

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005895.D
 Acq On : 12 Nov 2018 12:55
 Operator : JC/MD
 Sample : J5889-02
 Misc : 14.24g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-B

Quant Time: Nov 13 05:05:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	92798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	137587	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	137065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74386	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	58580	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	5.50	113	45102	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	176086	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
62) 4-Bromofluorobenzene	11.14	95	68642	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	

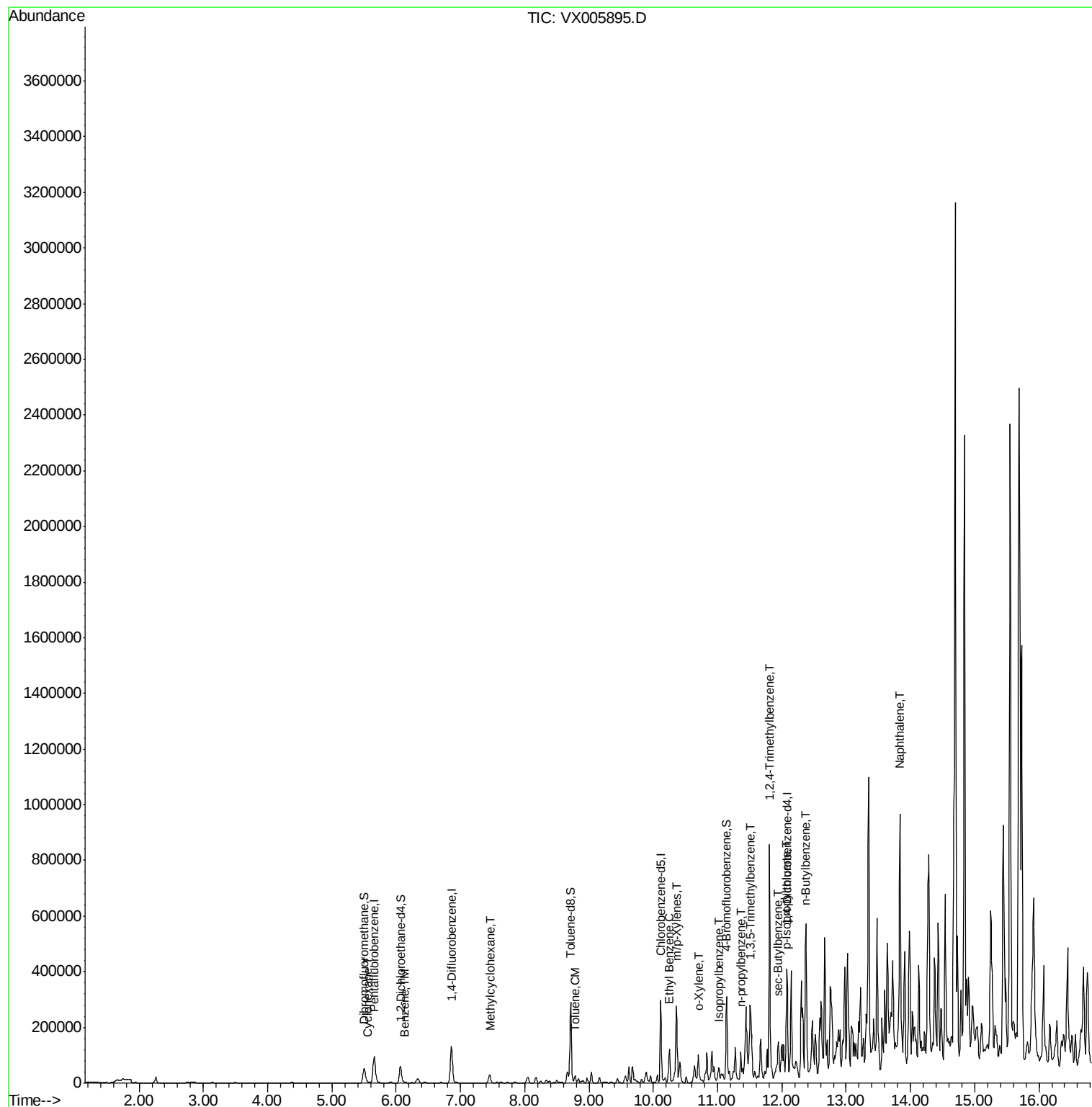
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	2241	1.508	ug/l #	80
39) Methylcyclohexane	7.46	83	11226	8.351	ug/l #	82
40) Benzene	6.13	78	4378	1.132	ug/l	96
52) Toluene	8.79	92	8703	4.027	ug/l	95
67) Ethyl Benzene	10.25	91	64557	14.662	ug/l	99
68) m/p-Xylenes	10.36	106	57826	34.431	ug/l	100
69) o-Xylene	10.70	106	19806	13.151	ug/l	99
73) Isopropylbenzene	11.02	105	23969	5.572	ug/l	100
78) n-propylbenzene	11.36	91	62097	12.249	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	106611	29.164	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	343442	85.217	ug/l	99
85) sec-Butylbenzene	11.94	105	39290	8.688	ug/l	81
86) p-Isopropyltoluene	12.07	119	29510	7.367	ug/l	98
89) n-Butylbenzene	12.38	91	68857	18.547	ug/l #	39
95) Naphthalene	13.83	128	545976	100.796	ug/l	98

(#) = 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# 739

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

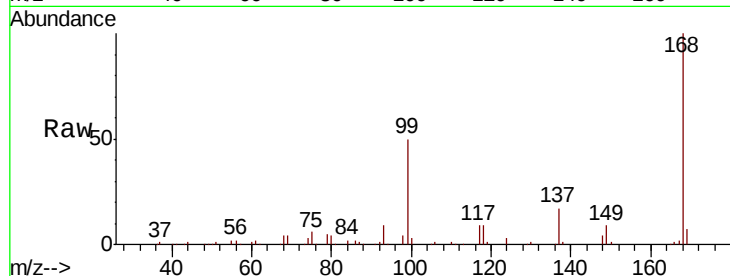
WALL-B

Tot Ion:168 Resp: 92798

Ion Ratio Lower Upper

168 100

99 49.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

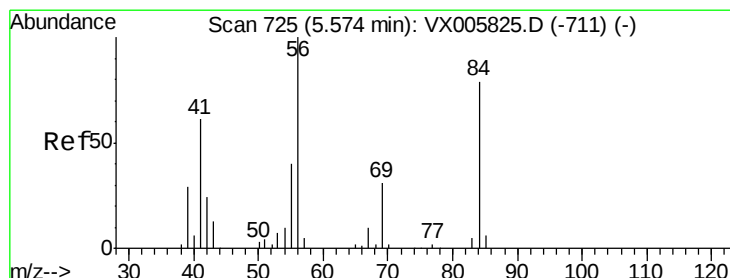
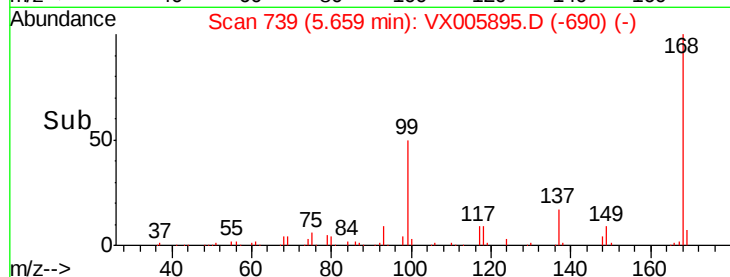
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 1.508 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

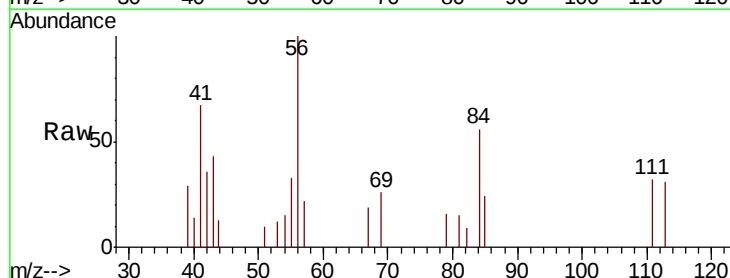
Tgt Ion: 56 Resp: 2241

Ion Ratio Lower Upper

56 100

69 26.3 22.6 34.0

84 56.3 62.7 94.1#



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

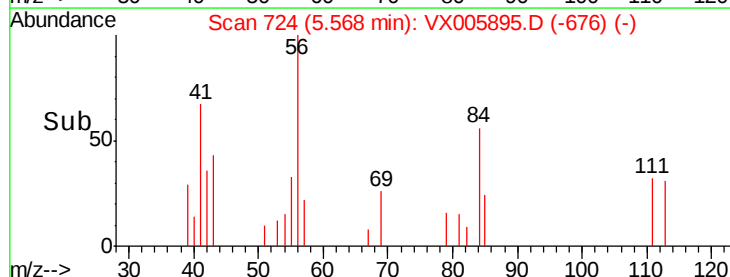
1500

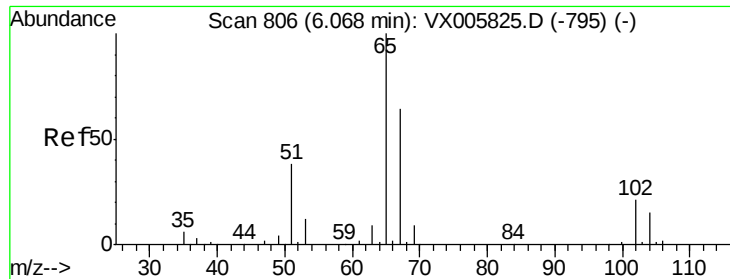
1000

500

0

Time--> 5.45 5.50 5.55 5.60 5.65

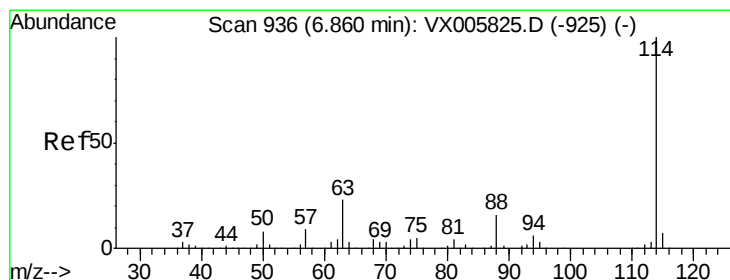
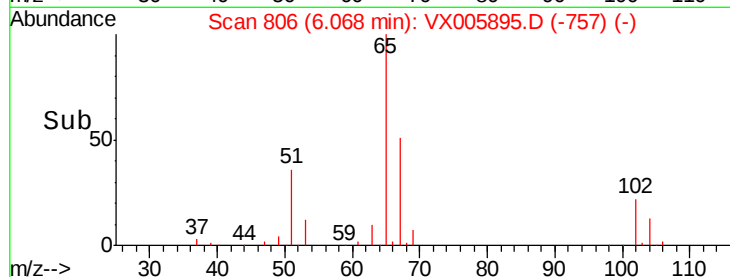
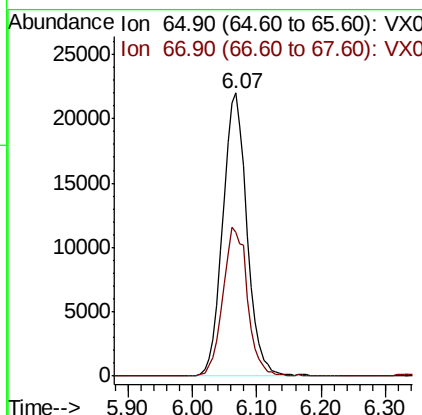
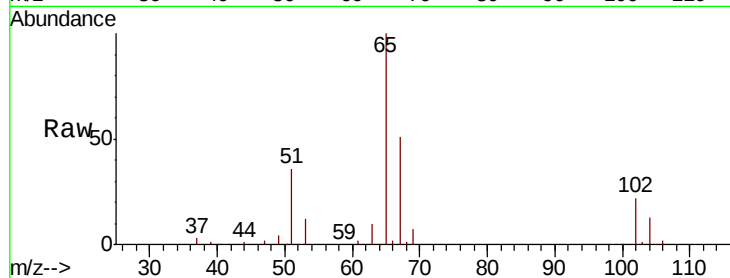




#33
 1,2-Dichloroethane-d4
 Concen: 54.910 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005895.D
 Acq: 12 Nov 2018 12:55

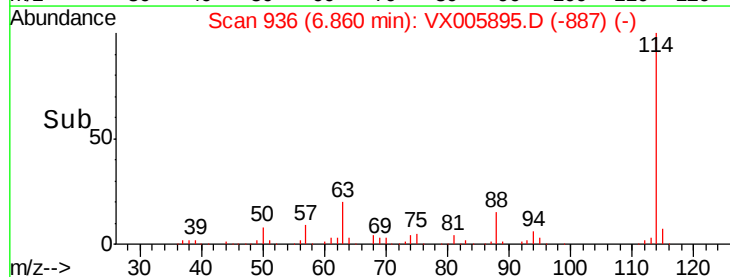
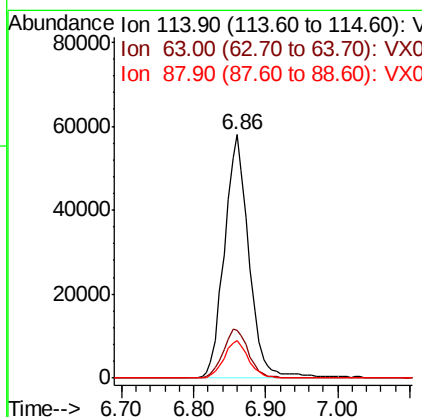
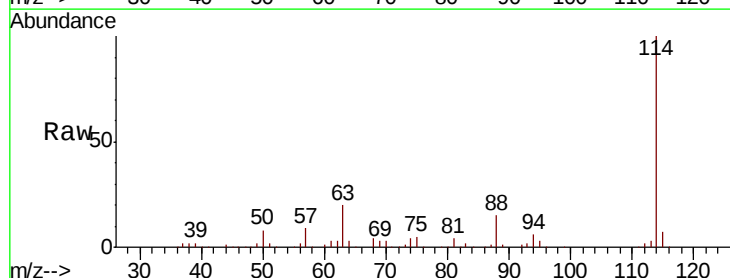
Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-B

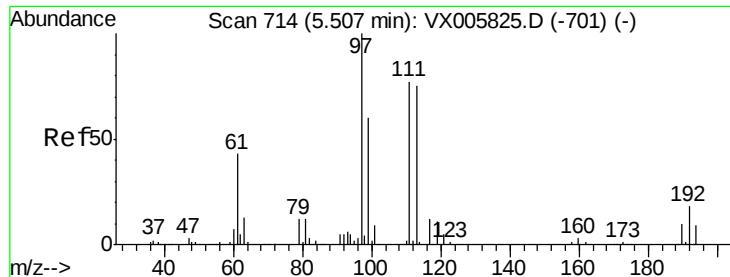
Tot Ion: 65 Resp: 58580
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005895.D
 Acq: 12 Nov 2018 12:55

Tgt Ion: 114 Resp: 137587
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.8
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.196 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

WALL-B

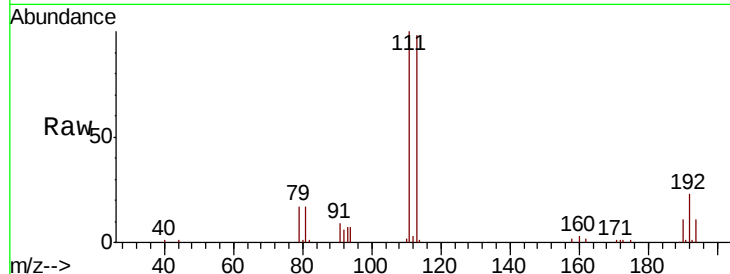
Tot Ion:113 Resp: 45102

Ion Ratio Lower Upper

113 100

111 104.3 82.3 123.5

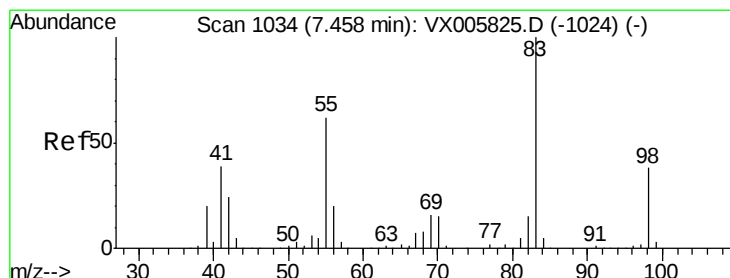
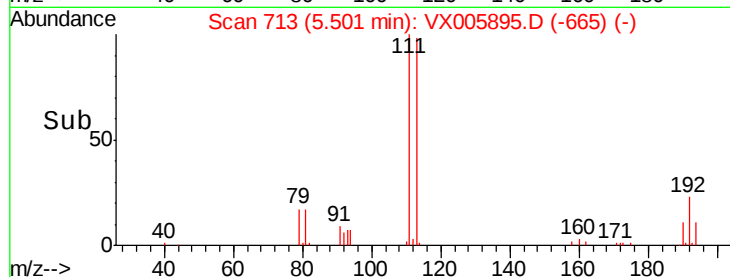
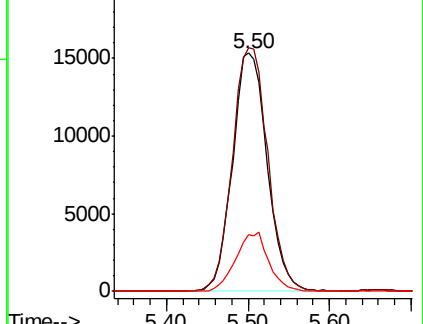
192 23.4 17.9 26.9



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: 8.351 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

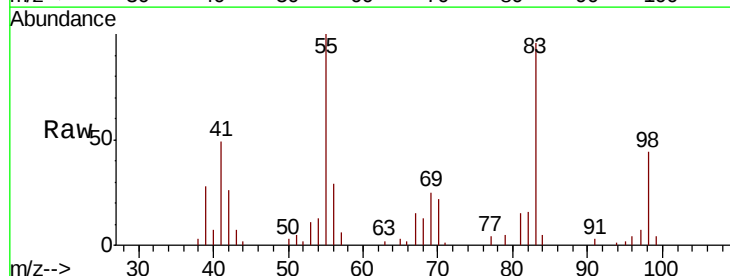
Tgt Ion: 83 Resp: 11226

Ion Ratio Lower Upper

83 100

55 103.8 63.7 95.5#

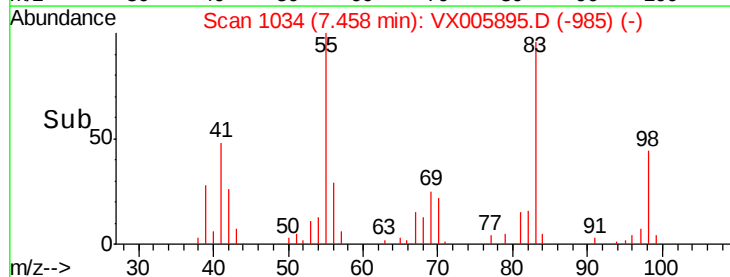
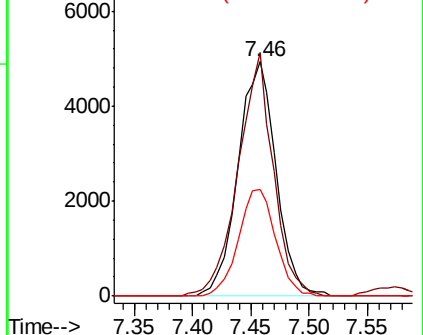
98 45.7 36.2 54.2

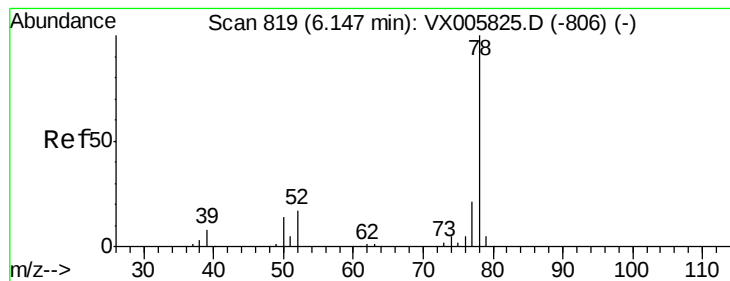


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.132 ug/l

RT: 6.13 min Scan# 816

Delta R.T. -0.02 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

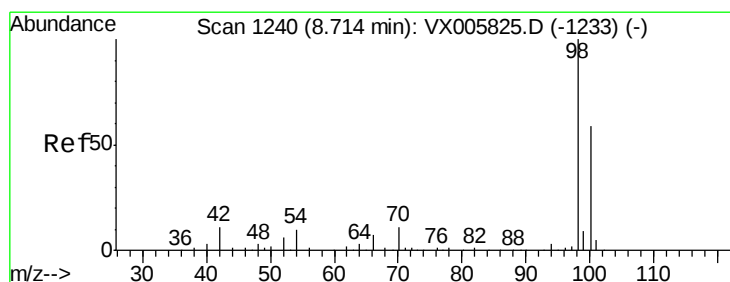
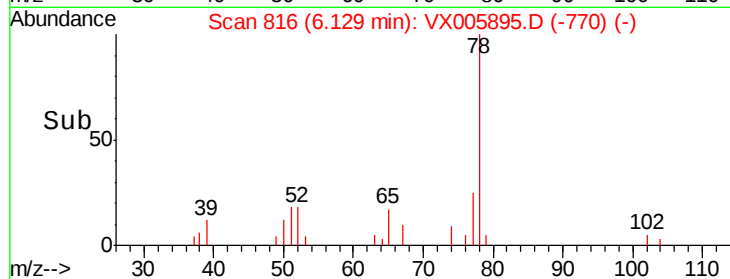
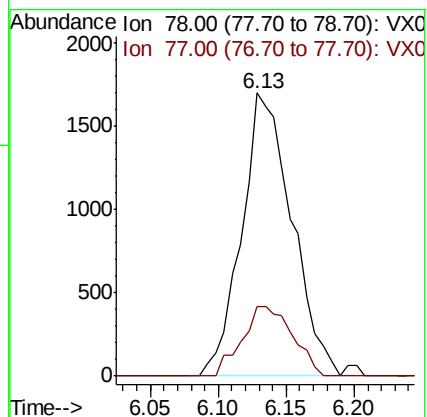
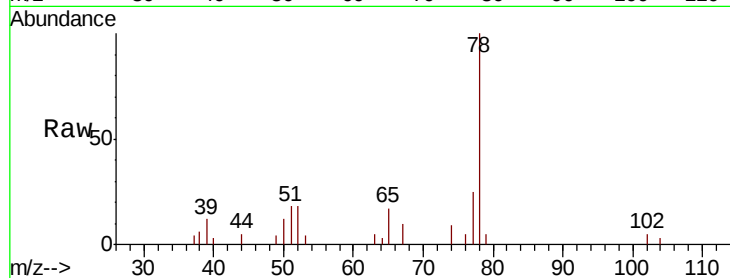
WALL-B

Tot Ion: 78 Resp: 4378

Ion Ratio Lower Upper

78 100

77 24.8 18.4 27.6



#50

Toluene-d8

Concen: 56.599 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005895.D

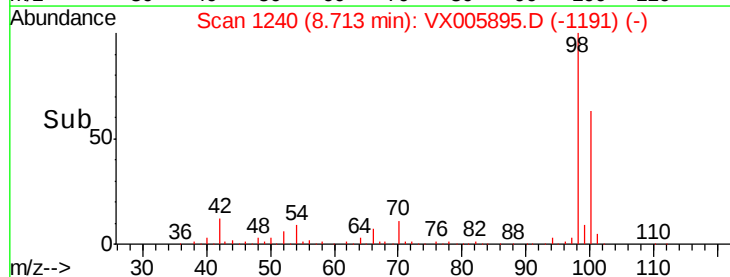
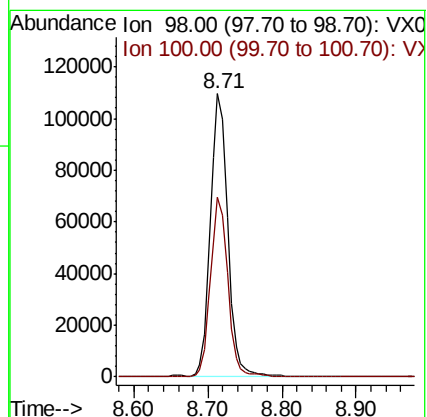
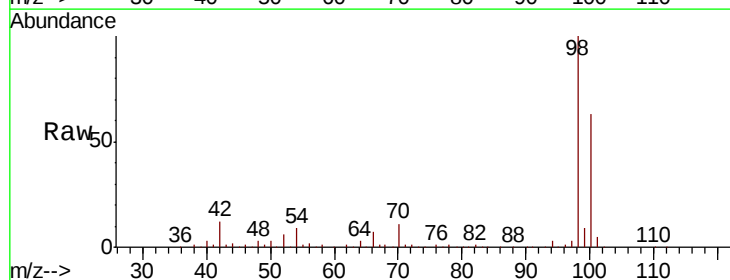
Acq: 12 Nov 2018 12:55

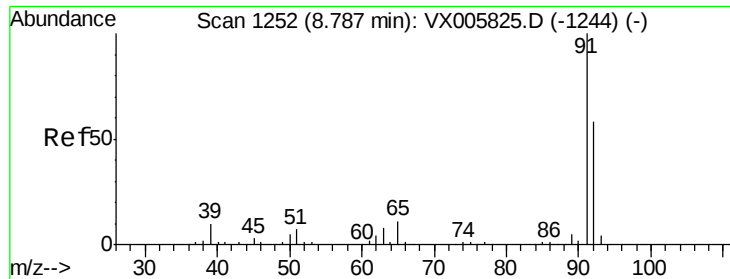
Tgt Ion: 98 Resp: 176086

Ion Ratio Lower Upper

98 100

100 63.6 51.3 76.9





#52

Toluene

Concen: 4.027 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampled :

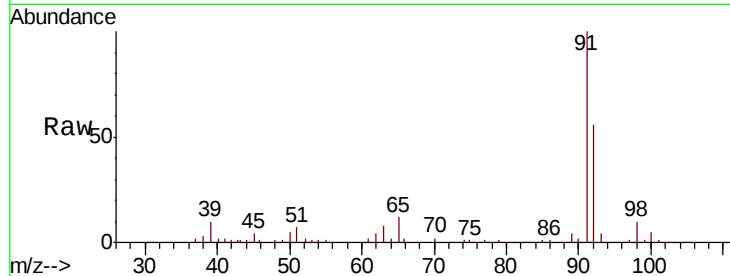
WALL-B

Tot Ion: 92 Resp: 8703

Ion Ratio Lower Upper

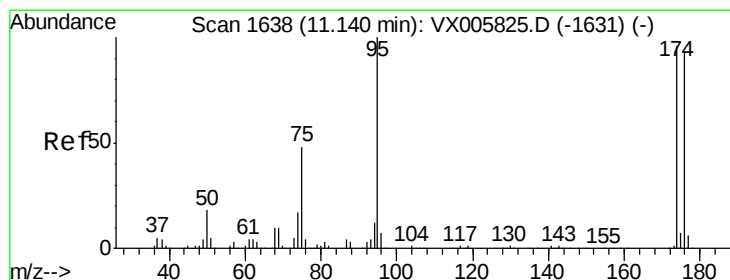
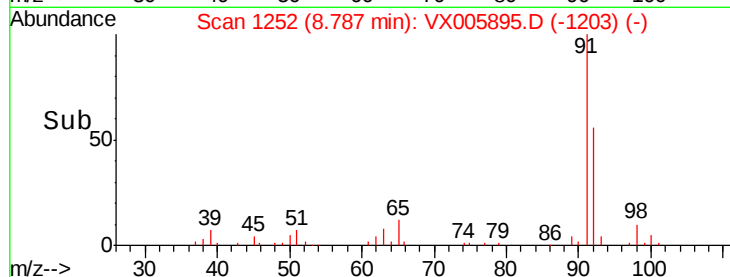
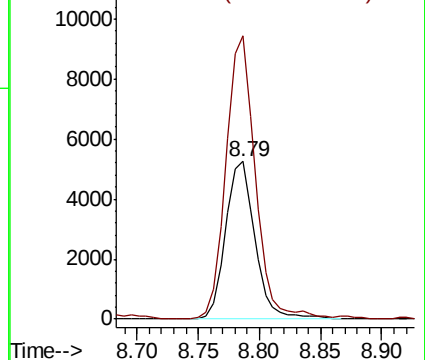
92 100

91 181.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 61.366 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

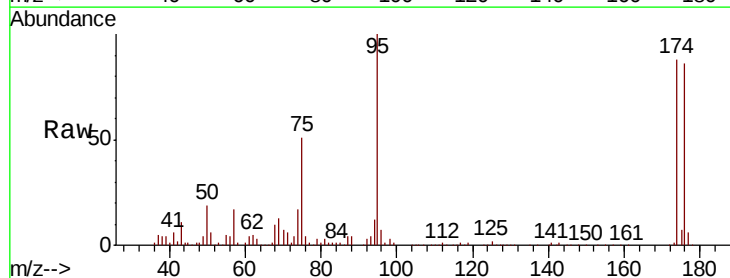
Tgt Ion: 95 Resp: 68642

Ion Ratio Lower Upper

95 100

174 90.5 0.0 184.4

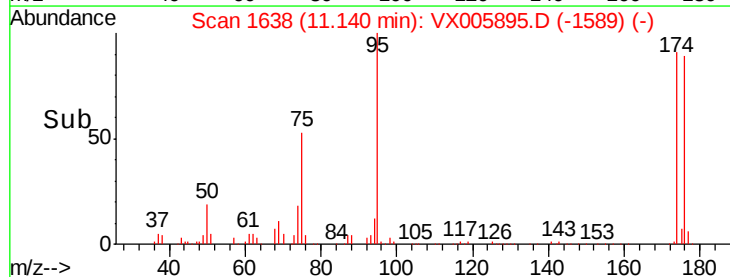
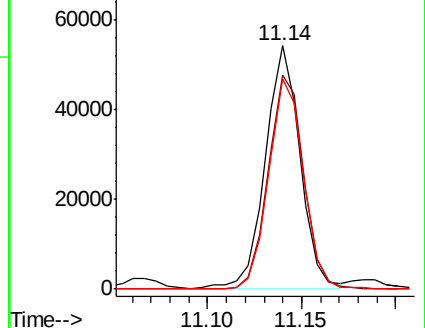
176 87.4 0.0 177.4

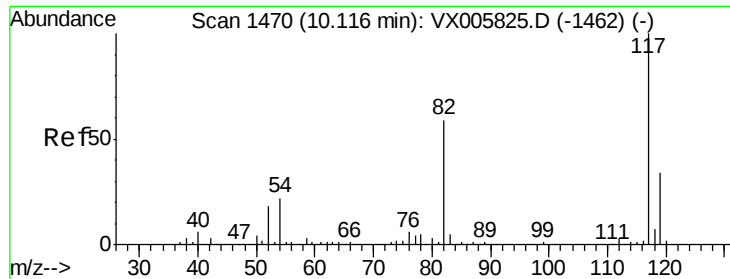


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

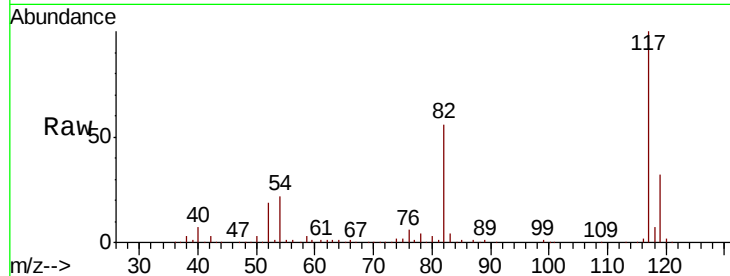




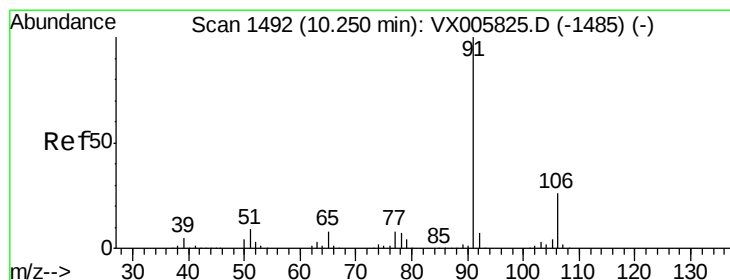
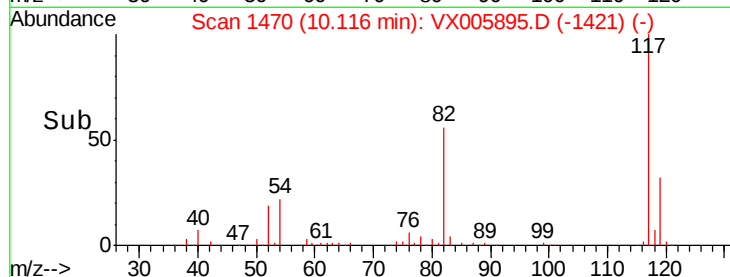
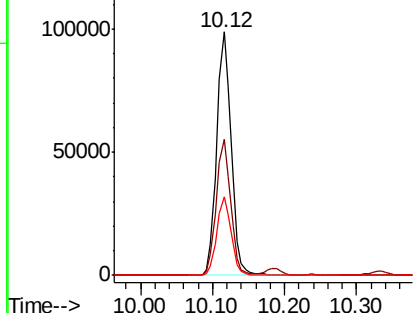
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

Instrument :
MSVOA_X
ClientSampled :
WALL-B

Tot Ion:117 Resp: 137065
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 32.3 26.2 39.2

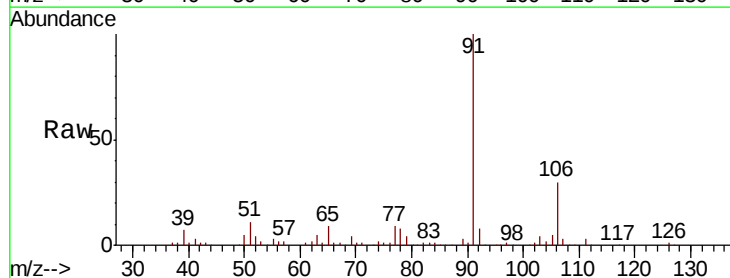


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

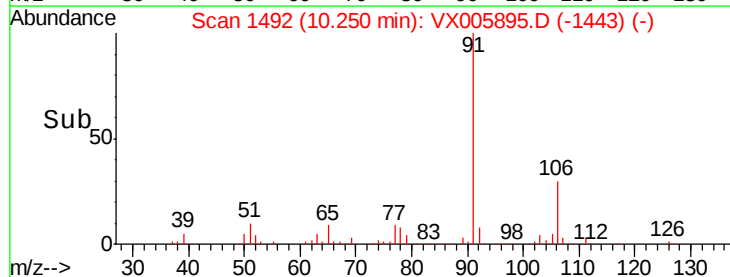
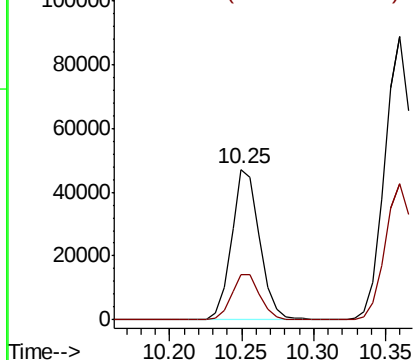


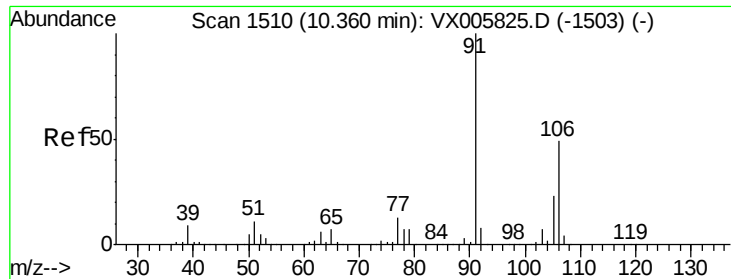
#67
Ethyl Benzene
Concen: 14.662 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

Tgt Ion: 91 Resp: 64557
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6



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

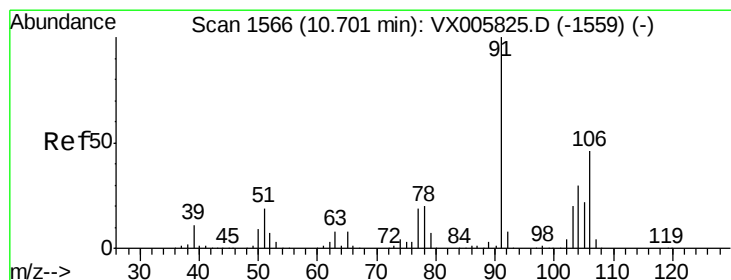
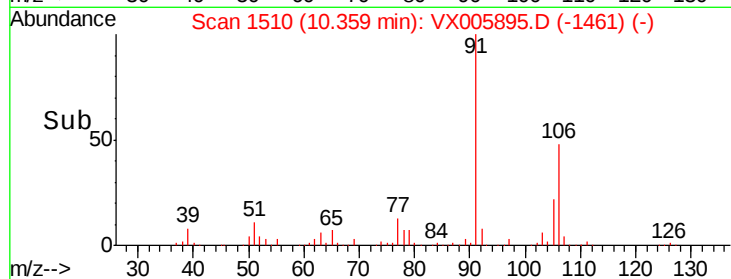
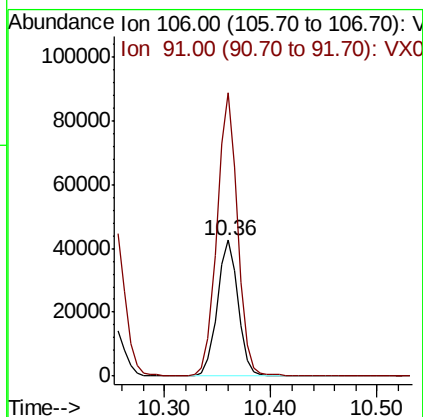
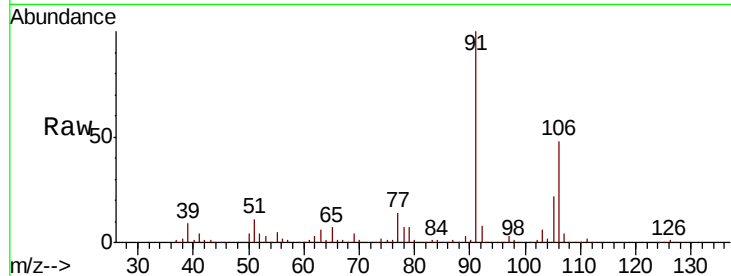




#68
m/p-Xylenes
Concen: 34.431 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

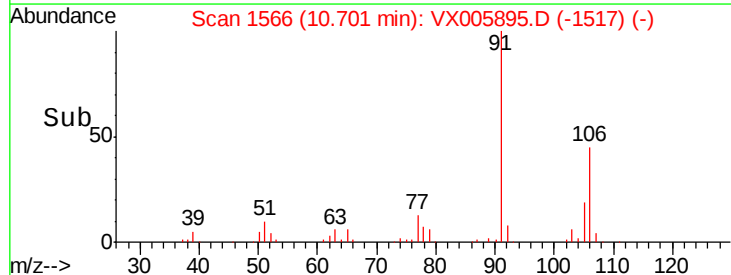
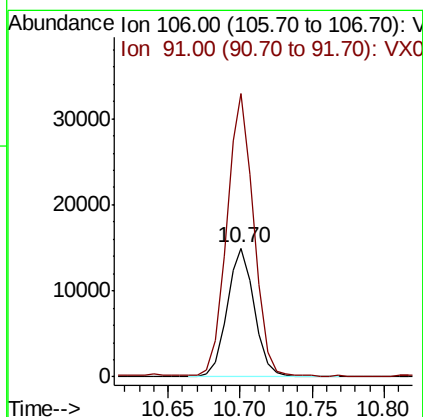
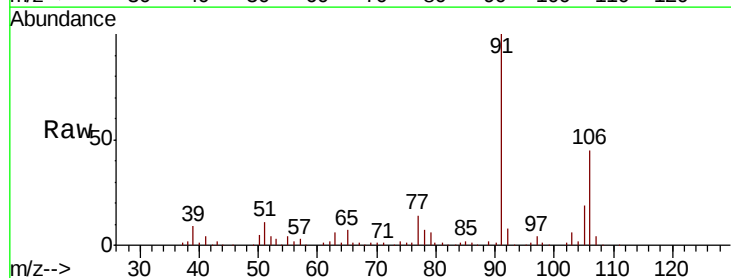
Instrument :
MSVOA_X
ClientSampled :
WALL-B

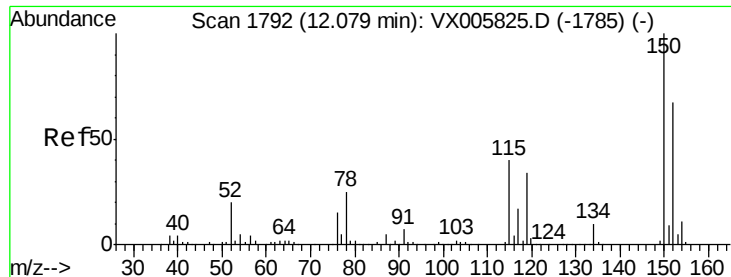
Tot Ion:106 Resp: 57826
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.4



#69
o-Xylene
Concen: 13.151 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

Tgt Ion:106 Resp: 19806
Ion Ratio Lower Upper
106 100
91 215.8 108.5 325.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

WALL-B

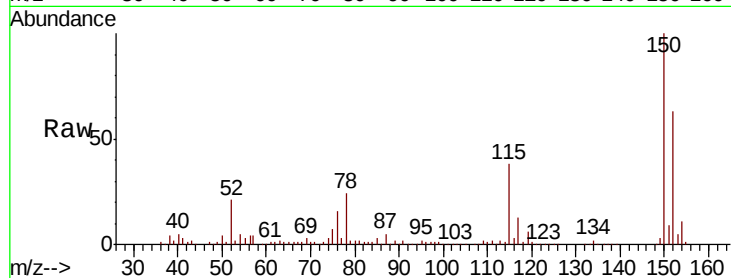
Tot Ion:152 Resp: 74386

Ion Ratio Lower Upper

152 100

115 60.3 39.4 118.1

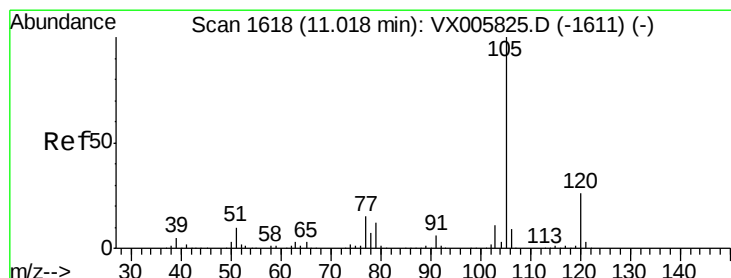
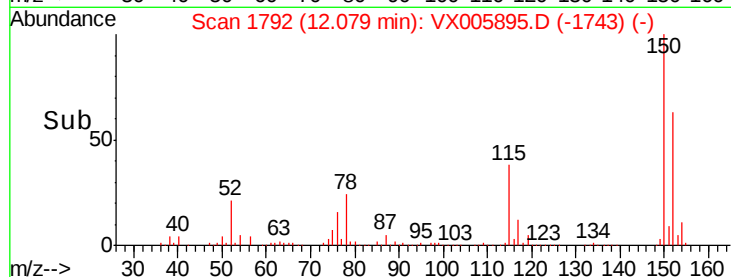
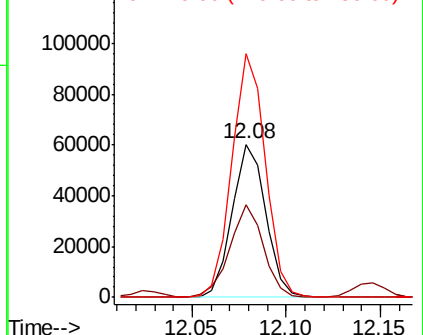
150 159.0 0.0 346.4



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: 5.572 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005895.D

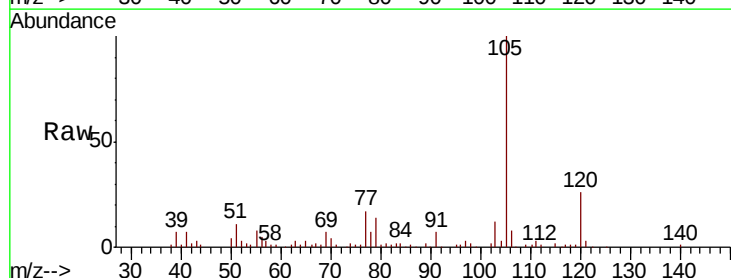
Acq: 12 Nov 2018 12:55

Tgt Ion:105 Resp: 23969

Ion Ratio Lower Upper

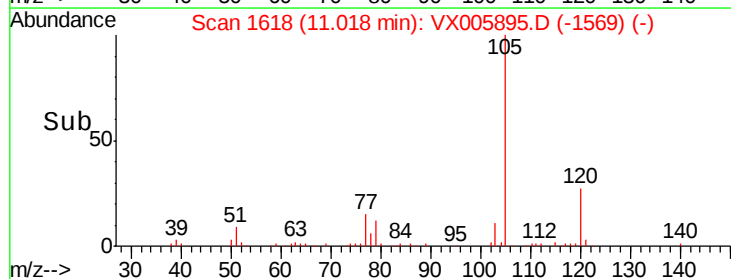
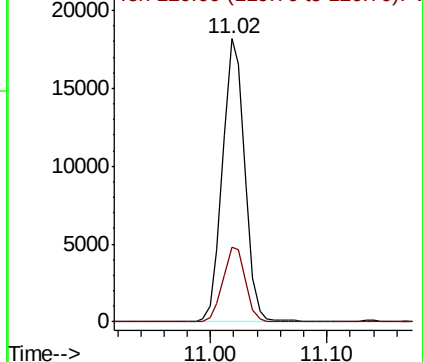
105 100

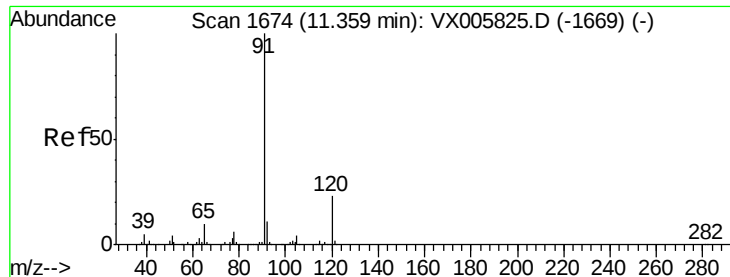
120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.249 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampled :

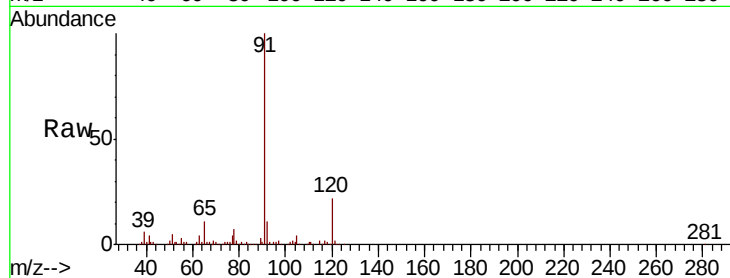
WALL-B

Tot Ion: 91 Resp: 62097

Ion Ratio Lower Upper

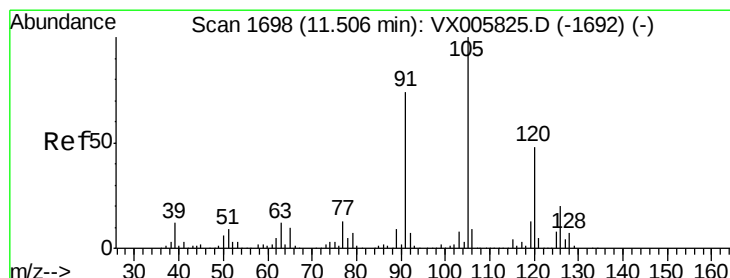
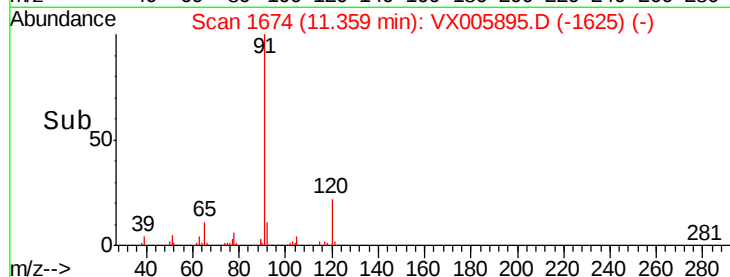
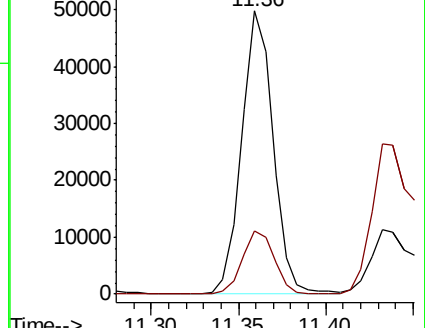
91 100

120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 29.164 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005895.D

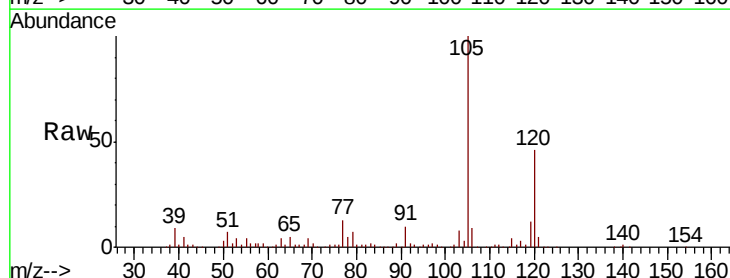
Acq: 12 Nov 2018 12:55

Tgt Ion: 105 Resp: 106611

Ion Ratio Lower Upper

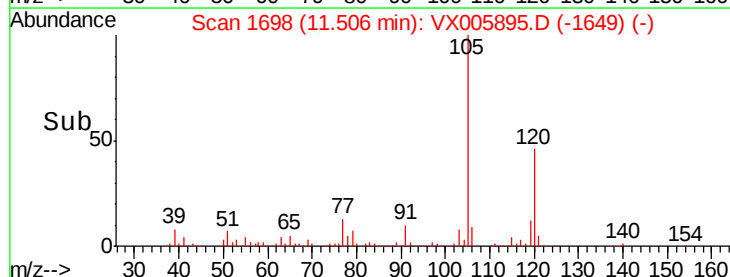
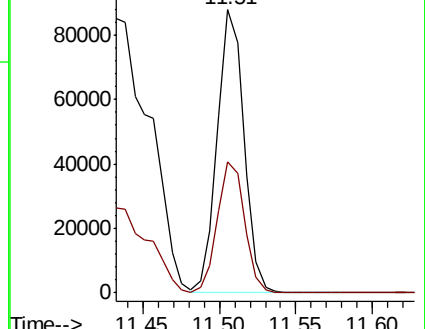
105 100

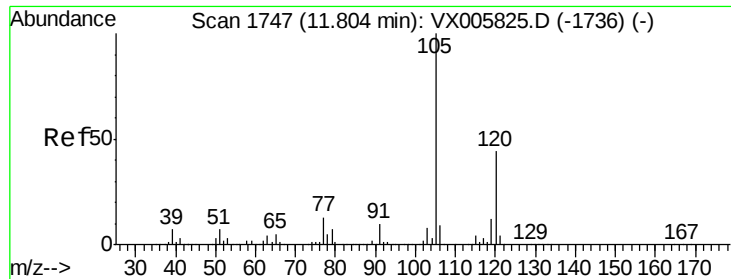
120 47.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





#84

1,2,4-Trimethylbenzene

Concen: 85.217 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX005895.D

Acq: 12 Nov 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

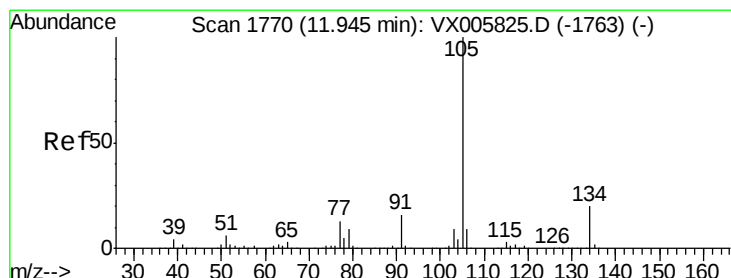
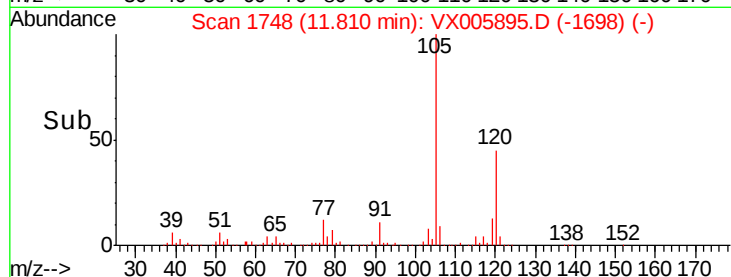
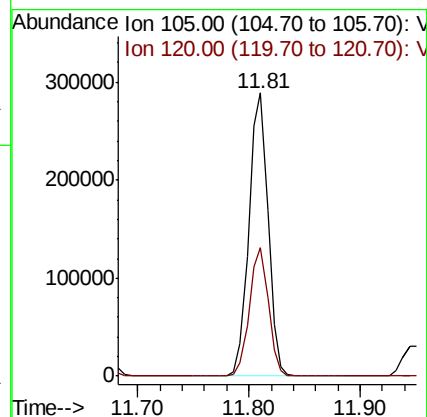
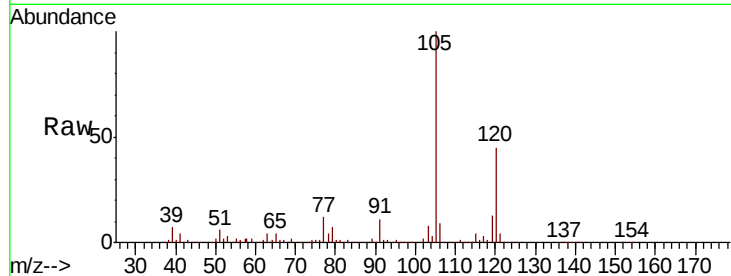
WALL-B

Tot Ion:105 Resp: 343442

Ion Ratio Lower Upper

105 100

120 45.2 22.4 67.0



#85

sec-Butylbenzene

Concen: 8.688 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005895.D

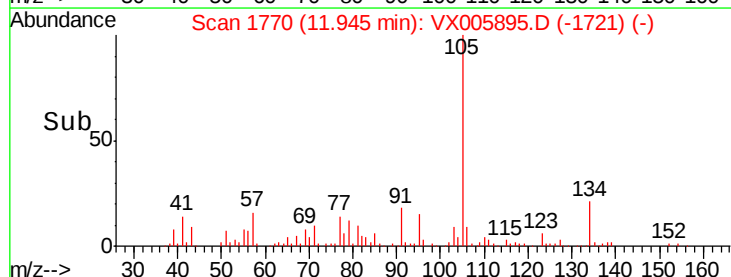
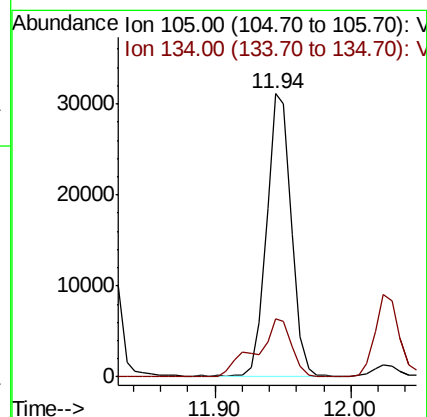
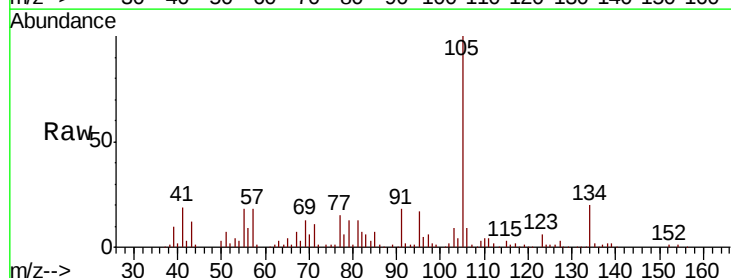
Acq: 12 Nov 2018 12:55

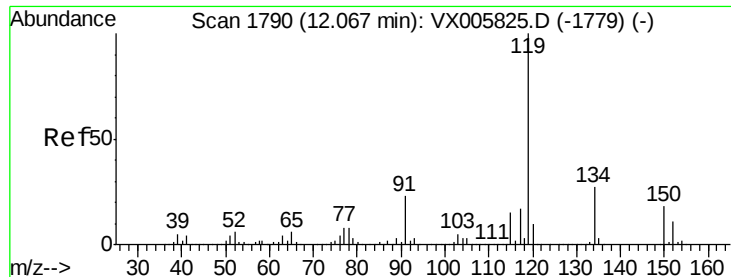
Tgt Ion:105 Resp: 39290

Ion Ratio Lower Upper

105 100

134 29.0 10.2 30.4

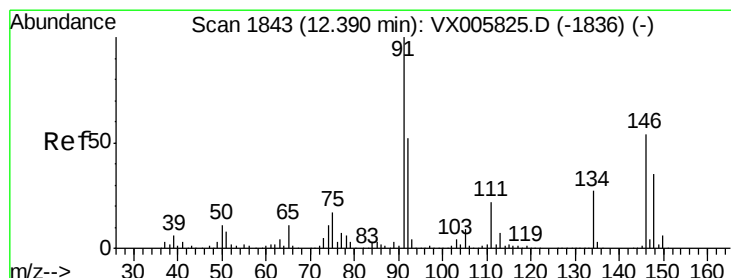
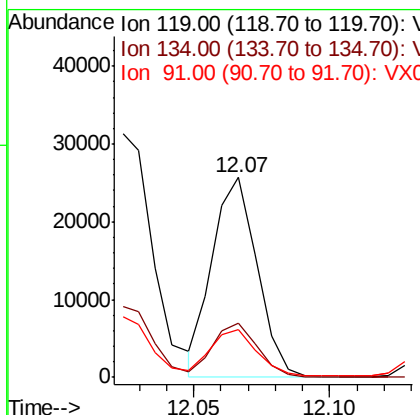
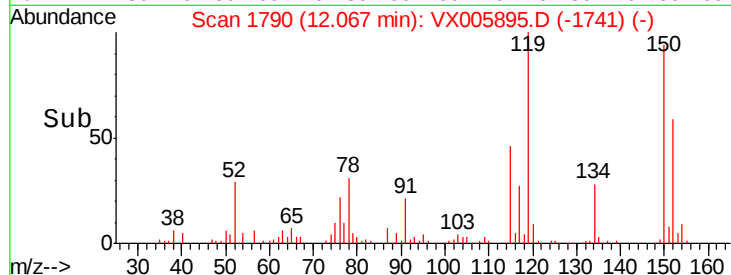
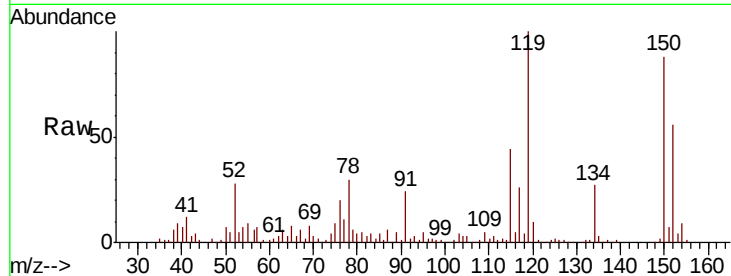




#86
p-Isopropyltoluene
Concen: 7.367 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

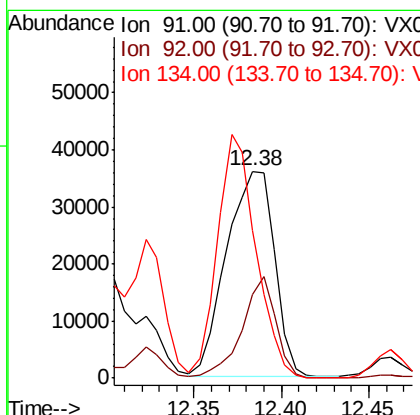
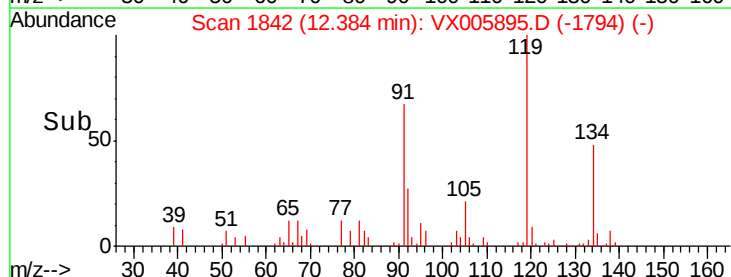
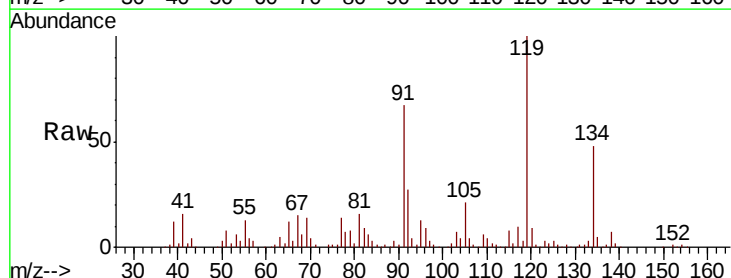
Instrument :
MSVOA_X
ClientSampleId :
WALL-B

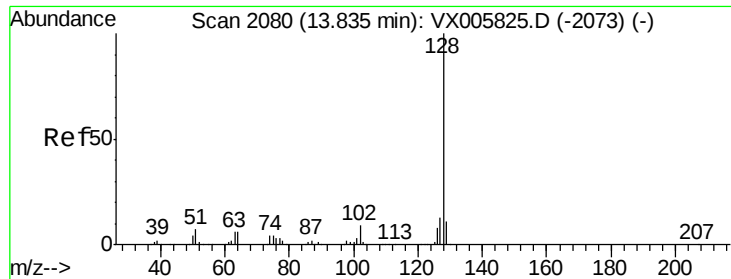
Tot Ion: 119 Resp: 29510
Ion Ratio Lower Upper
119 100
134 26.9 13.0 39.0
91 24.1 11.4 34.2



#89
n-Butylbenzene
Concen: 18.547 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX005895.D
Acq: 12 Nov 2018 12:55

Tgt Ion: 91 Resp: 68857
Ion Ratio Lower Upper
91 100
92 34.4 26.1 78.2
134 94.5 13.1 39.3#





#95
 Naphthalene
 Concen: 100.796 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX005895.D
 Acq: 12 Nov 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.2	8.7	13.1

