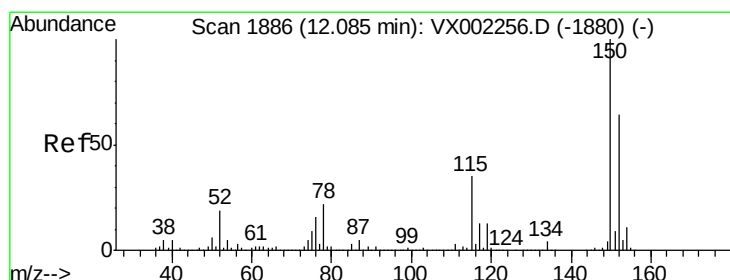
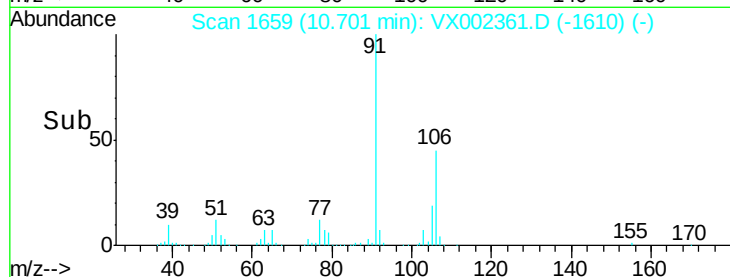
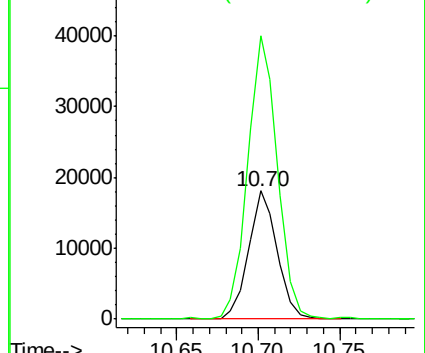
106 100

91 228.9 108.2 324.6



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

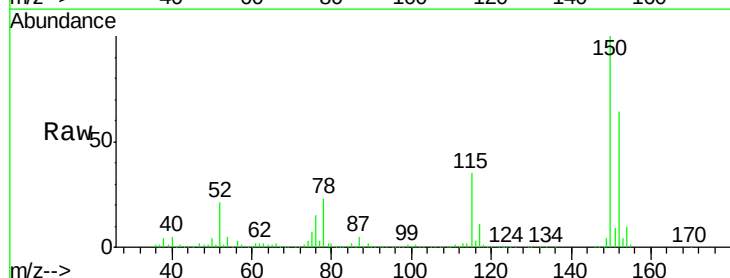
Tgt Ion:152 Resp: 171085

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

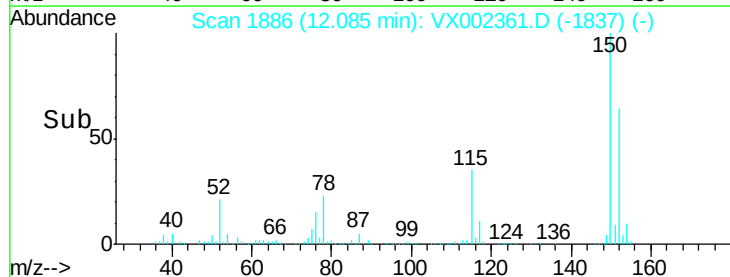
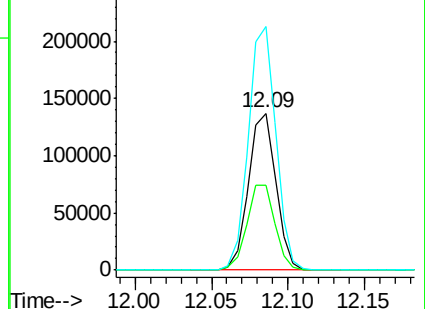
150 155.9 0.0 347.2

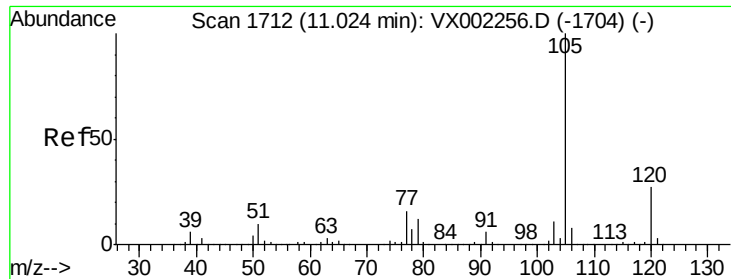


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 13.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002361.D

Acq: 06 Jun 2018 19:02

Instrument :

MSVOA_X

ClientSampleId :

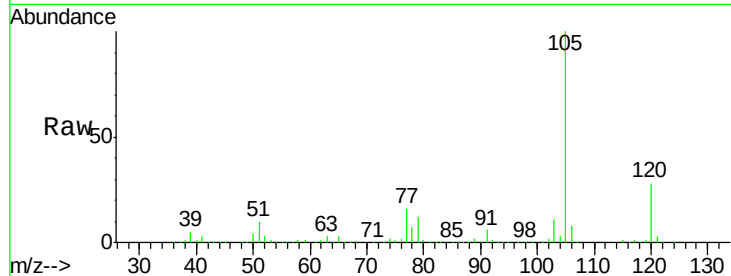
W-06

Tot Ion:105 Resp: 157934

Ion Ratio Lower Upper

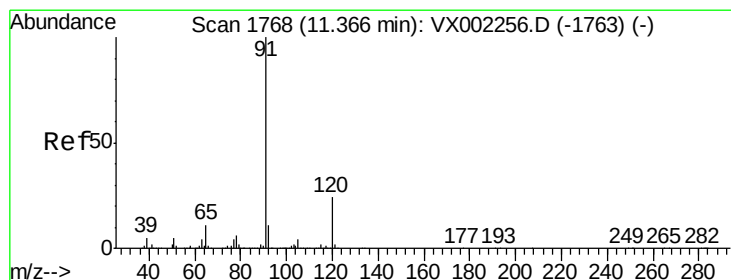
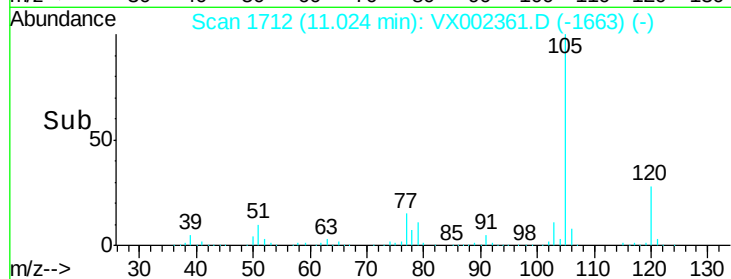
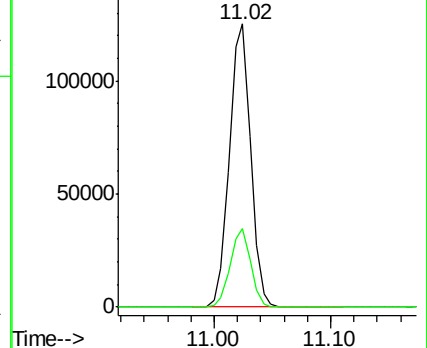
105 100

120 26.9 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: 18.22 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002361.D

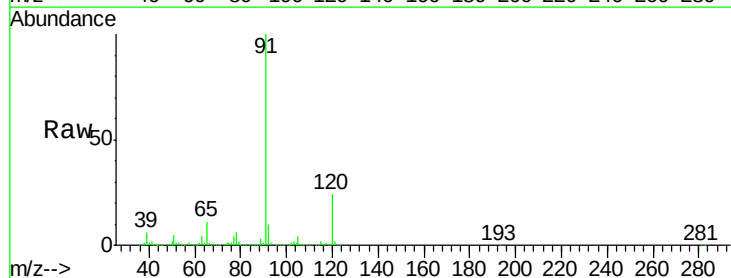
Acq: 06 Jun 2018 19:02

Tgt Ion: 91 Resp: 240991

Ion Ratio Lower Upper

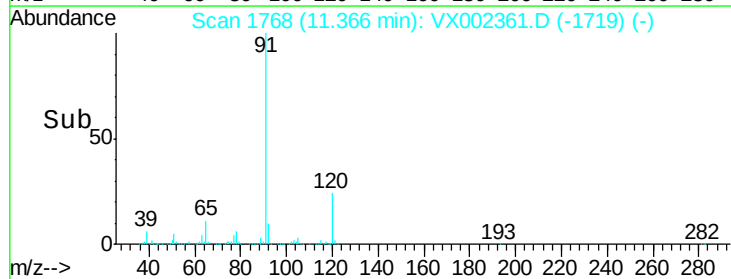
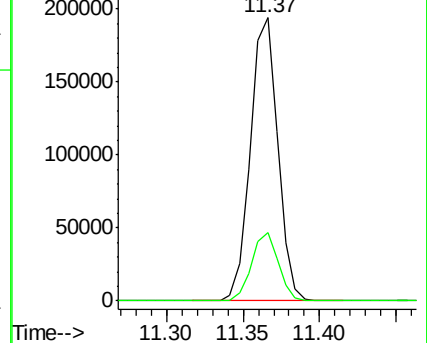
91 100

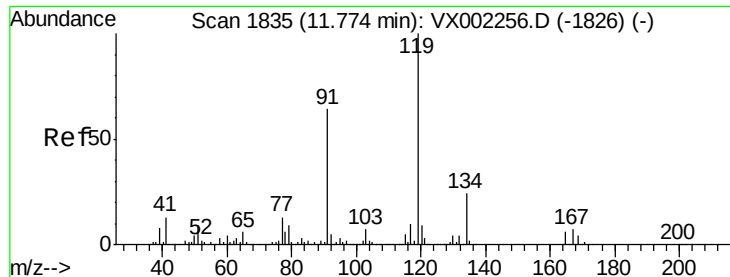
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

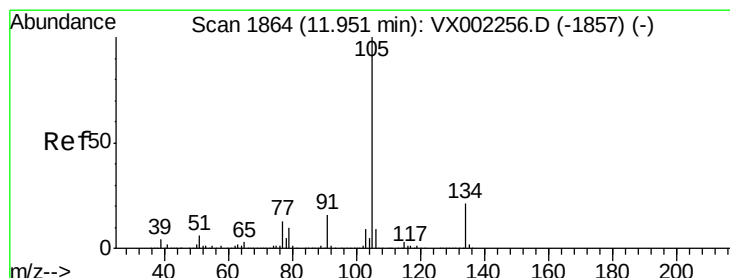
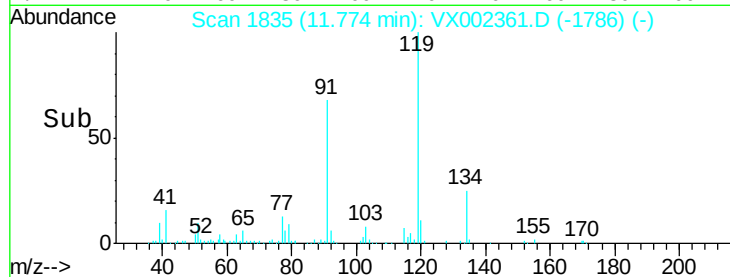
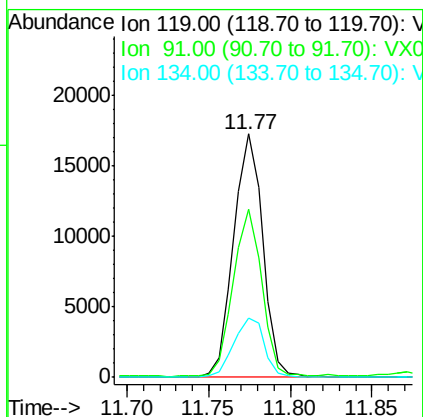
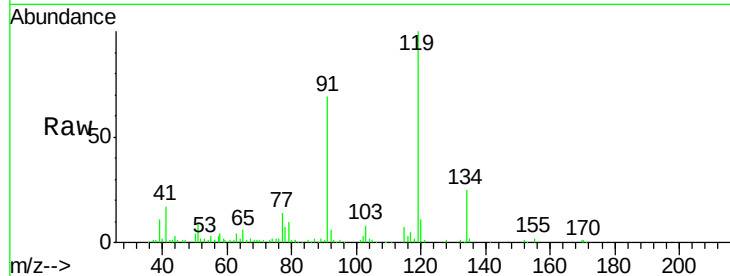




#83
tert-Butylbenzene
Concen: 2.17 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

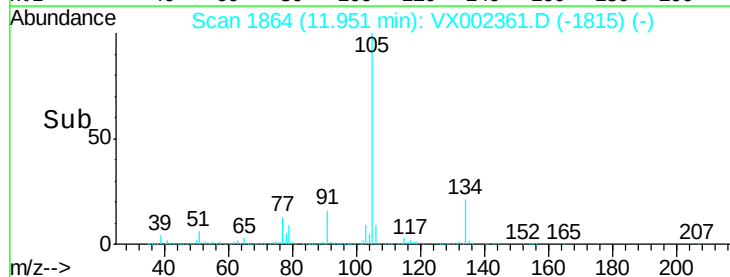
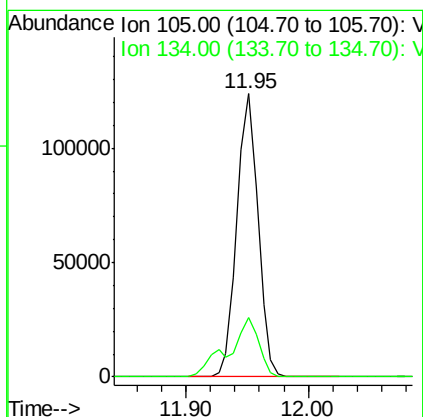
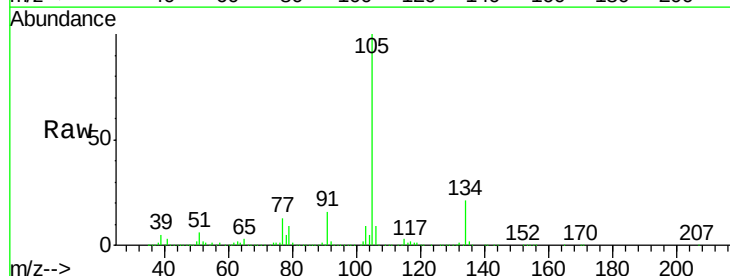
Instrument :
MSVOA_X
ClientSampled :
W-06

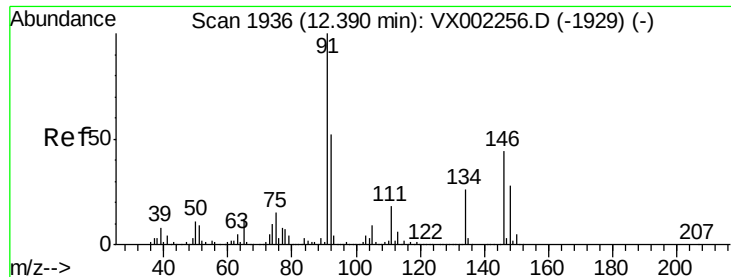
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	30.3	90.9
134	25.5	11.7	35.1



#85
sec-Butylbenzene
Concen: 12.68 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	29.8	10.4	31.1

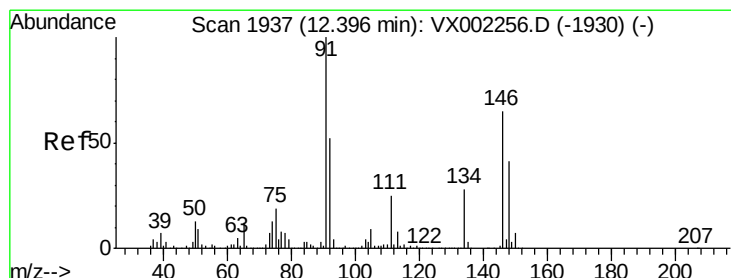
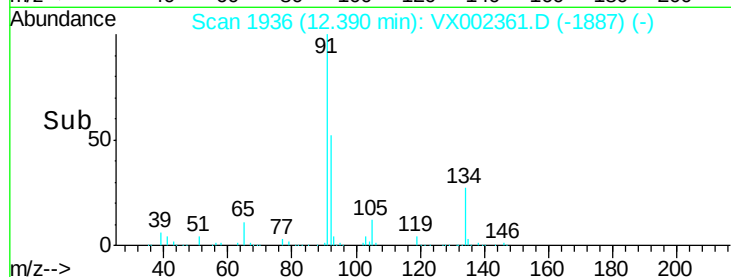
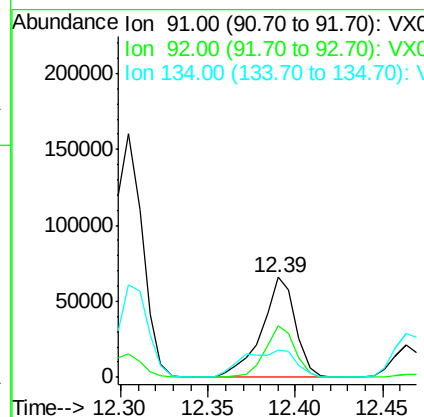
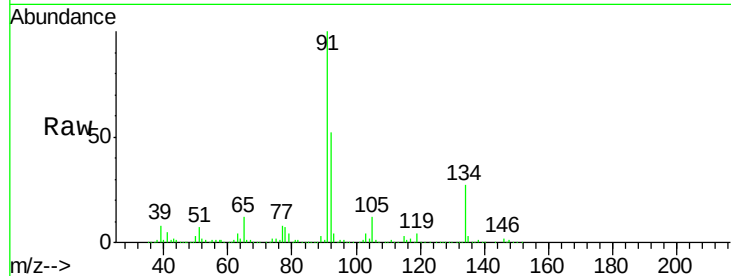




#89
n-Butylbenzene
Concen: 9.96 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Instrument :
MSVOA_X
ClientSampled :
W-06

Tot Ion: 91 Resp: 88664
Ion Ratio Lower Upper
91 100
92 46.1 26.0 78.0
134 42.6 13.5 40.5#



#91
1,2-Dichlorobenzene
Concen: 0.35 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002361.D
Acq: 06 Jun 2018 19:02

Tgt Ion: 146 Resp: 2134
Ion Ratio Lower Upper
146 100
111 53.2 19.4 58.1
148 57.8 31.7 95.1

