

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002543.D
 Acq On : 14 Jun 2018 07:34
 Operator : JC/MD
 Sample : J3413-09
 Misc : 7.27g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P-9R

Quant Time: Jun 14 08:18:05 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	5.66	168	294207	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	421938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	405905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	271381	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	193237	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	
35) Dibromofluoromethane	5.51	113	142316	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	
50) Toluene-d8	8.72	98	601406	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	11.15	95	244167	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	

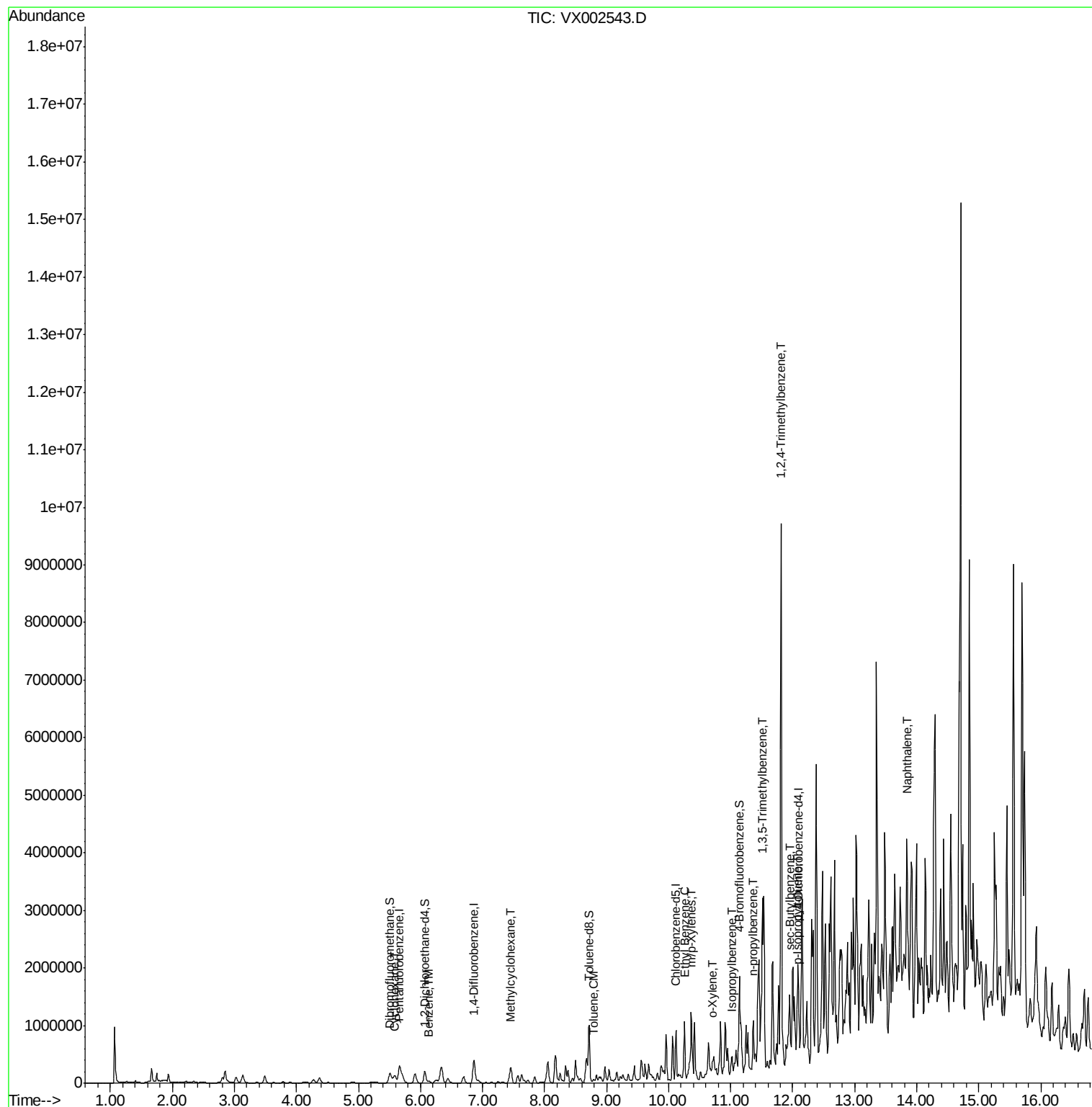
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	63463	11.947	ug/l #	89
39) Methylcyclohexane	7.46	83	117562	21.602	ug/l	95
40) Benzene	6.14	78	34726	2.553	ug/l	98
52) Toluene	8.79	92	11322	1.309	ug/l	93
67) Ethyl Benzene	10.26	91	500096	29.587	ug/l	98
68) m/p-Xylenes	10.37	106	229241	34.890	ug/l	100
69) o-Xylene	10.71	106	37211	5.691	ug/l	99
73) Isopropylbenzene	11.02	105	135022	7.152	ug/l	100
78) n-propylbenzene	11.37	91	552110	26.312	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1126694	69.581	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	3932176	235.906	ug/l	98
85) sec-Butylbenzene	11.95	105	228990	12.388	ug/l	78
86) p-Isopropyltoluene	12.07	119	174563	10.367	ug/l	99
95) Naphthalene	13.84	128	1911252	96.756	ug/l	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061318\
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Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

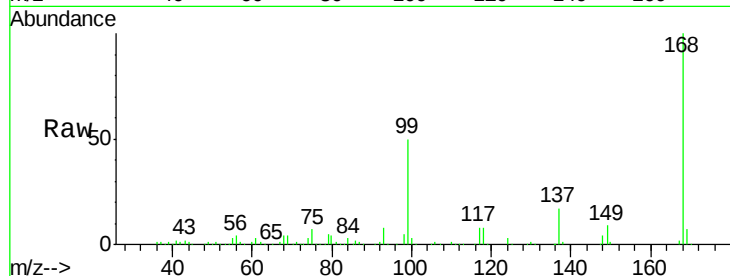
P-9R

Tot Ion:168 Resp: 294207

Ion Ratio Lower Upper

168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

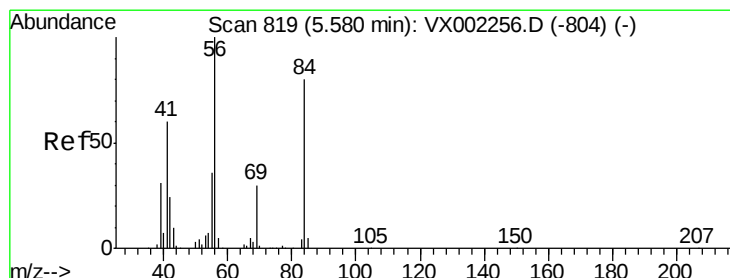
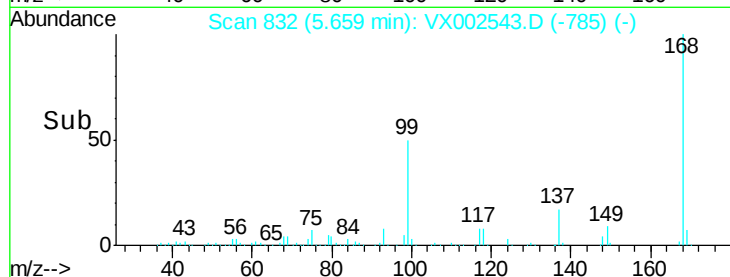
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 11.947 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

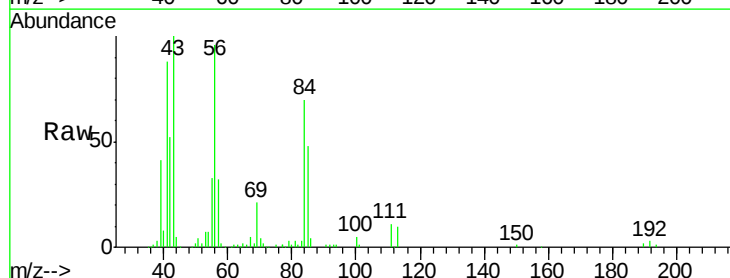
Tgt Ion: 56 Resp: 63463

Ion Ratio Lower Upper

56 100

69 17.2 23.7 35.5#

84 74.2 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

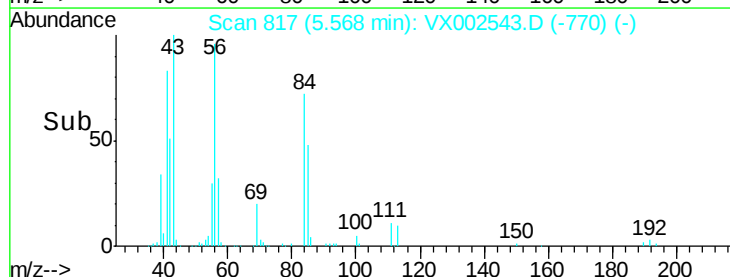
30000

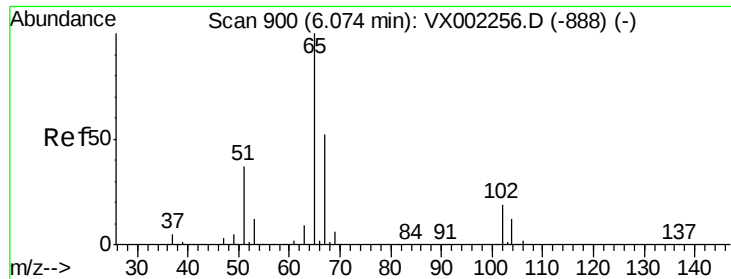
20000

10000

0

Time-->

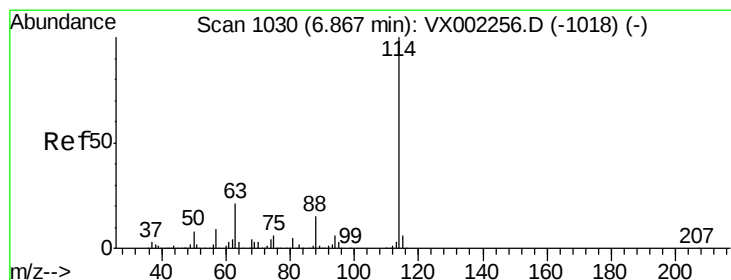
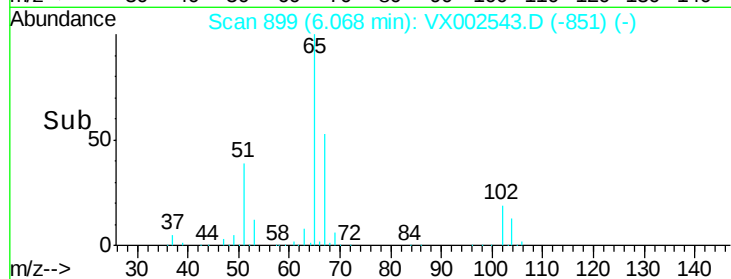
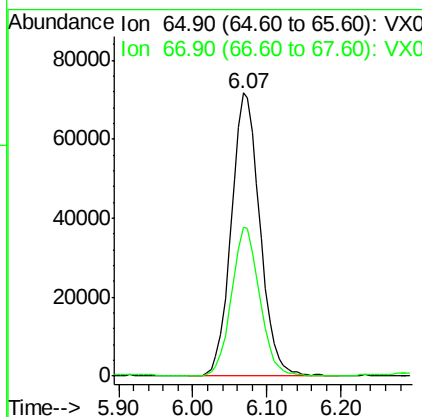
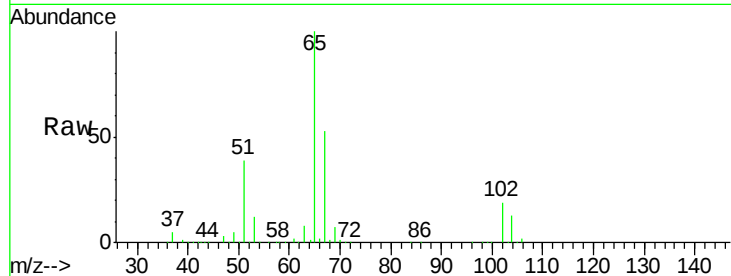




#33
 1,2-Dichloroethane-d4
 Concen: 45.628 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX002543.D
 Acq: 14 Jun 2018 07:34

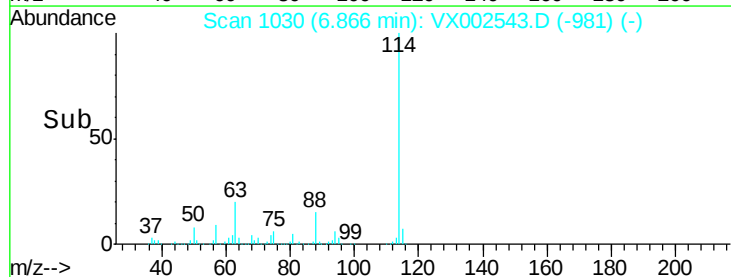
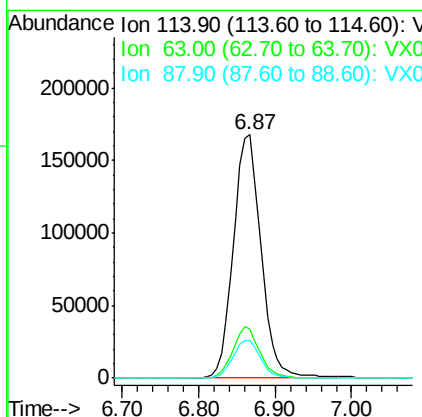
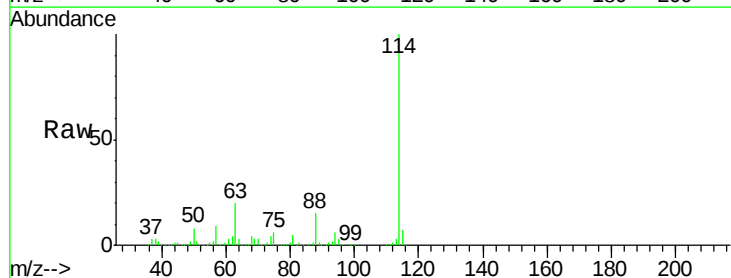
Instrument :
 MSVOA_X
 ClientSampleId :
 P-9R

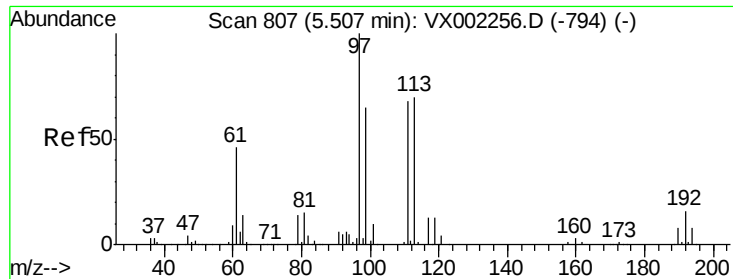
Tot Ion: 65 Resp: 193237
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002543.D
 Acq: 14 Jun 2018 07:34

Tgt Ion: 114 Resp: 421938
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 42.890 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

P-9R

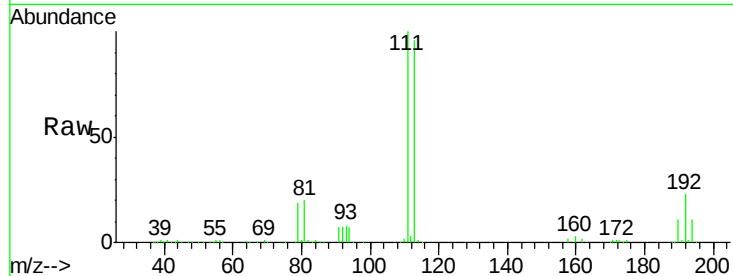
Tot Ion:113 Resp: 142316

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

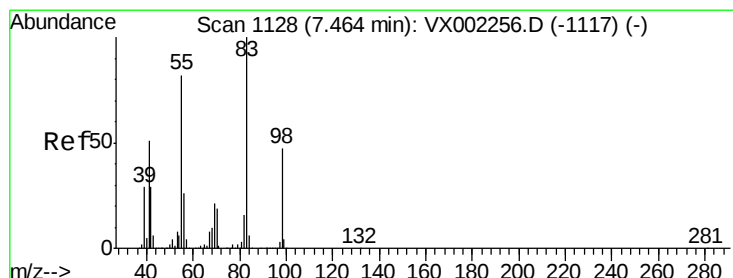
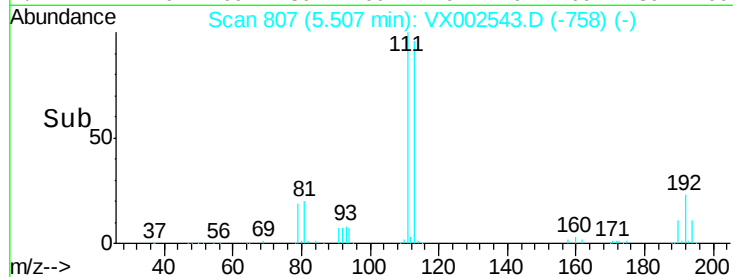
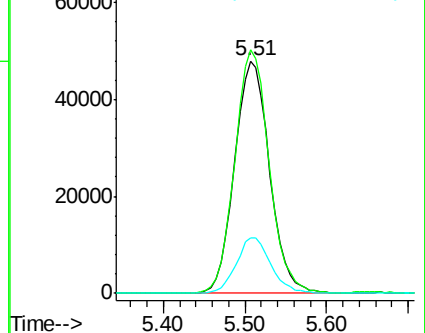
192 23.5 19.1 28.7



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

Methylcyclohexane

Concen: 21.602 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

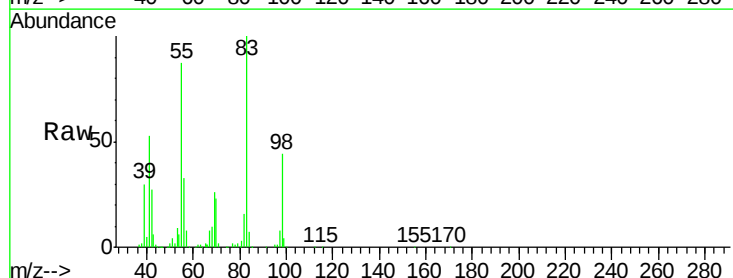
Tgt Ion: 83 Resp: 117562

Ion Ratio Lower Upper

83 100

55 86.3 65.4 98.0

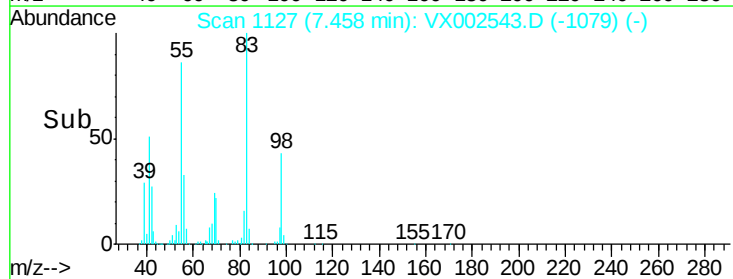
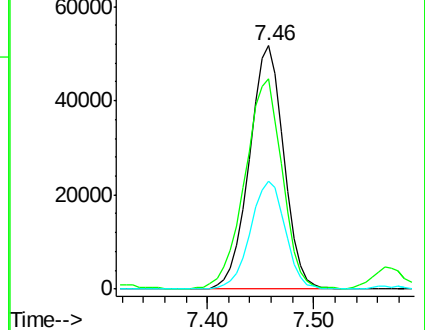
98 44.4 37.4 56.0

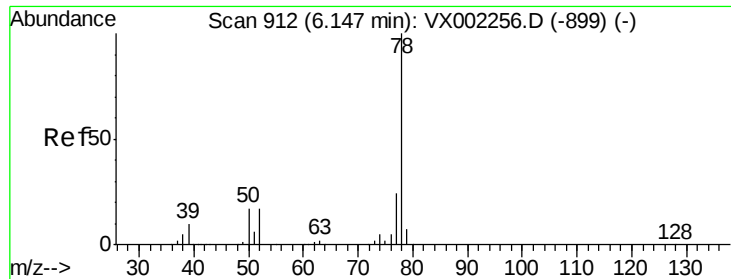


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.553 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampled :

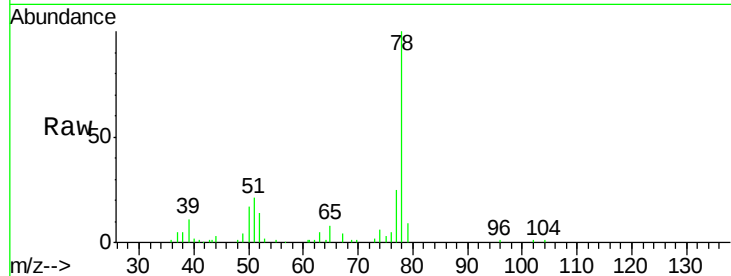
P-9R

Tot Ion: 78 Resp: 34726

Ion Ratio Lower Upper

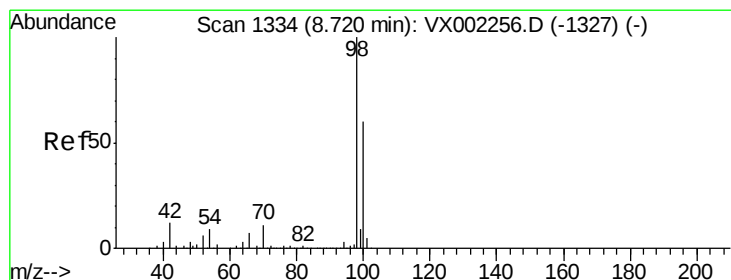
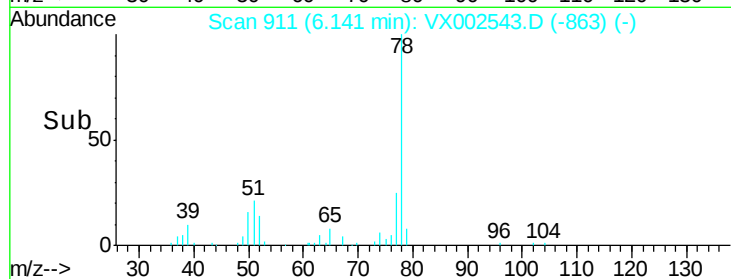
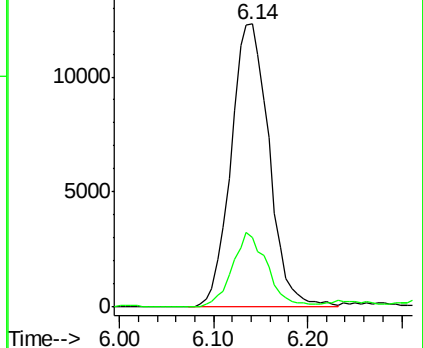
78 100

77 24.7 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: 47.287 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002543.D

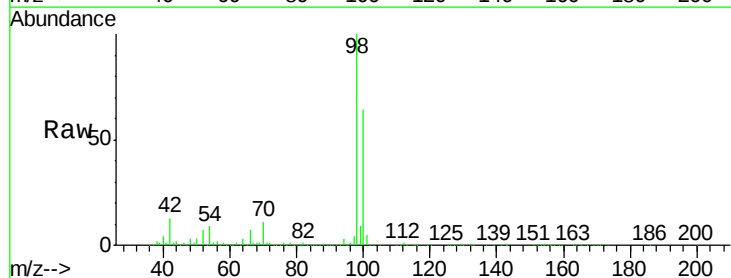
Acq: 14 Jun 2018 07:34

Tgt Ion: 98 Resp: 601406

Ion Ratio Lower Upper

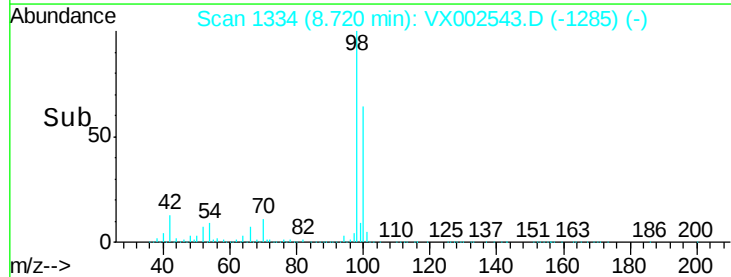
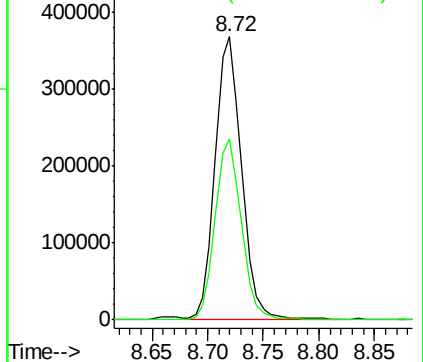
98 100

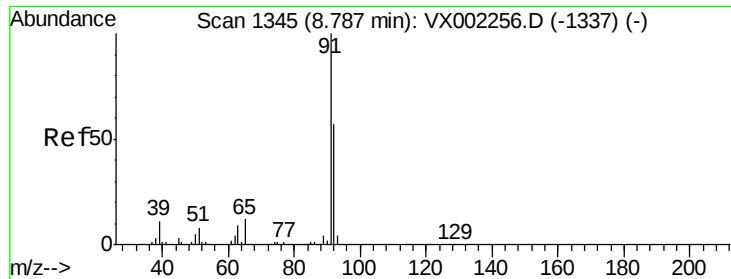
100 64.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.309 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampled :

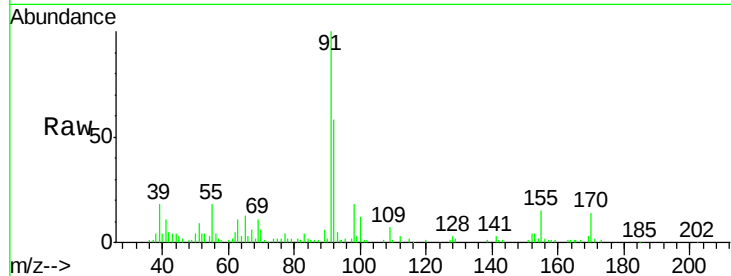
P-9R

Tot Ion: 92 Resp: 11322

Ion Ratio Lower Upper

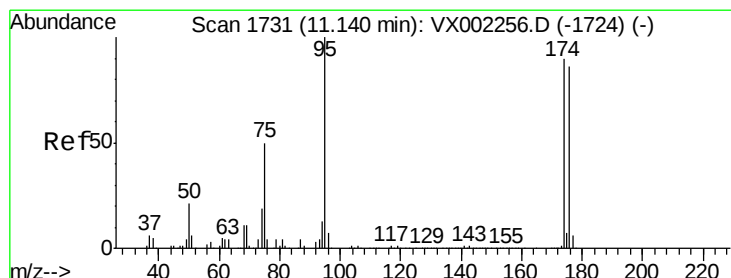
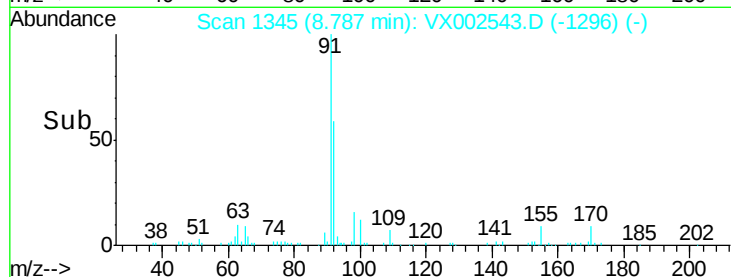
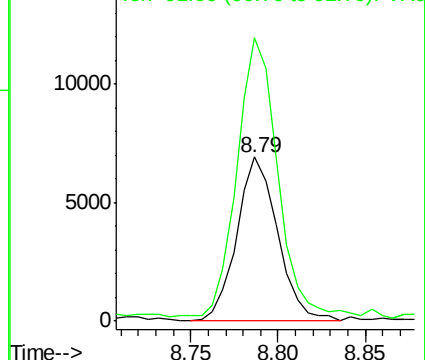
92 100

91 165.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.786 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

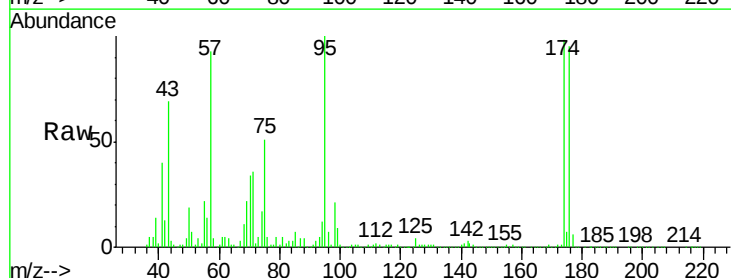
Tgt Ion: 95 Resp: 244167

Ion Ratio Lower Upper

95 100

174 93.3 0.0 187.4

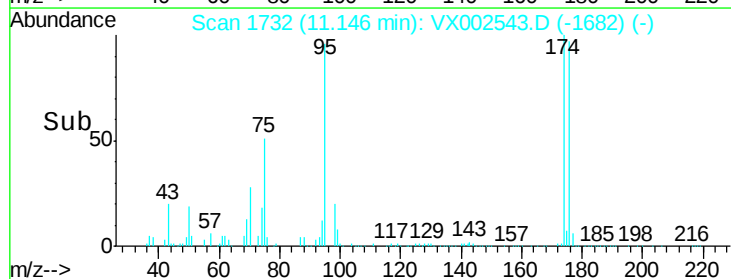
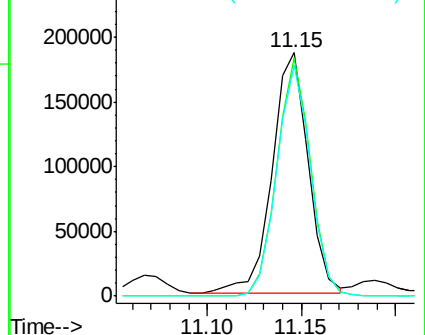
176 90.9 0.0 181.0

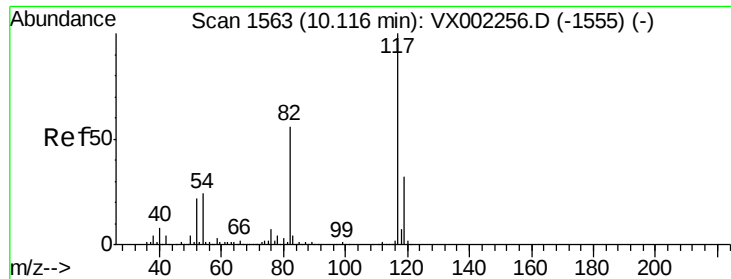


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

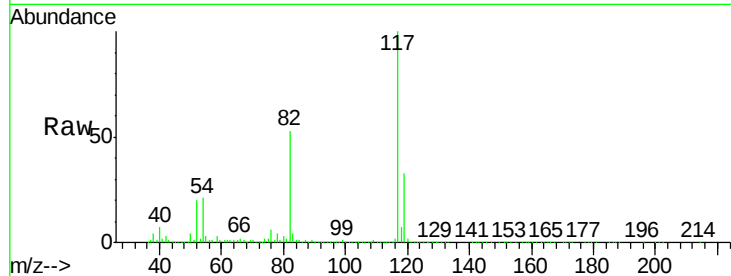




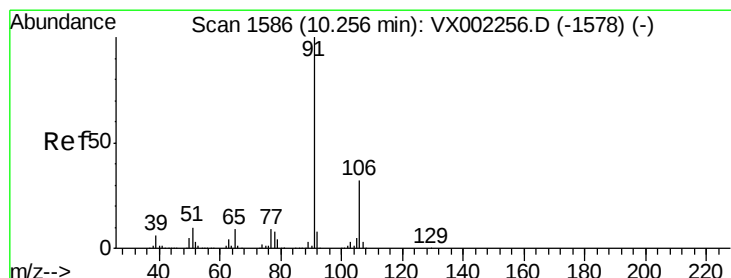
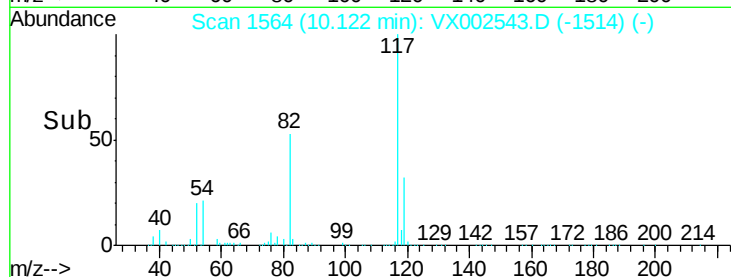
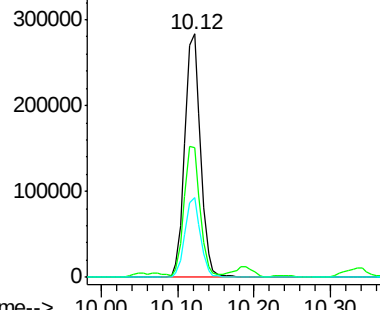
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Instrument :
MSVOA_X
ClientSampleId :
P-9R

Tot Ion:117 Resp: 405905
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 32.5 25.8 38.6

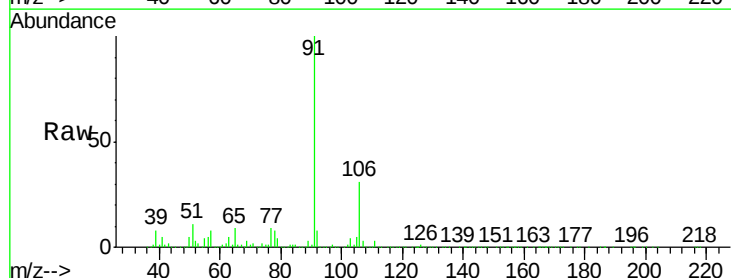


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

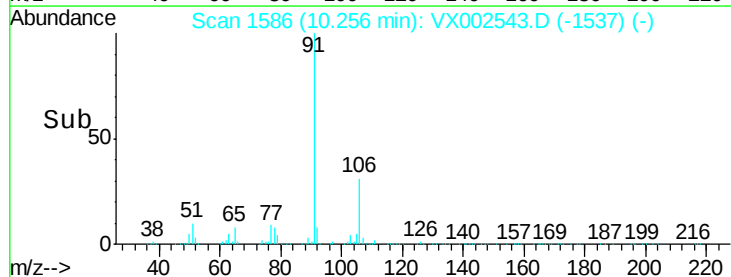
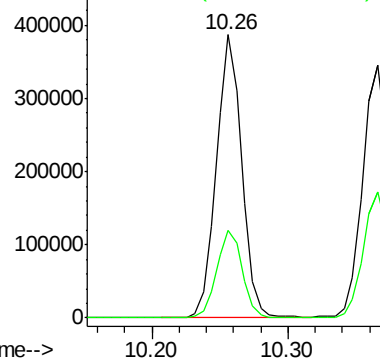


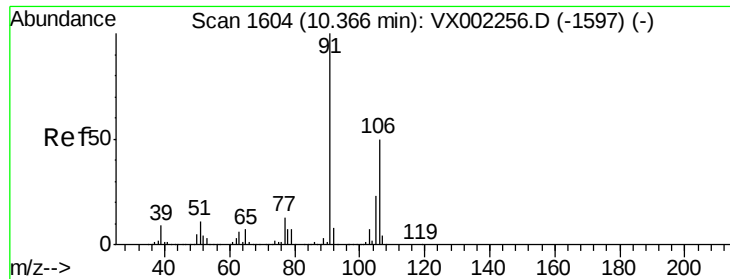
#67
Ethyl Benzene
Concen: 29.587 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Tgt Ion: 91 Resp: 500096
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



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

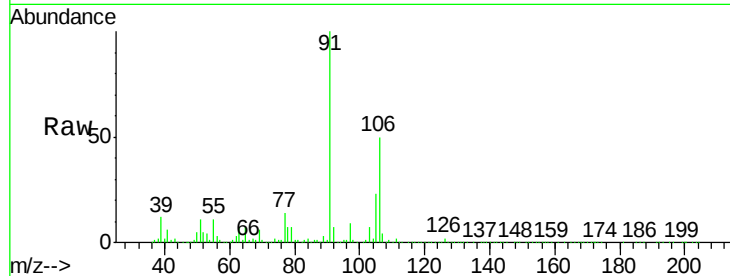




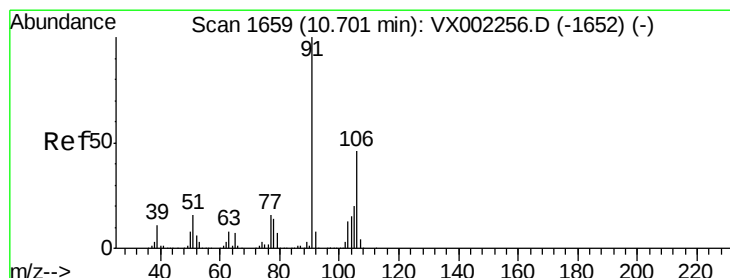
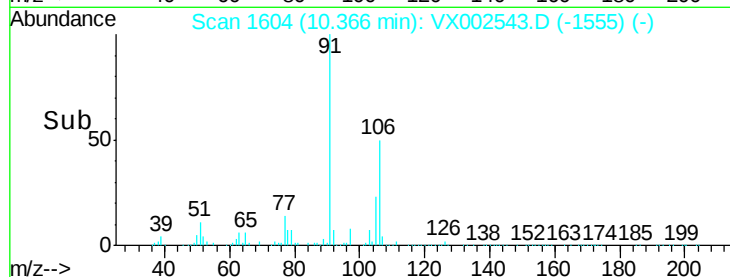
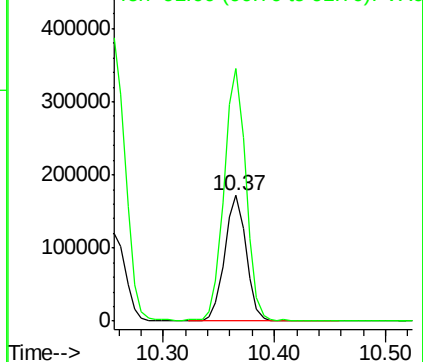
#68
m/p-Xvlenes
Concen: 34.890 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Instrument :
MSVOA_X
ClientSampleId :
P-9R

Tot Ion:106 Resp: 229241
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2

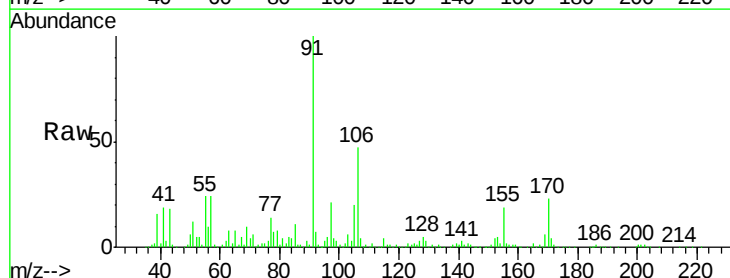


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

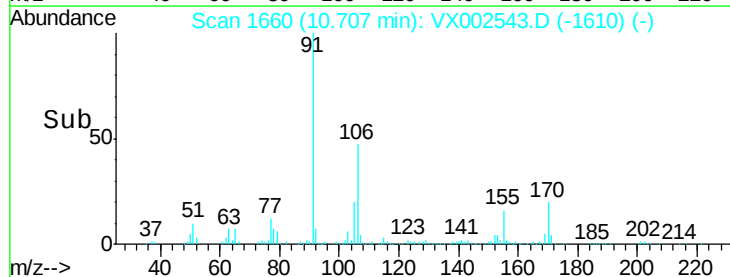
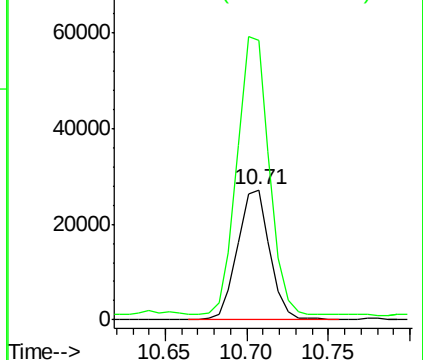


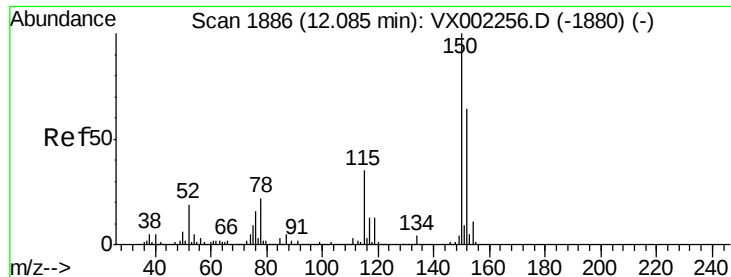
#69
o-Xylene
Concen: 5.691 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Tgt Ion:106 Resp: 37211
Ion Ratio Lower Upper
106 100
91 214.8 108.2 324.6



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



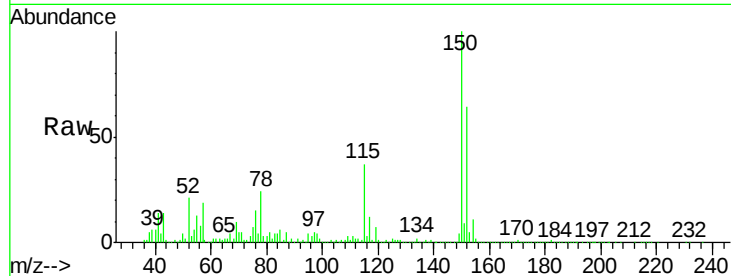


#72

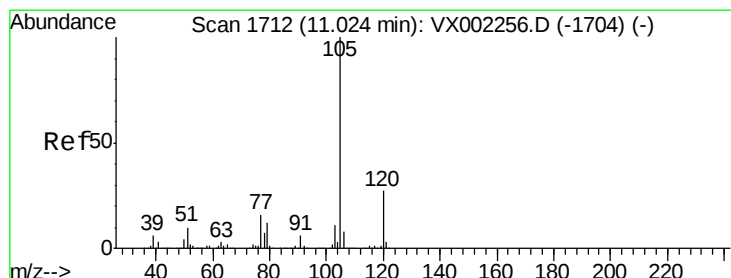
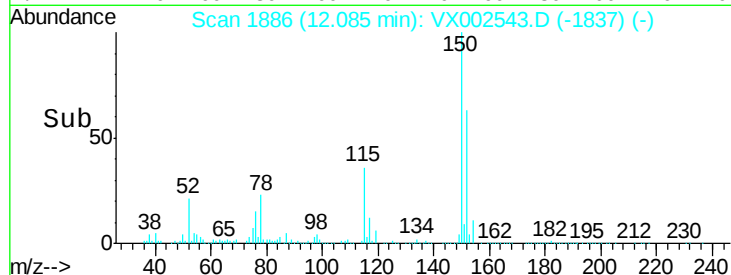
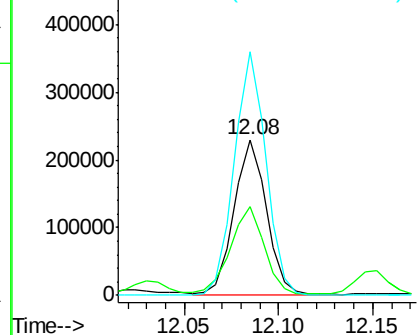
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Instrument :
MSVOA_X
ClientSampleId :
P-9R

Tot Ion:152 Resp: 271381
Ion Ratio Lower Upper
152 100
115 59.3 40.1 120.2
150 154.4 0.0 347.2



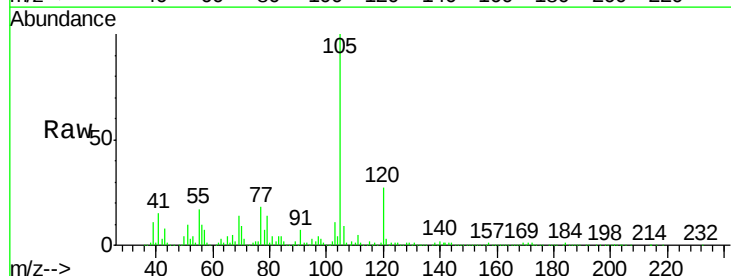
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



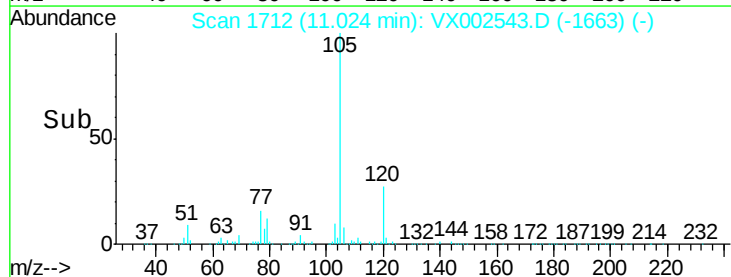
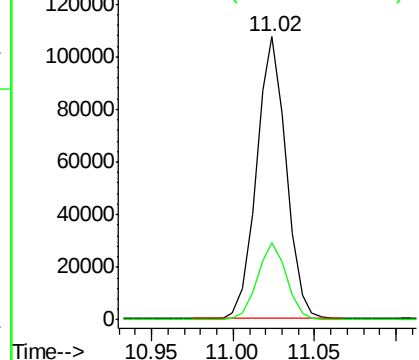
#73

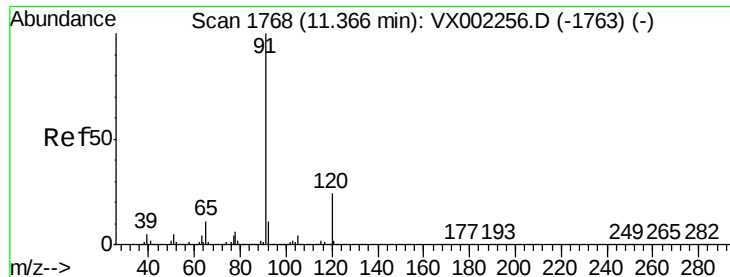
Isopropylbenzene
Concen: 7.152 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002543.D
Acq: 14 Jun 2018 07:34

Tgt Ion:105 Resp: 135022
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: 26.312 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampled :

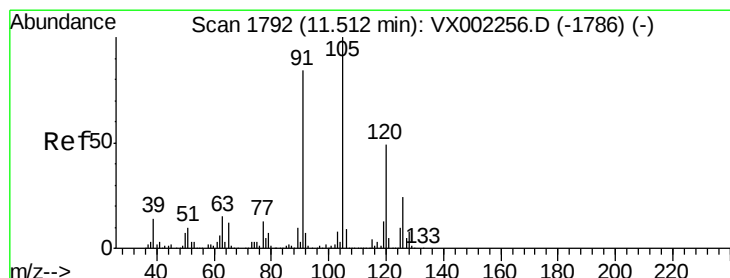
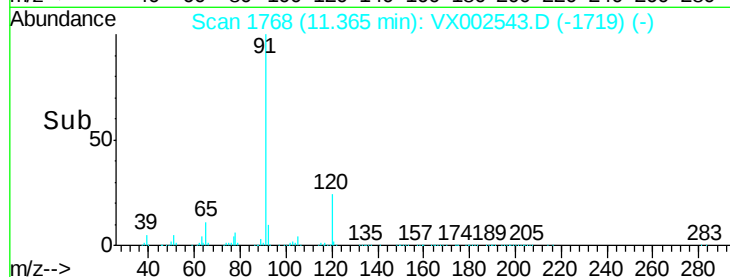
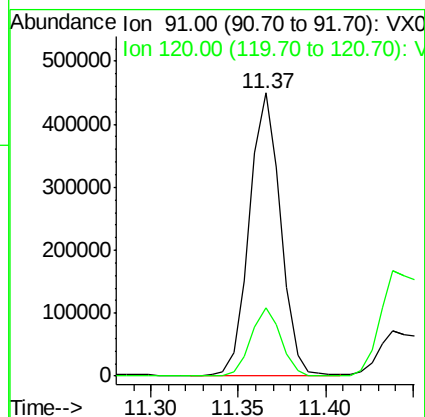
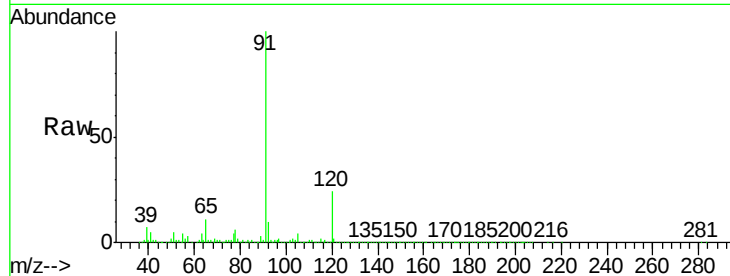
P-9R

Tot Ion: 91 Resp: 552110

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 69.581 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002543.D

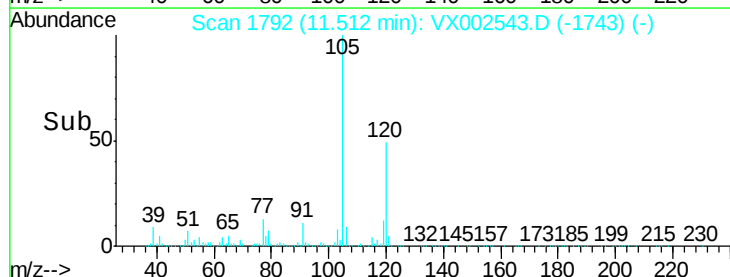
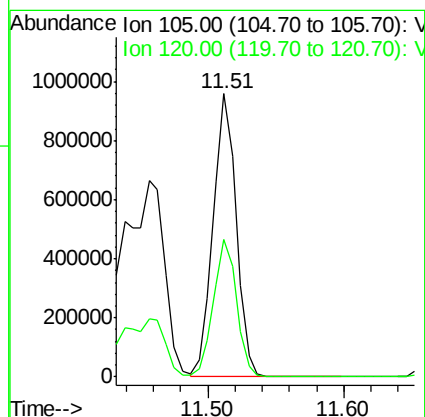
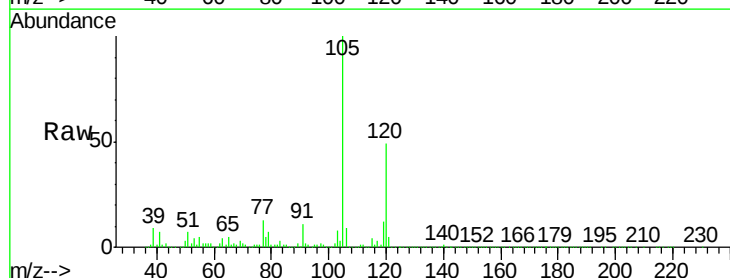
Acq: 14 Jun 2018 07:34

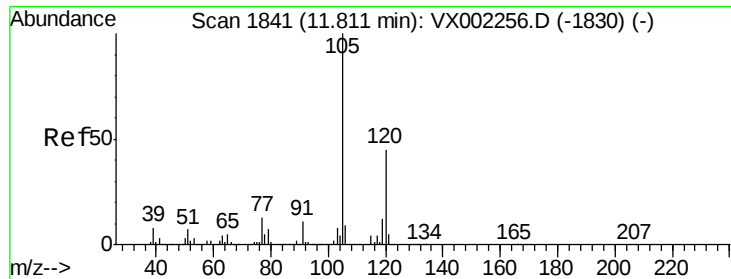
Tgt Ion:105 Resp: 1126694

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 235.906 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

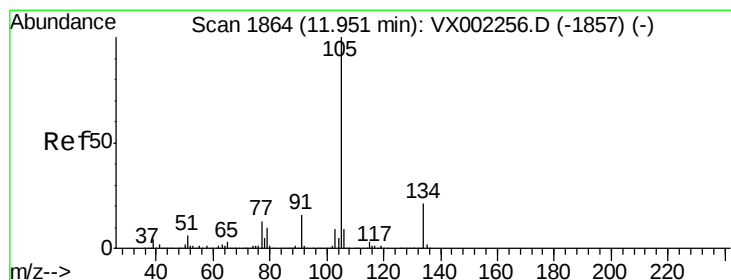
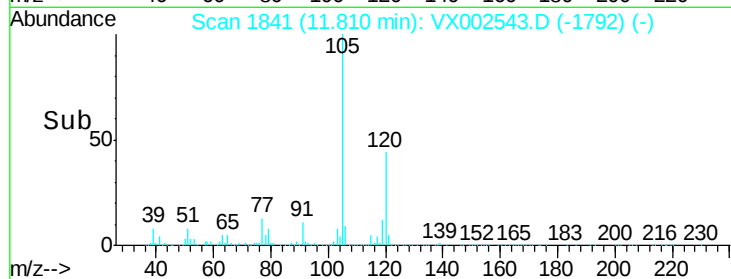
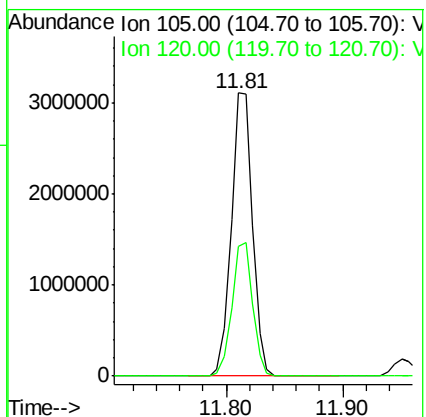
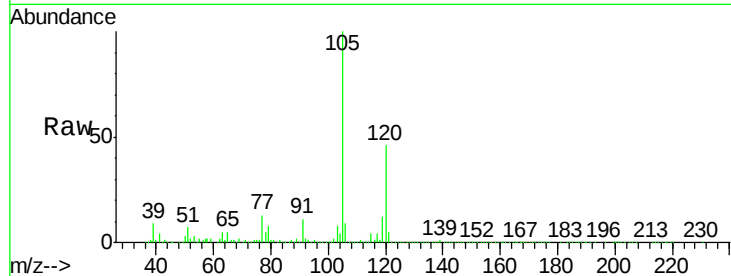
P-9R

Tot Ion:105 Resp: 3932176

Ion Ratio Lower Upper

105 100

120 46.1 22.3 66.8



#85

sec-Butylbenzene

Concen: 12.388 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002543.D

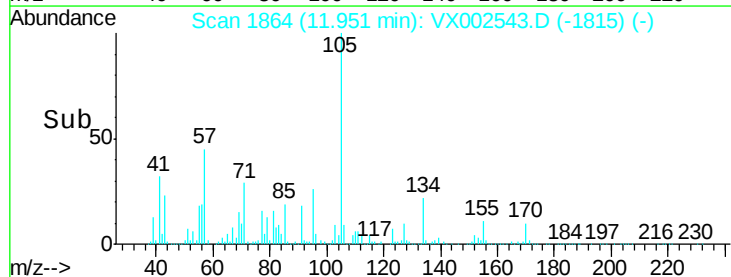
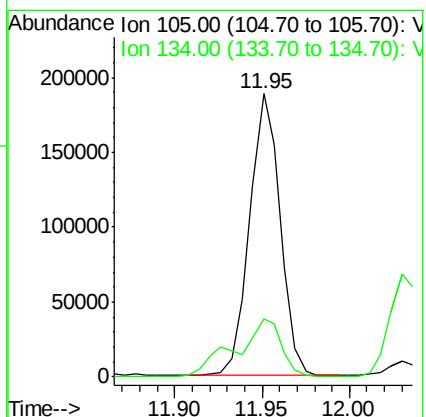
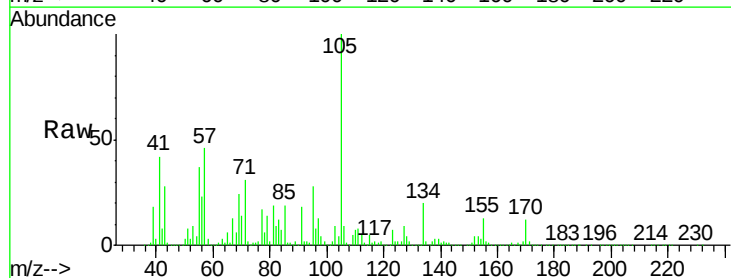
Acq: 14 Jun 2018 07:34

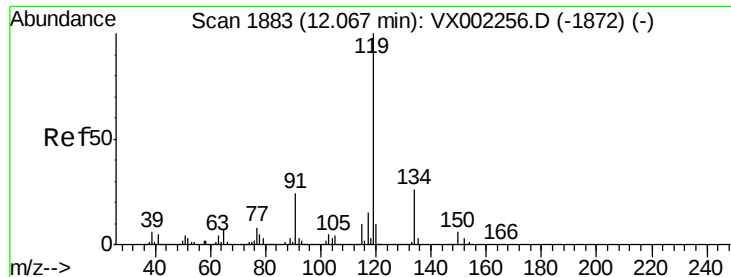
Tgt Ion:105 Resp: 228990

Ion Ratio Lower Upper

105 100

134 30.9 10.4 31.1





#86

p-Isopropyltoluene

Concen: 10.367 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

P-9R

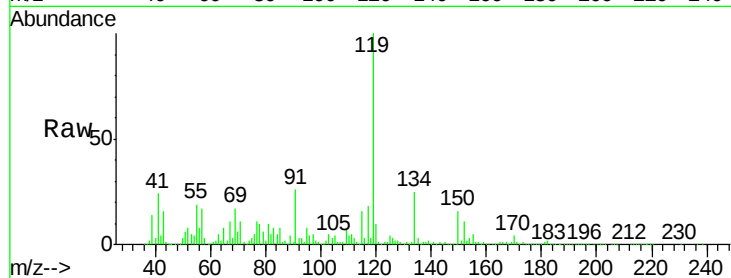
Tot Ion:119 Resp: 174563

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

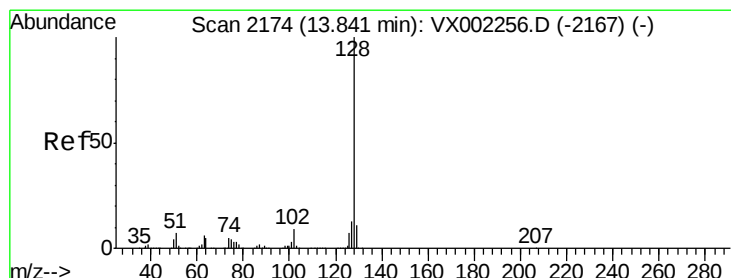
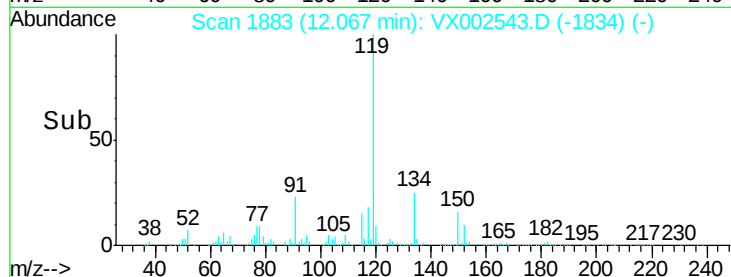
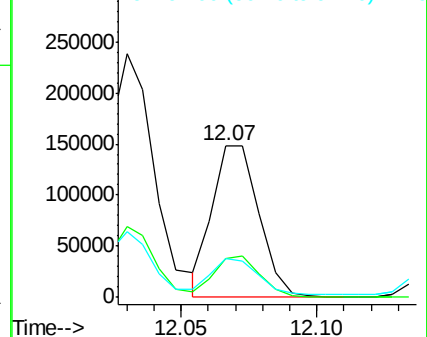
91 24.6 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 96.756 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002543.D

Acq: 14 Jun 2018 07:34

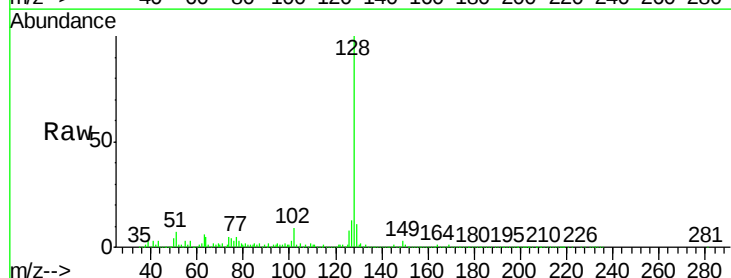
Tgt Ion:128 Resp: 1911252

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 12.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

