

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021519\
 Data File : VX007546.D
 Acq On : 14 Feb 2019 15:28
 Operator : JC/SP
 Sample : K1474-03DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW079-190211DL

Quant Time: Feb 15 07:16:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	479617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	759489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	719620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	365994	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	261073	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
35) Dibromofluoromethane	5.51	113	244143	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	910470	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.13	95	336115	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	

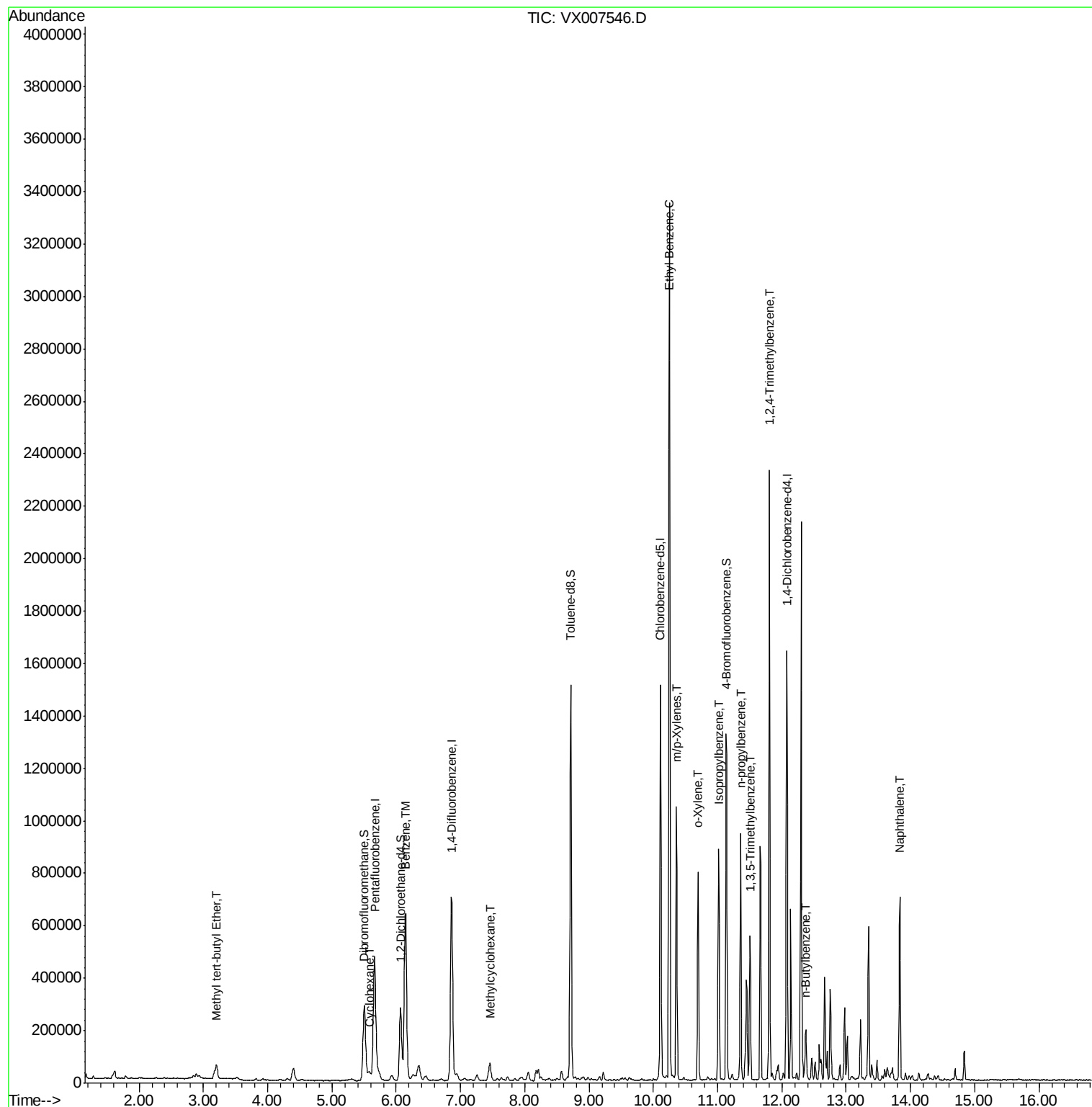
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.20	73	56232	3.790	ug/l	95
31) Cyclohexane	5.57	56	22436	3.169	ug/l #	85
39) Methylcyclohexane	7.46	83	27015	3.277	ug/l	95
40) Benzene	6.15	78	794283	39.569	ug/l	99
67) Ethyl Benzene	10.25	91	1885902	74.575	ug/l	98
68) m/p-Xylenes	10.36	106	235259	23.403	ug/l	100
69) o-Xylene	10.69	106	183529	18.973	ug/l	98
73) Isopropylbenzene	11.02	105	458094	18.419	ug/l	99
78) n-propylbenzene	11.36	91	566180	20.760	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	235488	11.573	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1002400	48.524	ug/l	100
89) n-Butylbenzene	12.38	91	30286	1.600	ug/l #	29
95) Naphthalene	13.83	128	437463	17.723	ug/l	99

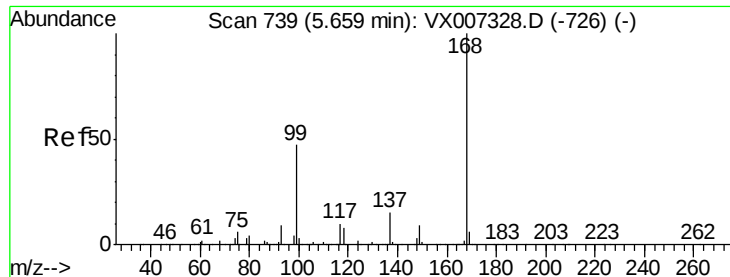
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

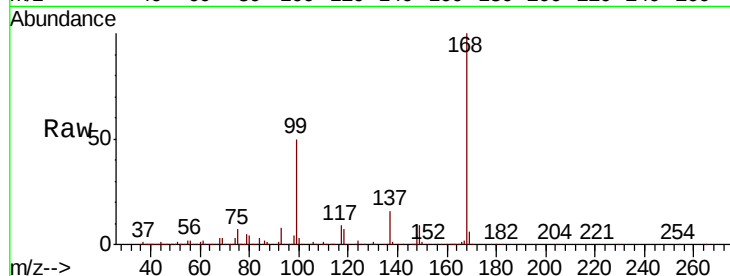
KY001MW079-190211DL

Tot Ion:168 Resp: 479617

Ion Ratio Lower Upper

168 100

99 50.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

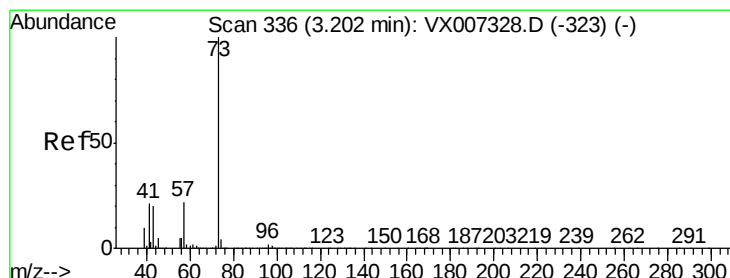
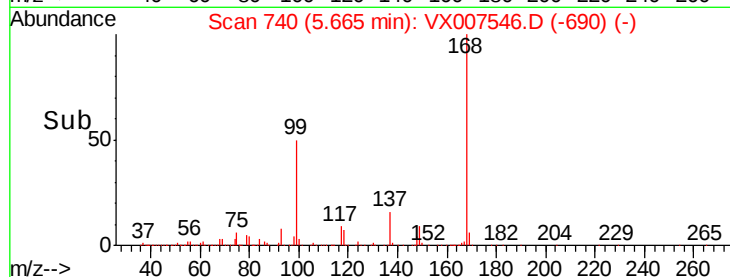
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#19

Methyl tert-butyl Ether

Concen: 3.790 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX007546.D

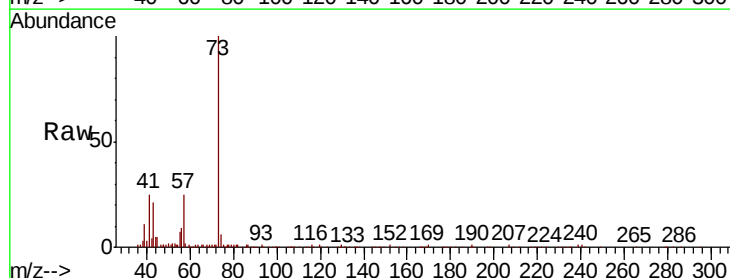
Acq: 14 Feb 2019 15:28

Tgt Ion: 73 Resp: 56232

Ion Ratio Lower Upper

73 100

57 24.6 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

25000

20000

15000

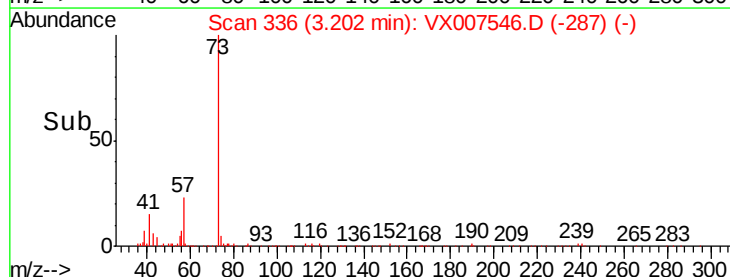
10000

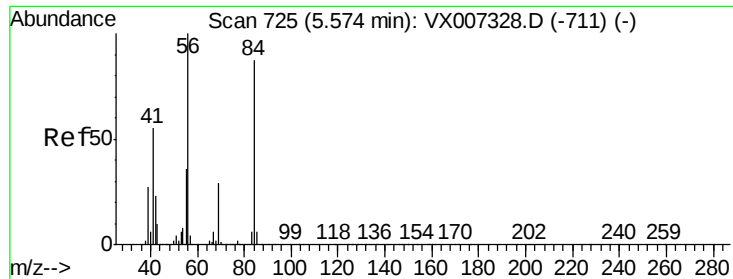
5000

0

3.10 3.20 3.30

Time-->

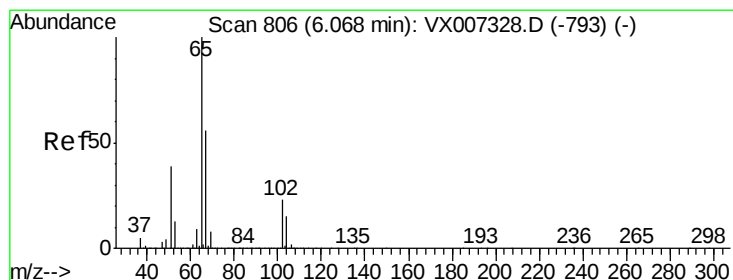
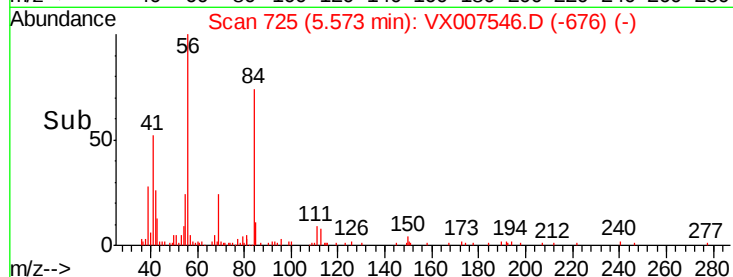
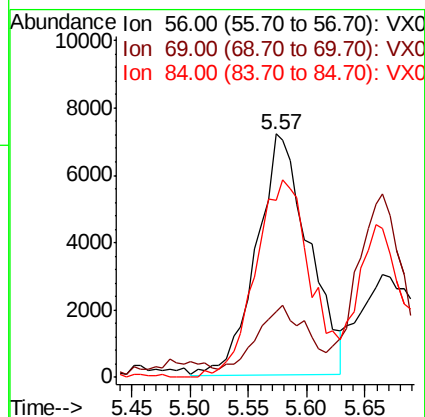
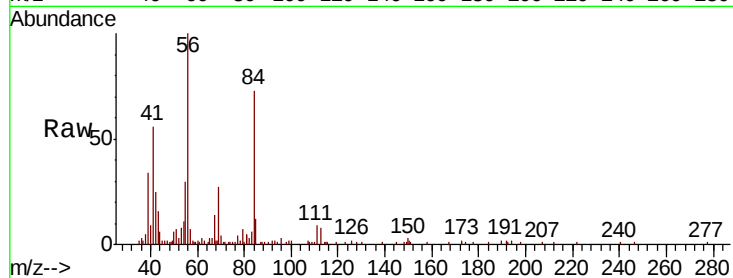




#31
Cyclohexane
Concen: 3.169 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

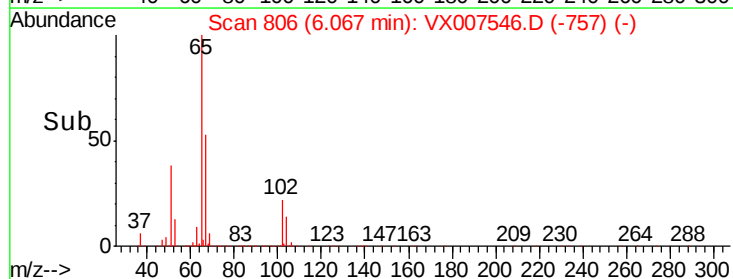
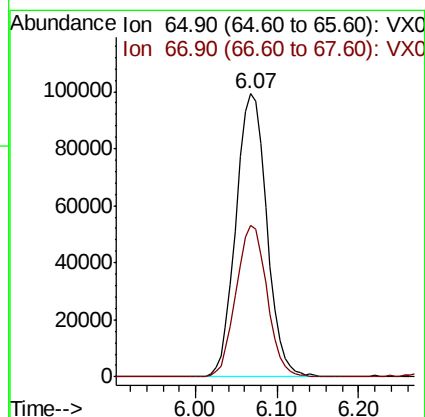
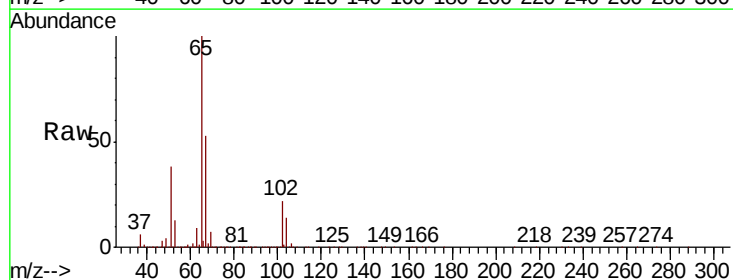
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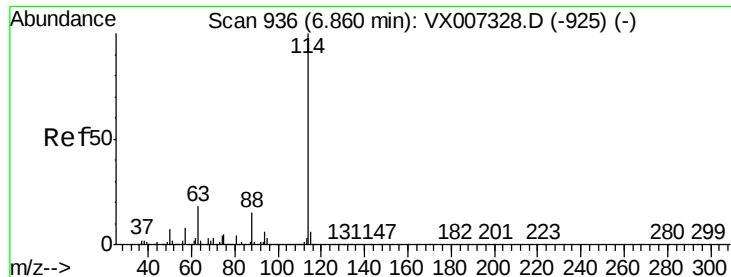
Tot Ion: 56 Resp: 22436
Ion Ratio Lower Upper
56 100
69 20.9 23.0 34.6#
84 73.7 69.8 104.6



#33
1,2-Dichloroethane-d4
Concen: 51.284 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

Tgt Ion: 65 Resp: 261073
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-190211DL

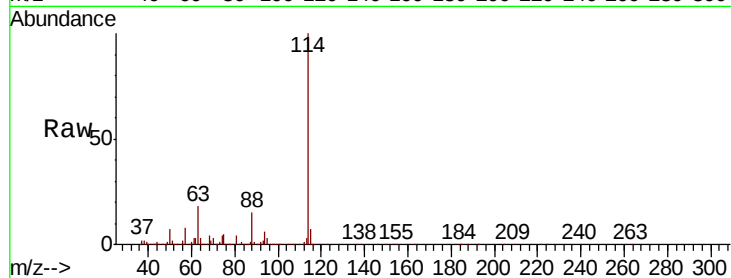
Tot Ion:114 Resp: 759489

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

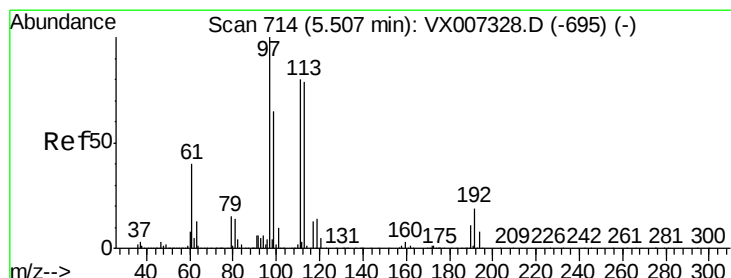
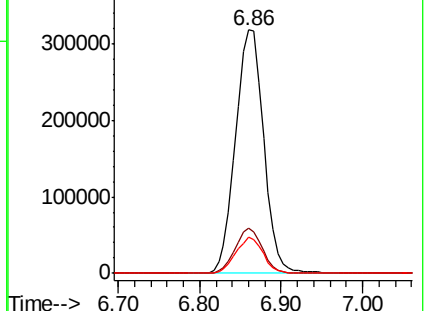
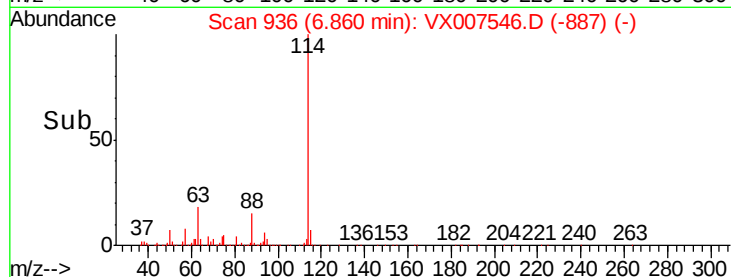
88 15.0 0.0 29.6



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: 49.404 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

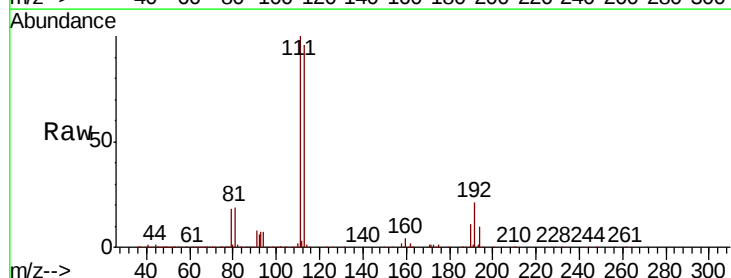
Tgt Ion:113 Resp: 244143

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

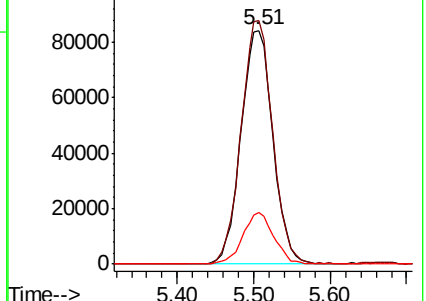
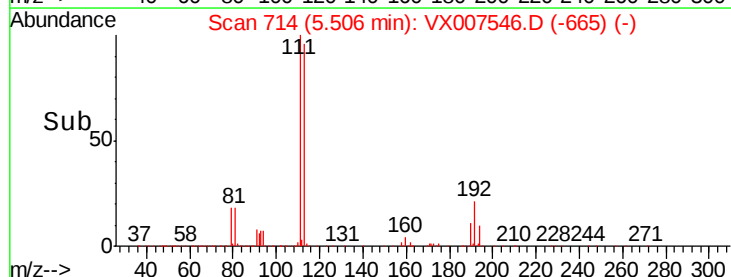
192 21.3 18.5 27.7

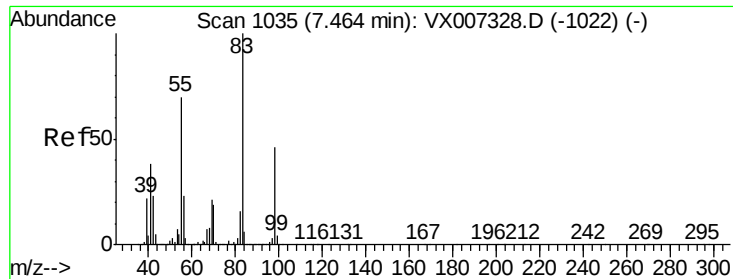


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

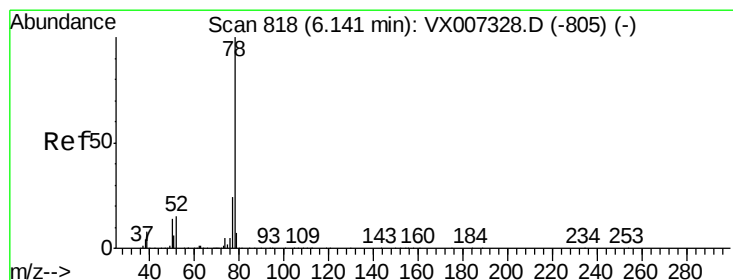
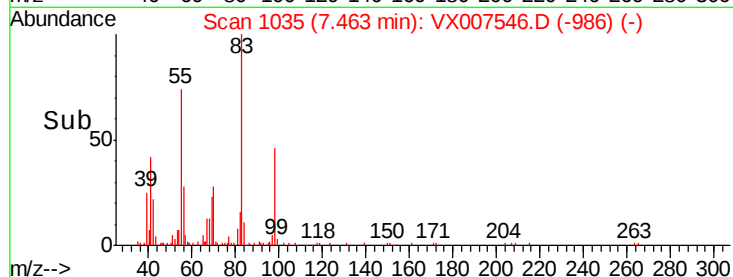
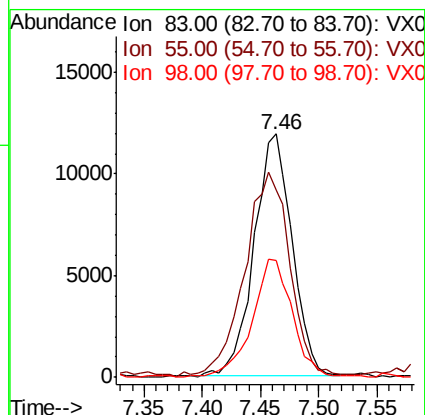
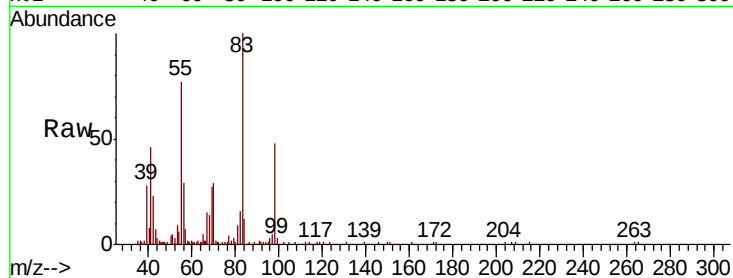




#39
Methvlcvclohexane
Concen: 3.277 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

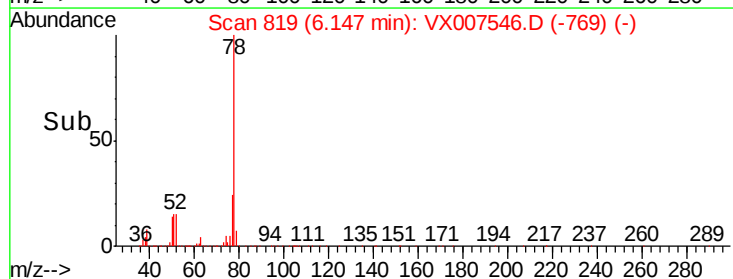
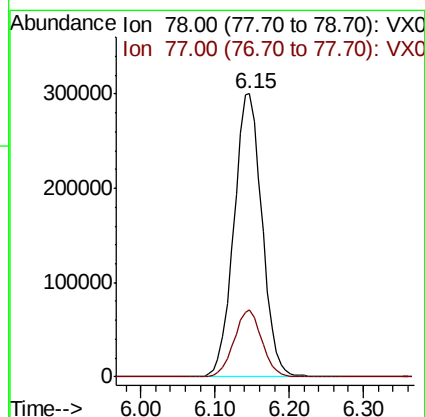
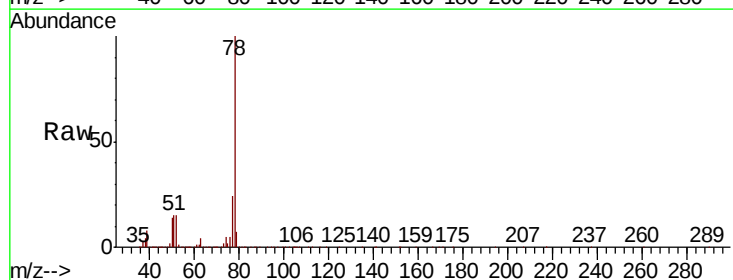
Instrument :
MSVOA_X
ClientSampleId :
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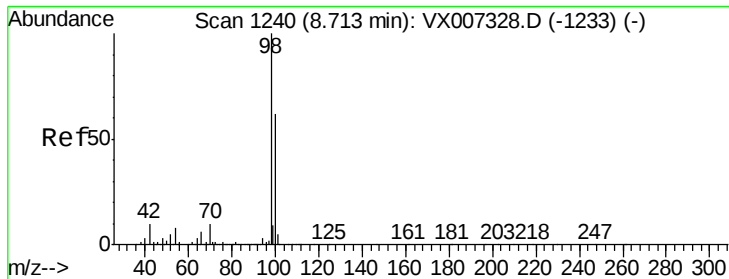
Tot Ion: 83 Resp: 27015
Ion Ratio Lower Upper
83 100
55 76.1 56.2 84.2
98 47.6 36.8 55.2



#40
Benzene
Concen: 39.569 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

Tgt Ion: 78 Resp: 794283
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9





#50

Toluene-d8

Concen: 49.658 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

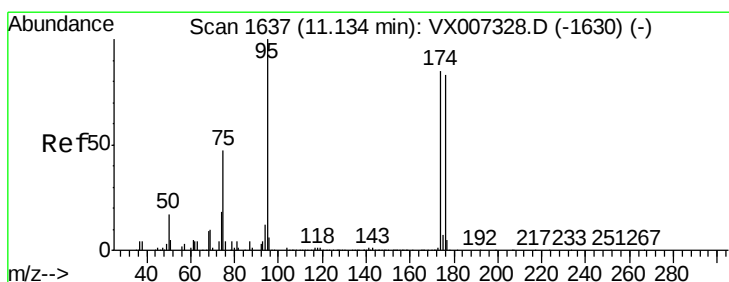
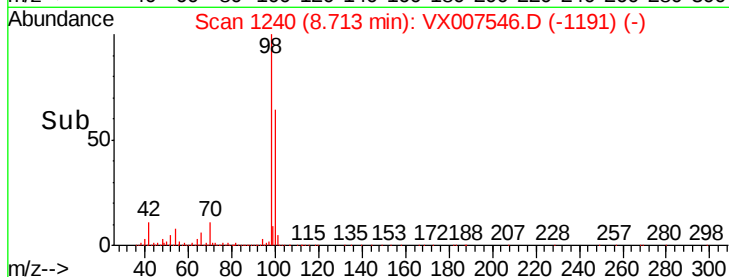
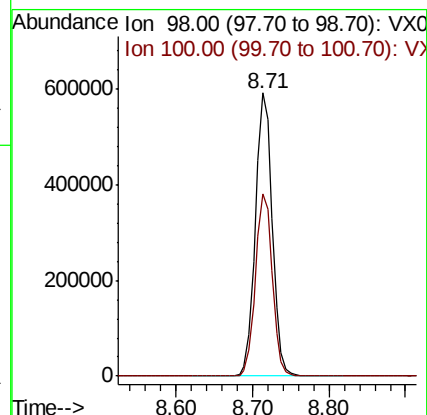
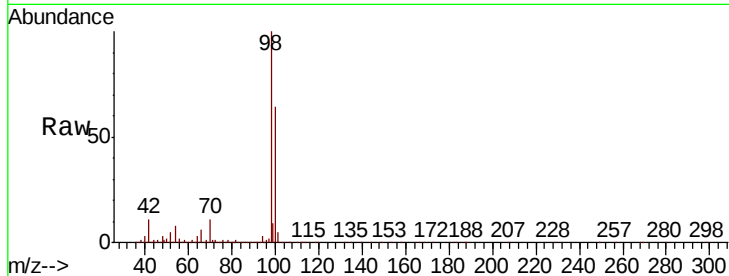
KY001MW079-190211DL

Tot Ion: 98 Resp: 910470

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 50.211 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

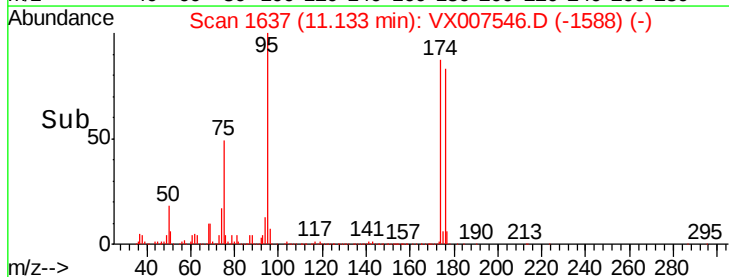
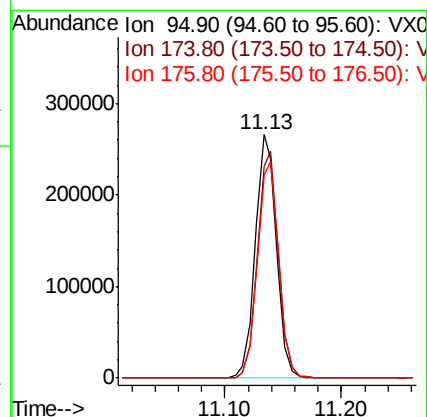
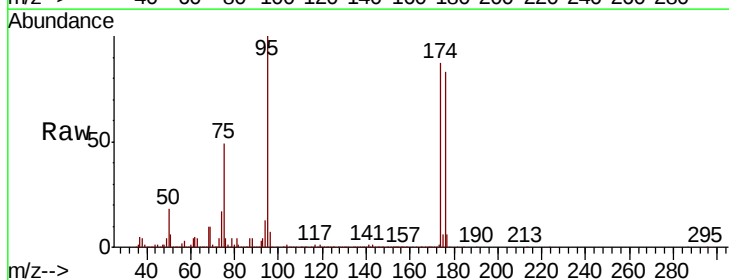
Tgt Ion: 95 Resp: 336115

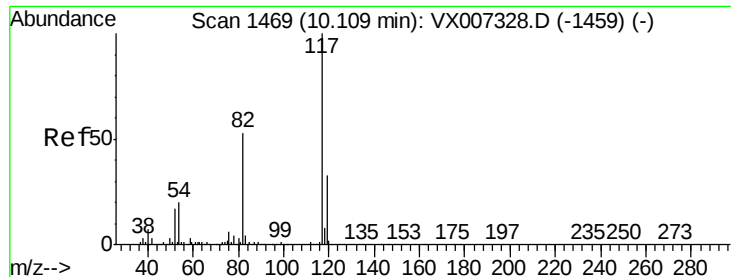
Ion Ratio Lower Upper

95 100

174 92.5 0.0 189.2

176 89.6 0.0 186.2

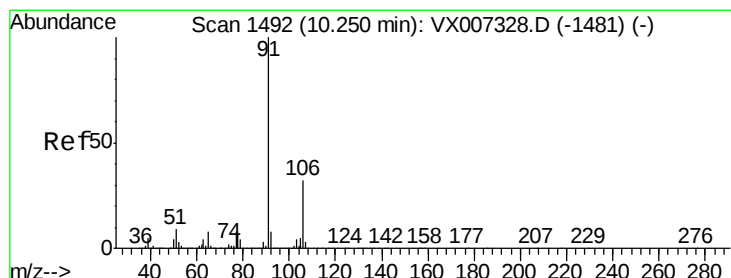
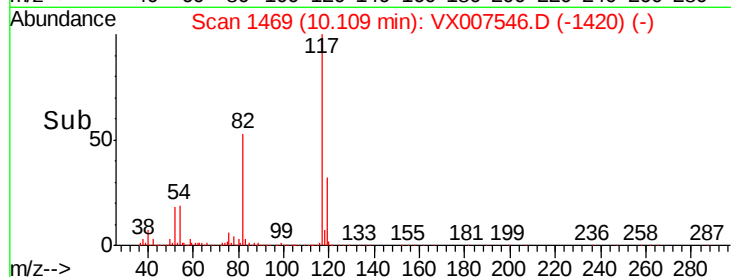
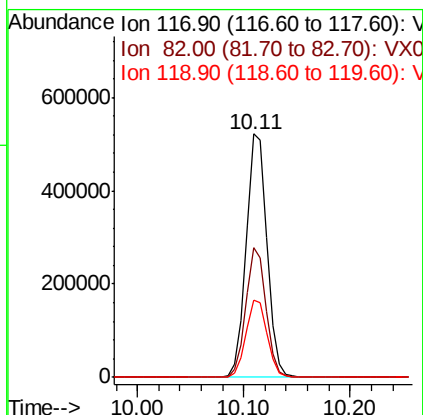
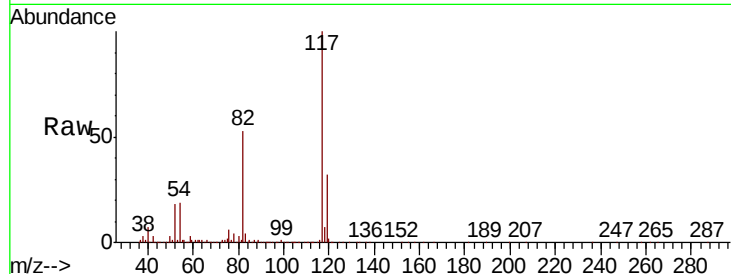




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

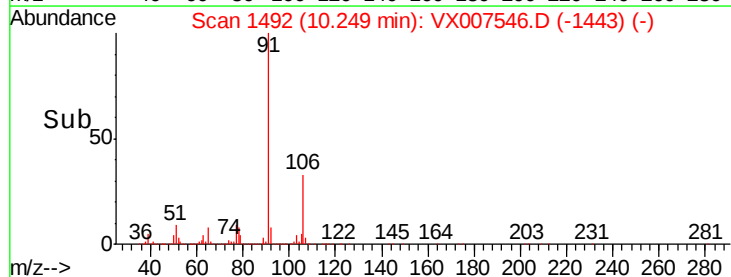
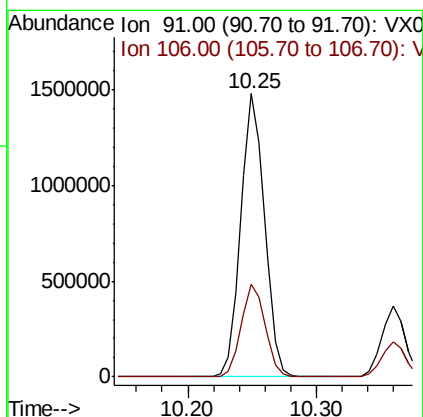
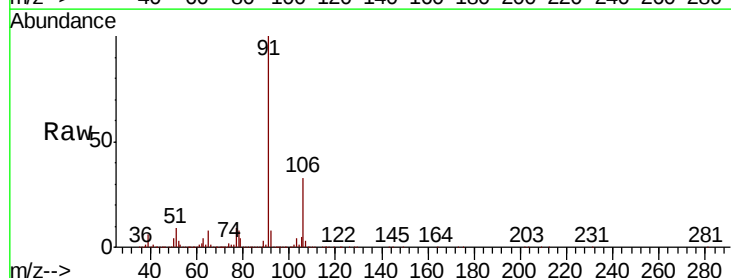
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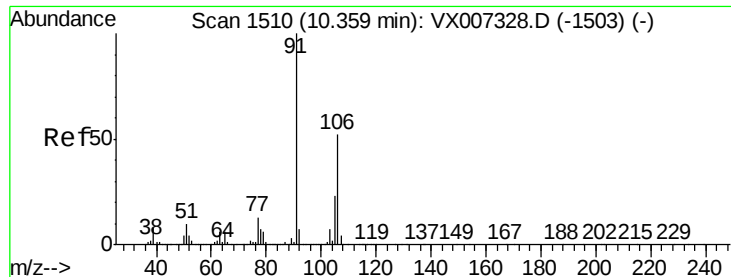
Tot Ion:117 Resp: 719620
Ion Ratio Lower Upper
117 100
82 53.1 42.1 63.1
119 31.7 26.5 39.7



#67
Ethyl Benzene
Concen: 74.575 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

Tgt Ion: 91 Resp: 1885902
Ion Ratio Lower Upper
91 100
106 32.9 25.4 38.0

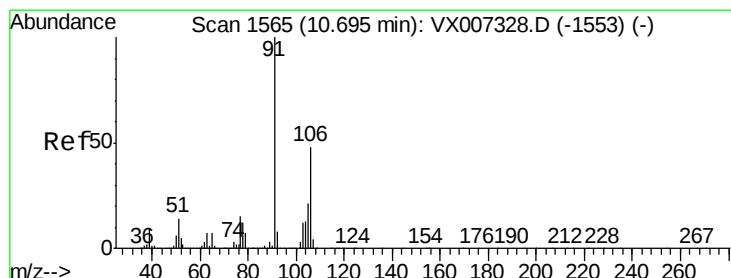
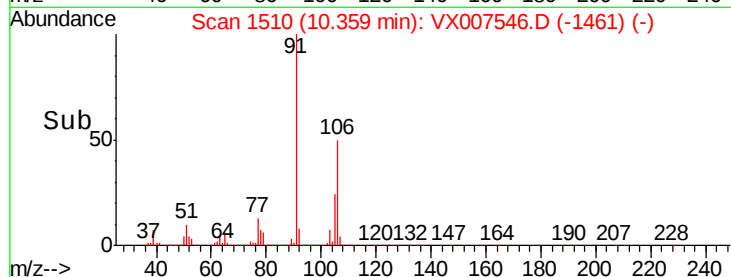
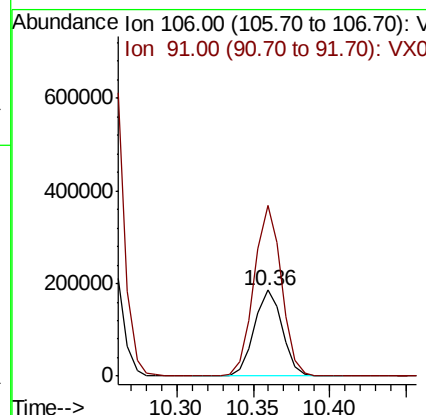
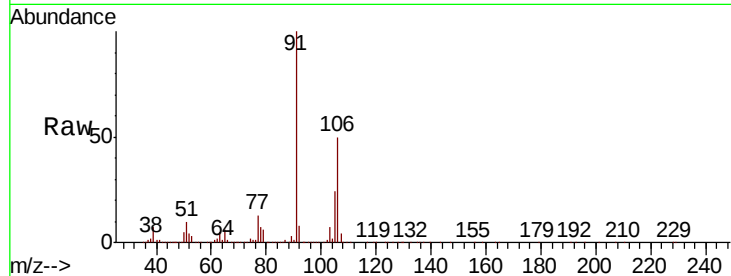




#68
m/p-Xylenes
Concen: 23.403 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

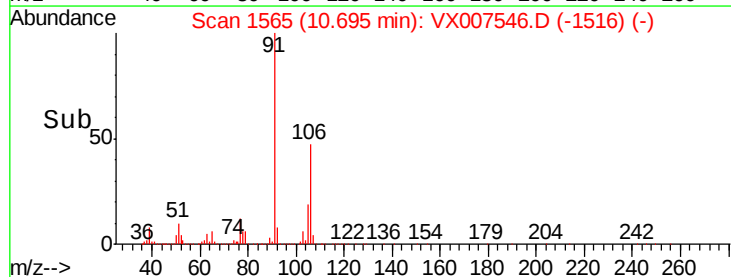
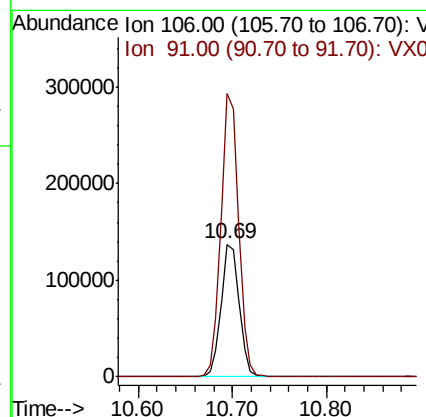
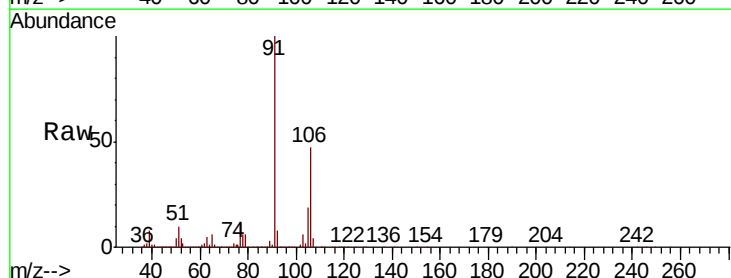
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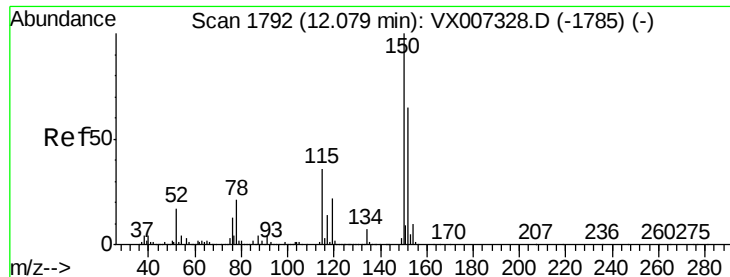
Tot Ion:106 Resp: 235259
Ion Ratio Lower Upper
106 100
91 195.6 156.6 234.8



#69
o-Xylene
Concen: 18.973 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX007546.D
Acq: 14 Feb 2019 15:28

Tgt Ion:106 Resp: 183529
Ion Ratio Lower Upper
106 100
91 208.5 102.9 308.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

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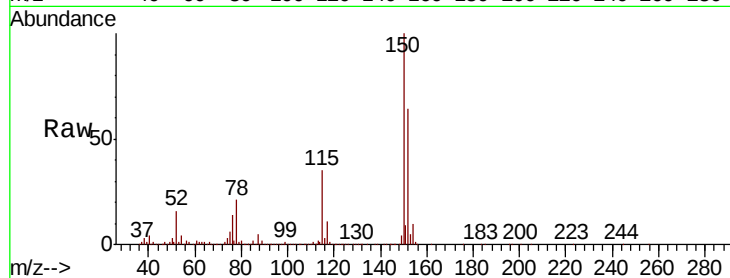
Tot Ion:152 Resp: 365994

Ion Ratio Lower Upper

152 100

115 54.5 38.0 114.0

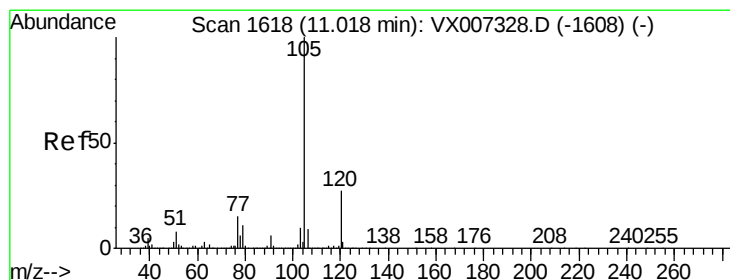
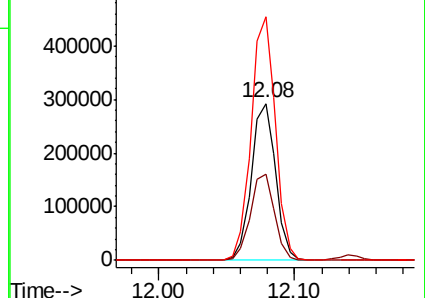
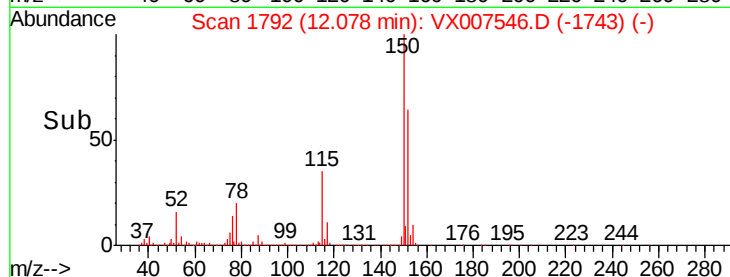
150 155.5 0.0 346.4



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



#73

Isopropylbenzene

Concen: 18.419 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007546.D

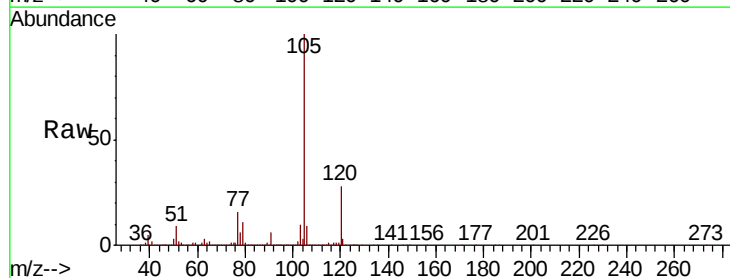
Acq: 14 Feb 2019 15:28

Tgt Ion:105 Resp: 458094

Ion Ratio Lower Upper

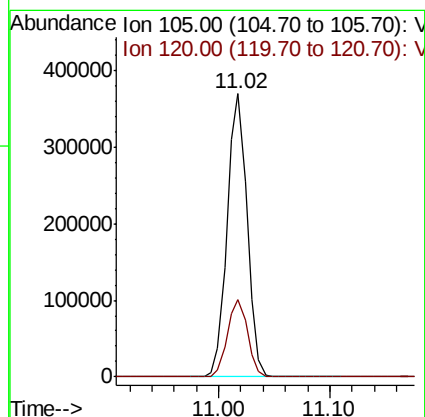
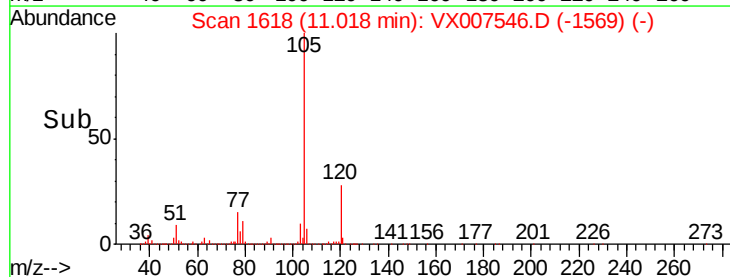
105 100

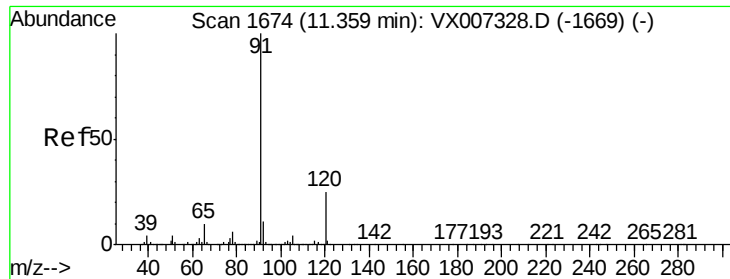
120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 20.760 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

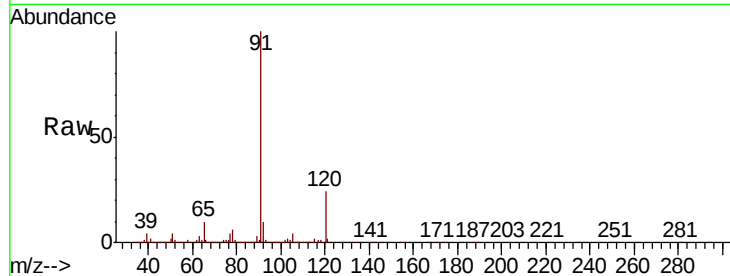
KY001MW079-190211DL

Tot Ion: 91 Resp: 566180

Ion Ratio Lower Upper

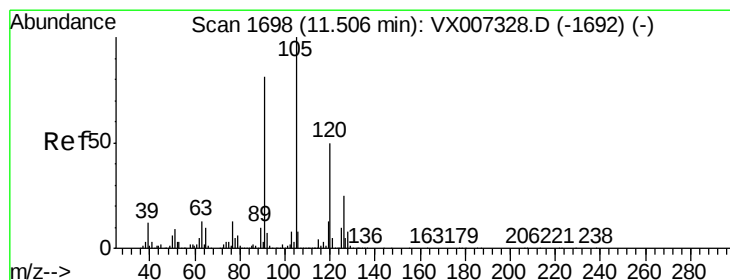
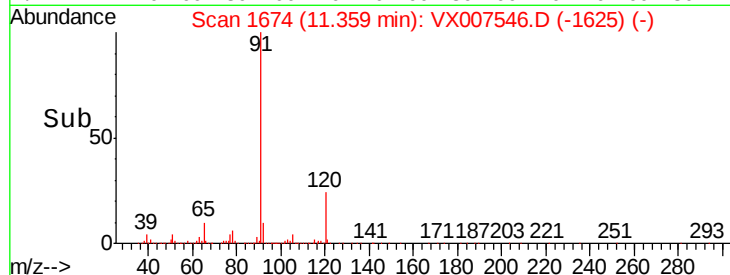
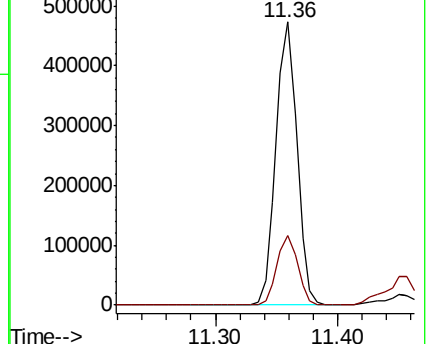
91 100

120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 11.573 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007546.D

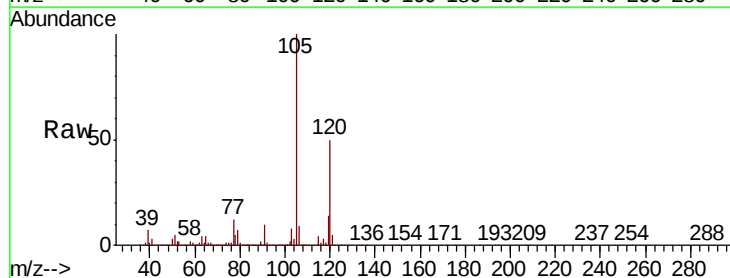
Acq: 14 Feb 2019 15:28

Tgt Ion:105 Resp: 235488

Ion Ratio Lower Upper

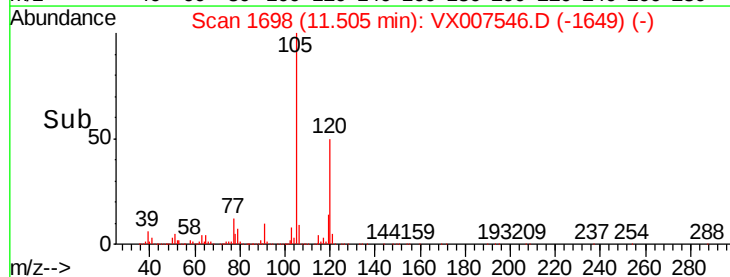
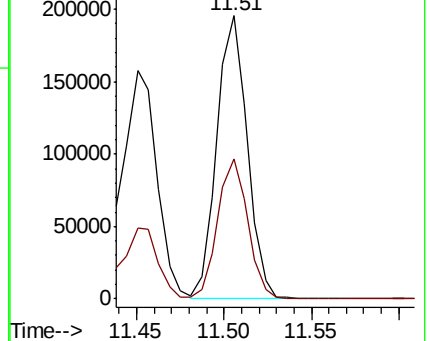
105 100

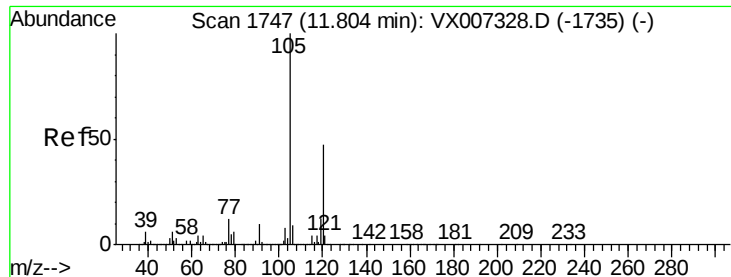
120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 48.524 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

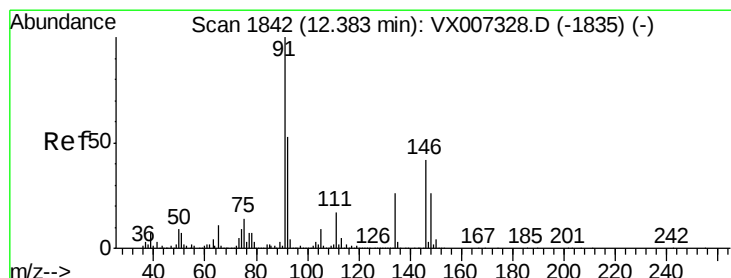
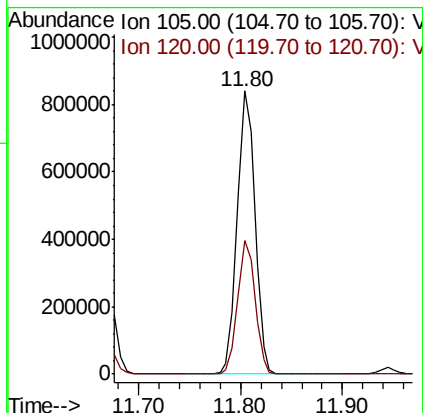
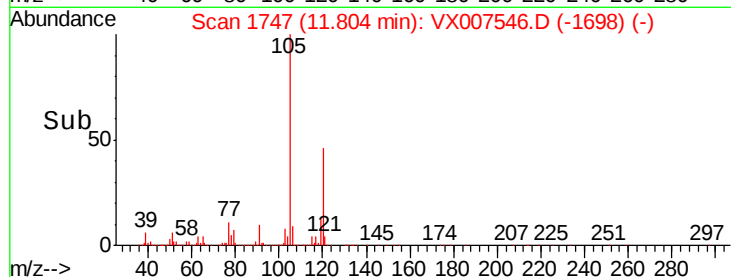
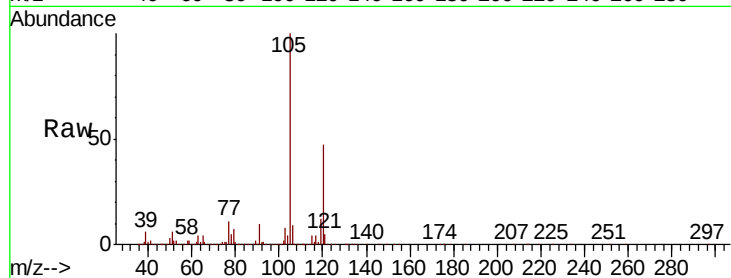
KY001MW079-190211DL

Tot Ion:105 Resp: 1002400

Ion Ratio Lower Upper

105 100

120 46.5 23.1 69.3



#89

n-Butylbenzene

Concen: 1.600 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

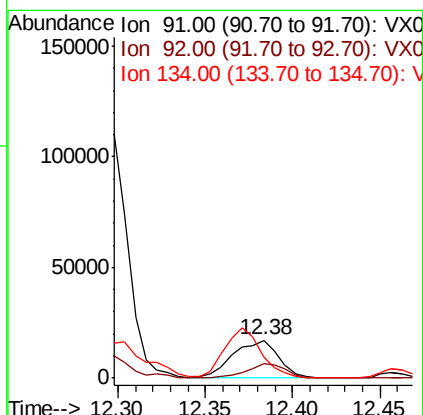
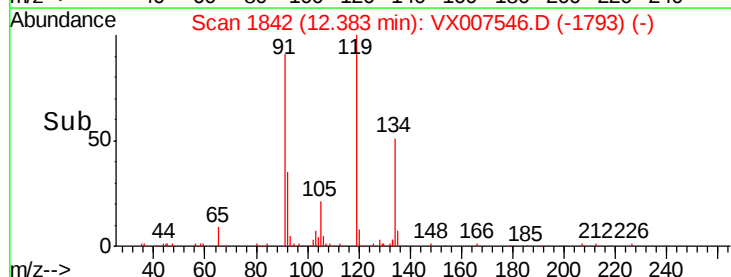
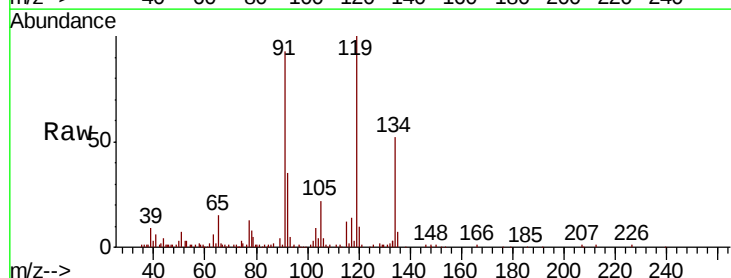
Tgt Ion: 91 Resp: 30286

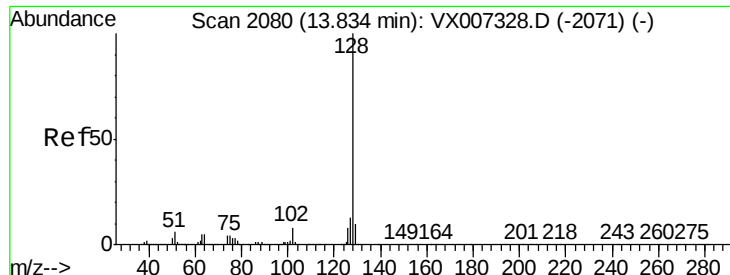
Ion Ratio Lower Upper

91 100

92 34.2 26.3 78.9

134 110.0 13.9 41.6#





#95

Naphthalene

Concen: 17.723 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007546.D

Acq: 14 Feb 2019 15:28

Instrument :

MSVOA_X

ClientSampleId :

KY001MW079-190211DL

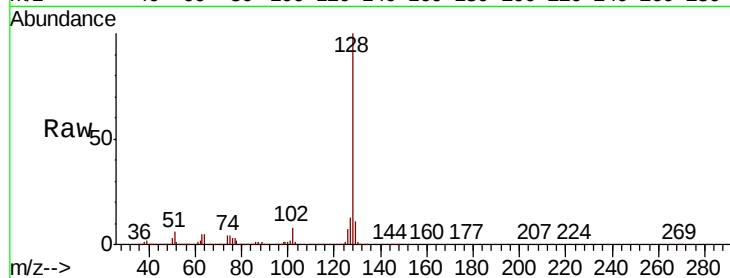
Tot Ion:128 Resp: 437463

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 11.2 8.7 13.1



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

