

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006119.D
 Acq On : 21 Nov 2018 13:00
 Operator : JC/MD
 Sample : J5967-01DL 5X
 Misc : 5.09g/10ml/100ul/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)DL

Quant Time: Nov 22 02:52:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	340591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	510123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	484939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289439	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	198797	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	5.50	113	153351	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	636118	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.14	95	263298	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	

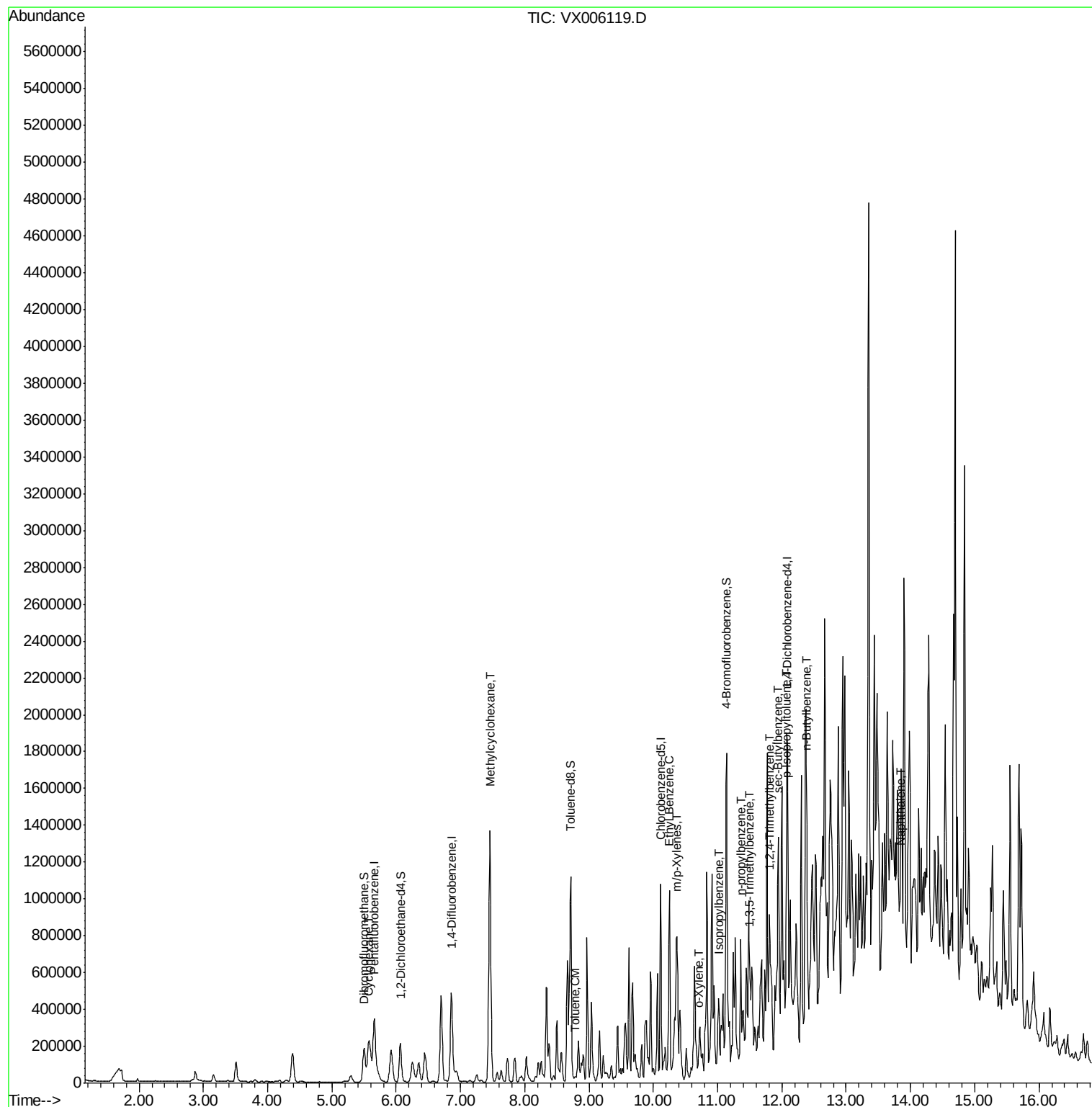
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	154276	29.106	ug/l	98
39) Methylcyclohexane	7.46	83	587587	111.136	ug/l	98
52) Toluene	8.79	92	6302	0.745	ug/l	93
67) Ethyl Benzene	10.25	91	538231	33.047	ug/l	98
68) m/p-Xylenes	10.36	106	123721	19.508	ug/l	97
69) o-Xylene	10.70	106	4310	0.711	ug/l	85
73) Isopropylbenzene	11.02	105	166620	9.514	ug/l	100
78) n-propylbenzene	11.36	91	387525	19.001	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	98234	6.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	186021	12.351	ug/l	99
85) sec-Butylbenzene	11.94	105	225633	12.797	ug/l	78
86) p-Isopropyltoluene	12.07	119	54146	3.444	ug/l	96
89) n-Butylbenzene	12.39	91	328112	23.053	ug/l #	80
95) Naphthalene	13.83	128	197969	10.334	ug/l #	91

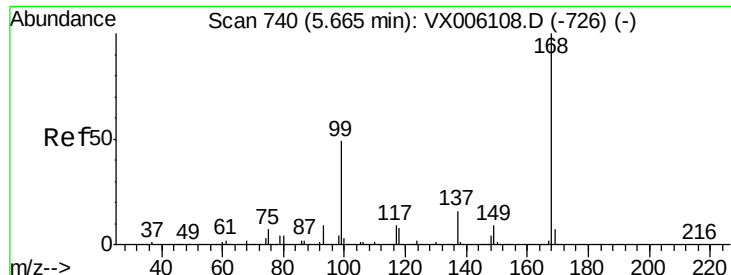
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 02:52:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

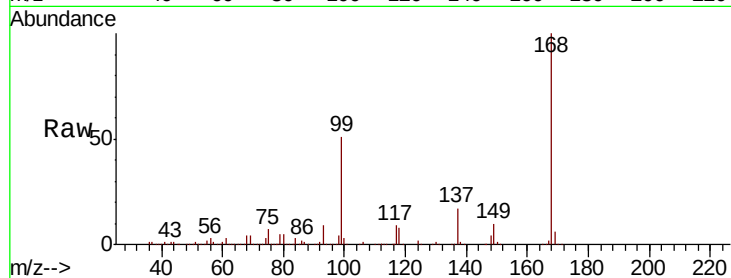
FDSB-03(10-12)DL

Tot Ion:168 Resp: 340591

Ion Ratio Lower Upper

168 100

99 51.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

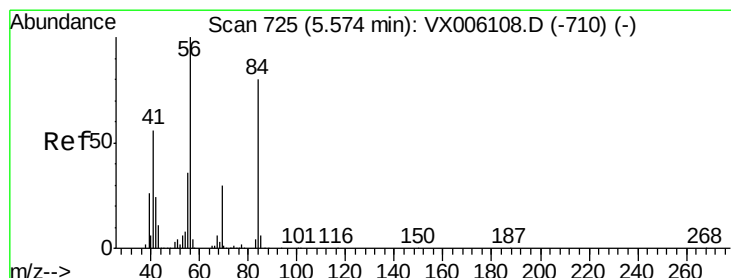
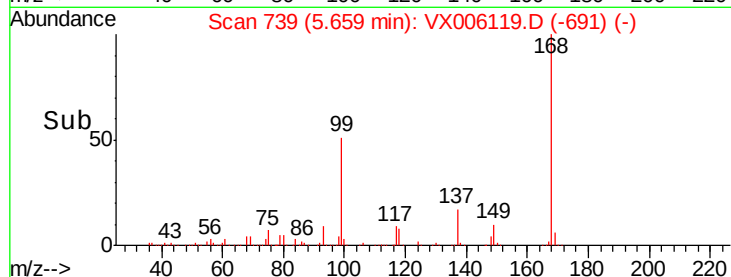
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 29.106 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

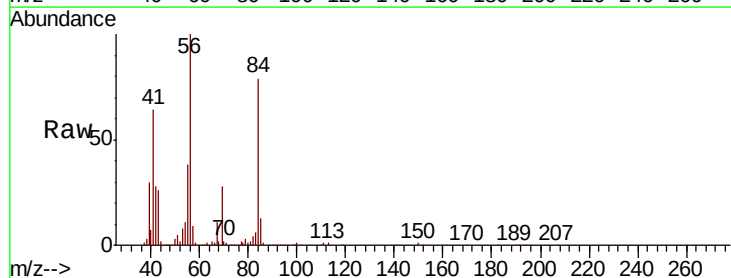
Tgt Ion: 56 Resp: 154276

Ion Ratio Lower Upper

56 100

69 27.1 23.9 35.9

84 78.9 63.6 95.4



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

5.57

60000

50000

40000

30000

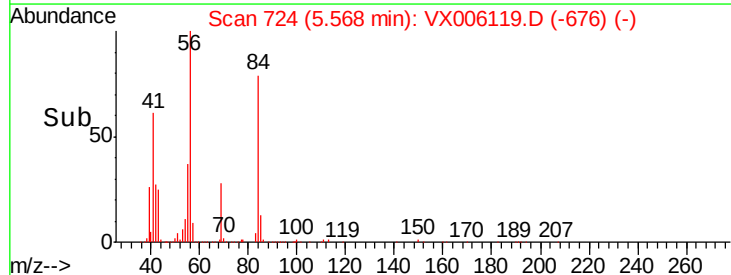
20000

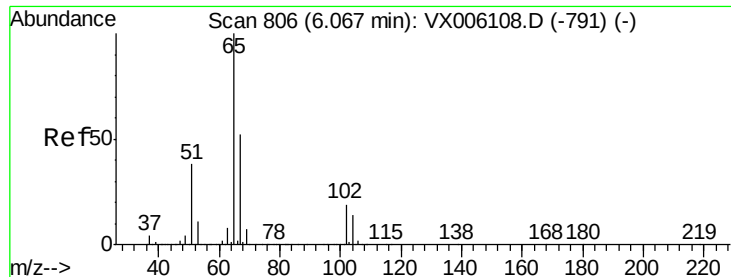
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0

Time-->

5.50 5.60 5.70

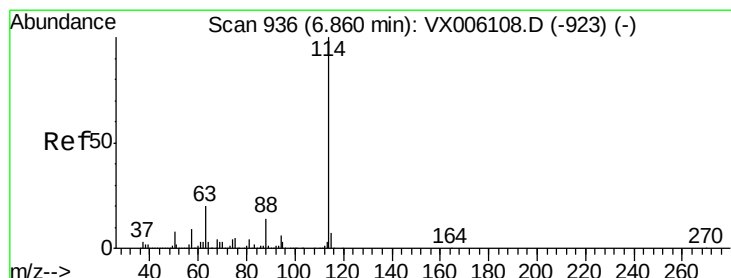
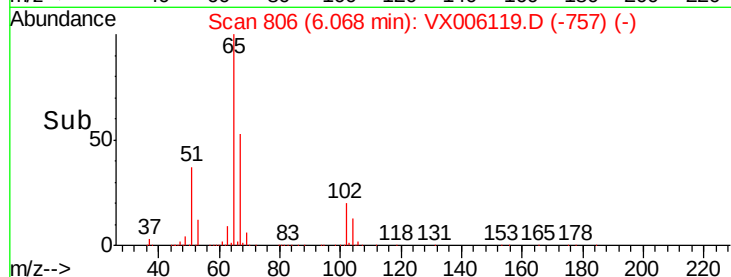
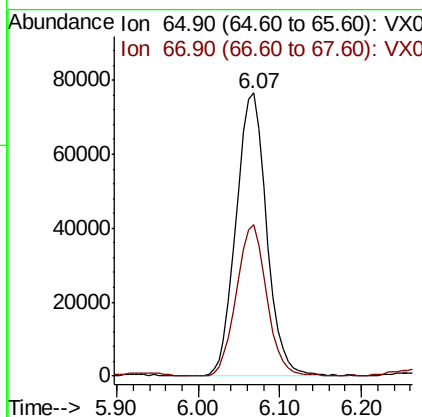
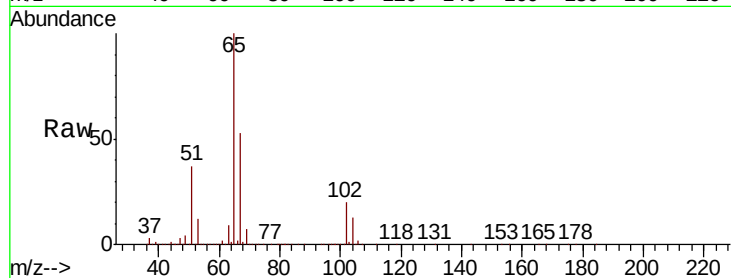




#33
 1,2-Dichloroethane-d4
 Concen: 50.372 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006119.D
 Acq: 21 Nov 2018 13:00

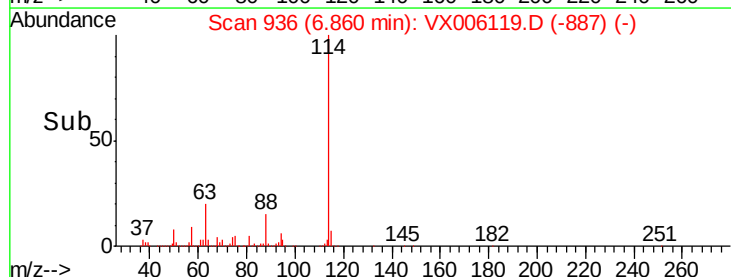
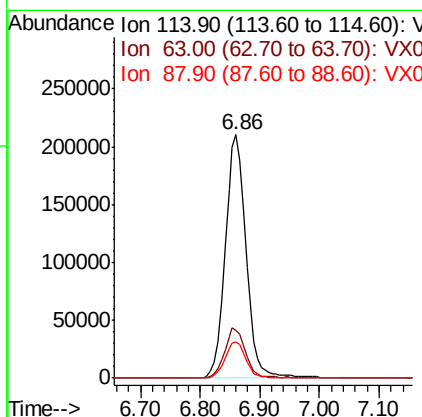
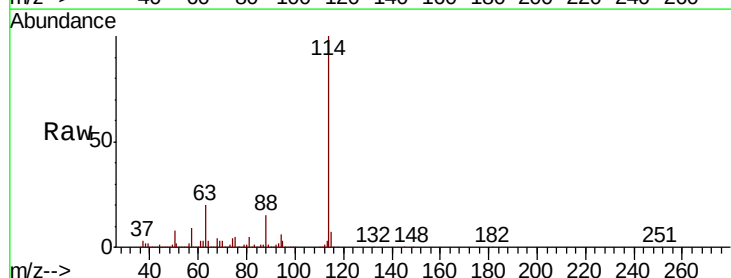
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)DL

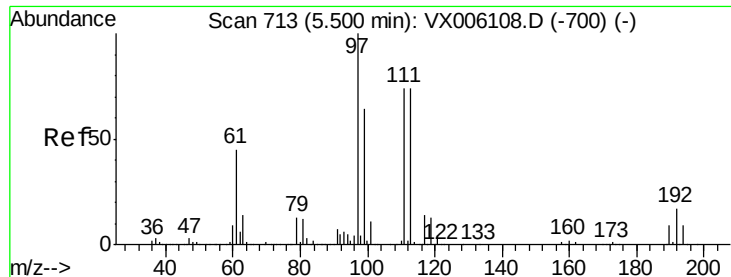
Tot Ion: 65 Resp: 198797
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006119.D
 Acq: 21 Nov 2018 13:00

Tgt Ion: 114 Resp: 510123
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 14.9 0.0 28.6





#35

Dibromofluoromethane

Concen: 46.831 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

FDSB-03(10-12)DL

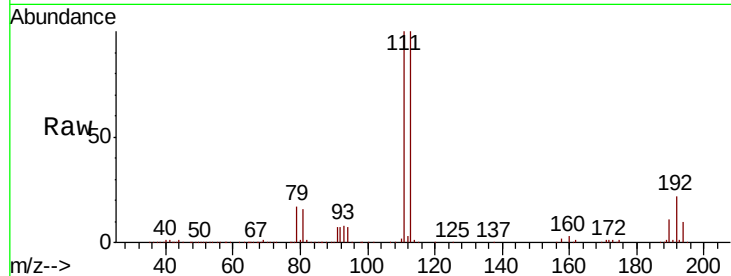
Tot Ion:113 Resp: 153351

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

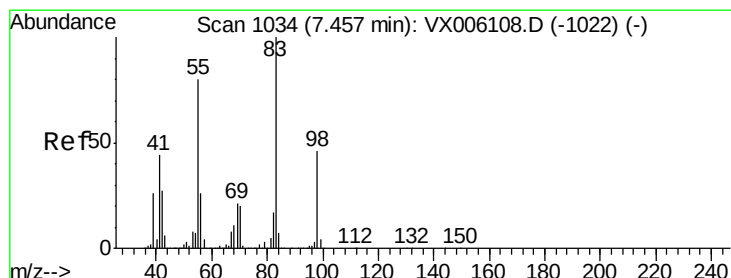
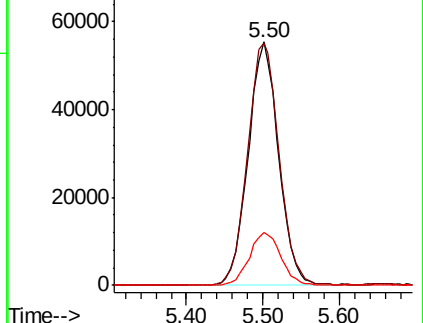
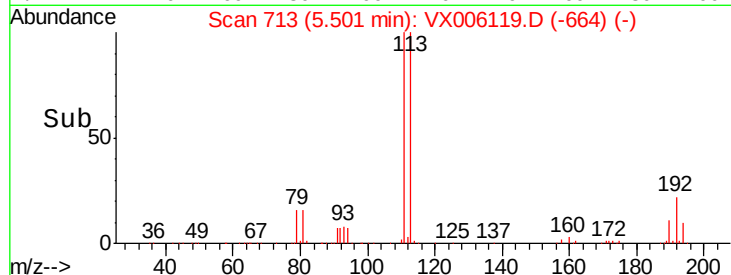
192 22.7 18.6 28.0



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: 111.136 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

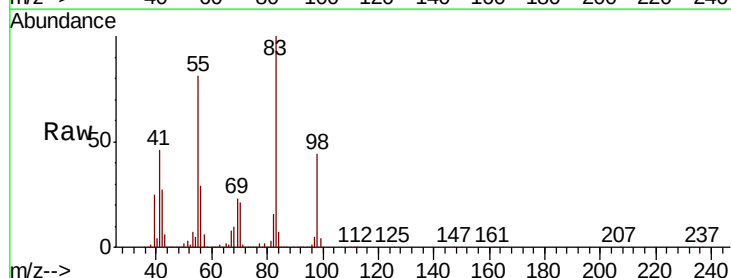
Tgt Ion: 83 Resp: 587587

Ion Ratio Lower Upper

83 100

55 81.3 63.9 95.9

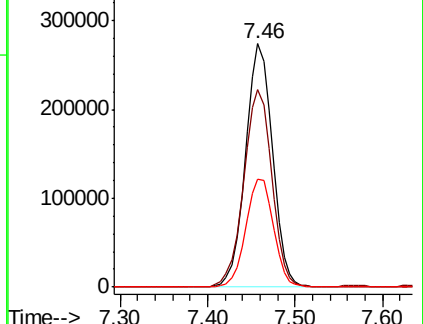
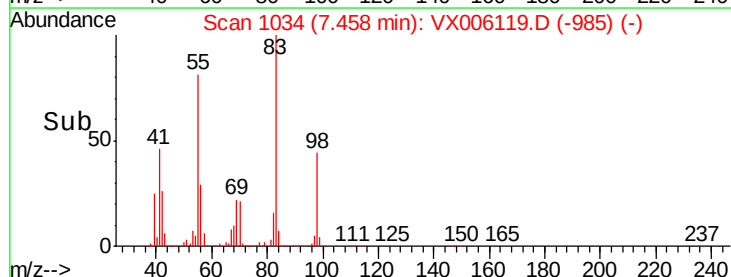
98 44.3 36.8 55.2

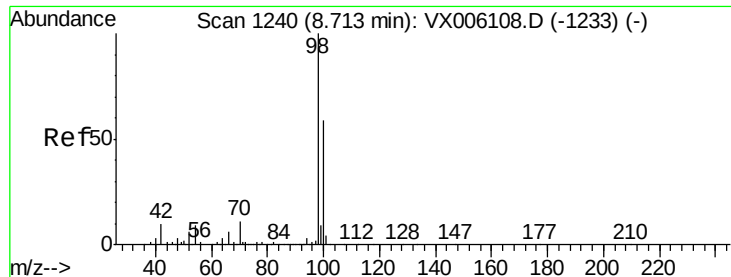


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.931 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

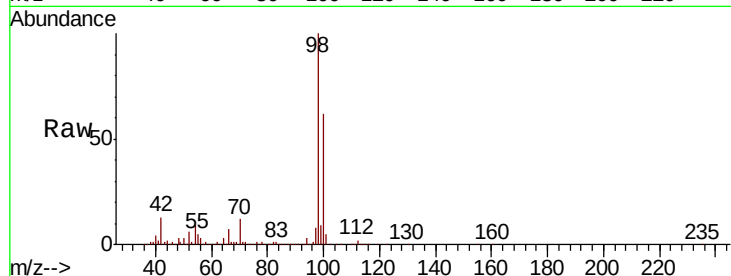
FDSB-03(10-12)DL

Tot Ion: 98 Resp: 636118

Ion Ratio Lower Upper

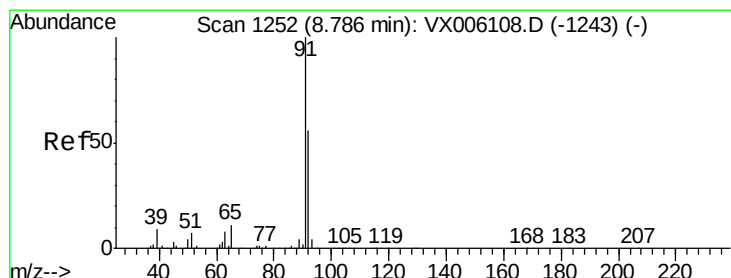
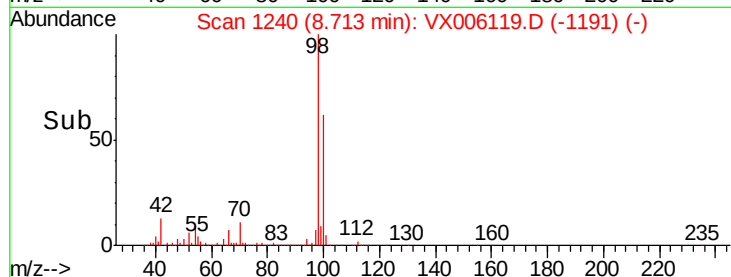
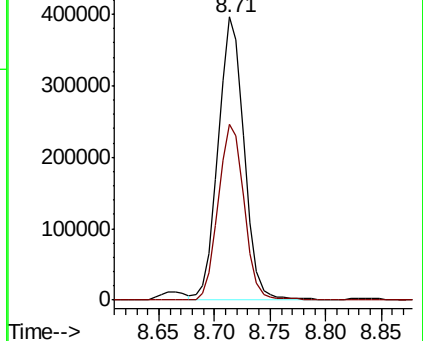
98 100

100 62.8 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.745 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006119.D

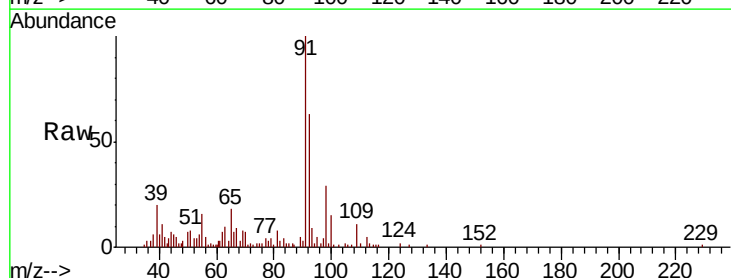
Acq: 21 Nov 2018 13:00

Tgt Ion: 92 Resp: 6302

Ion Ratio Lower Upper

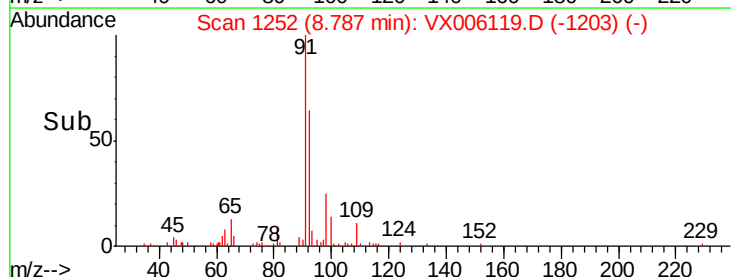
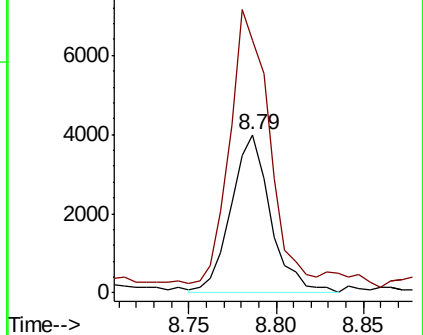
92 100

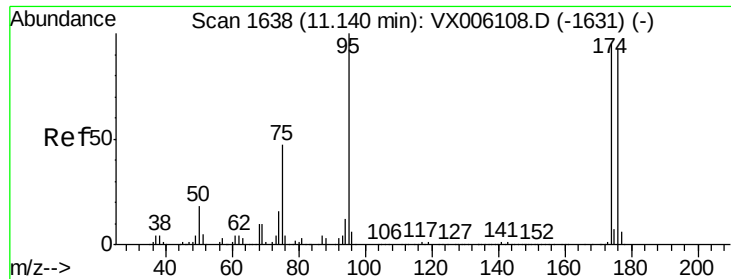
91 168.6 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 56.186 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

FDSB-03(10-12)DL

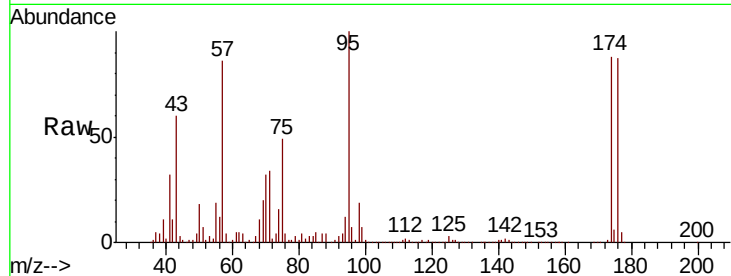
Tot Ion: 95 Resp: 263298

Ion Ratio Lower Upper

95 100

174 87.6 0.0 184.4

176 85.2 0.0 179.0

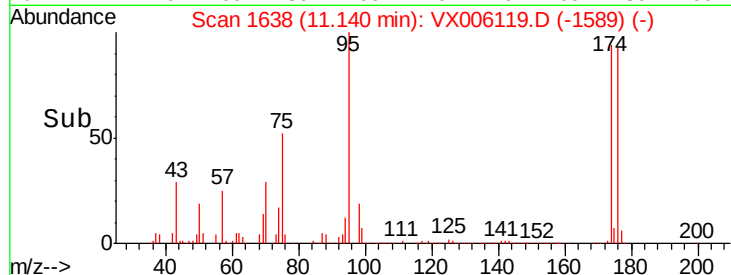


Abundance Ion 94.90 (94.60 to 95.60): VX006119.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006119.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006119.D (-1589) (-)

Time-->

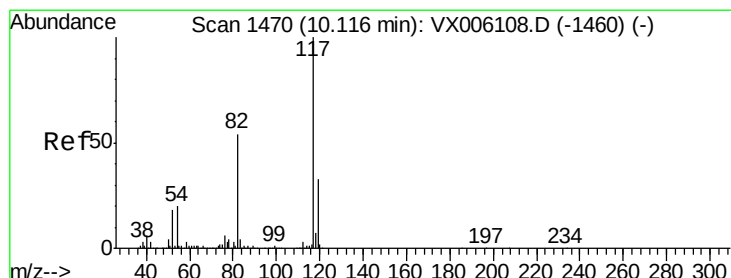


Abundance Ion 94.90 (94.60 to 95.60): VX006119.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006119.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006119.D (-1589) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

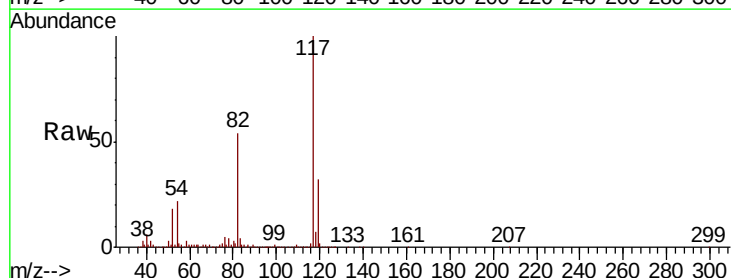
Tgt Ion: 117 Resp: 484939

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 32.1 26.1 39.1

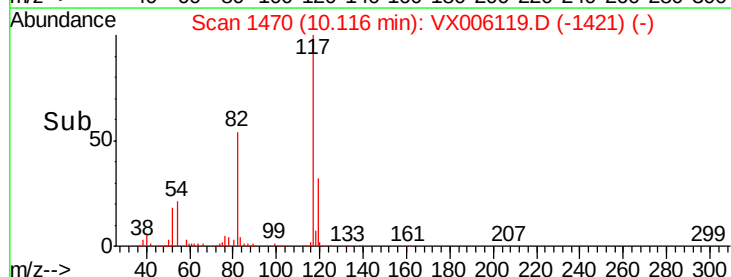


Abundance Ion 116.90 (116.60 to 117.60): VX006119.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006119.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006119.D (-1421) (-)

Time-->

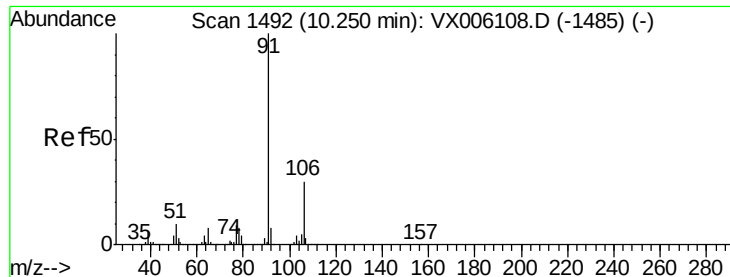


Abundance Ion 116.90 (116.60 to 117.60): VX006119.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006119.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006119.D (-1421) (-)

Time-->



#67

Ethyl Benzene

Concen: 33.047 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

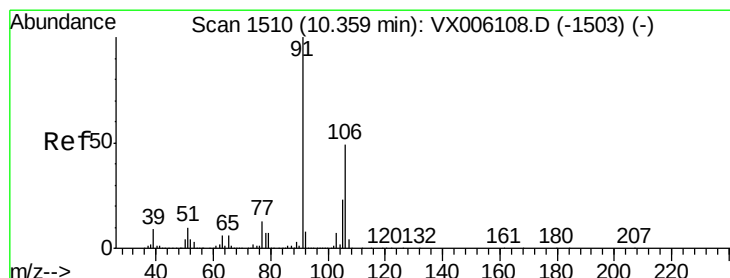
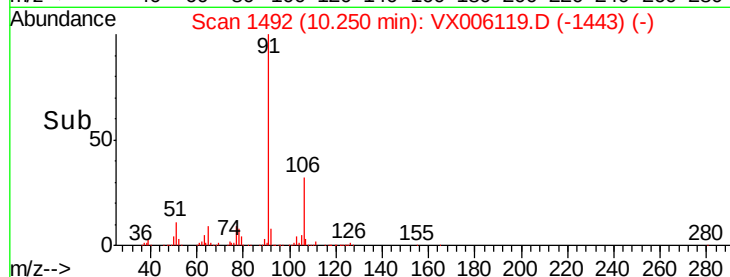
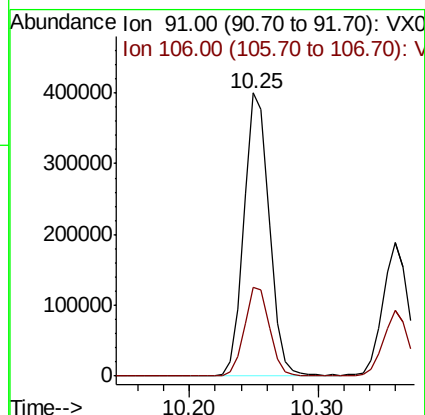
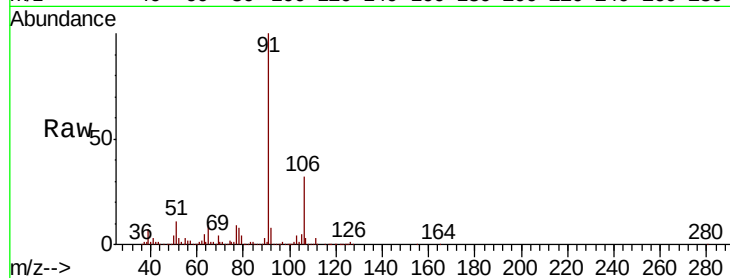
FDSB-03(10-12)DL

Tot Ion: 91 Resp: 538231

Ion Ratio Lower Upper

91 100

106 31.6 24.4 36.6



#68

m/p-Xylenes

Concen: 19.508 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006119.D

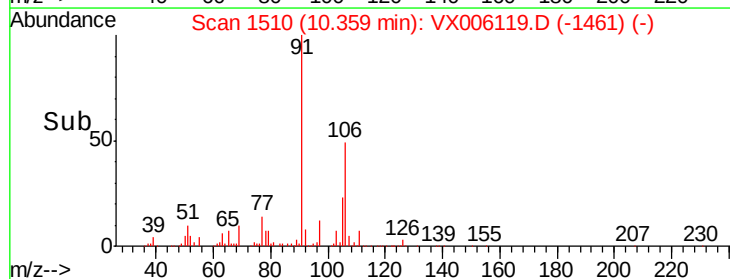
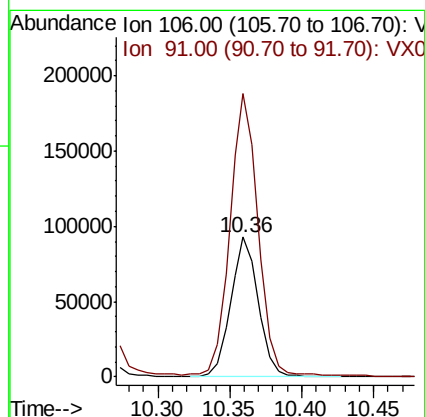
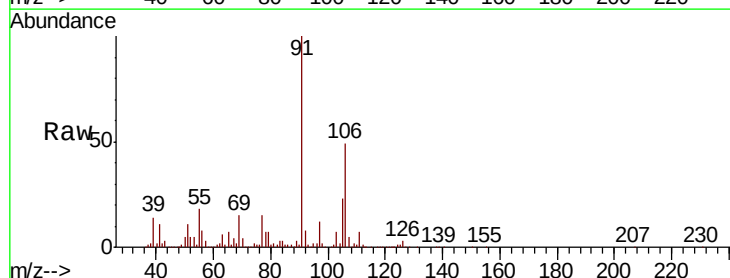
Acq: 21 Nov 2018 13:00

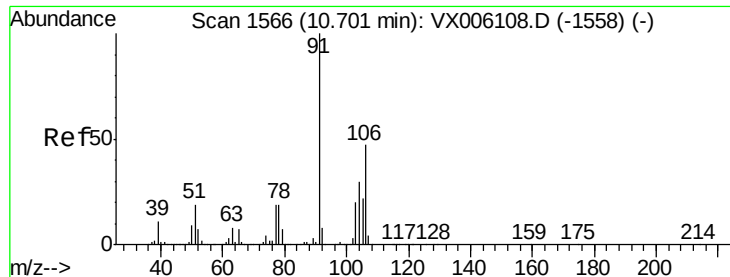
Tgt Ion: 106 Resp: 123721

Ion Ratio Lower Upper

106 100

91 207.6 162.0 243.0

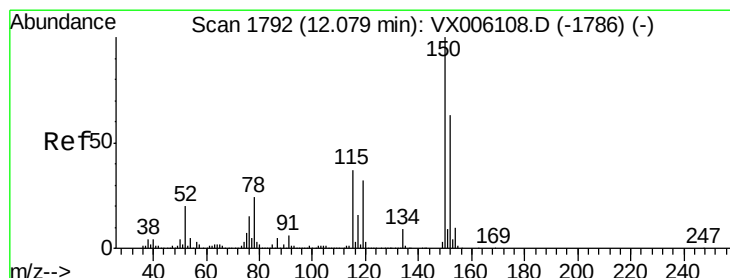
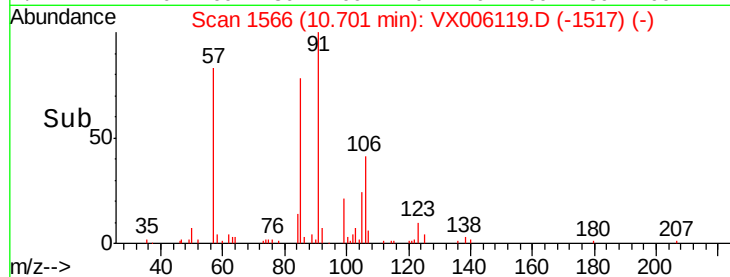
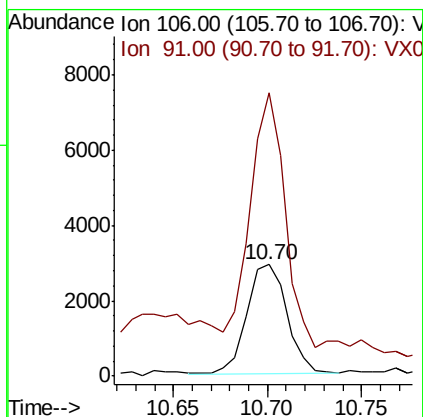
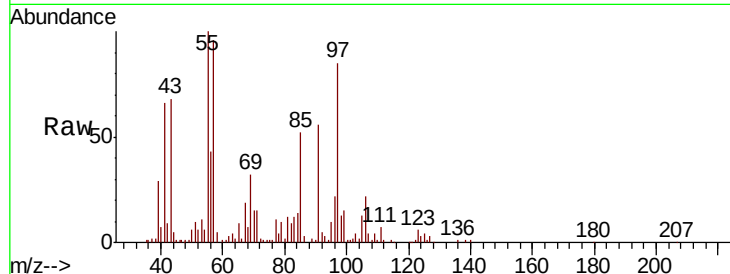




#69
o-Xylene
Concen: 0.711 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006119.D
Acq: 21 Nov 2018 13:00

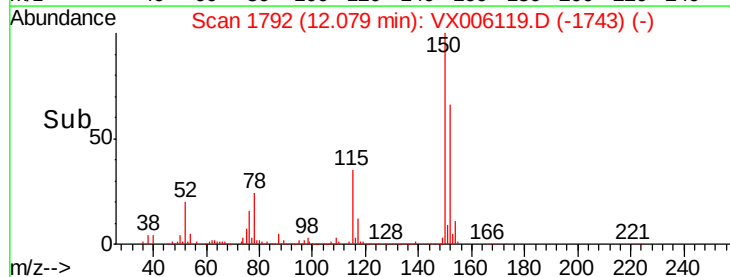
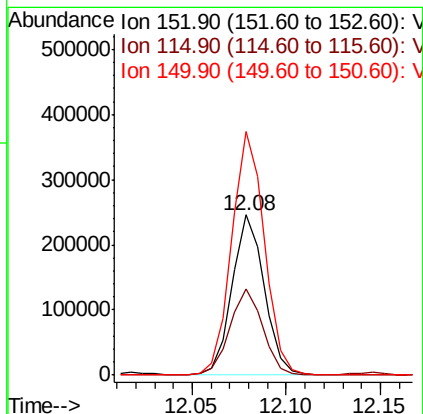
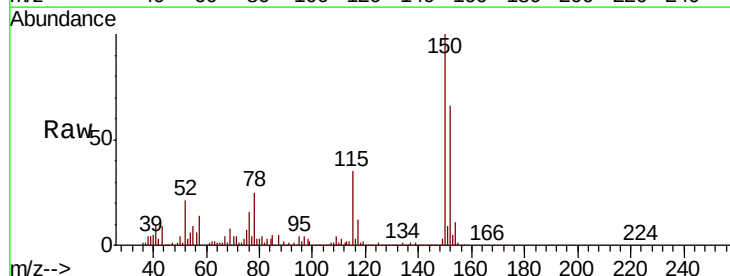
Instrument :
MSVOA_X
ClientSampled :
FDSB-03(10-12)DL

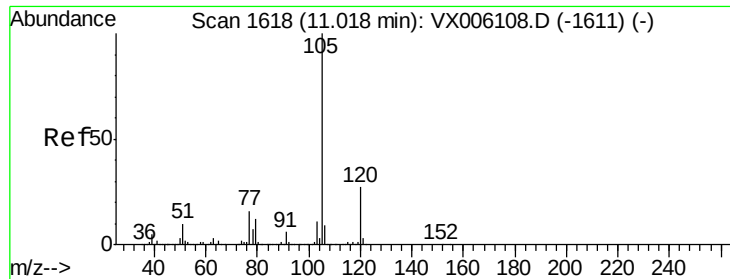
Tot Ion:106 Resp: 4310
Ion Ratio Lower Upper
106 100
91 191.0 107.4 322.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006119.D
Acq: 21 Nov 2018 13:00

Tgt Ion:152 Resp: 289439
Ion Ratio Lower Upper
152 100
115 54.9 39.0 116.9
150 154.9 0.0 346.6





#73

Isopropylbenzene

Concen: 9.514 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

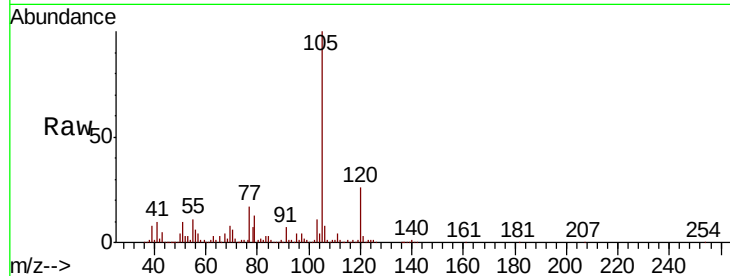
FDSB-03(10-12)DL

Tot Ion:105 Resp: 166620

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

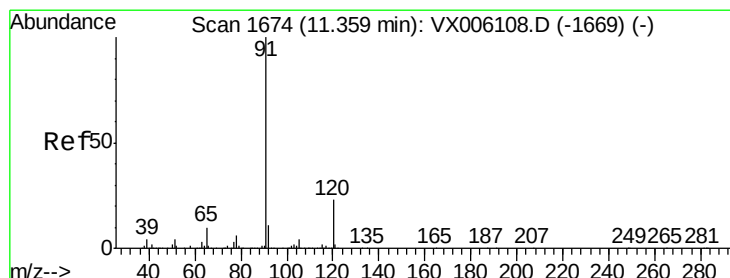
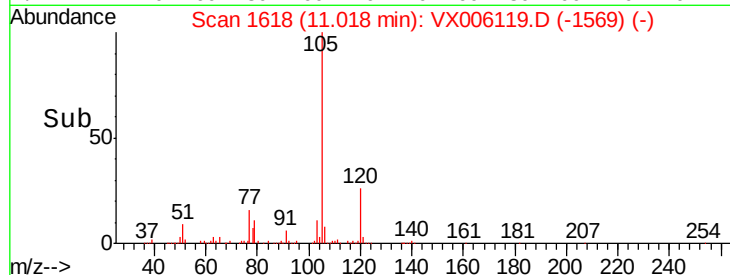
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#78

n-propylbenzene

Concen: 19.001 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006119.D

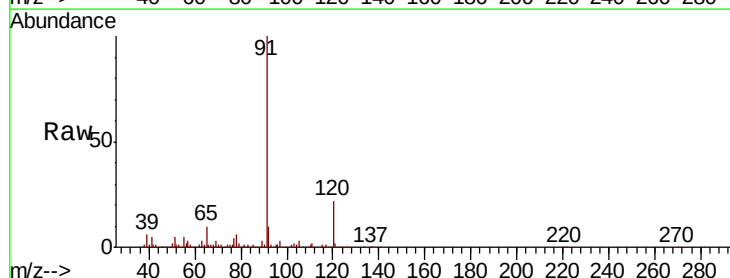
Acq: 21 Nov 2018 13:00

Tgt Ion: 91 Resp: 387525

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

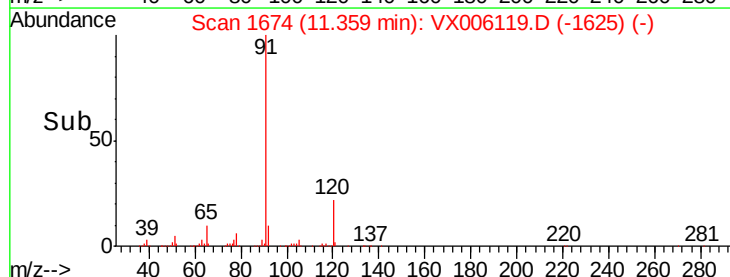
300000

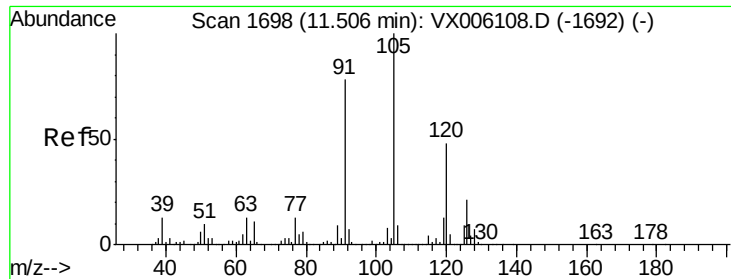
200000

100000

0

Time--> 11.30 11.40

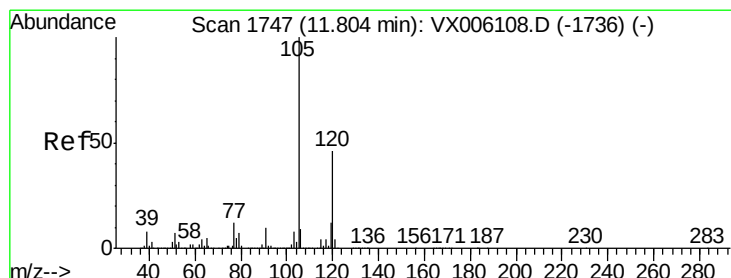
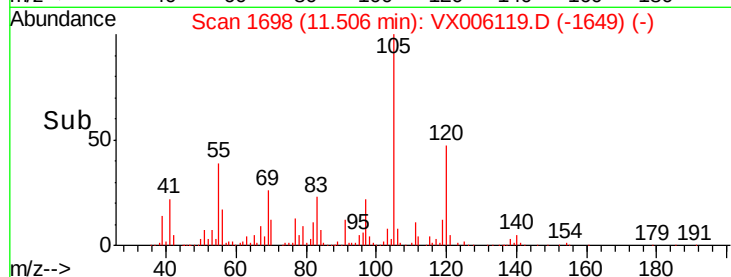
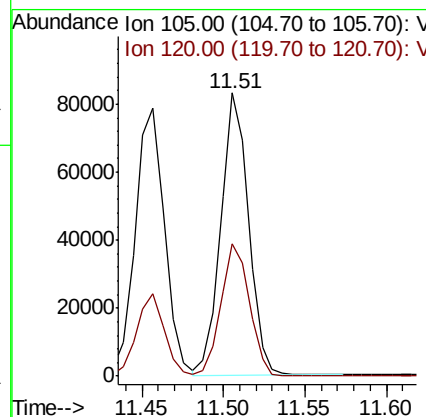
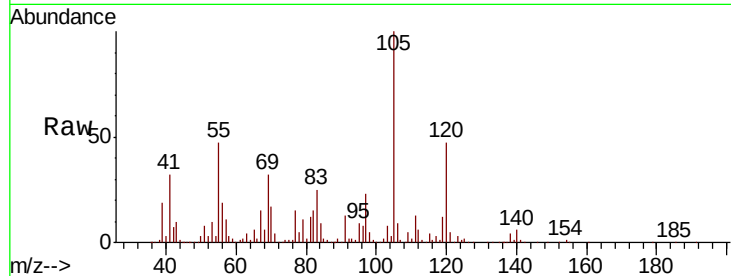




#80
 1,3,5-Trimethylbenzene
 Concen: 6.653 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006119.D
 Acq: 21 Nov 2018 13:00

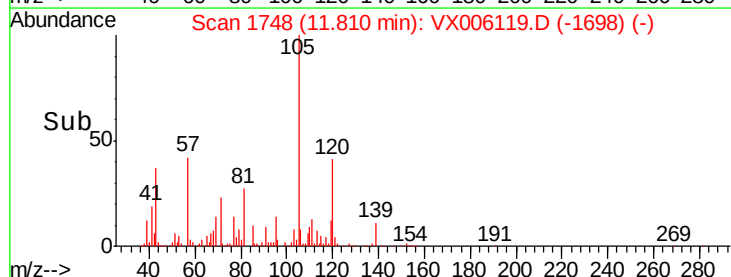
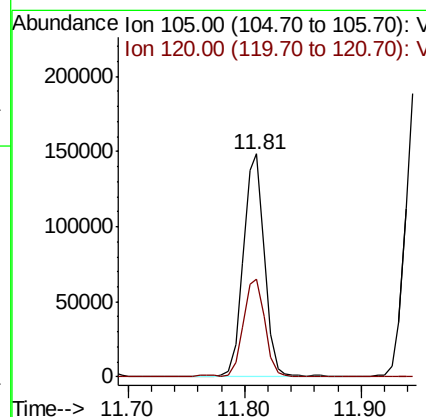
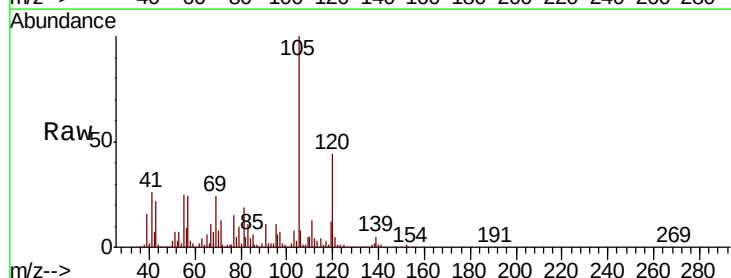
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)DL

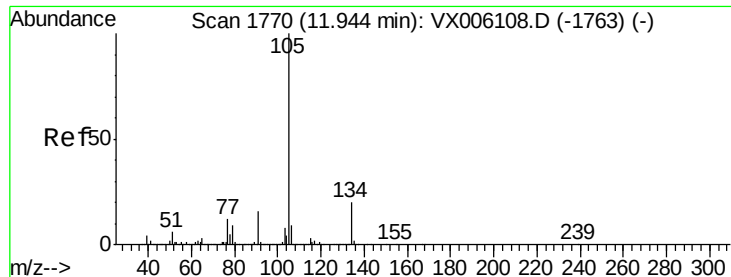
Tot Ion:105 Resp: 98234
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 73.0



#84
 1,2,4-Trimethylbenzene
 Concen: 12.351 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006119.D
 Acq: 21 Nov 2018 13:00

Tgt Ion:105 Resp: 186021
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.7 68.0





#85

sec-Butylbenzene

Concen: 12.797 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

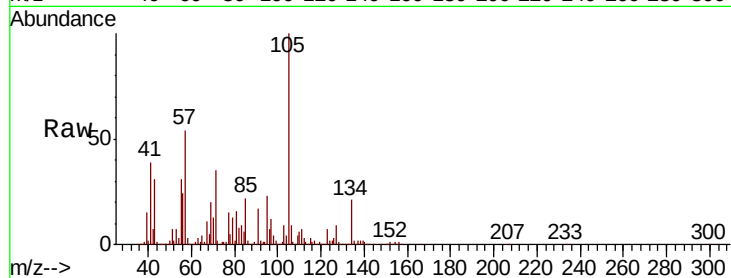
FDSB-03(10-12)DL

Tot Ion:105 Resp: 225633

Ion Ratio Lower Upper

105 100

134 31.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

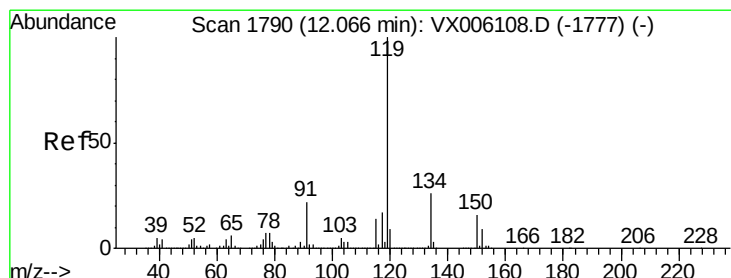
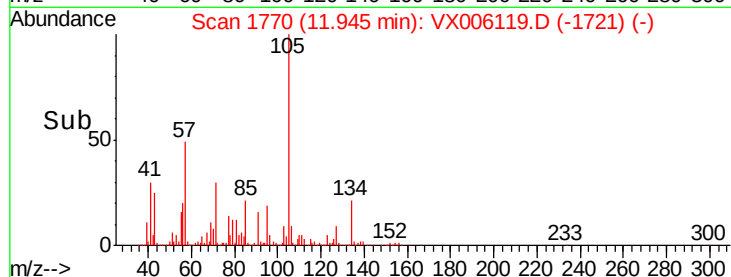
150000

100000

50000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 3.444 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

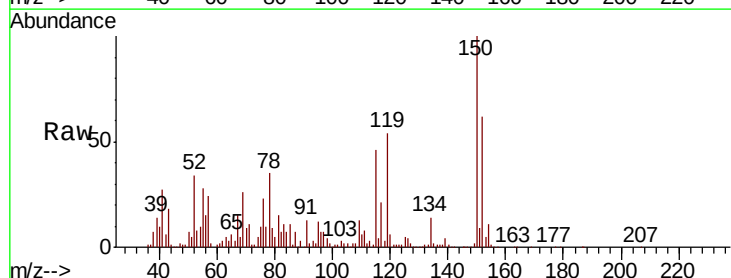
Tgt Ion:119 Resp: 54146

Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 26.2 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

60000

50000

40000

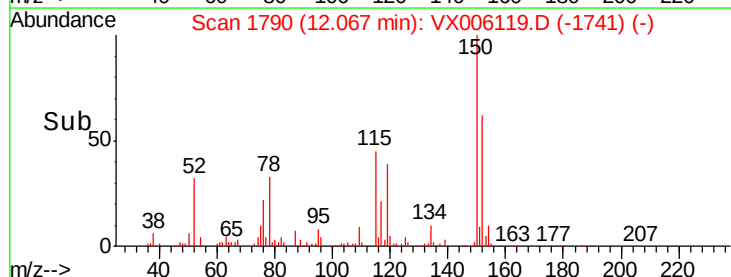
30000

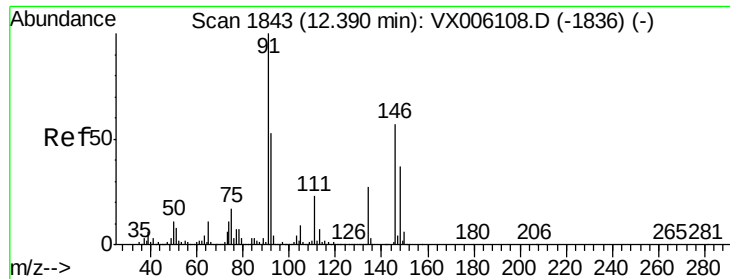
20000

10000

0

Time--> 12.05 12.10





#89

n-Butylbenzene

Concen: 23.053 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

FDSB-03(10-12)DL

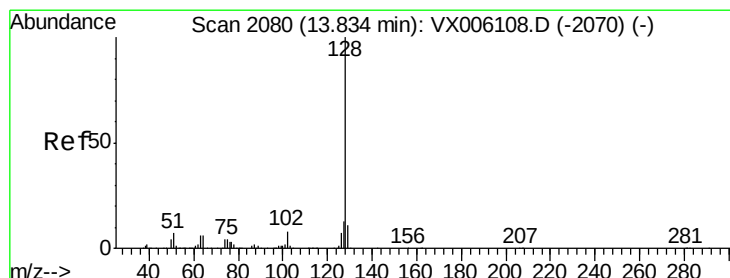
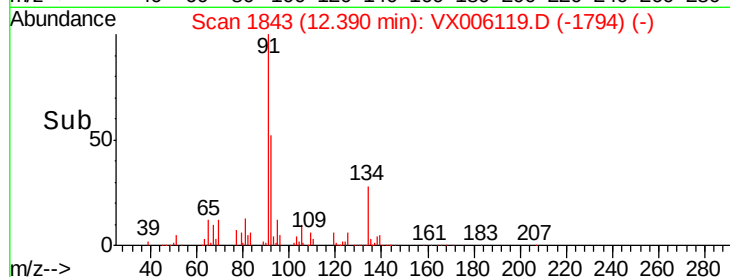
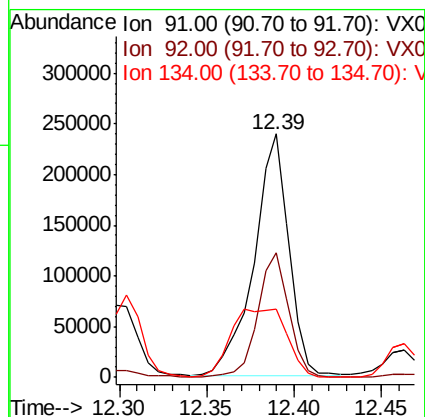
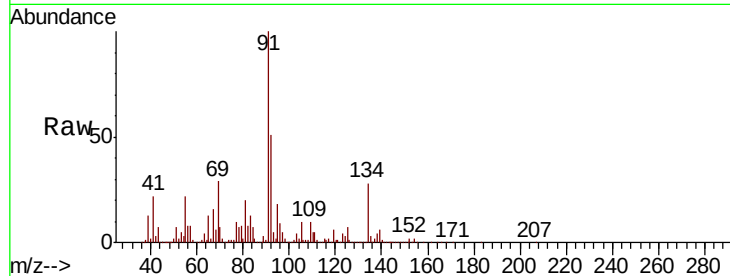
Tot Ion: 91 Resp: 328112

Ion Ratio Lower Upper

91 100

92 45.5 26.6 79.7

134 45.6 13.1 39.3#



#95

Naphthalene

Concen: 10.334 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006119.D

Acq: 21 Nov 2018 13:00

Tgt Ion: 128 Resp: 197969

Ion Ratio Lower Upper

128 100

127 17.2 10.6 15.8#

129 13.8 8.8 13.2#

