

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004755.D
 Acq On : 27 Sep 2018 05:58
 Operator : JC/MD
 Sample : J5020-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-091918

Quant Time: Sep 27 07:17:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	276459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	432200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	419663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244725	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	194566	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.54%		
35) Dibromofluoromethane	5.51	113	169524	46.28	ug/l	0.01
Spiked Amount 50.000			Recovery =	92.56%		
50) Toluene-d8	8.72	98	632223	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.84%		
62) 4-Bromofluorobenzene	11.14	95	246922	56.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.56%		

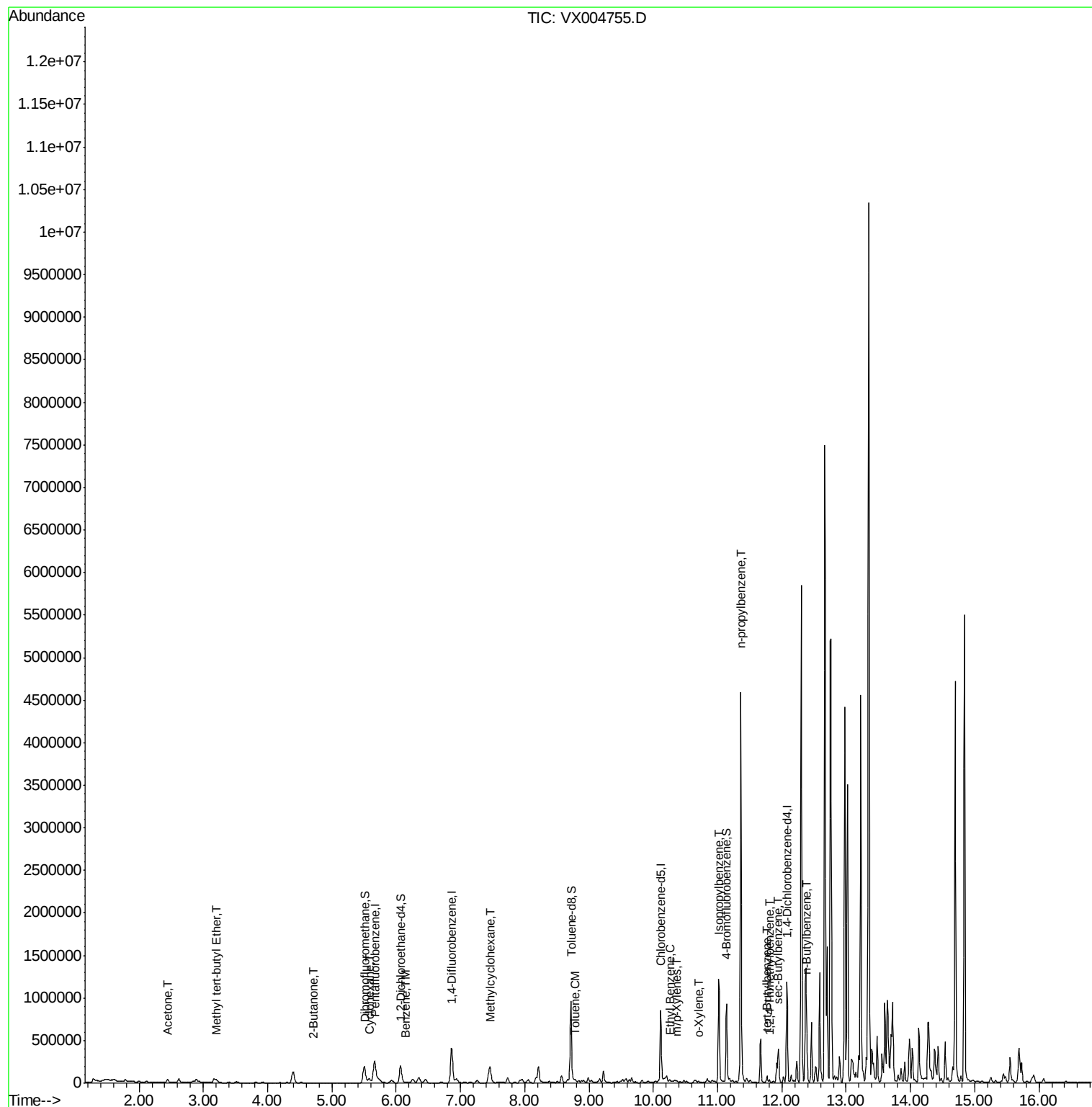
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	35337	15.326	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	33316	3.224	ug/l #	88
25) 2-Butanone	4.71	43	2608	0.767	ug/l	93
31) Cyclohexane	5.58	56	32606	6.489	ug/l #	82
39) Methylcyclohexane	7.46	83	79375	15.554	ug/l	91
40) Benzene	6.14	78	8619	0.551	ug/l	91
52) Toluene	8.79	92	7136	0.830	ug/l	93
67) Ethyl Benzene	10.26	91	18560	1.086	ug/l	98
68) m/p-Xylenes	10.37	106	1916	0.287	ug/l	95
69) o-Xylene	10.70	106	2537	0.414	ug/l	84
73) Isopropylbenzene	11.02	105	655254	42.479	ug/l	99
78) n-propylbenzene	11.36	91	2917581	164.847	ug/l	99
83) tert-Butylbenzene	11.77	119	28313	2.229	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	13163	0.708	ug/l	98
85) sec-Butylbenzene	11.94	105	212522	13.738	ug/l	98
89) n-Butylbenzene	12.39	91	303416	23.838	ug/l #	53

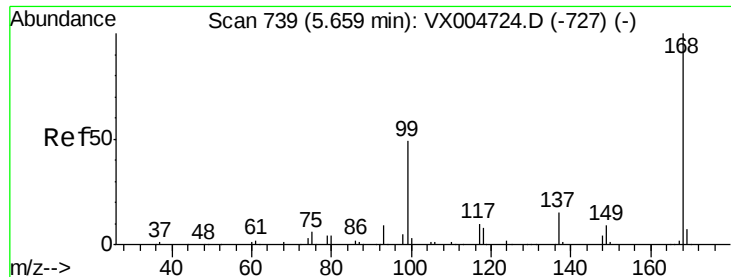
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

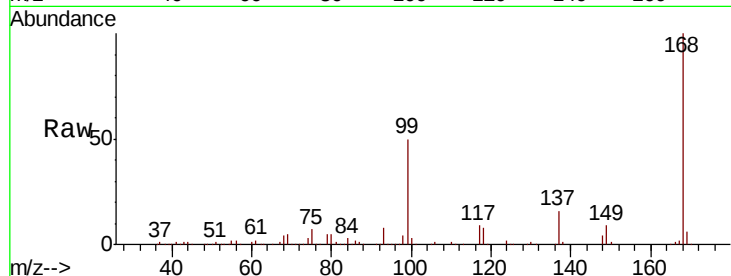
T3-MW-2-9.0-091918

Tot Ion:168 Resp: 276459

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

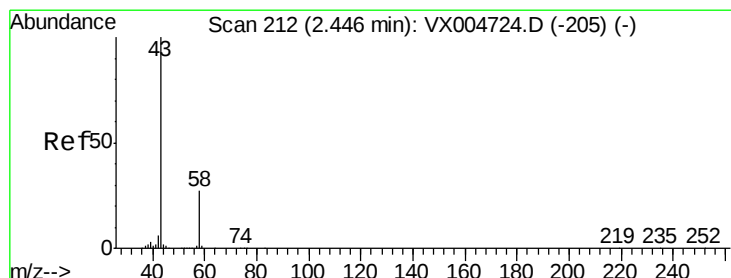
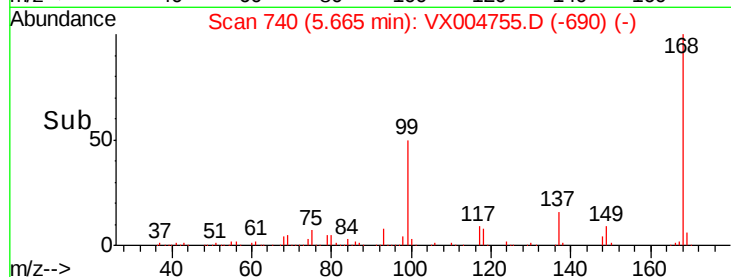
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 15.326 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004755.D

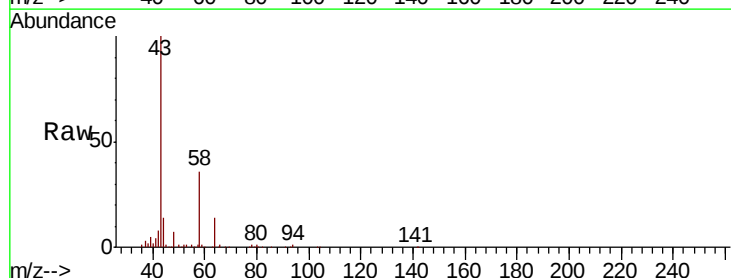
Acq: 27 Sep 2018 05:58

Tgt Ion: 43 Resp: 35337

Ion Ratio Lower Upper

43 100

58 36.2 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

15000

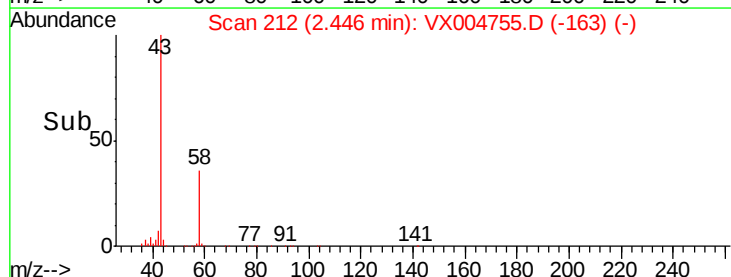
10000

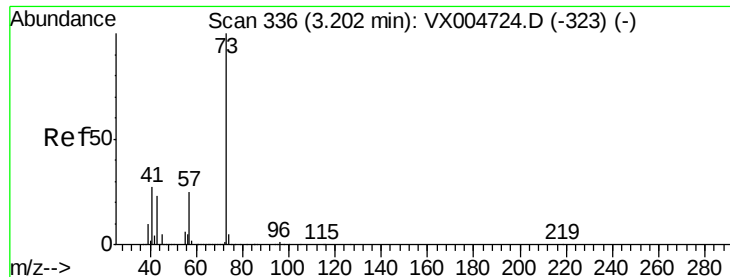
5000

0

Time-->

2.40 2.45 2.50 2.55





#19

Methvl tert-butvl Ether

Concen: 3.224 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

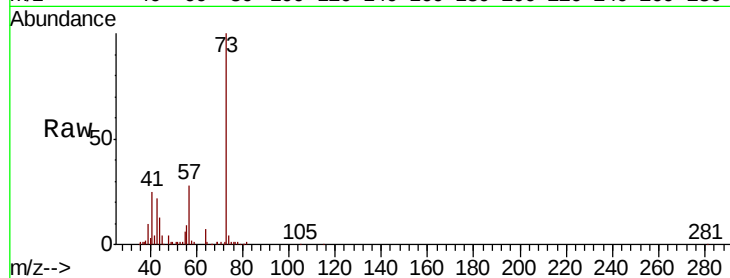
T3-MW-2-9.0-091918

Tot Ion: 73 Resp: 33316

Ion Ratio Lower Upper

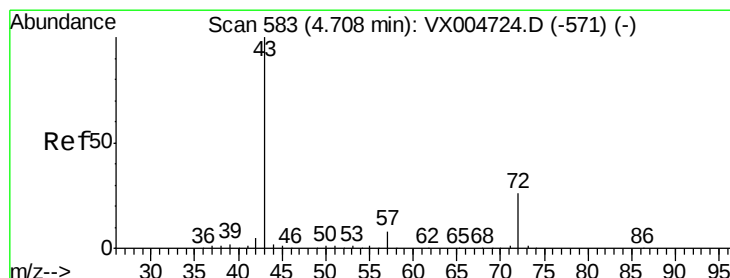
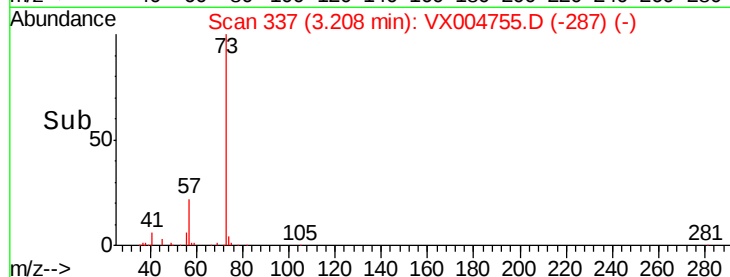
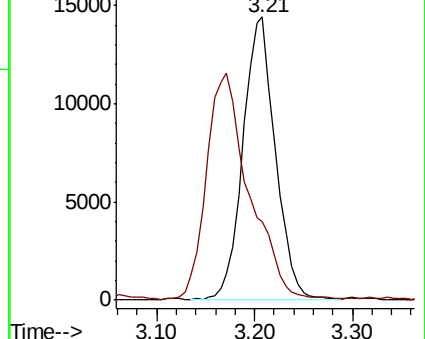
73 100

57 26.9 17.1 25.7#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#25

2-Butanone

Concen: 0.767 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004755.D

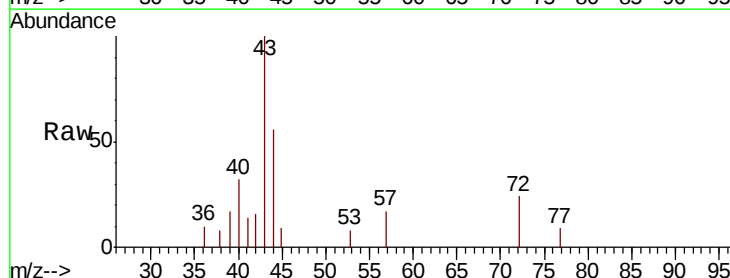
Acq: 27 Sep 2018 05:58

Tgt Ion: 43 Resp: 2608

Ion Ratio Lower Upper

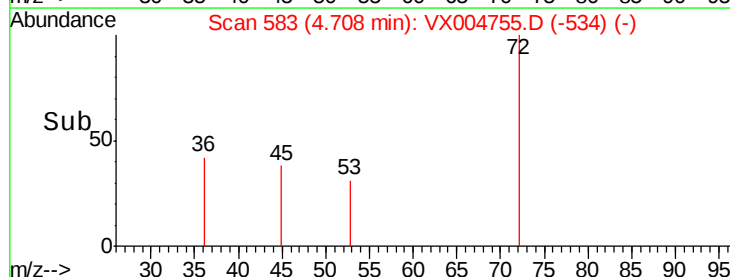
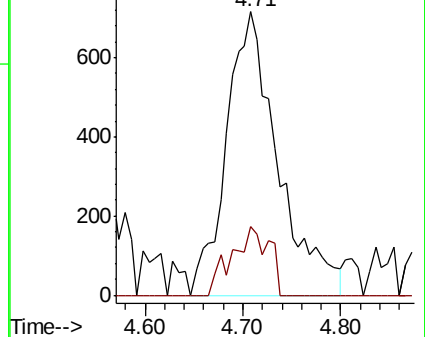
43 100

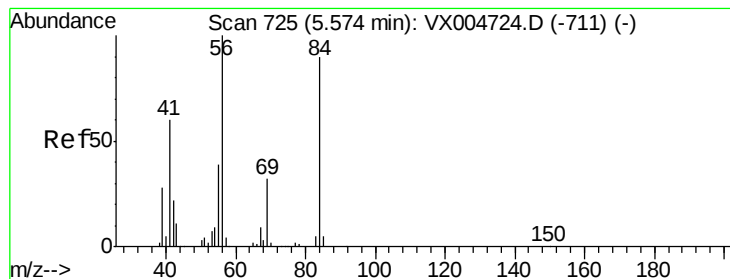
72 24.0 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 6.489 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-091918

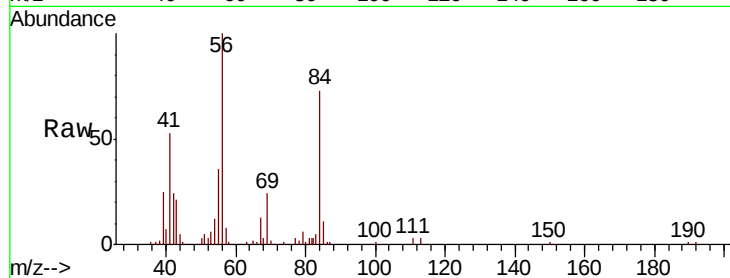
Tot Ion: 56 Resp: 32606

Ion Ratio Lower Upper

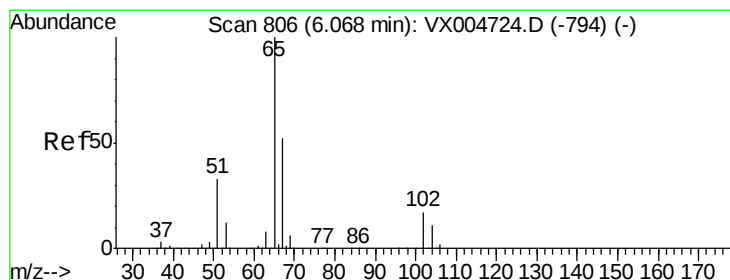
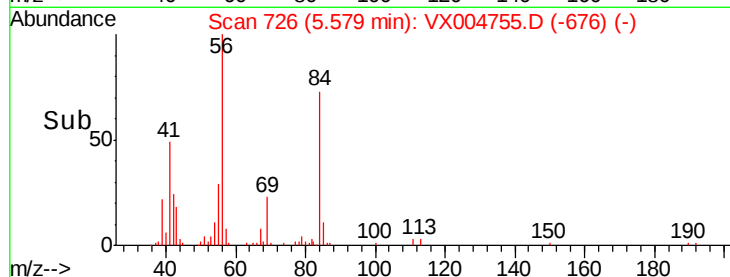
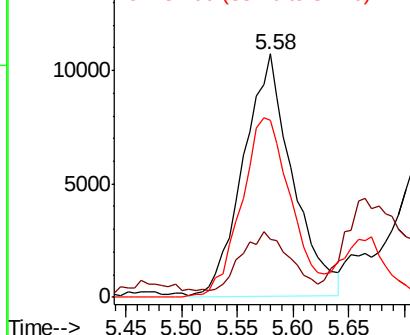
56 100

69 20.7 25.4 38.2#

84 73.0 71.4 107.2



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: 49.267 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004755.D

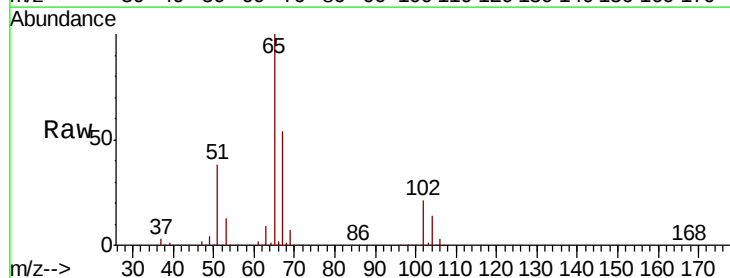
Acq: 27 Sep 2018 05:58

Tgt Ion: 65 Resp: 194566

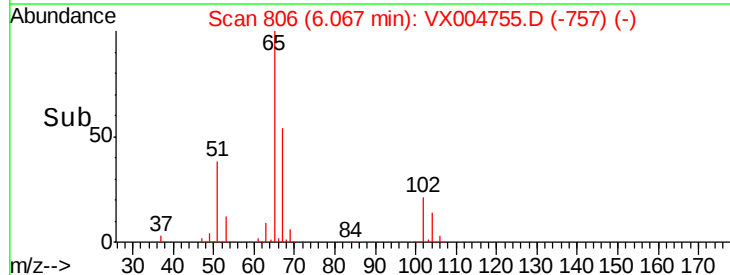
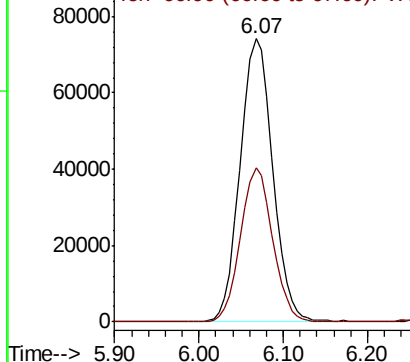
Ion Ratio Lower Upper

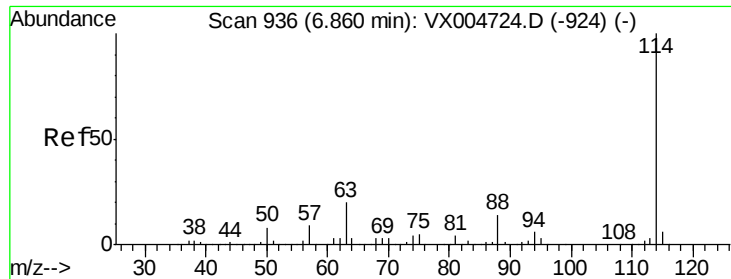
65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

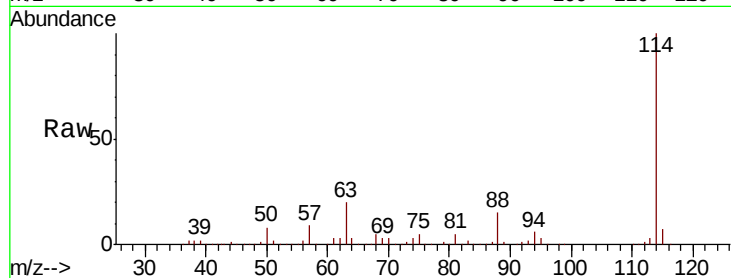




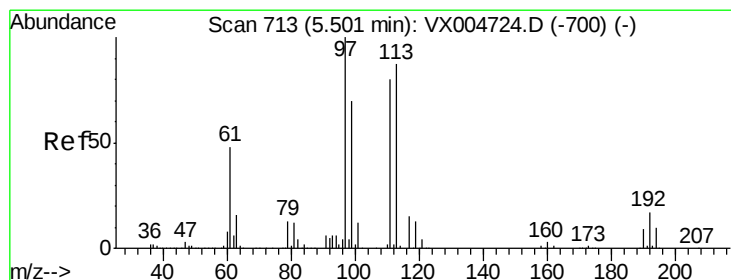
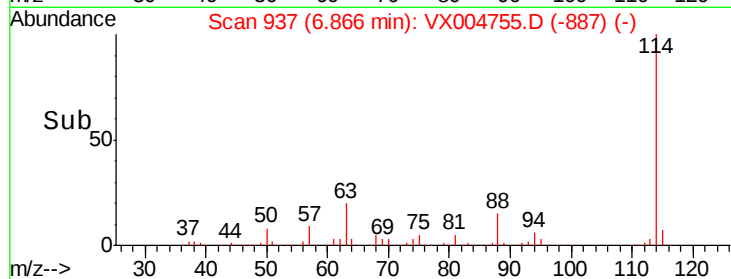
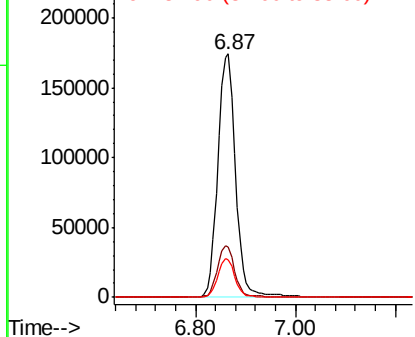
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004755.D
 Acq: 27 Sep 2018 05:58

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-091918

Tot Ion:114 Resp: 432200
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.2 0.0 30.4

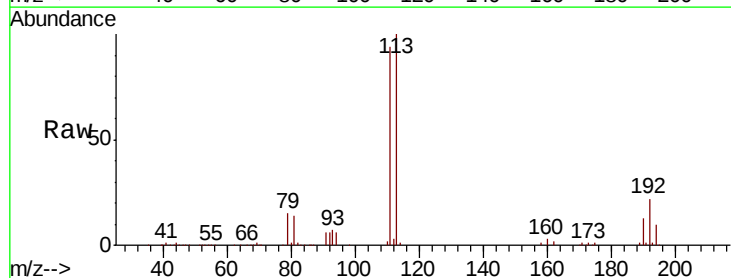


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

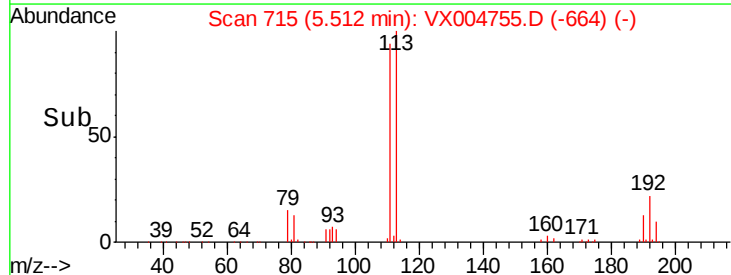
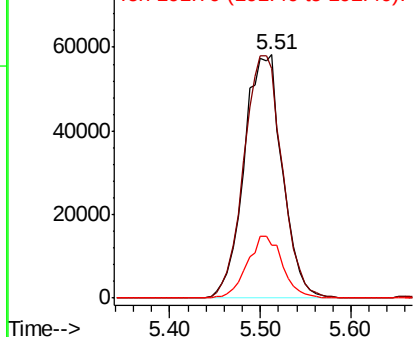


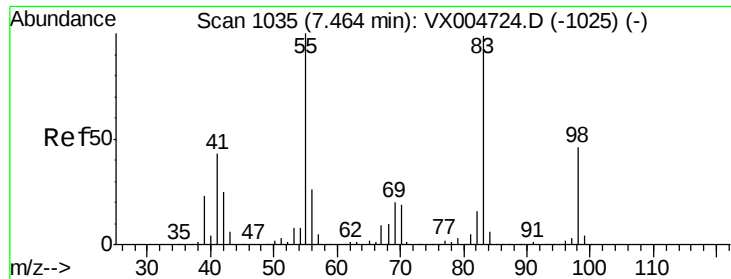
#35
 Dibromofluoromethane
 Concen: 46.281 ug/l
 RT: 5.51 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VX004755.D
 Acq: 27 Sep 2018 05:58

Tgt Ion:113 Resp: 169524
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.4 123.6
 192 23.6 19.4 29.2



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

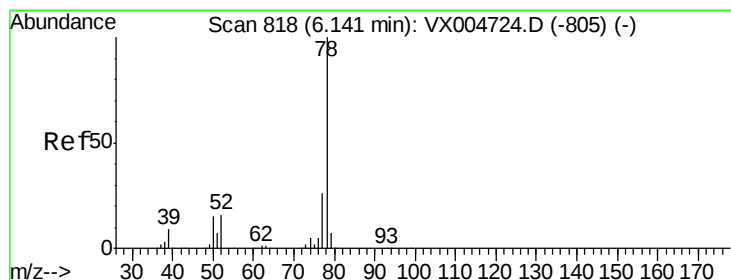
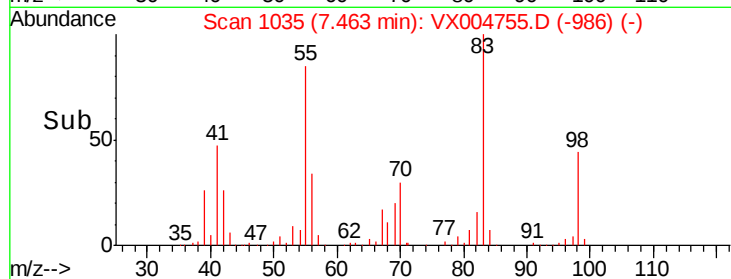
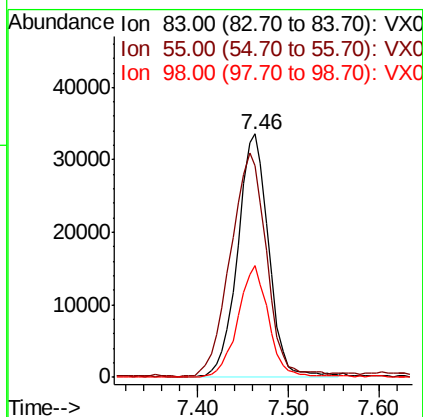
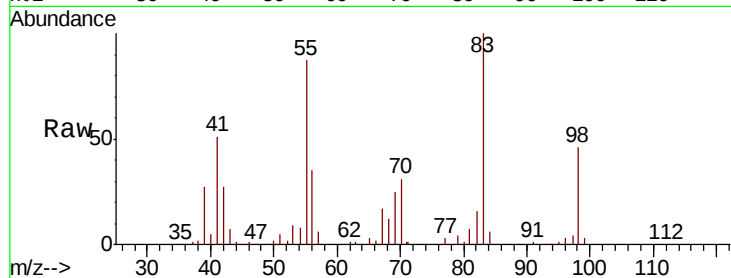




#39
Methvlcvclohexane
Concen: 15.554 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

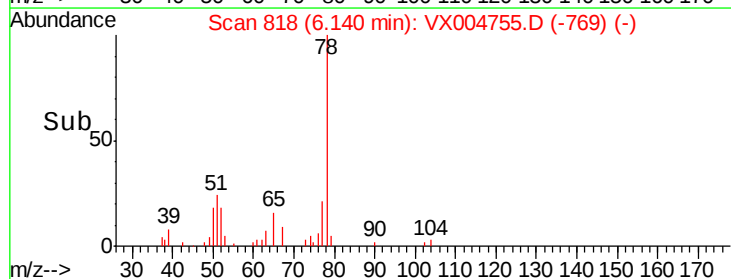
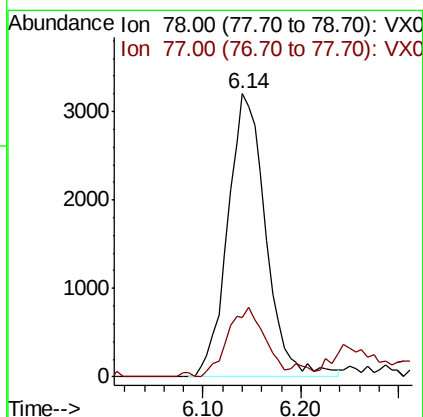
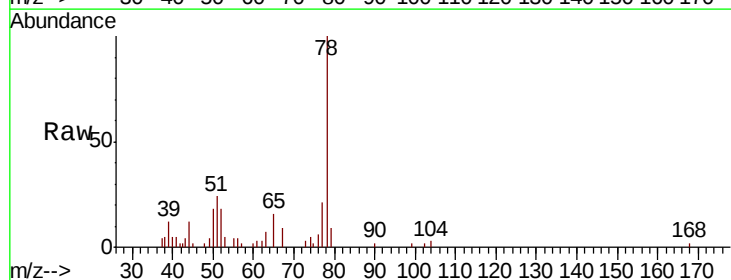
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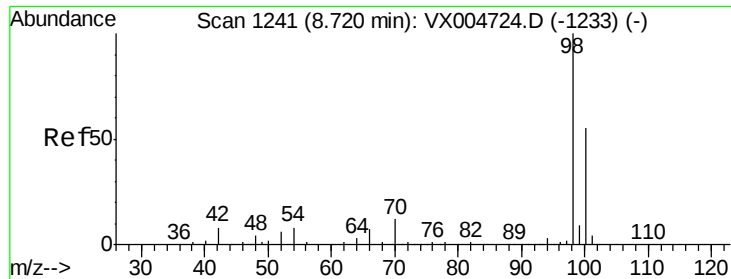
Tot Ion: 83 Resp: 79375
Ion Ratio Lower Upper
83 100
55 86.4 61.0 91.4
98 46.0 39.6 59.4



#40
Benzene
Concen: 0.551 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

Tgt Ion: 78 Resp: 8619
Ion Ratio Lower Upper
78 100
77 19.3 19.0 28.4

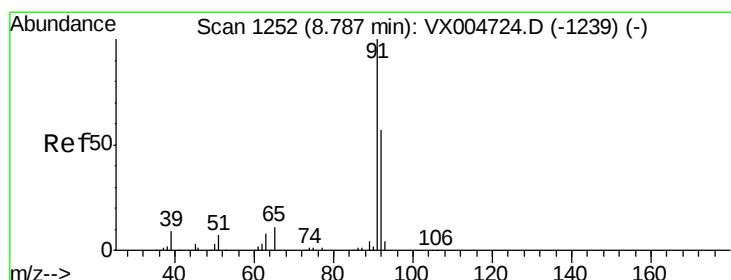
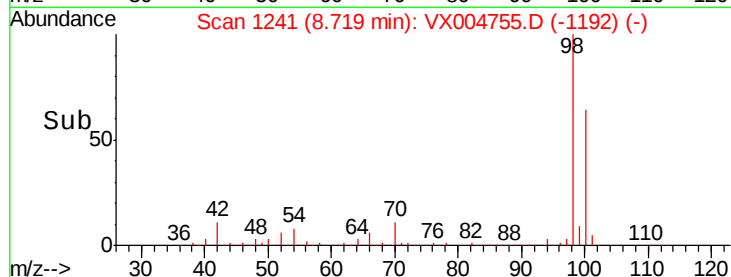
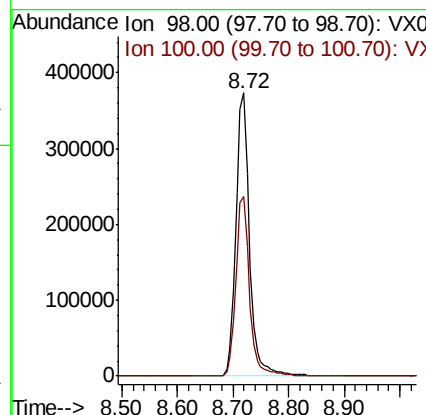
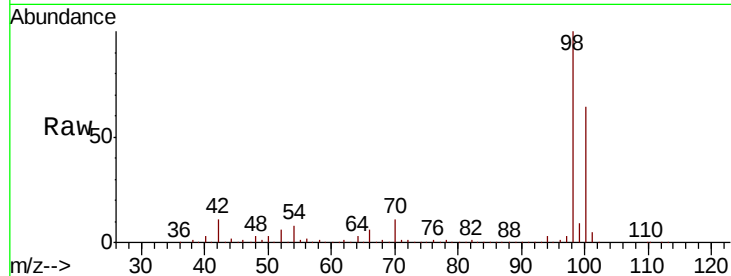




#50
Toluene-d8
Concen: 51.918 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

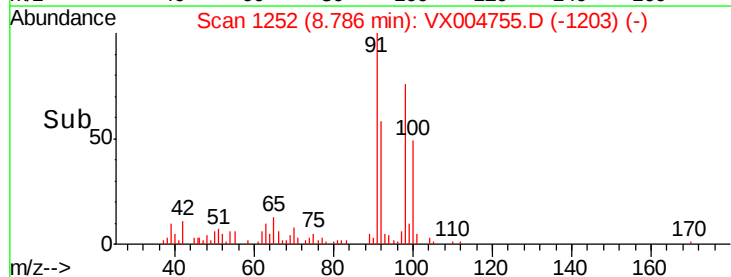
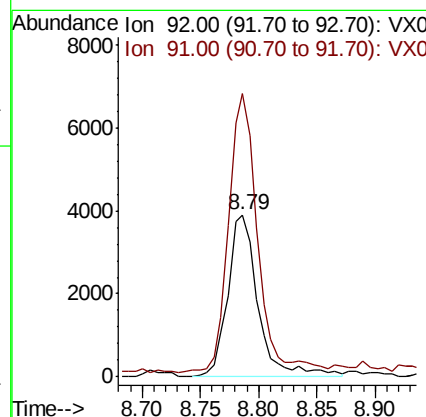
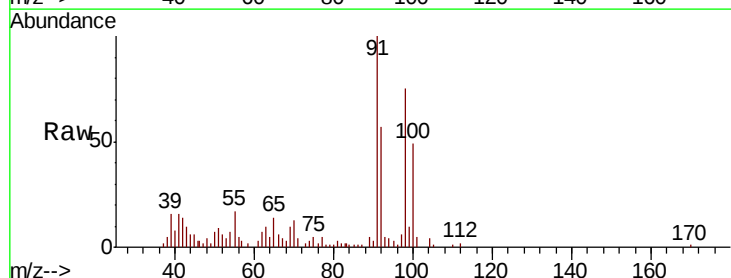
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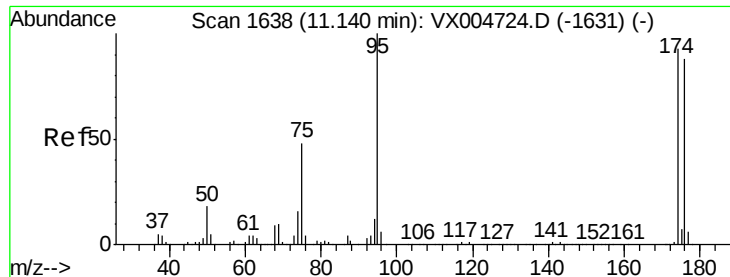
Tot Ion: 98 Resp: 632223
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3



#52
Toluene
Concen: 0.830 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

Tgt Ion: 92 Resp: 7136
Ion Ratio Lower Upper
92 100
91 160.9 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 56.285 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-2-9.0-091918

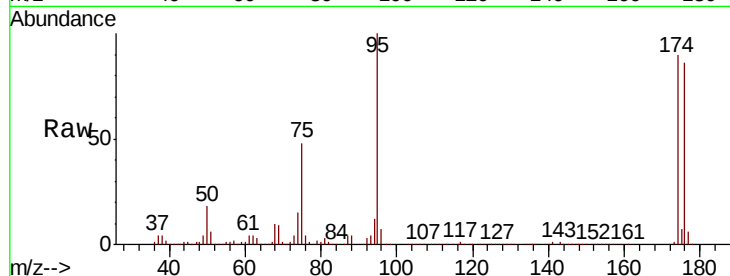
Tot Ion: 95 Resp: 246922

Ion Ratio Lower Upper

95 100

174 87.8 0.0 185.2

176 85.0 0.0 178.6

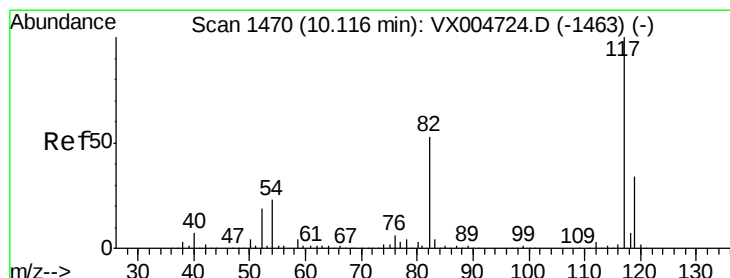
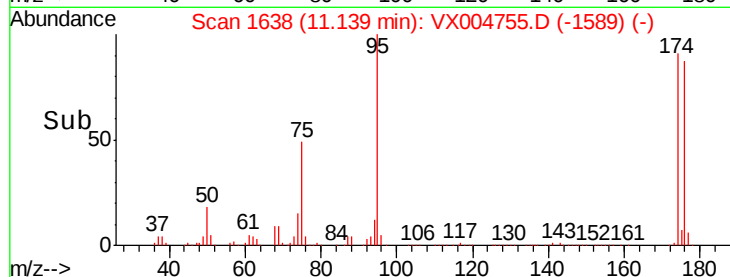
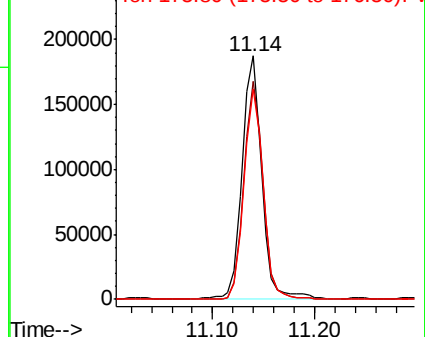


Abundance

Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

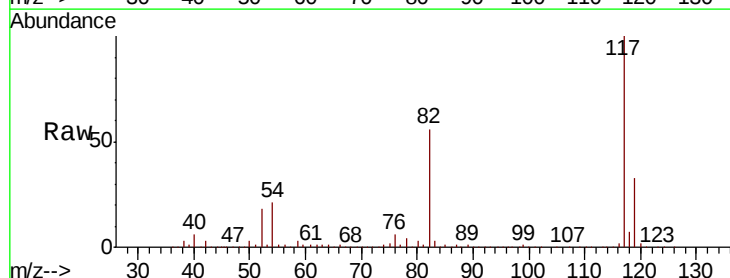
Tgt Ion: 117 Resp: 419663

Ion Ratio Lower Upper

117 100

82 55.7 47.8 71.6

119 32.7 29.3 43.9

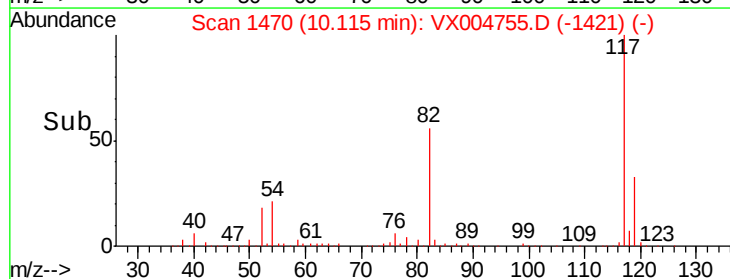
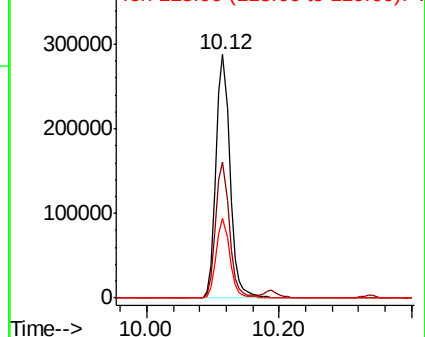


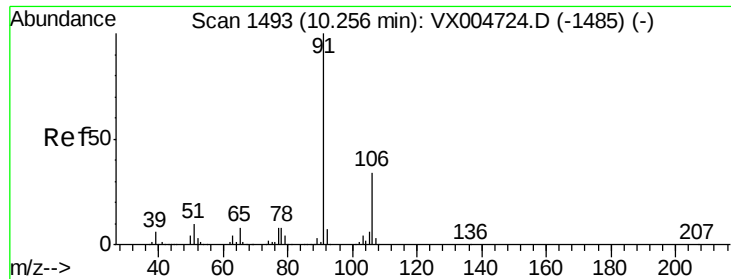
Abundance

Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

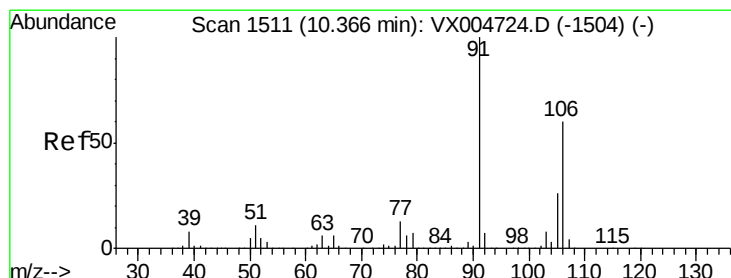
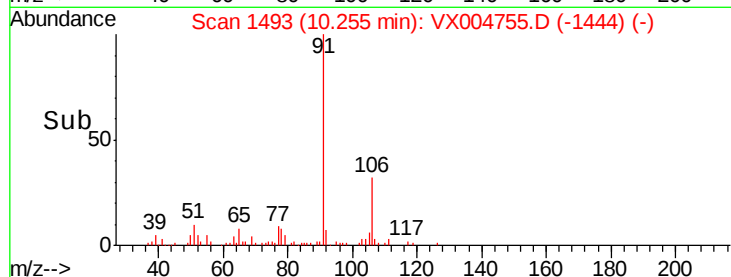
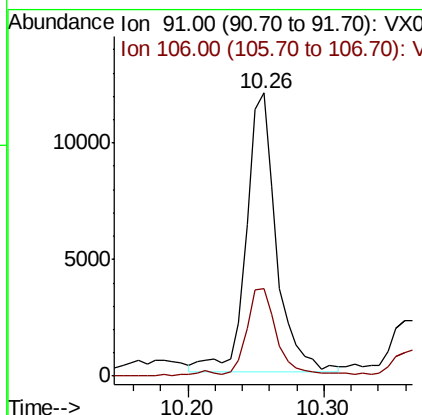
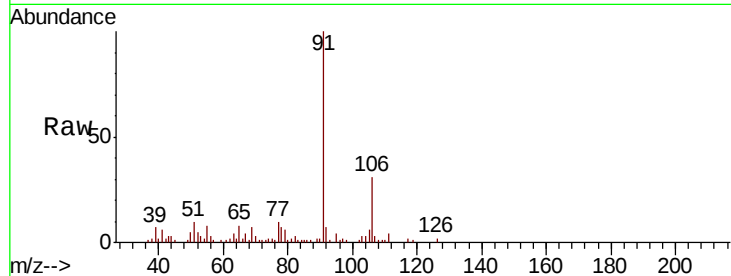




#67
Ethyl Benzene
Concen: 1.086 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

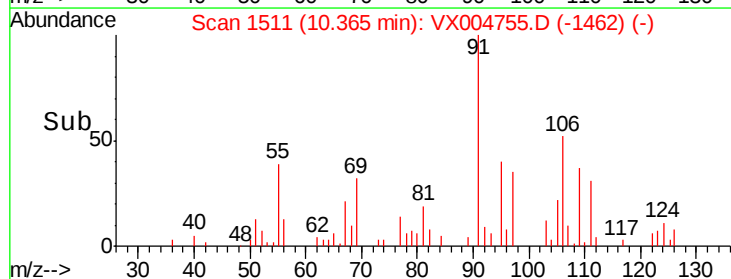
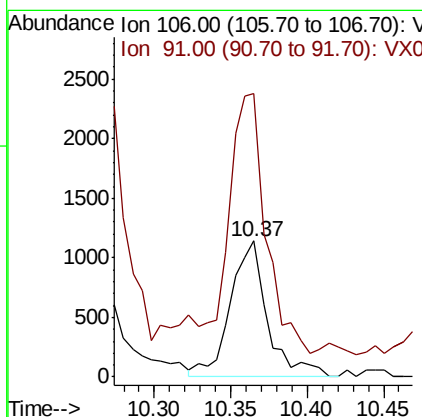
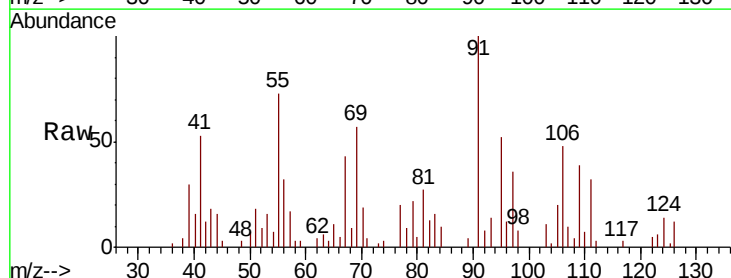
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-091918

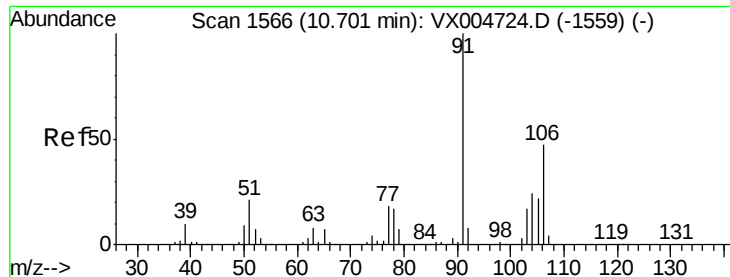
Tot Ion: 91 Resp: 18560
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9



#68
m/p-Xylenes
Concen: 0.287 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

Tgt Ion: 106 Resp: 1916
Ion Ratio Lower Upper
106 100
91 188.6 157.1 235.7

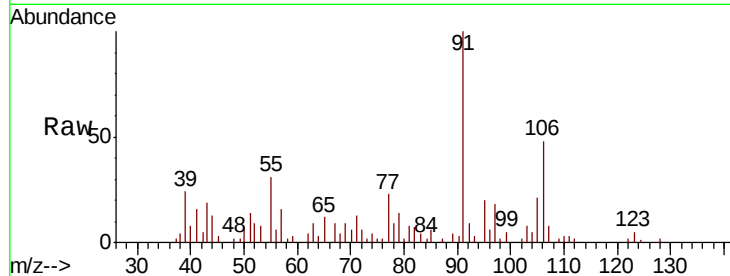




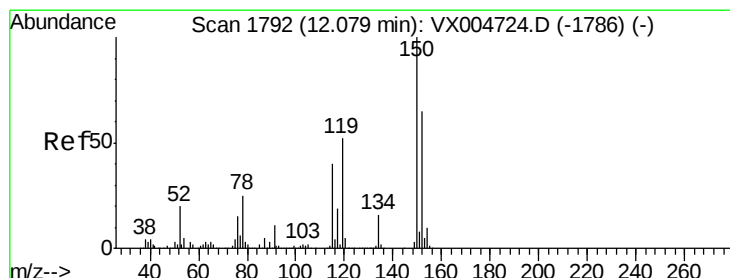
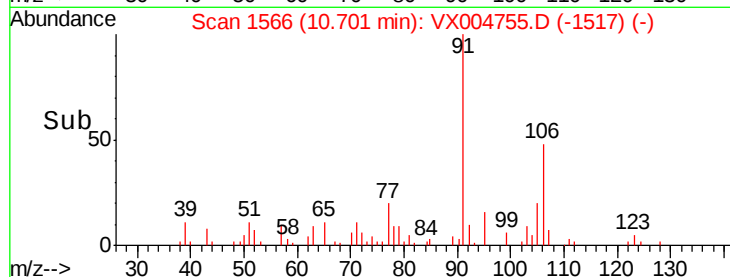
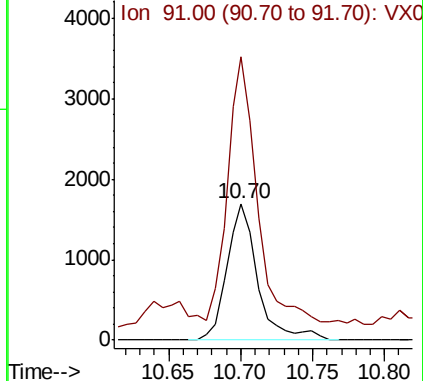
#69
o-Xylene
Concen: 0.414 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-2-9.0-091918

Tot Ion:106 Resp: 2537
Ion Ratio Lower Upper
106 100
91 185.1 105.1 315.1

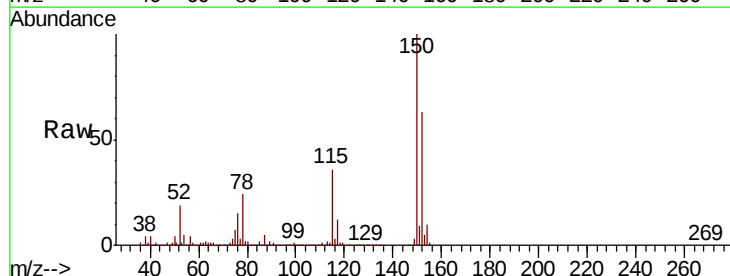


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

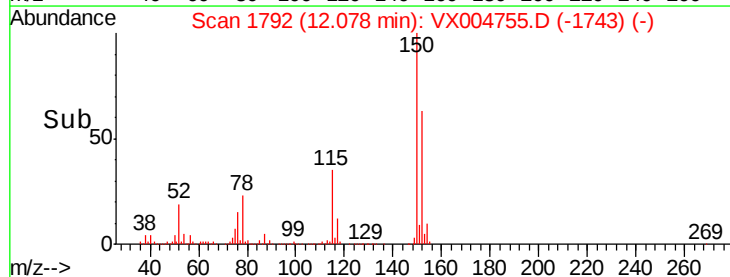
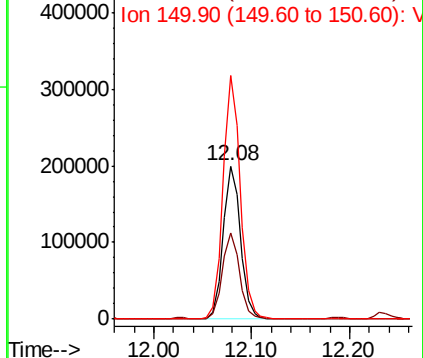


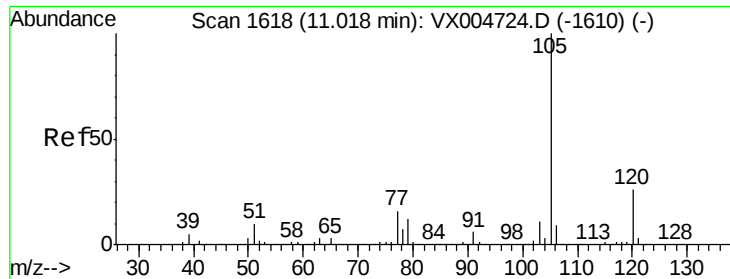
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004755.D
Acq: 27 Sep 2018 05:58

Tgt Ion:152 Resp: 244725
Ion Ratio Lower Upper
152 100
115 55.8 39.0 117.0
150 157.5 0.0 351.0



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: 42.479 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

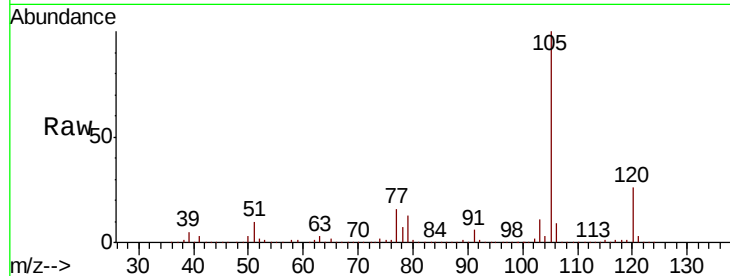
T3-MW-2-9.0-091918

Tot Ion:105 Resp: 655254

Ion Ratio Lower Upper

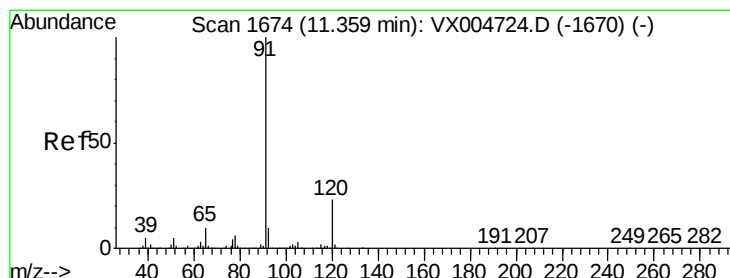
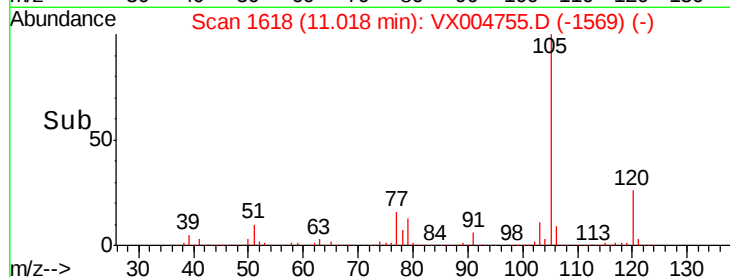
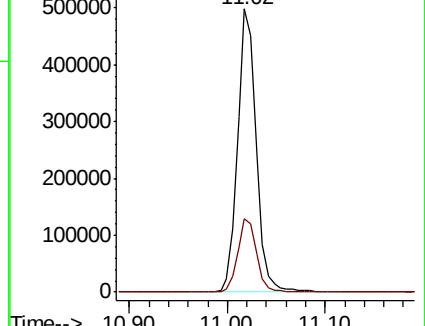
105 100

120 26.6 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: 164.847 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004755.D

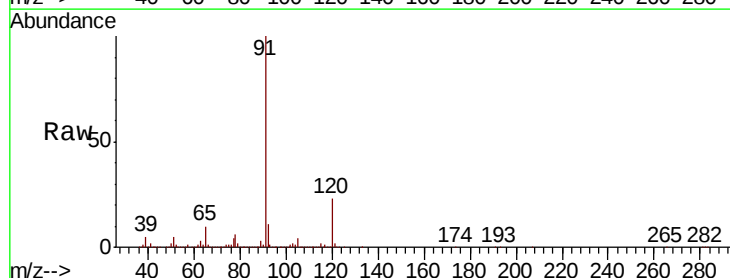
Acq: 27 Sep 2018 05:58

Tgt Ion: 91 Resp: 2917581

Ion Ratio Lower Upper

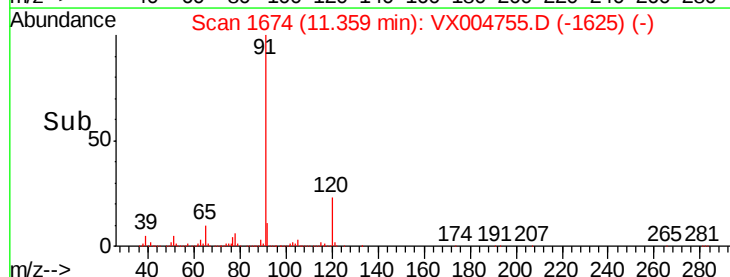
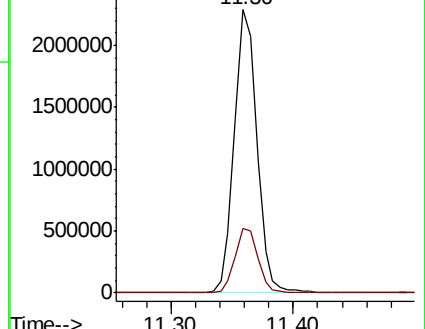
91 100

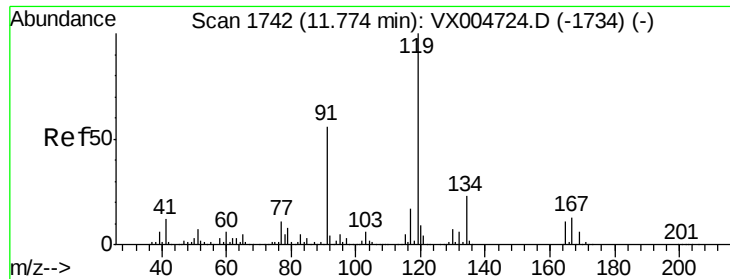
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

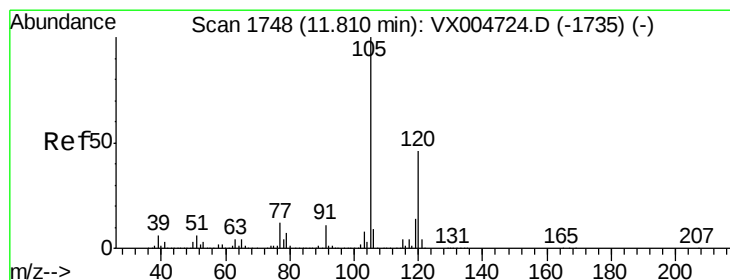
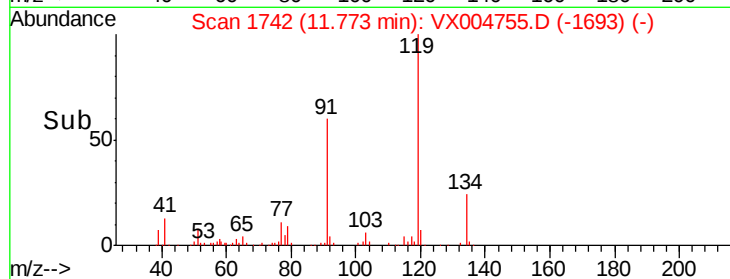
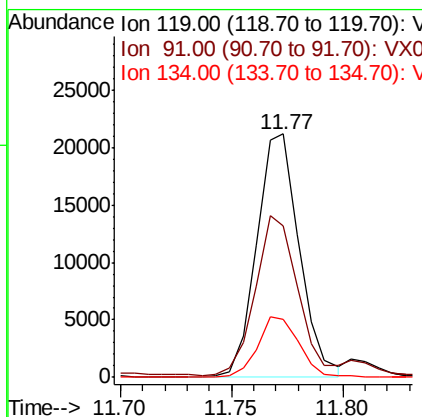
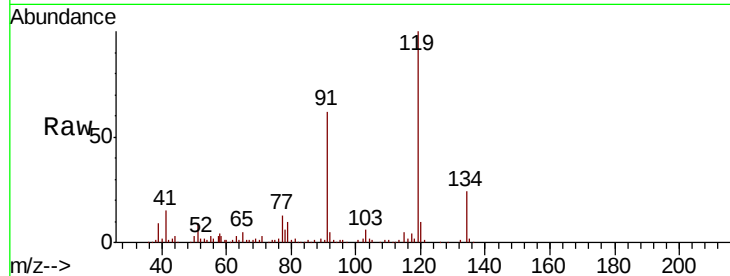




#83
 tert-Butylbenzene
 Concen: 2.229 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004755.D
 Acq: 27 Sep 2018 05:58

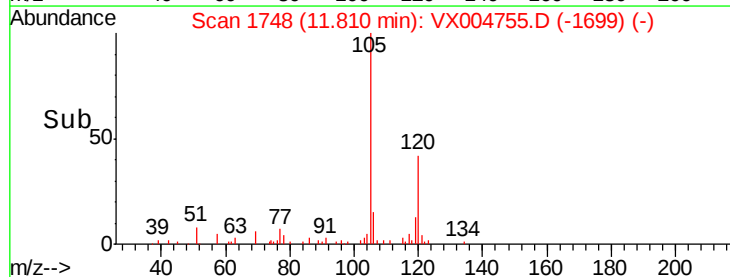
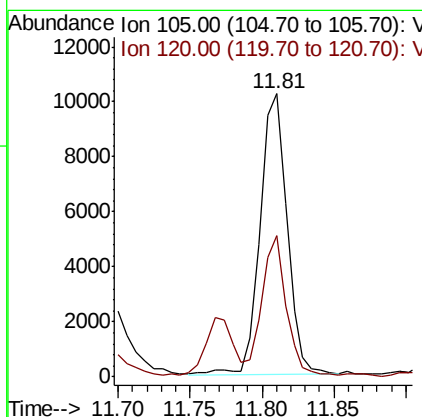
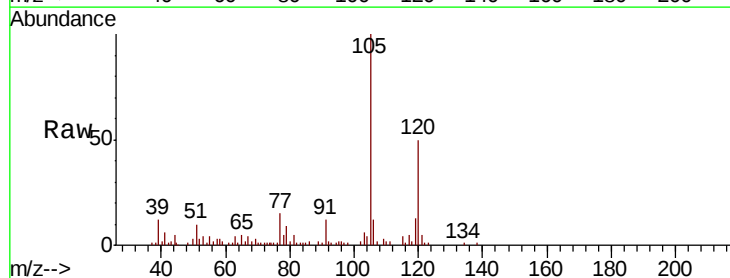
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-2-9.0-091918

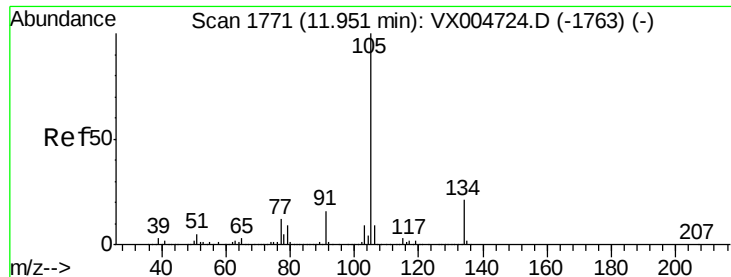
Tot Ion:119 Resp: 28313
 Ion Ratio Lower Upper
 119 100
 91 66.1 27.0 81.0
 134 24.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 0.708 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004755.D
 Acq: 27 Sep 2018 05:58

Tgt Ion:105 Resp: 13163
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 13.738 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

Instrument :

MSVOA_X

ClientSampleId :

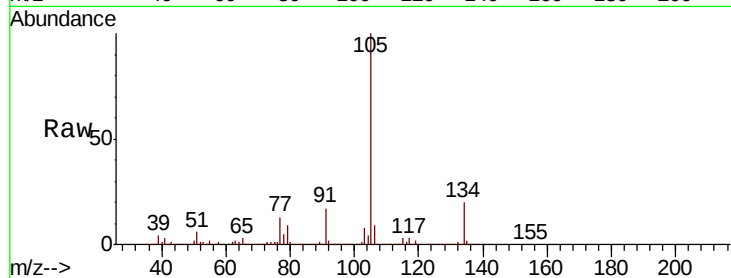
T3-MW-2-9.0-091918

Tot Ion:105 Resp: 212522

Ion Ratio Lower Upper

105 100

134 19.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

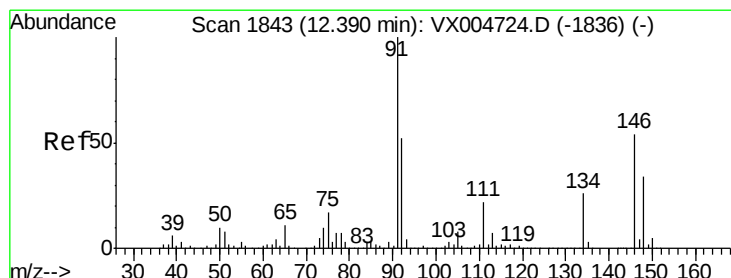
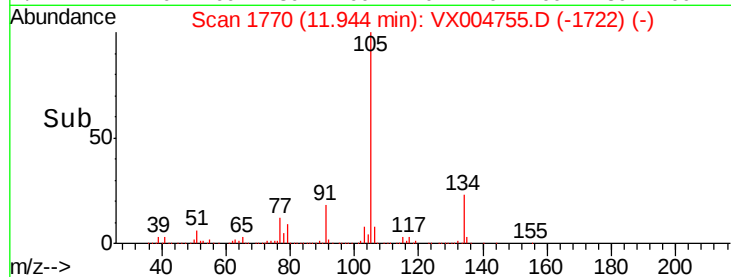
150000

100000

50000

0

Time-->



#89

n-Butylbenzene

Concen: 23.838 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004755.D

Acq: 27 Sep 2018 05:58

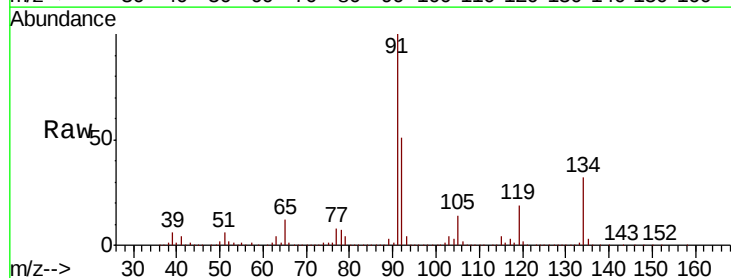
Tgt Ion: 91 Resp: 303416

Ion Ratio Lower Upper

91 100

92 38.9 27.3 81.9

134 77.6 13.6 40.7#



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

400000

300000

200000

100000

0

Time-->

