

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004753.D
 Acq On : 27 Sep 2018 05:05
 Operator : JC/MD
 Sample : J5020-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-091918-01

Quant Time: Sep 27 07:11:21 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	275099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406394	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225764	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	188989	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	5.50	113	165680	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.72	98	596108	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.14	95	228018	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	

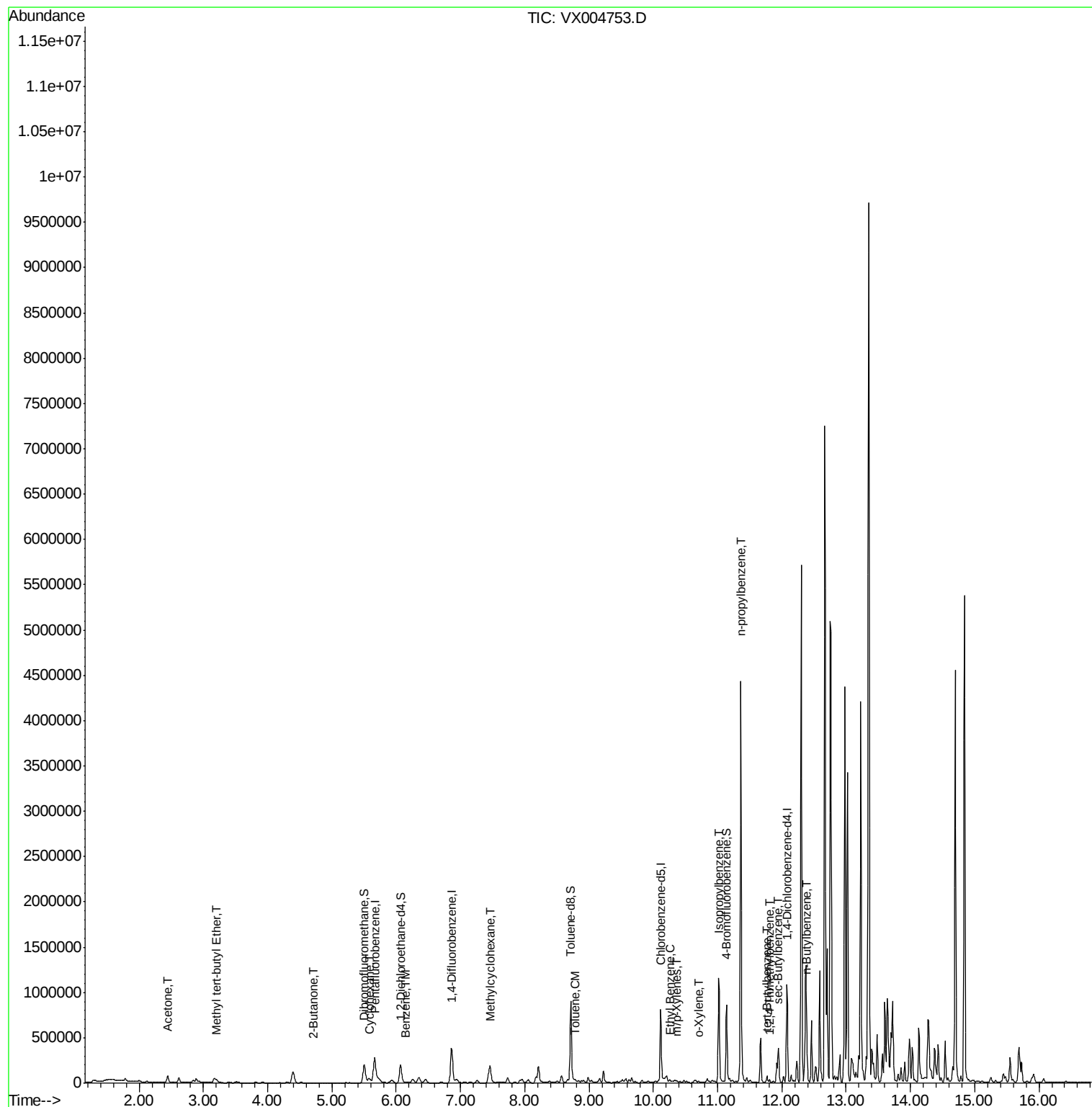
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	73572	32.067	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	34112	3.318	ug/l #	80
25) 2-Butanone	4.71	43	2512	0.743	ug/l #	84
31) Cyclohexane	5.57	56	31666	6.333	ug/l	87
39) Methylcyclohexane	7.46	83	74847	15.598	ug/l #	87
40) Benzene	6.14	78	8117	0.552	ug/l	99
52) Toluene	8.79	92	6214	0.769	ug/l	90
67) Ethyl Benzene	10.26	91	17132	1.068	ug/l	99
68) m/p-Xylenes	10.36	106	1980	0.316	ug/l	95
69) o-Xylene	10.70	106	2382	0.414	ug/l	89
73) Isopropylbenzene	11.02	105	628138	44.141	ug/l	100
78) n-propylbenzene	11.36	91	2785983	170.632	ug/l	99
83) tert-Butylbenzene	11.77	119	27135	2.316	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	13389	0.801	ug/l	96
85) sec-Butylbenzene	11.94	105	199354	13.969	ug/l #	75
89) n-Butylbenzene	12.39	91	286786	24.423	ug/l #	52

(#) = 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: VX004753.D

Acq: 27 Sep 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

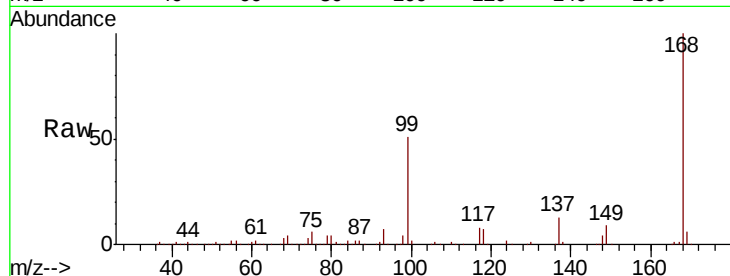
DUP-091918-01

Tot Ion:168 Resp: 275099

Ion Ratio Lower Upper

168 100

99 51.1 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

120000

100000

80000

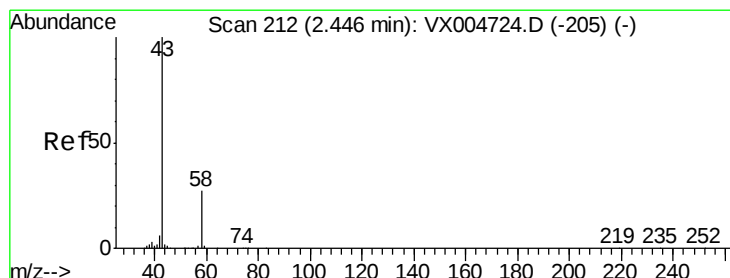
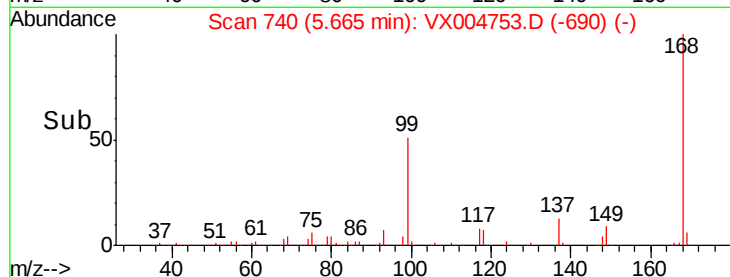
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 32.067 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004753.D

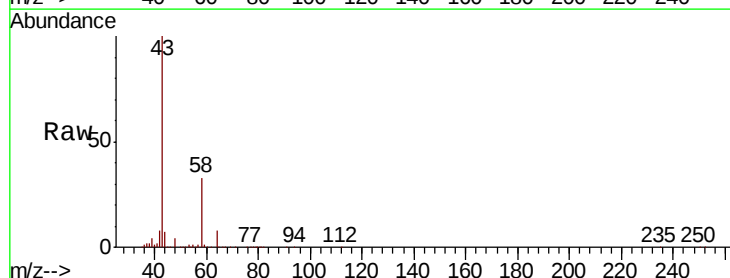
Acq: 27 Sep 2018 05:05

Tgt Ion: 43 Resp: 73572

Ion Ratio Lower Upper

43 100

58 32.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

50000

40000

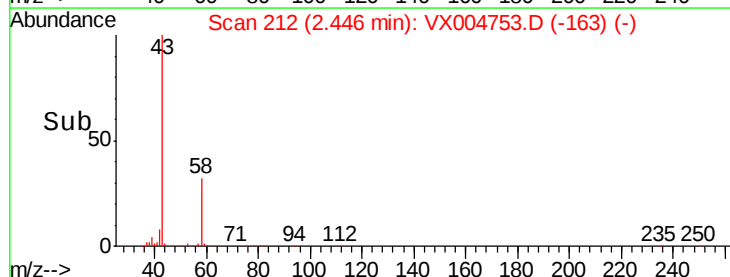
30000

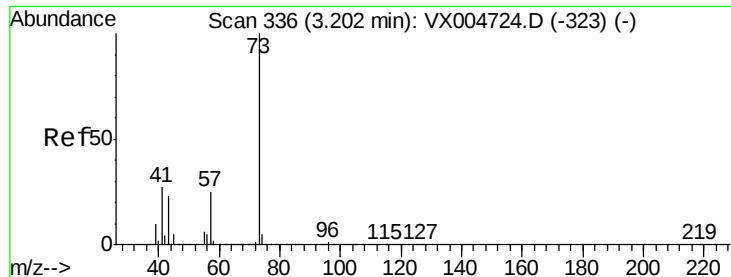
20000

10000

0

Time--> 2.40 2.45 2.50 2.55



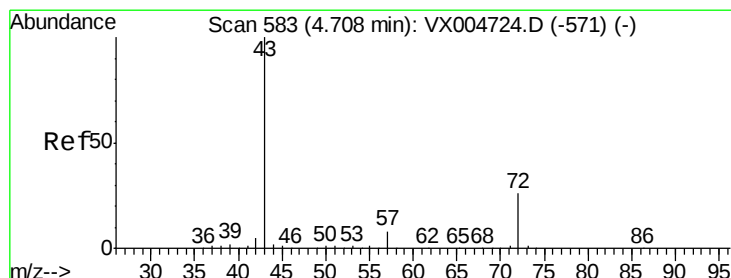
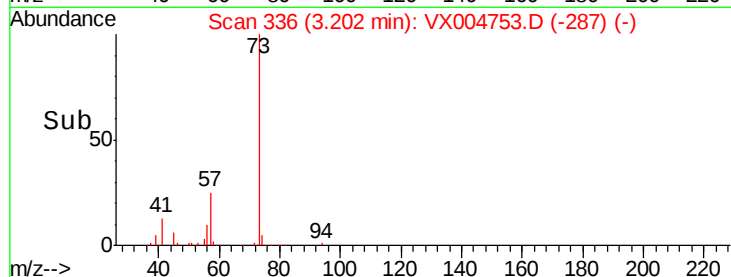
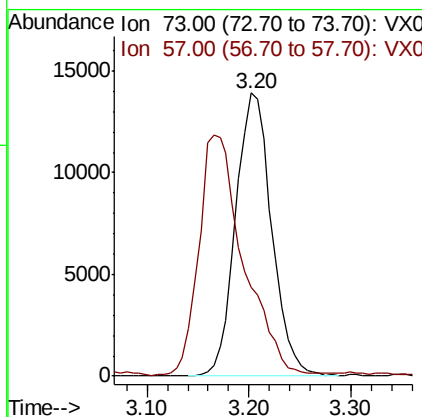
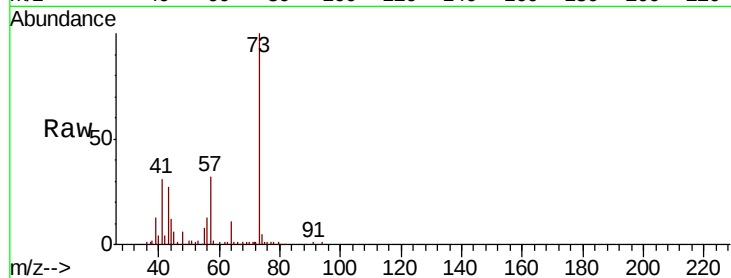


#19

Methyl tert-butyl Ether
 Concen: 3.318 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004753.D
 Acq: 27 Sep 2018 05:05

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-091918-01

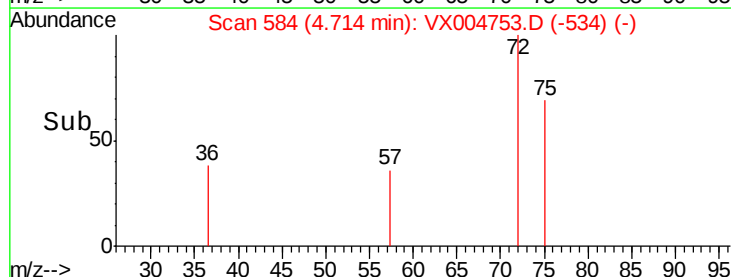
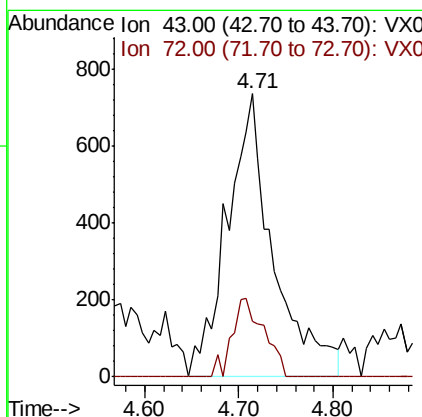
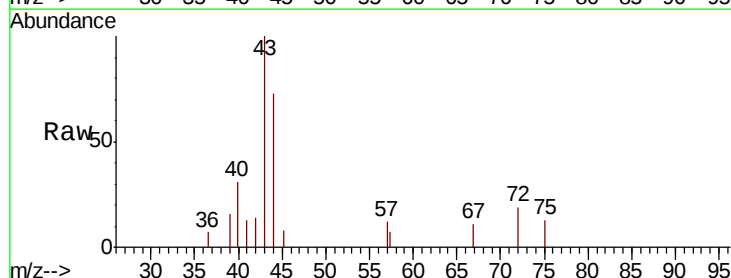
Tot Ion: 73 Resp: 34112
 Ion Ratio Lower Upper
 73 100
 57 30.6 17.1 25.7#

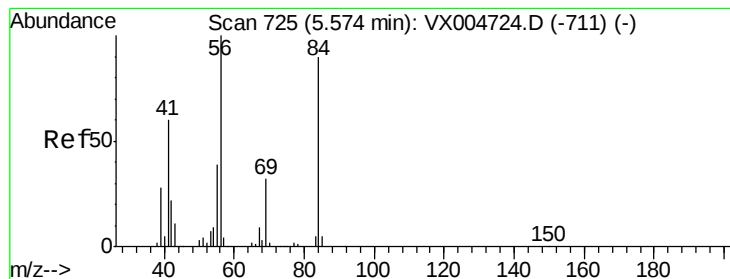


#25

2-Butanone
 Concen: 0.743 ug/l
 RT: 4.71 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX004753.D
 Acq: 27 Sep 2018 05:05

Tgt Ion: 43 Resp: 2512
 Ion Ratio Lower Upper
 43 100
 72 19.4 22.0 33.0#





#31

Cyclohexane

Concen: 6.333 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004753.D

Acq: 27 Sep 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-091918-01

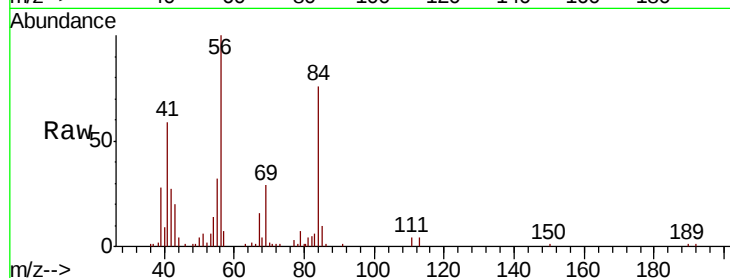
Tot Ion: 56 Resp: 31666

Ion Ratio Lower Upper

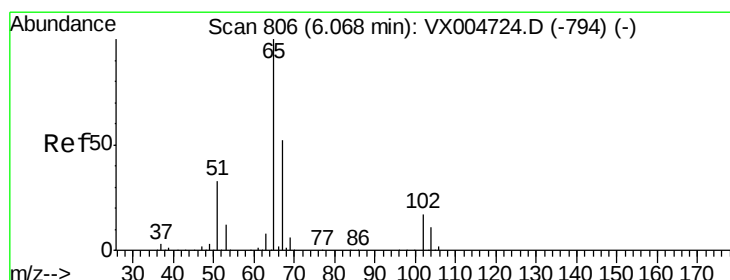
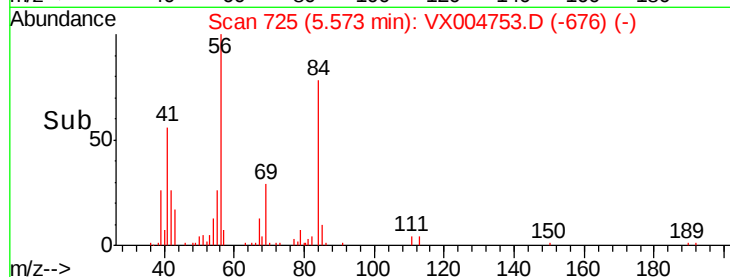
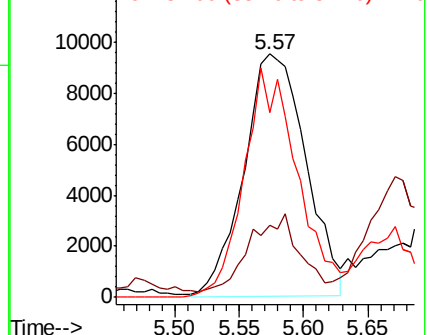
56 100

69 27.0 25.4 38.2

84 75.7 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: 48.091 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004753.D

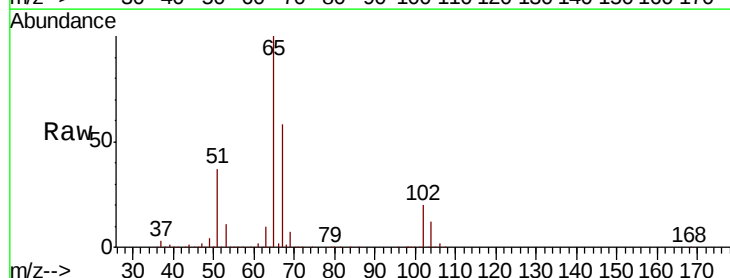
Acq: 27 Sep 2018 05:05

Tgt Ion: 65 Resp: 188989

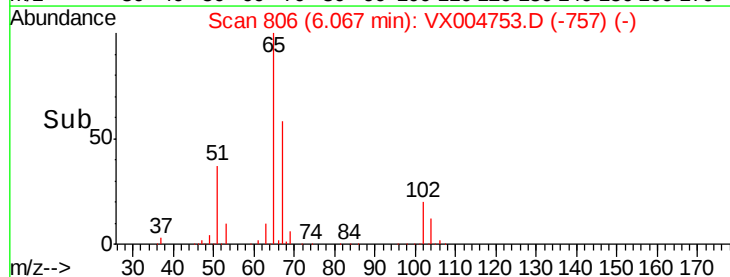
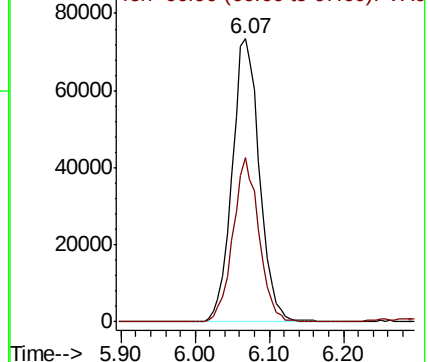
Ion Ratio Lower Upper

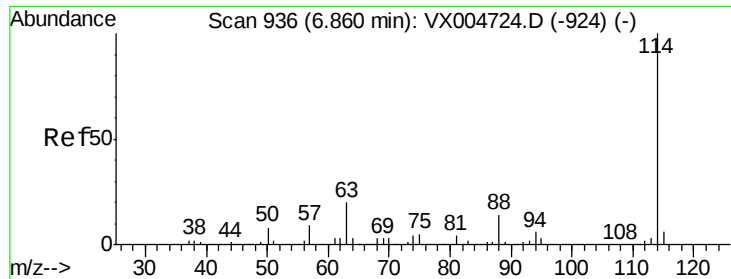
65 100

67 55.2 0.0 106.8



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

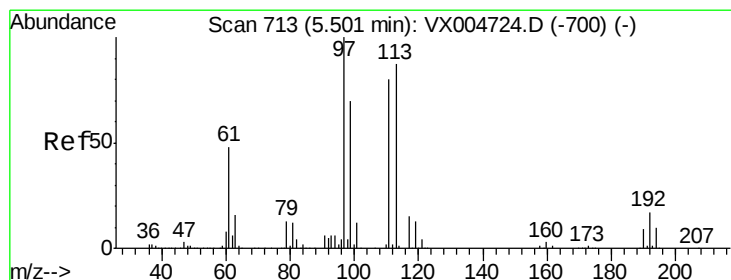
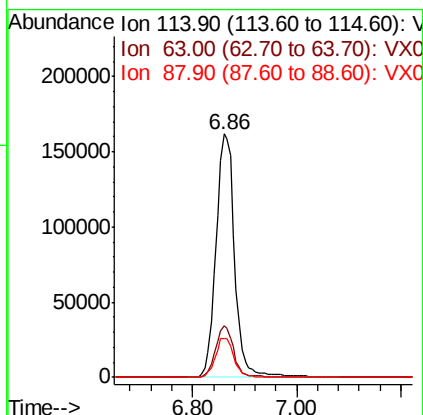
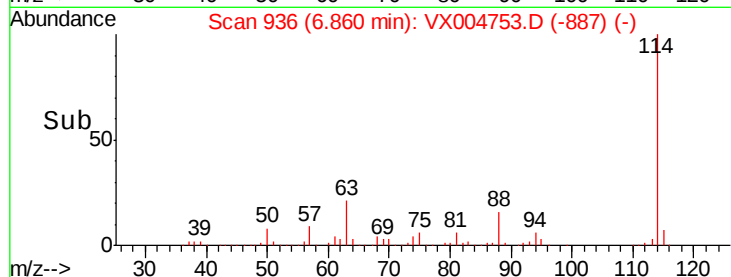
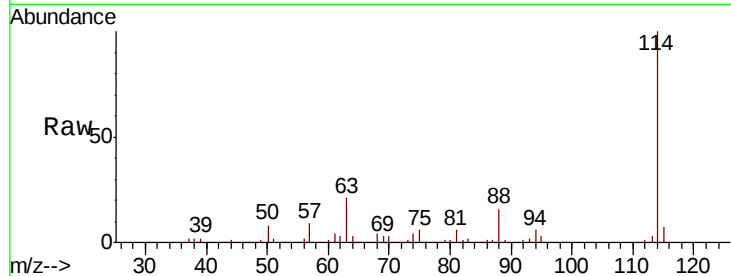




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004753.D
 Acq: 27 Sep 2018 05:05

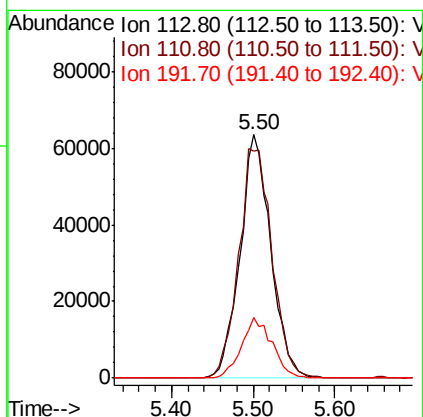
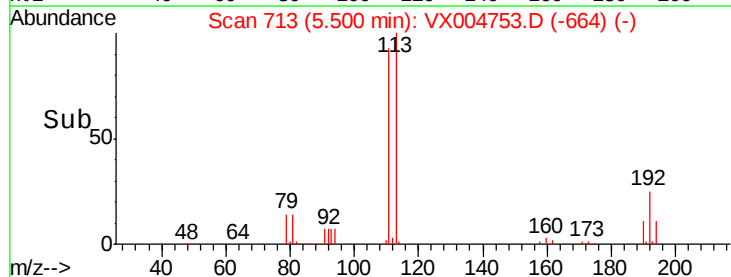
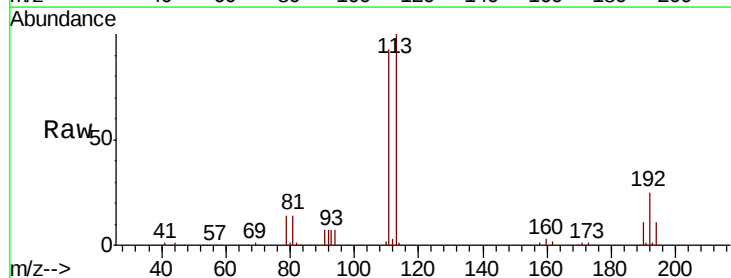
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-091918-01

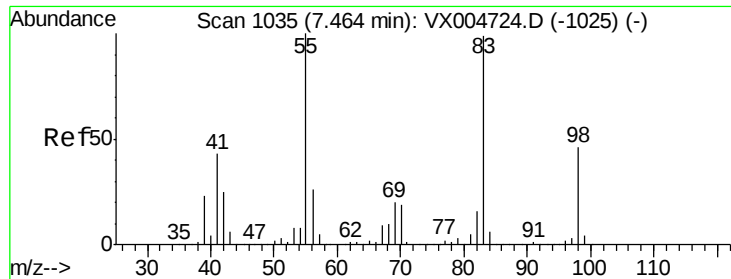
Tot Ion:114 Resp: 406394
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.0
 88 16.0 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 48.103 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004753.D
 Acq: 27 Sep 2018 05:05

Tgt Ion:113 Resp: 165680
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 24.9 19.4 29.2

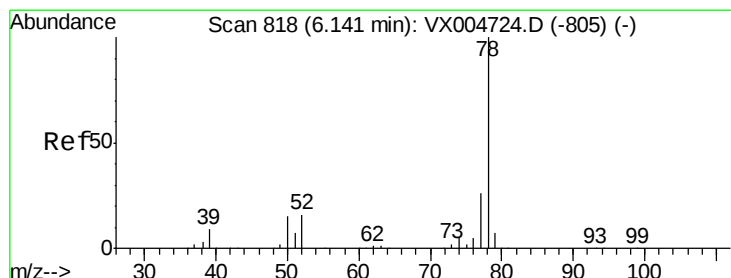
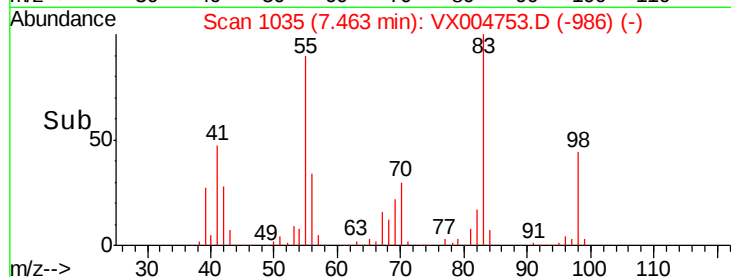
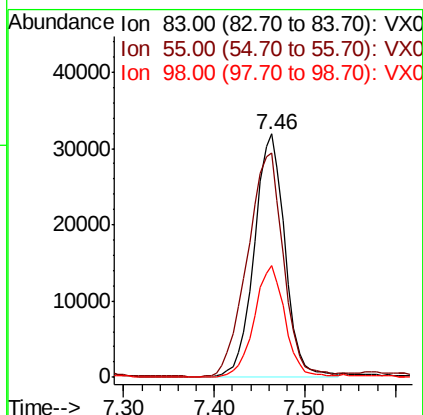
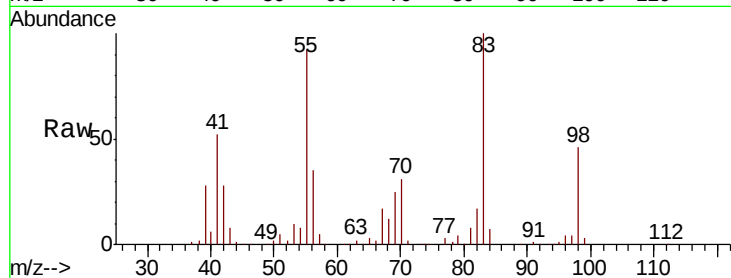




#39
Methvlcvclohexane
Concen: 15.598 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

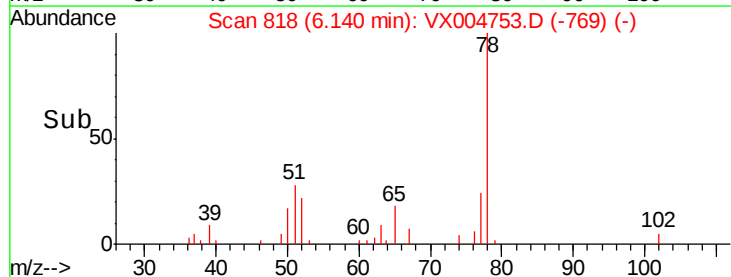
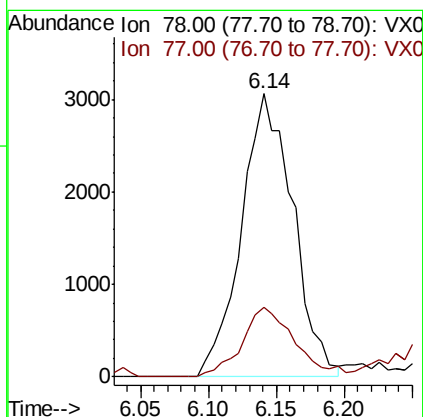
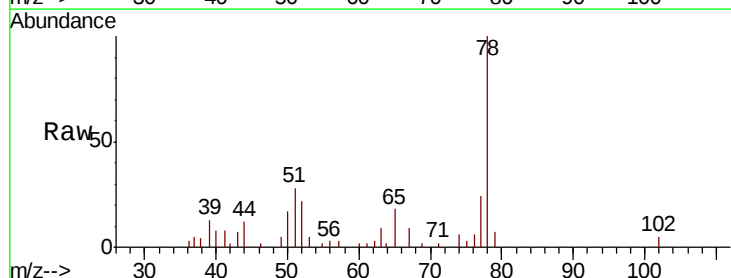
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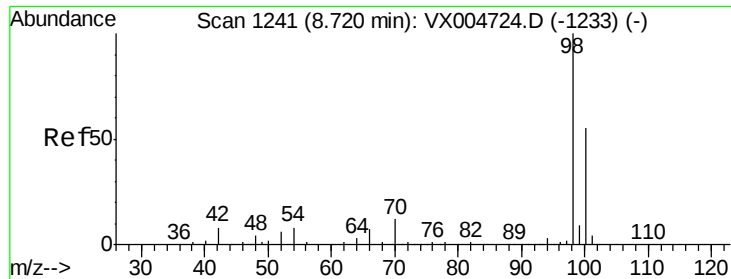
Tot Ion: 83 Resp: 74847
Ion Ratio Lower Upper
83 100
55 91.7 61.0 91.4#
98 46.0 39.6 59.4



#40
Benzene
Concen: 0.552 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

Tgt Ion: 78 Resp: 8117
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

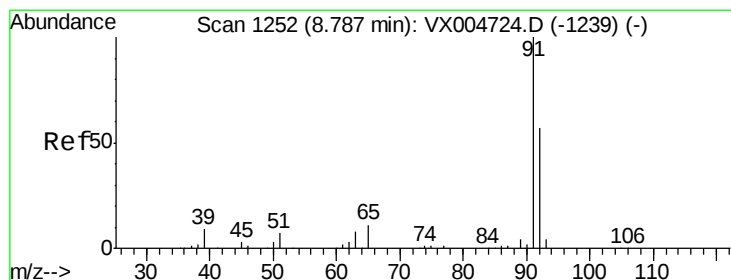
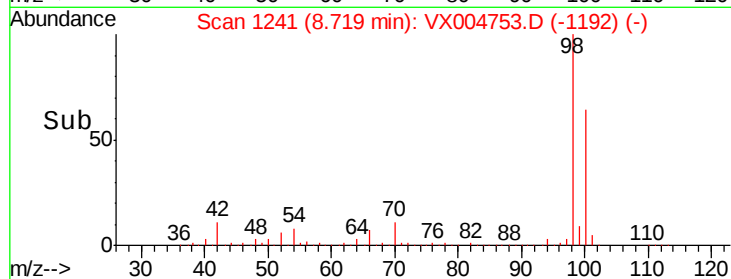
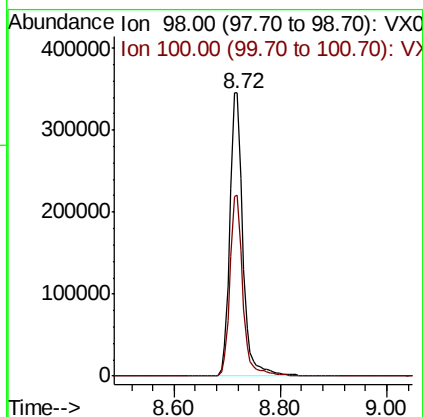
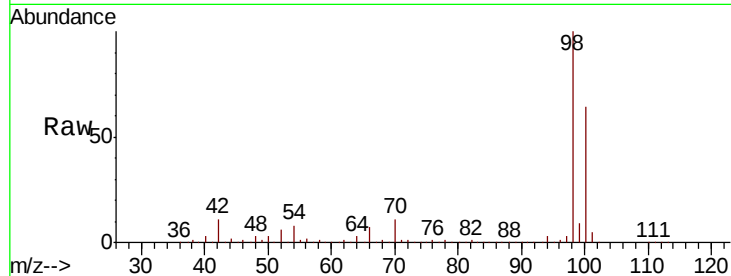




#50
Toluene-d8
Concen: 52.060 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

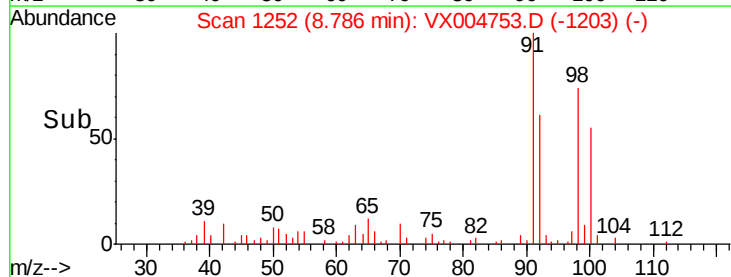
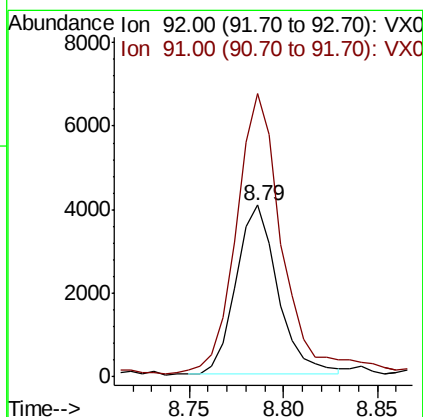
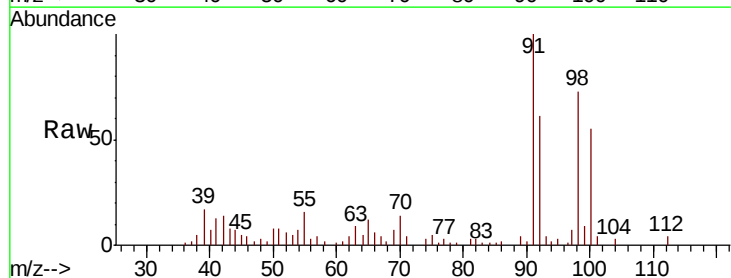
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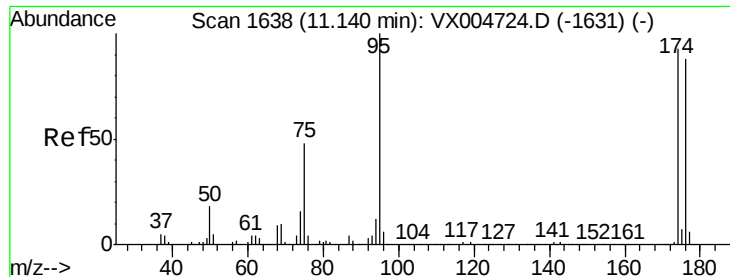
Tot Ion: 98 Resp: 596108
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#52
Toluene
Concen: 0.769 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

Tgt Ion: 92 Resp: 6214
Ion Ratio Lower Upper
92 100
91 184.1 136.4 204.6

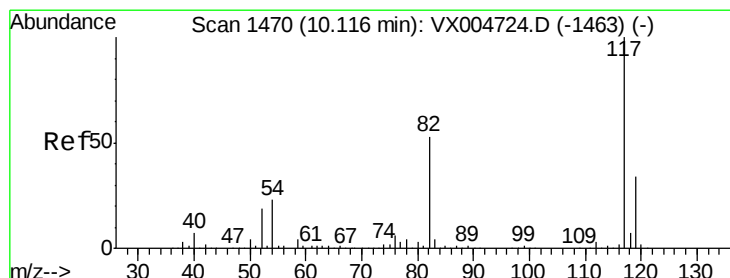
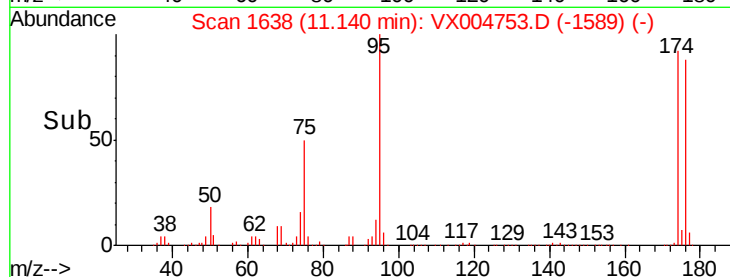
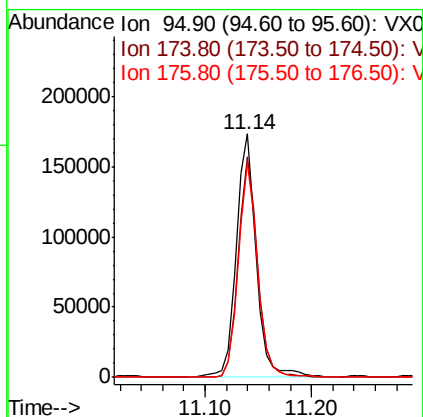
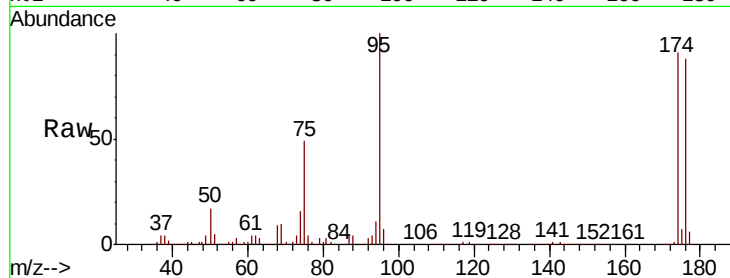




#62
4-Bromofluorobenzene
Concen: 55.276 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

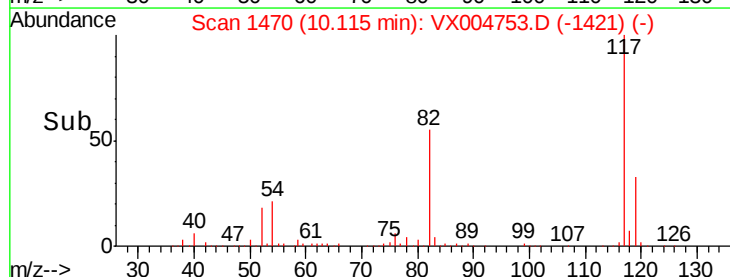
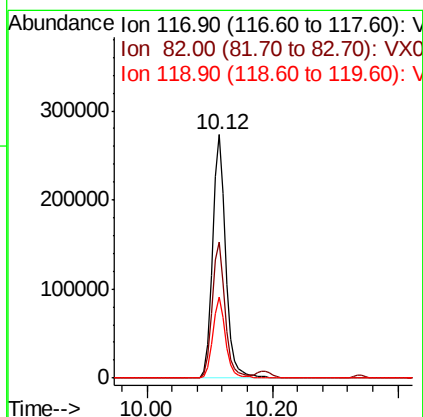
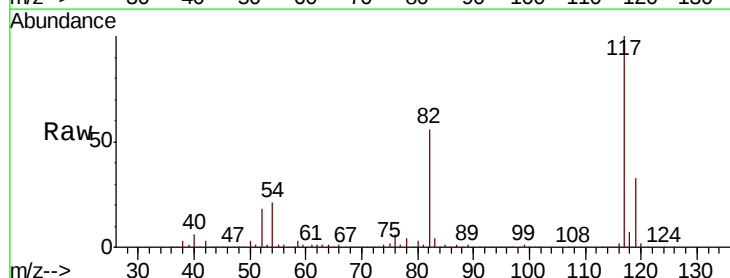
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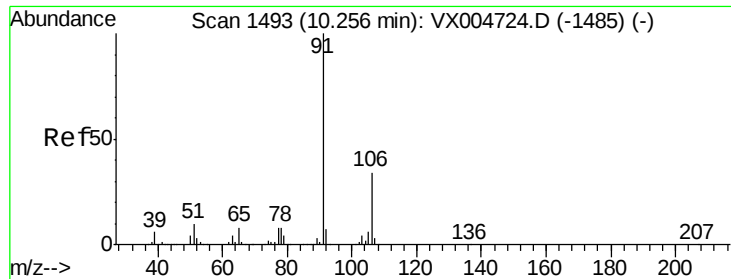
Tot Ion: 95 Resp: 228018
Ion Ratio Lower Upper
95 100
174 88.1 0.0 185.2
176 84.7 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

Tgt Ion: 117 Resp: 393862
Ion Ratio Lower Upper
117 100
82 55.6 47.8 71.6
119 33.1 29.3 43.9

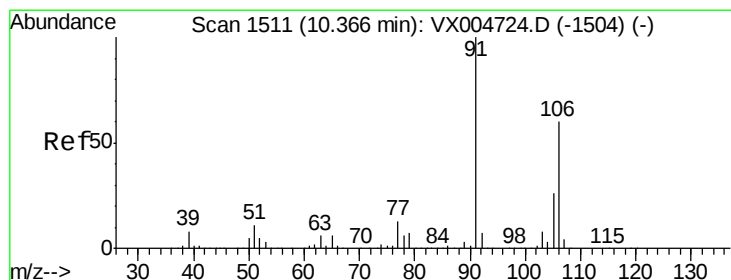
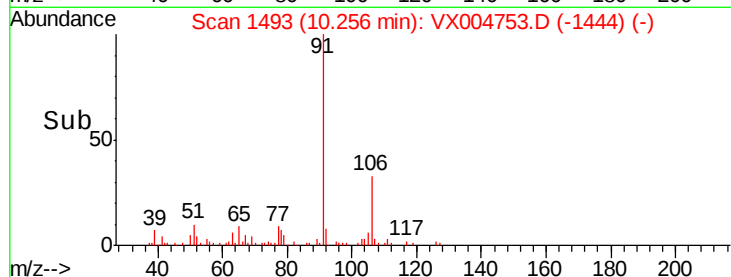
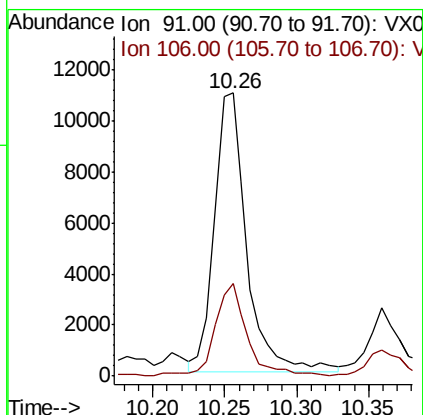
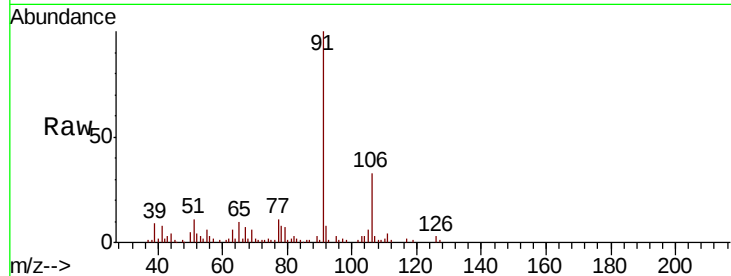




#67
Ethyl Benzene
Concen: 1.068 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

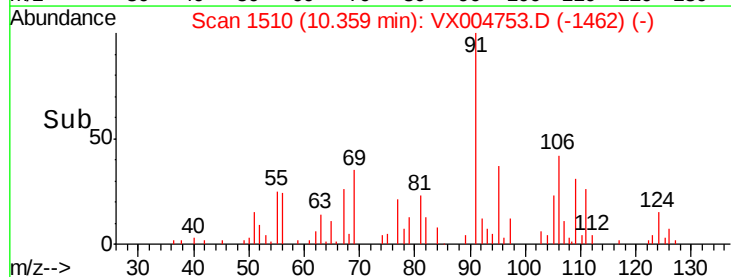
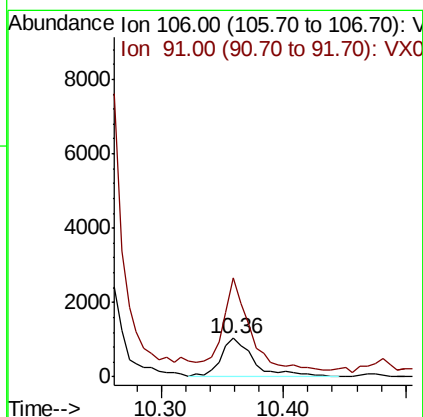
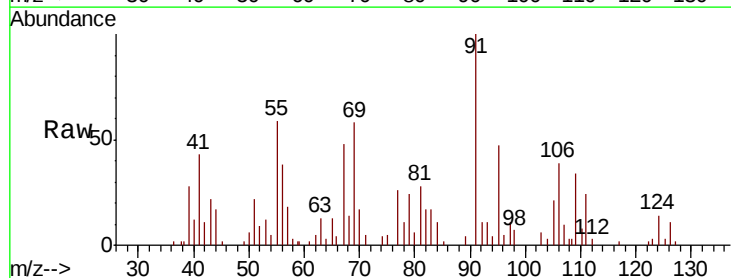
Instrument :
MSVOA_X
ClientSampled :
DUP-091918-01

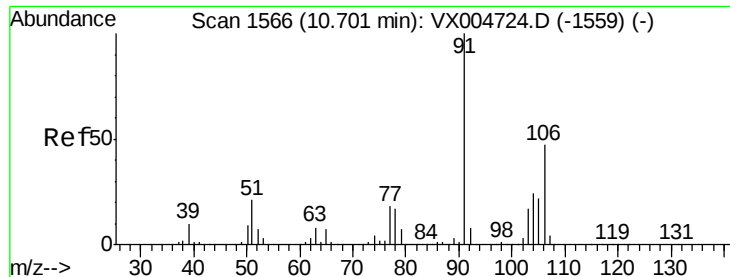
Tot Ion: 91 Resp: 17132
Ion Ratio Lower Upper
91 100
106 33.2 25.9 38.9



#68
m/p-Xylenes
Concen: 0.316 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

Tgt Ion: 106 Resp: 1980
Ion Ratio Lower Upper
106 100
91 188.6 157.1 235.7

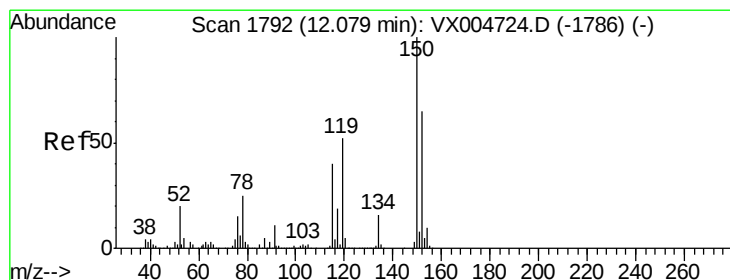
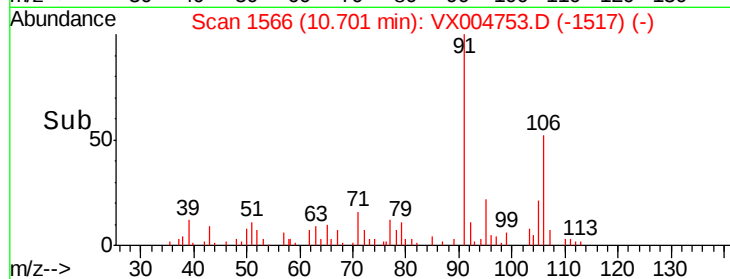
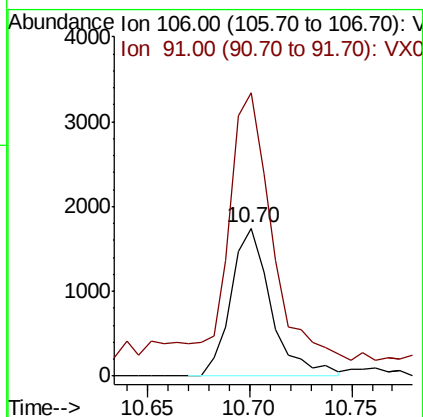
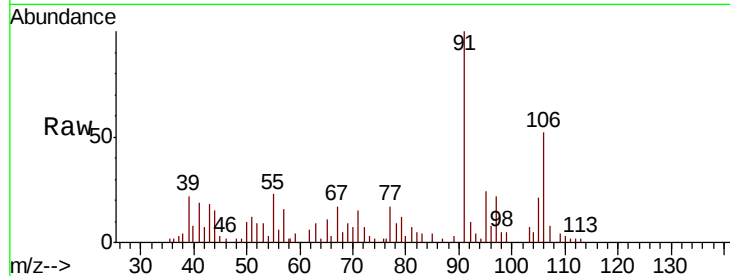




#69
o-Xylene
Concen: 0.414 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

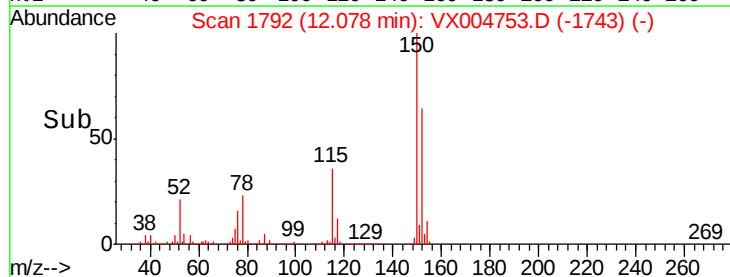
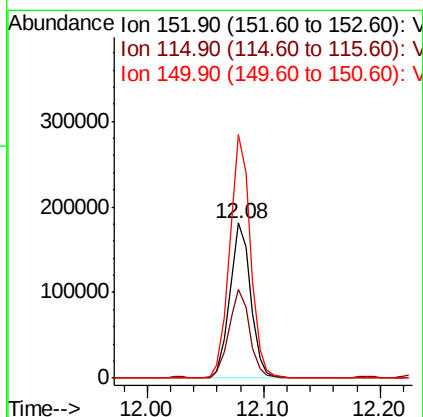
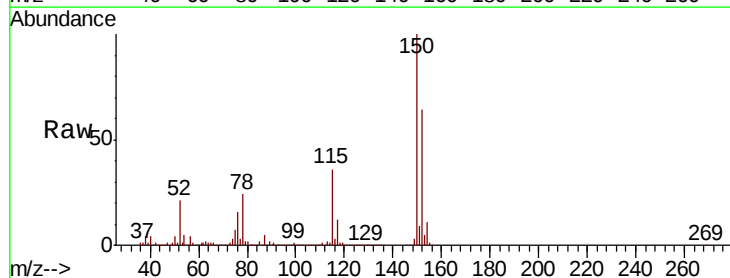
Instrument :
MSVOA_X
ClientSampleId :
DUP-091918-01

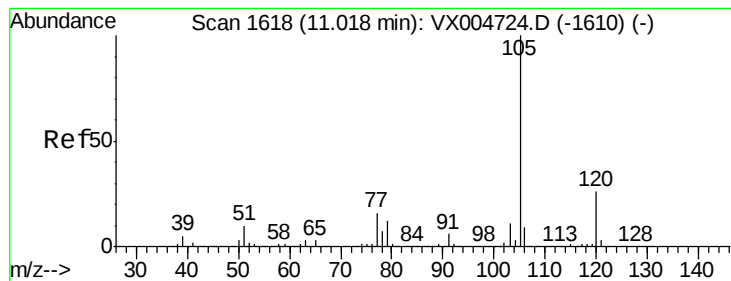
Tot Ion:106 Resp: 2382
Ion Ratio Lower Upper
106 100
91 193.5 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004753.D
Acq: 27 Sep 2018 05:05

Tgt Ion:152 Resp: 225764
Ion Ratio Lower Upper
152 100
115 56.0 39.0 117.0
150 156.4 0.0 351.0





#73

Isopropylbenzene

Concen: 44.141 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004753.D

Acq: 27 Sep 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

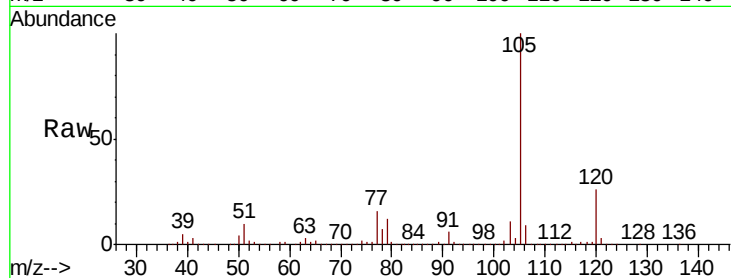
DUP-091918-01

Tot Ion:105 Resp: 628138

Ion Ratio Lower Upper

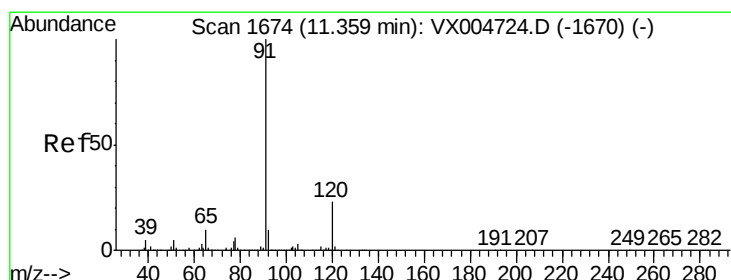
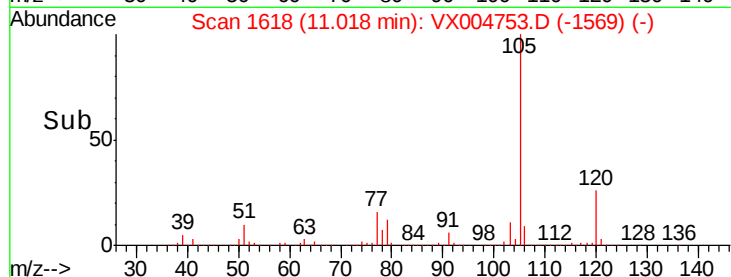
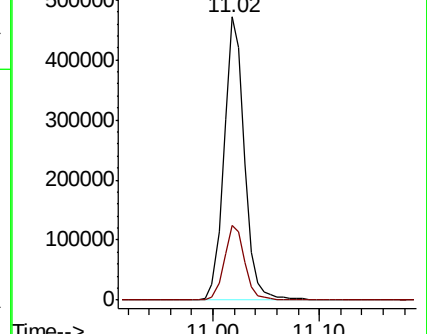
105 100

120 26.8 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: 170.632 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004753.D

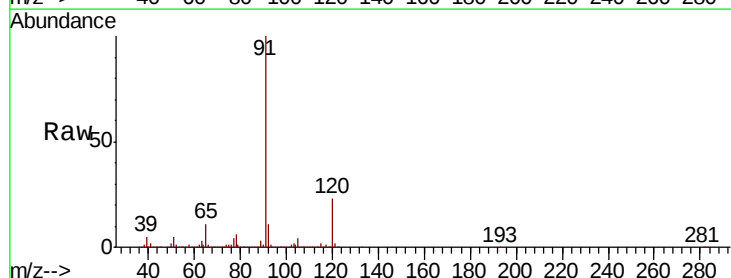
Acq: 27 Sep 2018 05:05

Tgt Ion: 91 Resp: 2785983

Ion Ratio Lower Upper

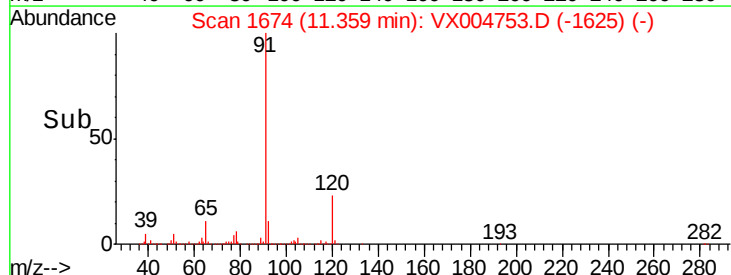
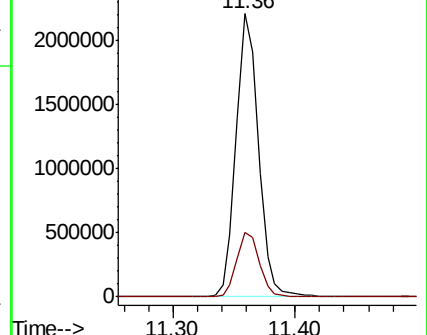
91 100

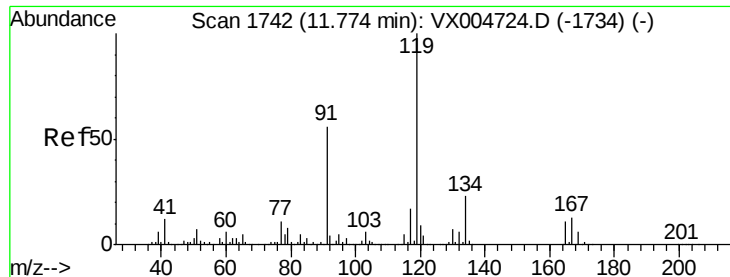
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 2.316 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004753.D

Acq: 27 Sep 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

DUP-091918-01

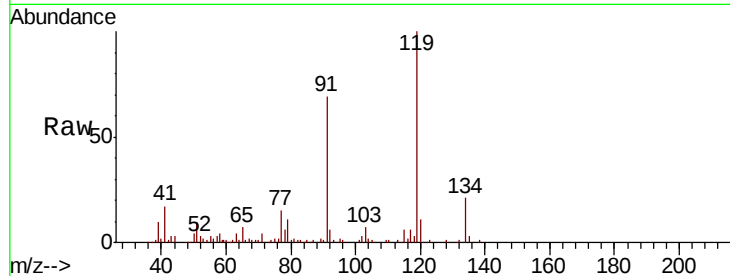
Tot Ion:119 Resp: 27135

Ion Ratio Lower Upper

119 100

91 65.6 27.0 81.0

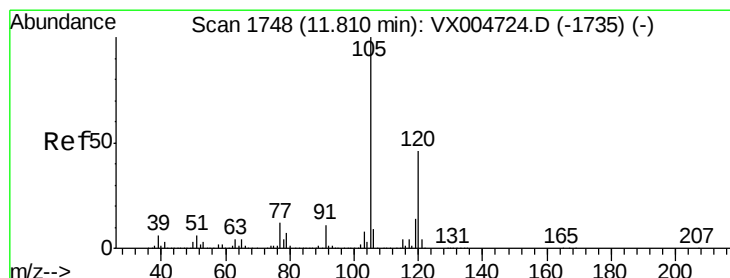
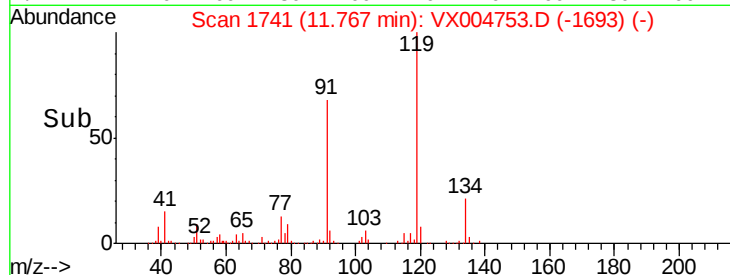
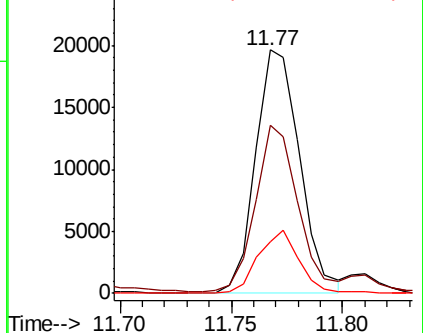
134 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.801 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004753.D

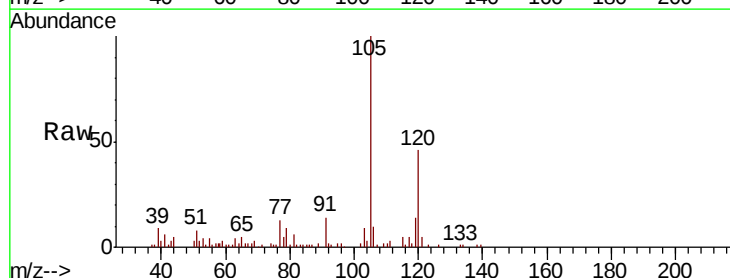
Acq: 27 Sep 2018 05:05

Tgt Ion:105 Resp: 13389

Ion Ratio Lower Upper

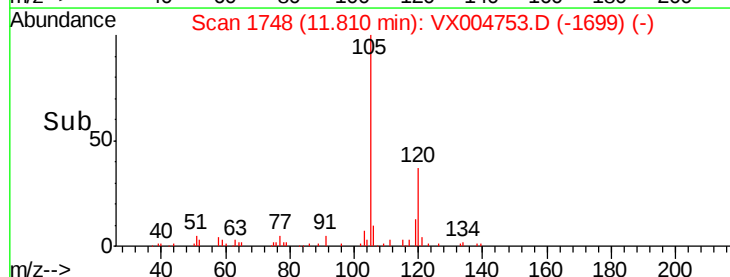
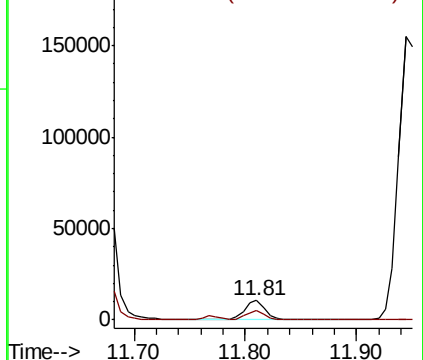
105 100

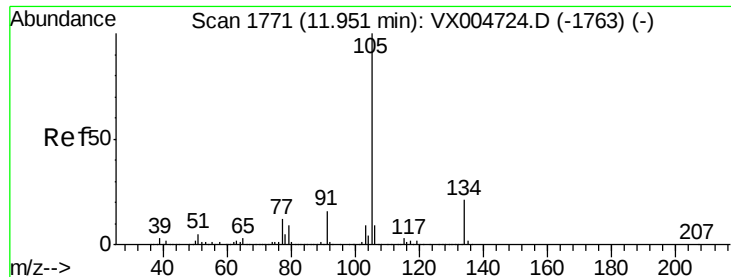
120 43.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 13.969 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004753.D

Acq: 27 Sep 2018 05:05

Instrument :

MSVOA_X

ClientSampleId :

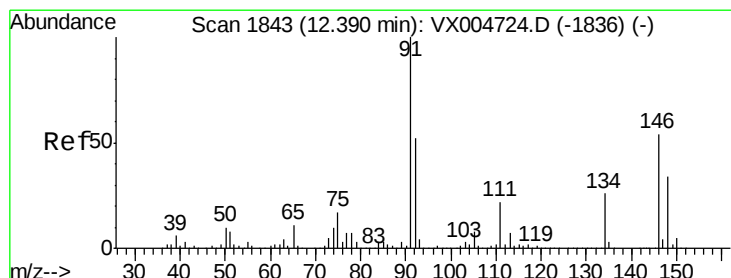
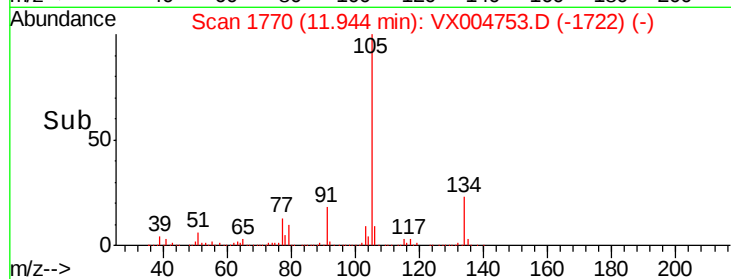
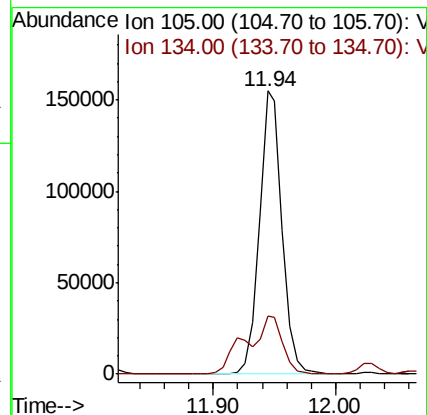
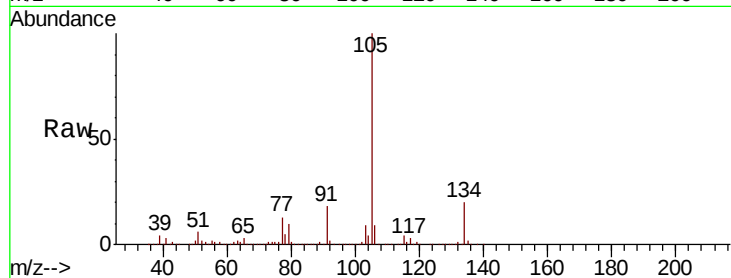
DUP-091918-01

Tot Ion:105 Resp: 199354

Ion Ratio Lower Upper

105 100

134 32.8 10.5 31.5#



#89

n-Butylbenzene

Concen: 24.423 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004753.D

Acq: 27 Sep 2018 05:05

Tgt Ion: 91 Resp: 286786

Ion Ratio Lower Upper

91 100

92 38.7 27.3 81.9

134 78.8 13.6 40.7#

