

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111918\
 Data File : VX006100.D
 Acq On : 19 Nov 2018 19:13
 Operator : JC/MD
 Sample : J5967-01
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Nov 20 01:07:58 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	159470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	215675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98466	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	78908	43.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.08%	
35) Dibromofluoromethane	5.51	113	67974	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
50) Toluene-d8	8.71	98	247637	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.14	95	99136	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	

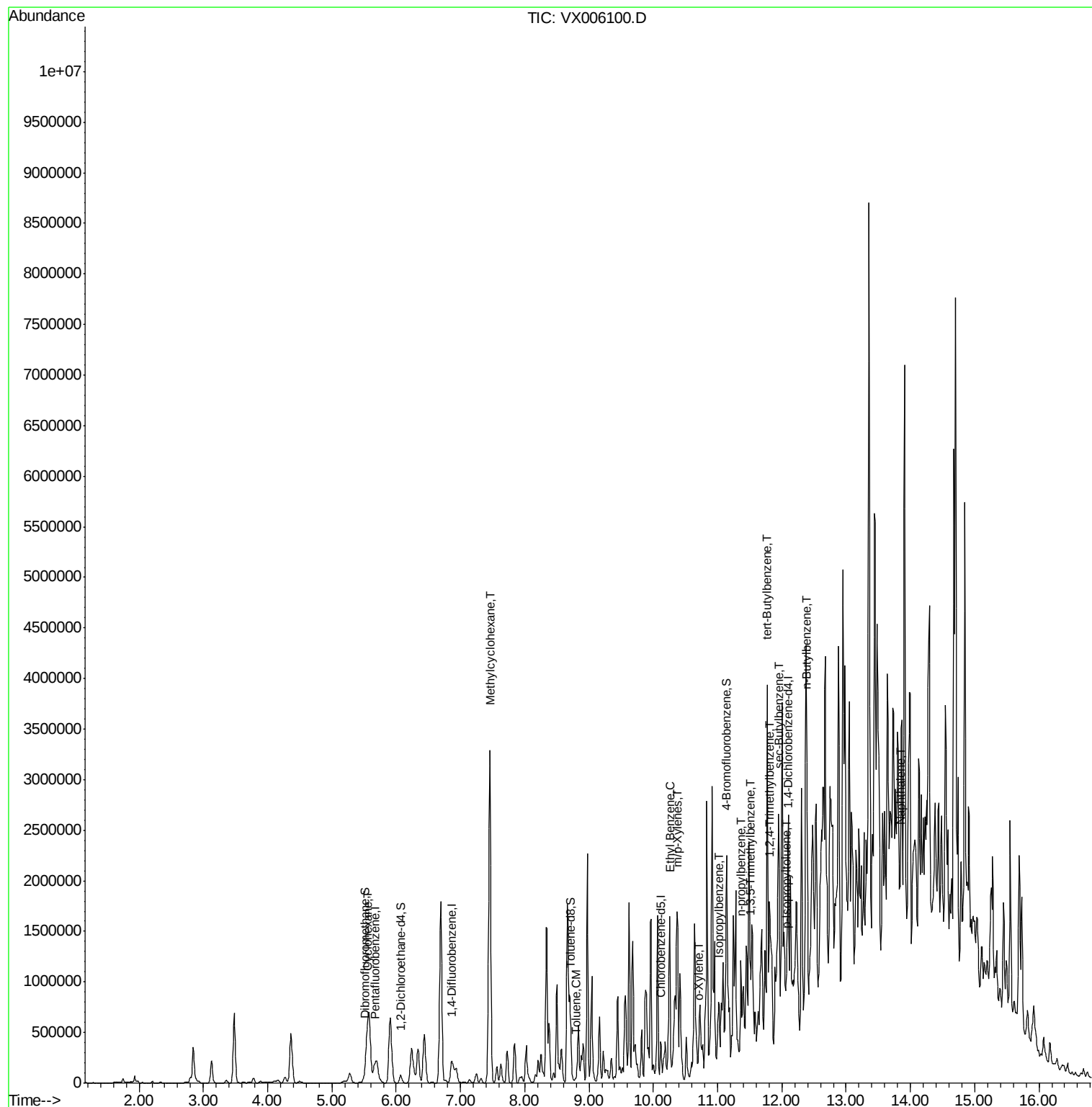
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.56	56	492914	193.00	ug/l	92
39) Methylcyclohexane	7.46	83	1485911	705.13	ug/l	98
52) Toluene	8.79	92	10781	3.18	ug/l	92
67) Ethyl Benzene	10.26	91	865606	162.51	ug/l	98
68) m/p-Xylenes	10.37	106	198987	97.94	ug/l	98
69) o-Xylene	10.70	106	7004	3.84	ug/l	74
73) Isopropylbenzene	11.02	105	260660	45.78	ug/l	100
78) n-propylbenzene	11.37	91	606273	90.34	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	151243	31.26	ug/l	98
83) tert-Butylbenzene	11.77	119	26724	5.46	ug/l	81
84) 1,2,4-Trimethylbenzene	11.81	105	276332	51.75	ug/l	97
85) sec-Butylbenzene	11.95	105	376605	62.91	ug/l #	75
86) p-Isopropyltoluene	12.07	119	90093	16.99	ug/l	97
89) n-Butylbenzene	12.39	91	583737	118.78	ug/l #	81
95) Naphthalene	13.84	128	301890	42.79	ug/l #	78

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

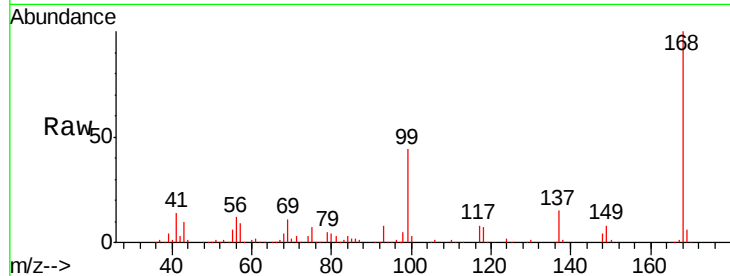
FDSB-03(10-12)

Tgt Ion:168 Resp: 159470

Ion Ratio Lower Upper

168 100

99 43.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VX006100.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX006100.D (-690) (-)

5.66

60000

50000

40000

30000

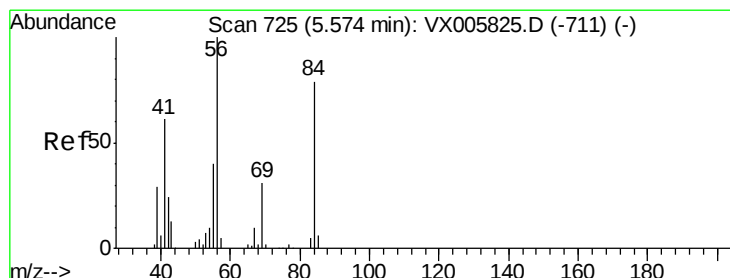
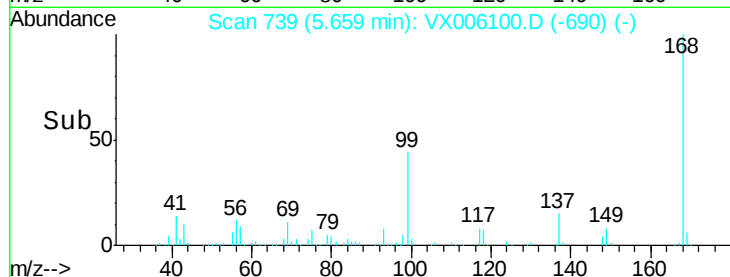
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 193.00 ug/l

RT: 5.56 min Scan# 722

Delta R.T. -0.02 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

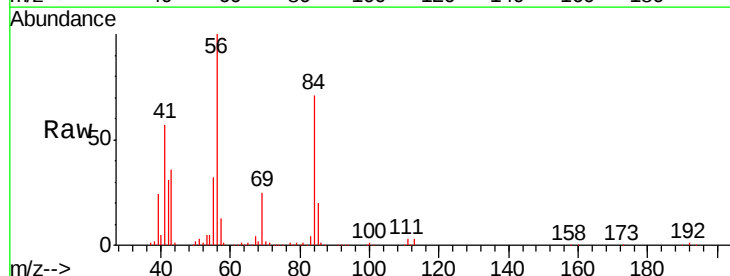
Tgt Ion: 56 Resp: 492914

Ion Ratio Lower Upper

56 100

69 24.3 22.6 34.0

84 71.2 62.7 94.1



Abundance Ion 56.00 (55.70 to 56.70): VX006100.D (-676) (-)

Ion 69.00 (68.70 to 69.70): VX006100.D (-676) (-)

Ion 84.00 (83.70 to 84.70): VX006100.D (-676) (-)

5.56

150000

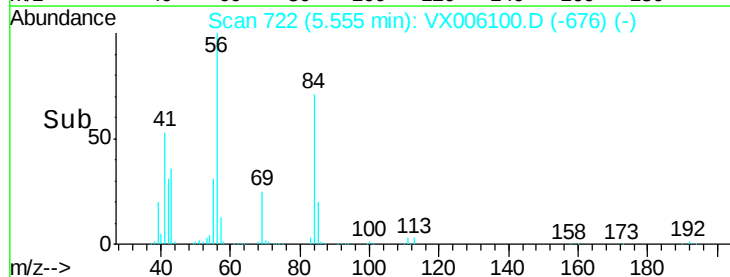
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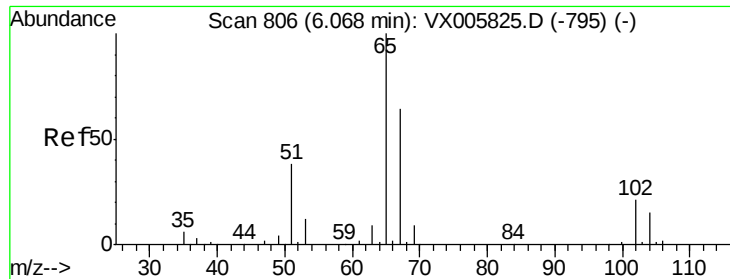
50000

0

Time-->

5.40 5.50 5.60 5.70

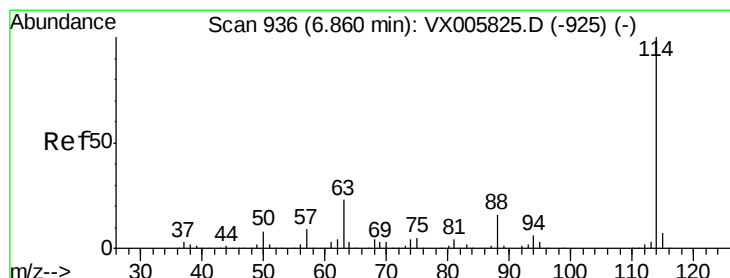
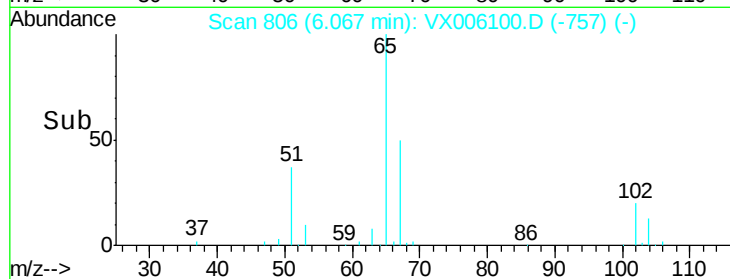
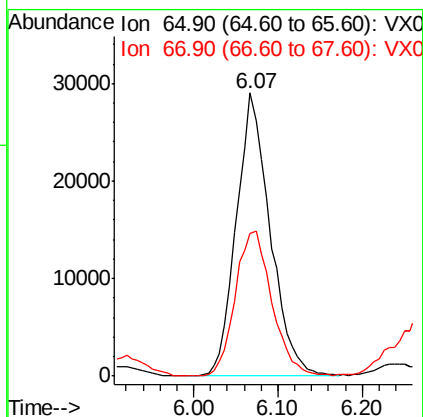
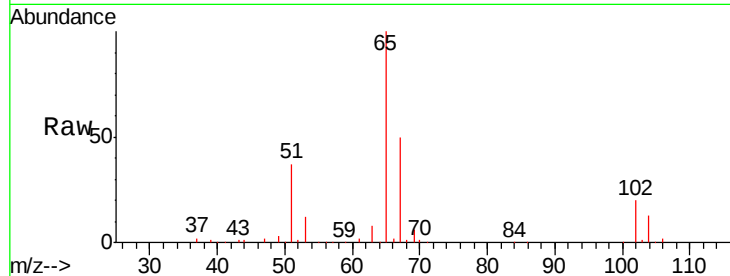




#33
 1,2-Dichloroethane-d4
 Concen: 43.04 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

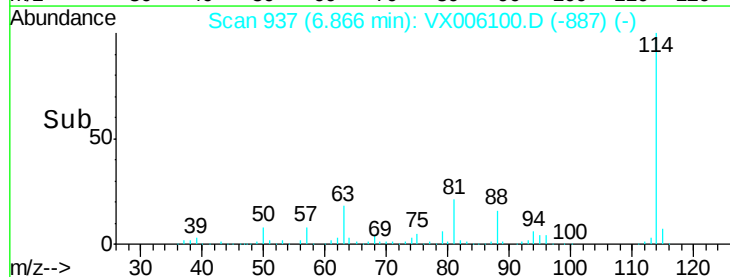
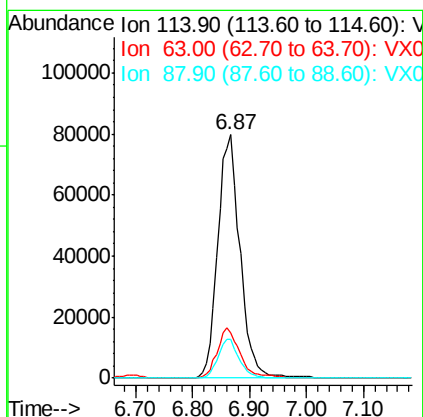
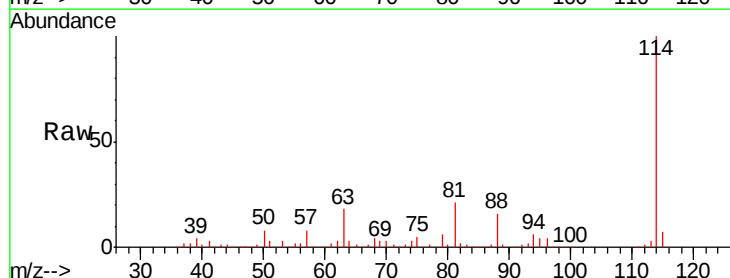
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)

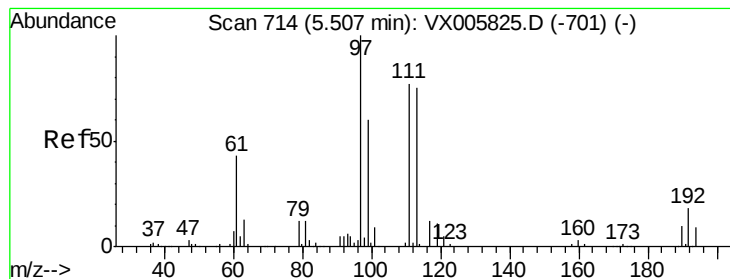
Tgt Ion: 65 Resp: 78908
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

Tgt Ion: 114 Resp: 215675
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 42.8
 88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.34 ug/l

RT: 5.51 min Scan# 715

Delta R.T. 0.01 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

FDSB-03(10-12)

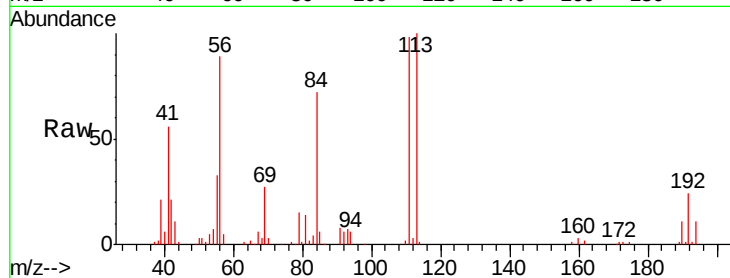
Tgt Ion:113 Resp: 67974

Ion Ratio Lower Upper

113 100

111 100.6 82.3 123.5

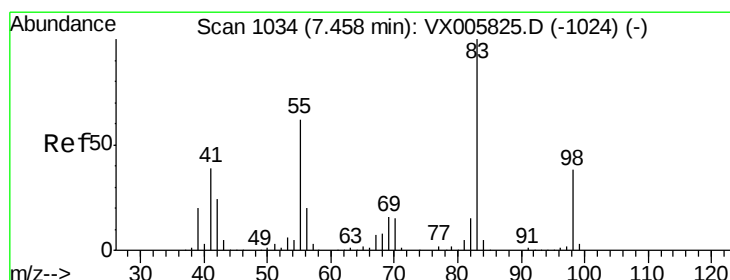
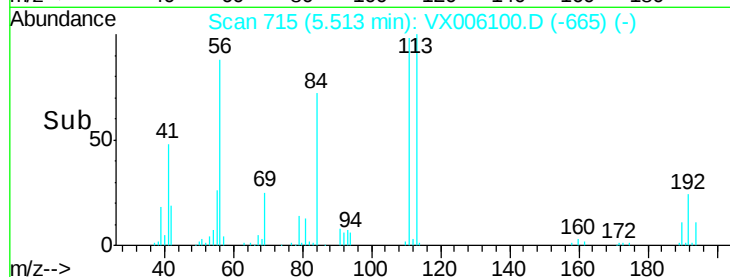
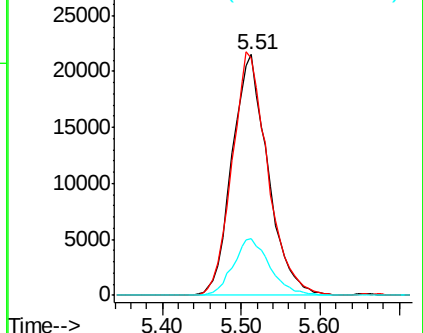
192 23.9 17.9 26.9



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: 705.13 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

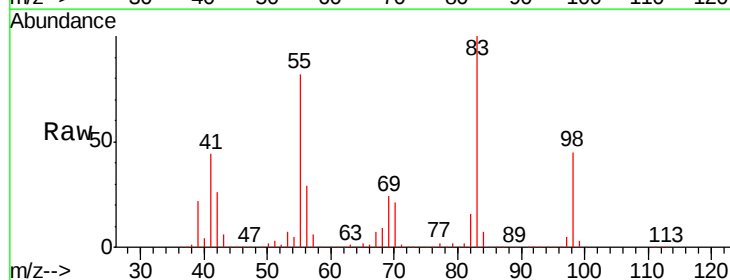
Tgt Ion: 83 Resp: 1485911

Ion Ratio Lower Upper

83 100

55 81.9 63.7 95.5

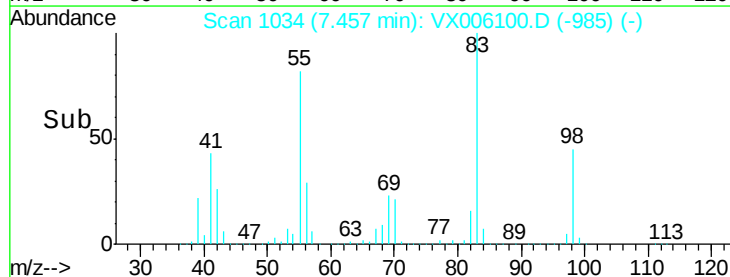
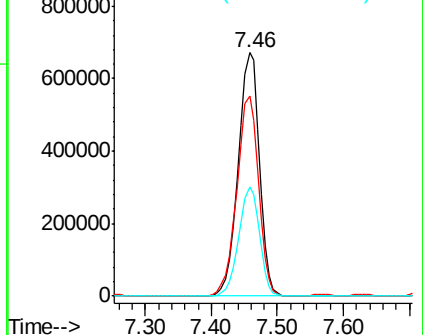
98 45.1 36.2 54.2

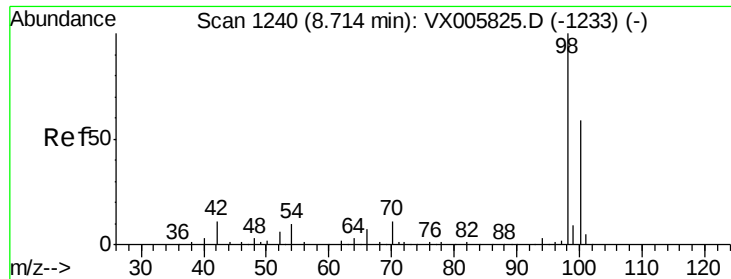


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

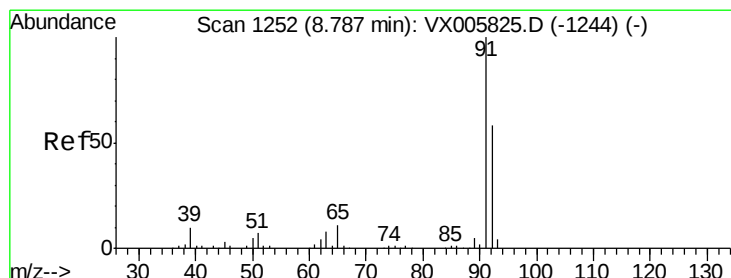
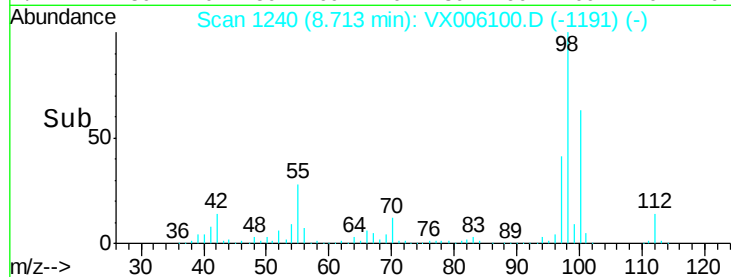
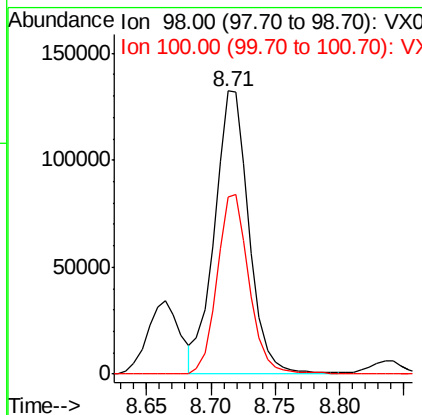
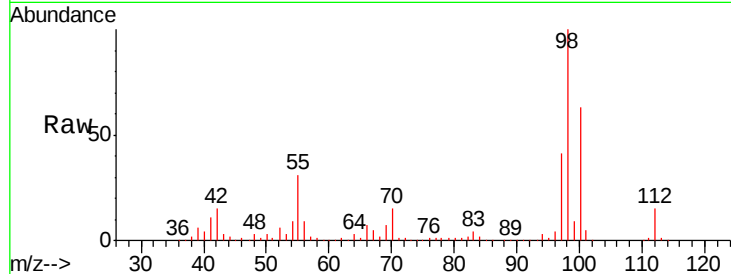




#50
Toluene-d8
Concen: 50.78 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

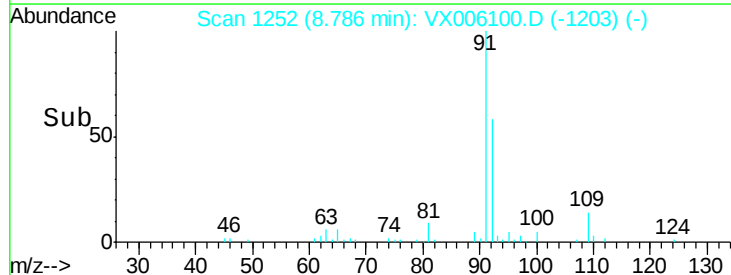
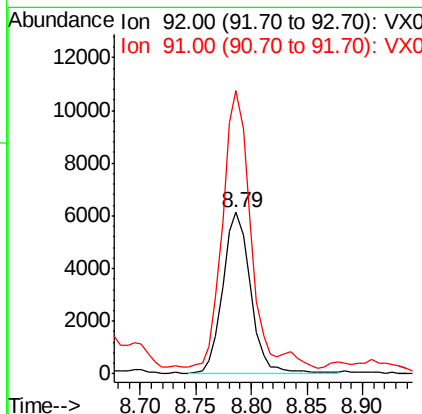
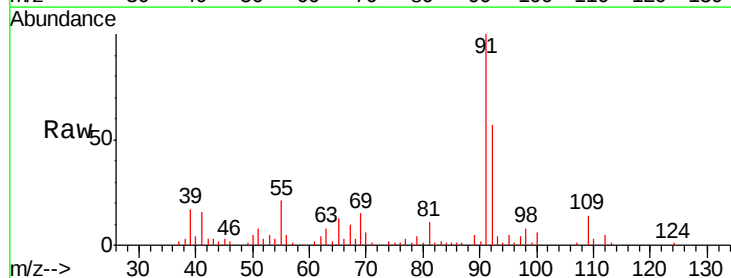
Instrument :
MSVOA_X
ClientSampled :
FDSB-03(10-12)

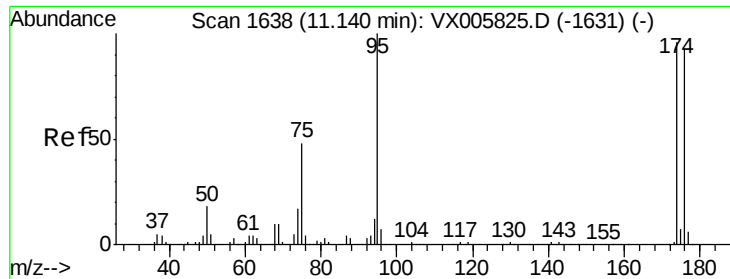
Tgt Ion: 98 Resp: 247637
Ion Ratio Lower Upper
98 100
100 59.6 51.3 76.9



#52
Toluene
Concen: 3.18 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

Tgt Ion: 92 Resp: 10781
Ion Ratio Lower Upper
92 100
91 163.9 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 56.54 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

FDSB-03(10-12)

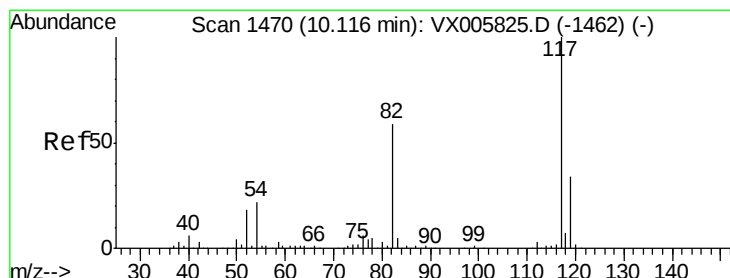
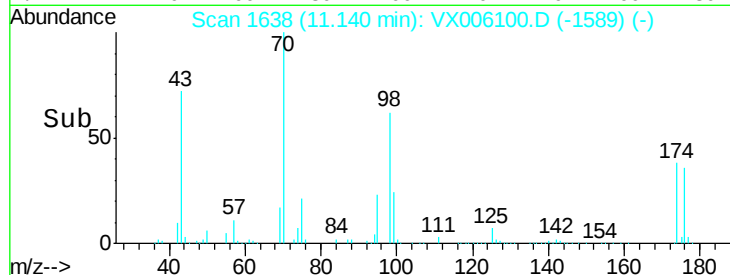
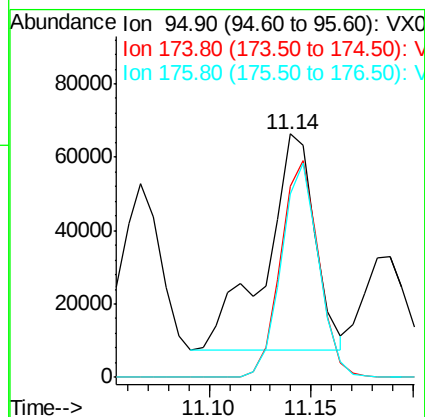
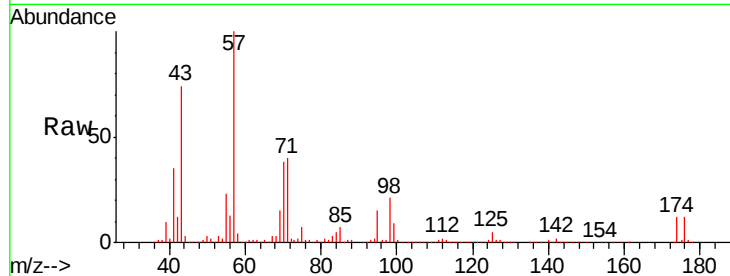
Tgt Ion: 95 Resp: 99136

Ion Ratio Lower Upper

95 100

174 77.8 0.0 184.4

176 75.3 0.0 177.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

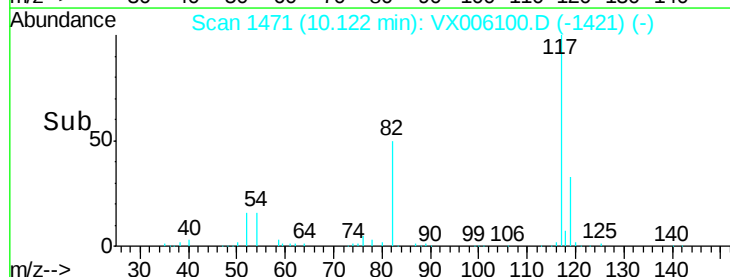
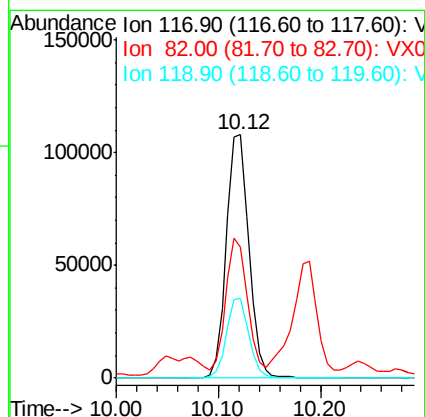
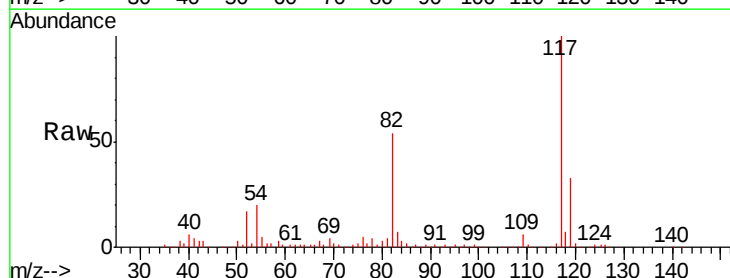
Tgt Ion: 117 Resp: 165816

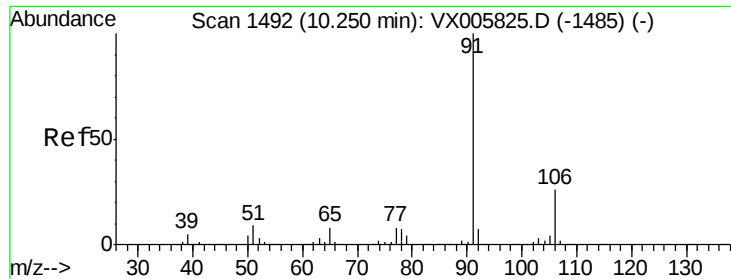
Ion Ratio Lower Upper

117 100

82 50.5 44.1 66.1

119 32.8 26.2 39.2

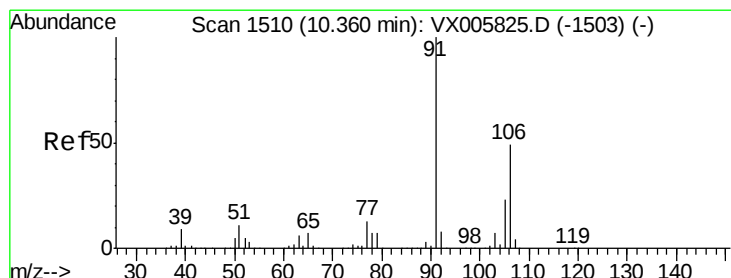
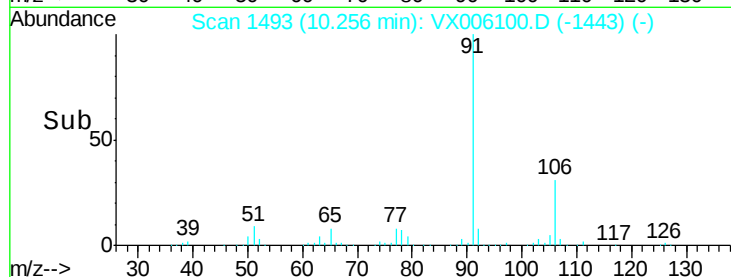
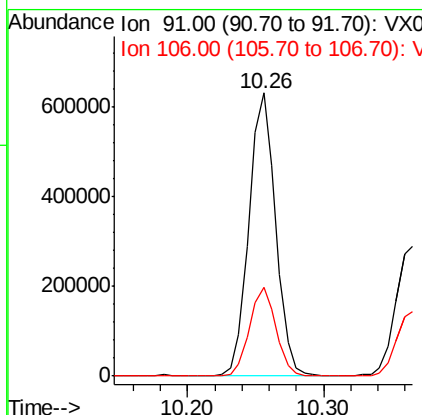
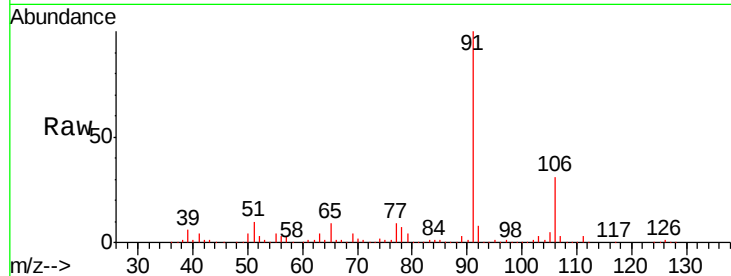




#67
Ethyl Benzene
Concen: 162.51 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

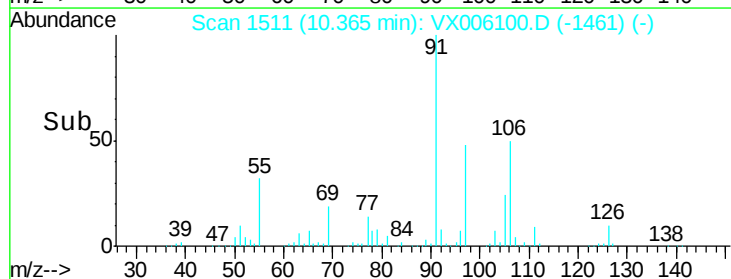
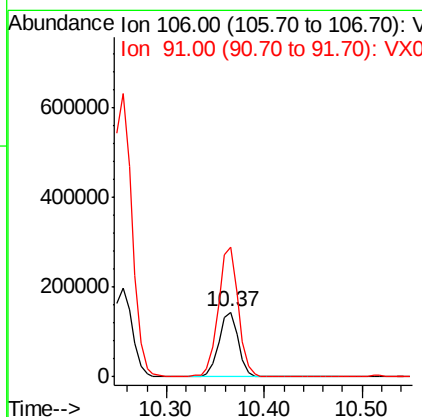
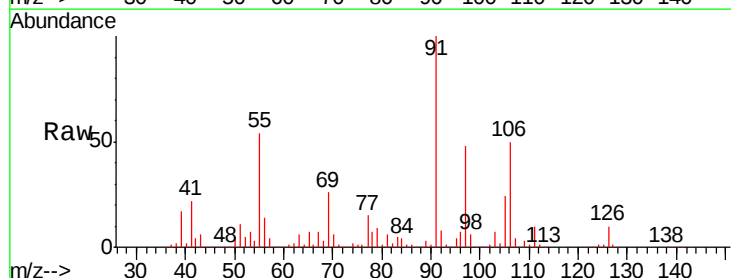
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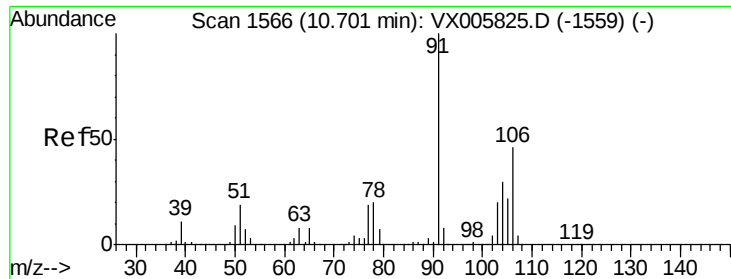
Tgt Ion: 91 Resp: 865606
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6



#68
m/p-Xylenes
Concen: 97.94 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

Tgt Ion: 106 Resp: 198987
Ion Ratio Lower Upper
106 100
91 202.4 164.2 246.4

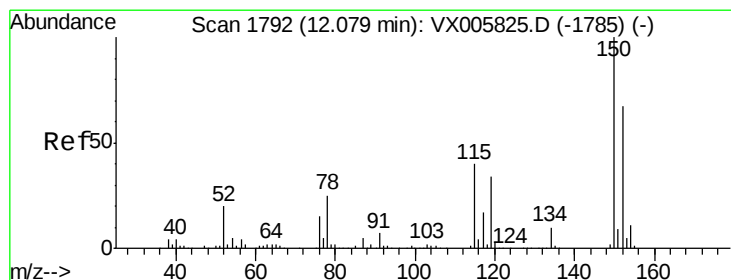
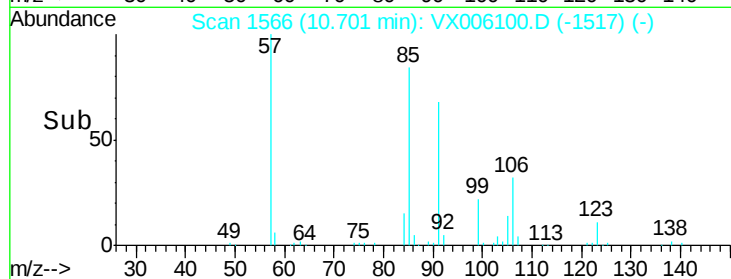
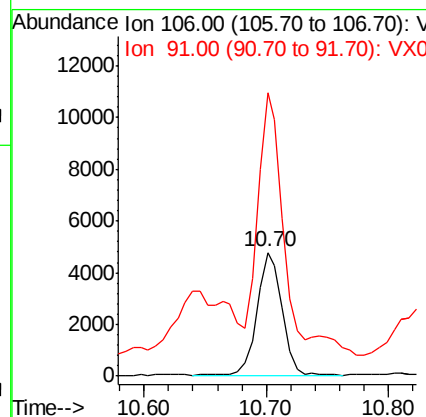
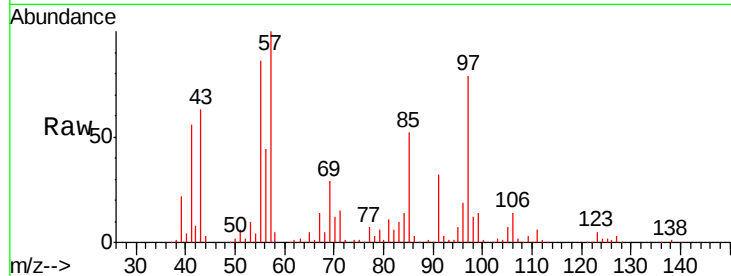




#69
o-Xylene
Concen: 3.84 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

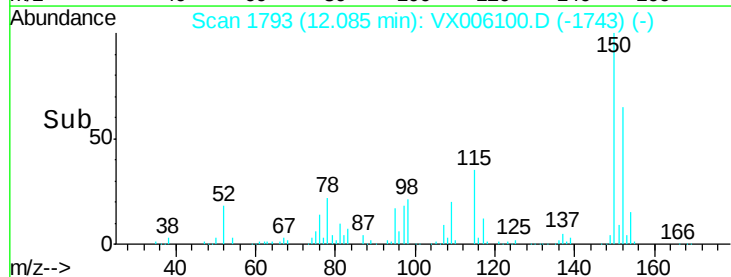
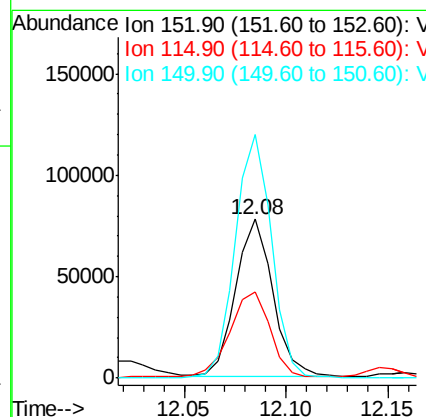
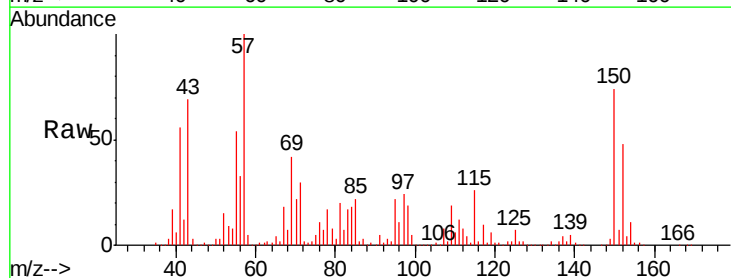
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FDSB-03(10-12)

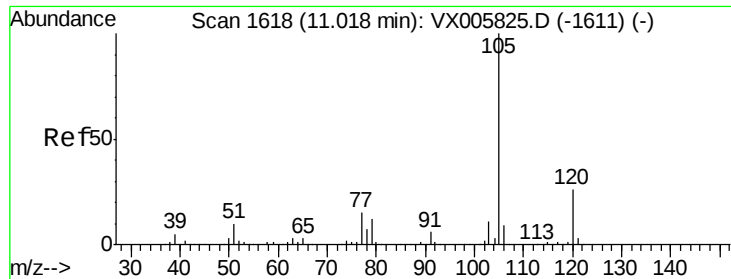
Tgt Ion:106 Resp: 7004
Ion Ratio Lower Upper
106 100
91 175.7 108.5 325.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX006100.D
Acq: 19 Nov 2018 19:13

Tgt Ion:152 Resp: 98466
Ion Ratio Lower Upper
152 100
115 57.8 39.4 118.1
150 150.1 0.0 346.4





#73

Isopropylbenzene

Concen: 45.78 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX006100.D

Acq: 19 Nov 2018 19:13

Instrument :

MSVOA_X

ClientSampleId :

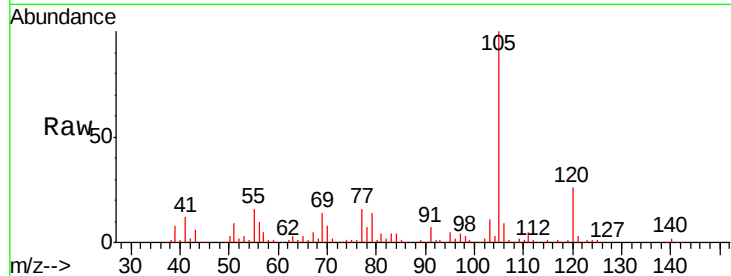
FDSB-03(10-12)

Tgt Ion: 105 Resp: 260660

Ion Ratio Lower Upper

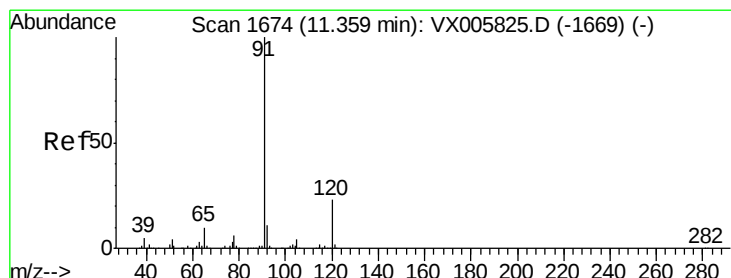
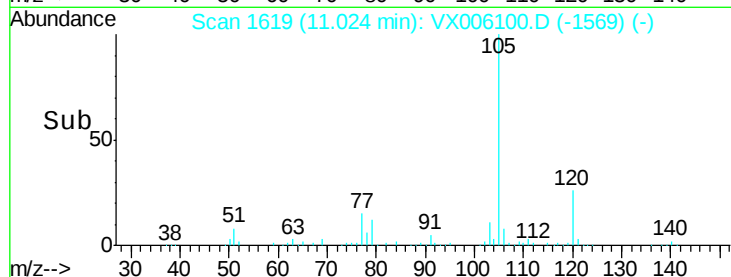
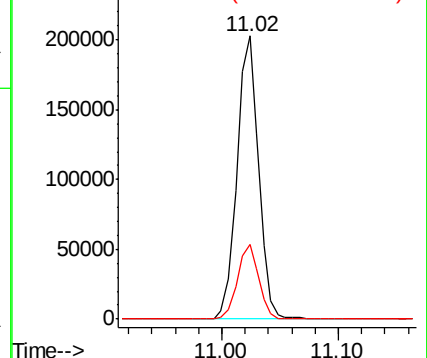
105 100

120 26.3 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: 90.34 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX006100.D

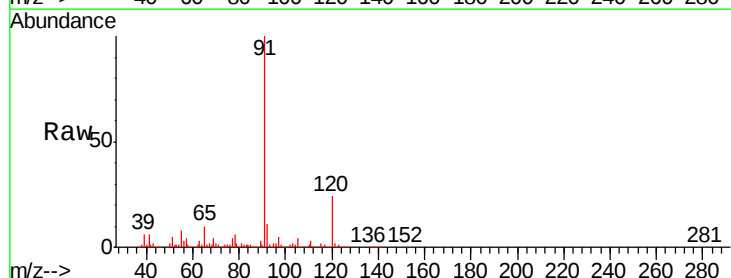
Acq: 19 Nov 2018 19:13

Tgt Ion: 91 Resp: 606273

Ion Ratio Lower Upper

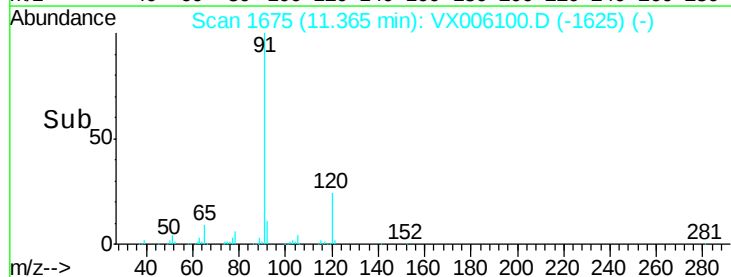
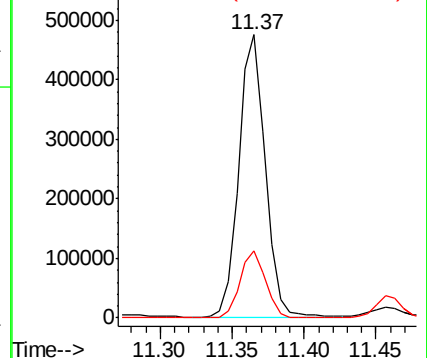
91 100

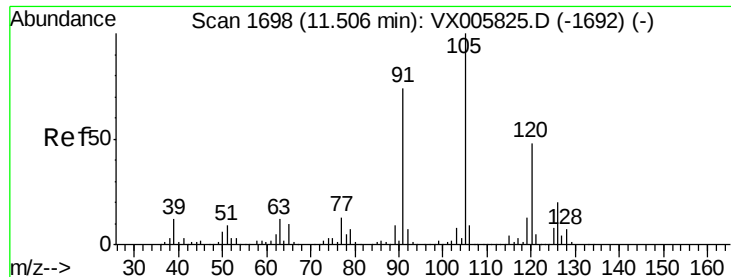
120 22.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

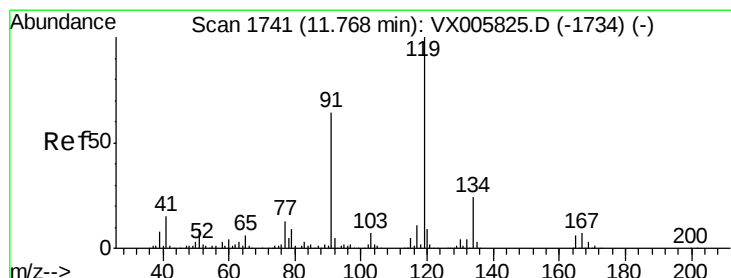
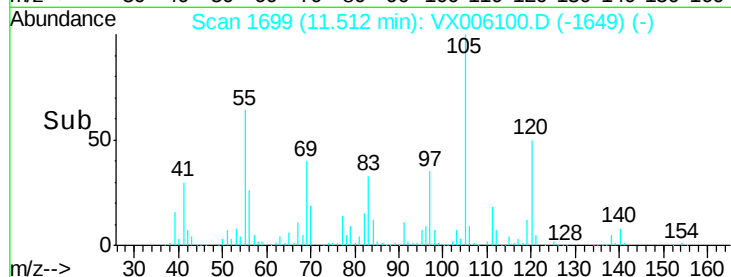
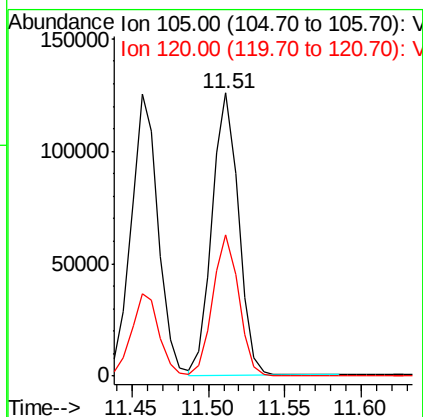
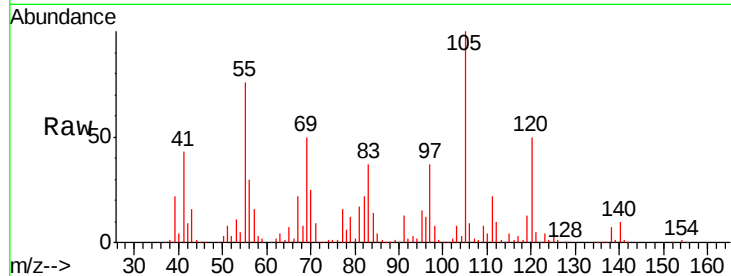




#80
 1,3,5-Trimethylbenzene
 Concen: 31.26 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

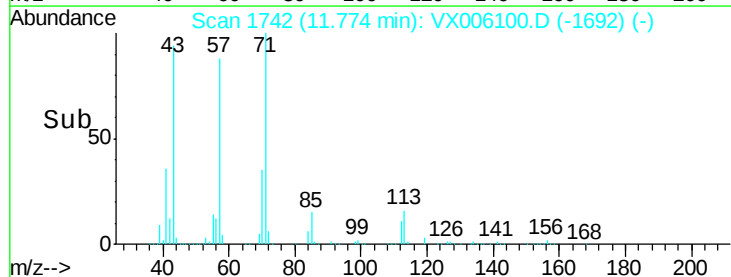
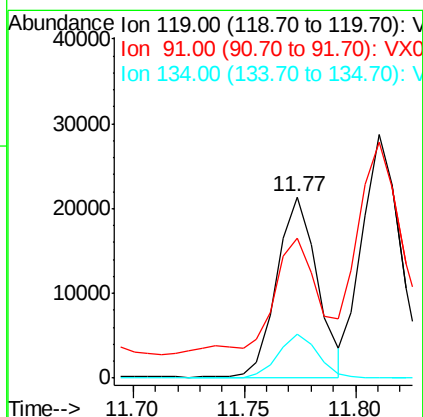
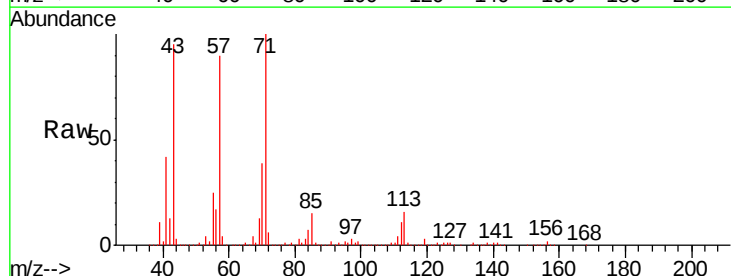
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)

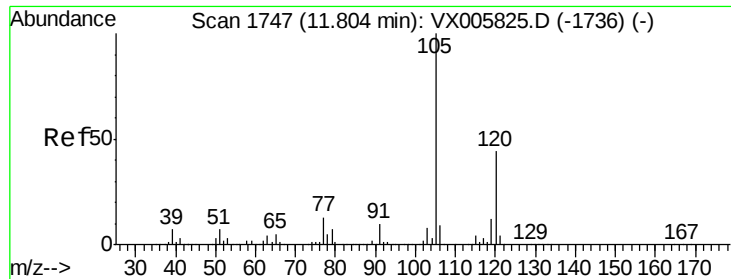
Tgt Ion:105 Resp: 151243
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.2



#83
 tert-Butylbenzene
 Concen: 5.46 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

Tgt Ion:119 Resp: 26724
 Ion Ratio Lower Upper
 119 100
 91 75.5 28.5 85.5
 134 24.5 11.3 33.8

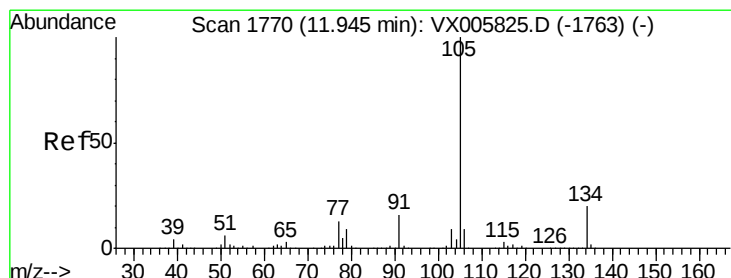
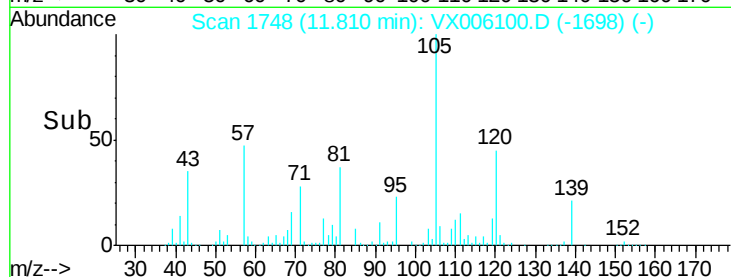
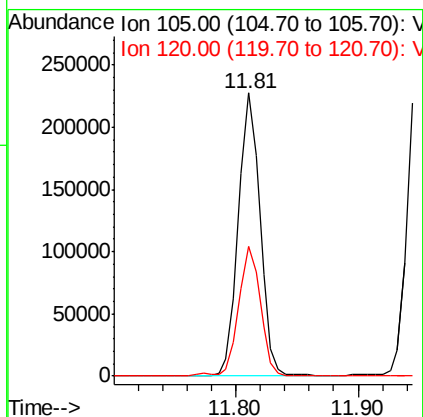
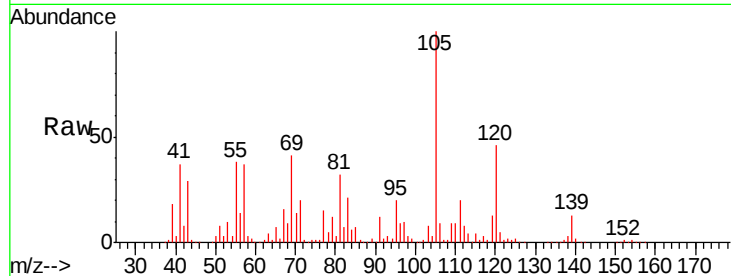




#84
 1,2,4-Trimethylbenzene
 Concen: 51.75 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

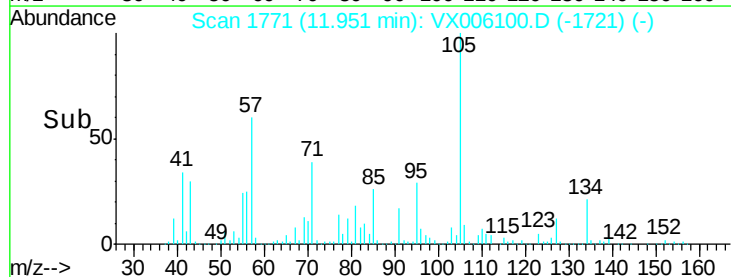
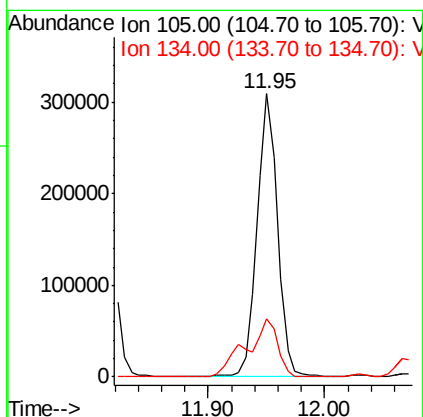
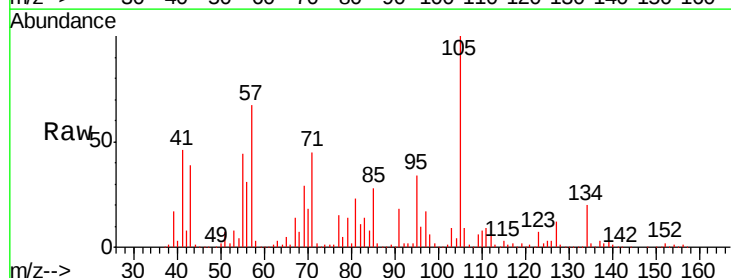
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)

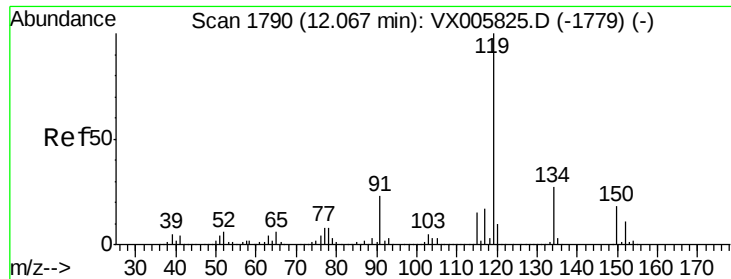
Tgt Ion:105 Resp: 276332
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 62.91 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

Tgt Ion:105 Resp: 376605
 Ion Ratio Lower Upper
 105 100
 134 31.7 10.2 30.4#

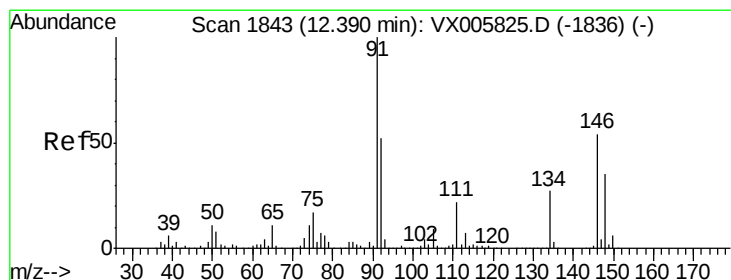
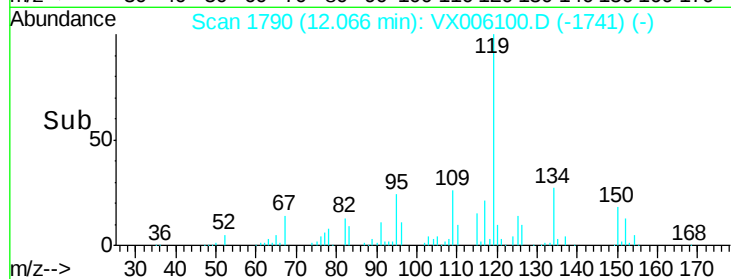
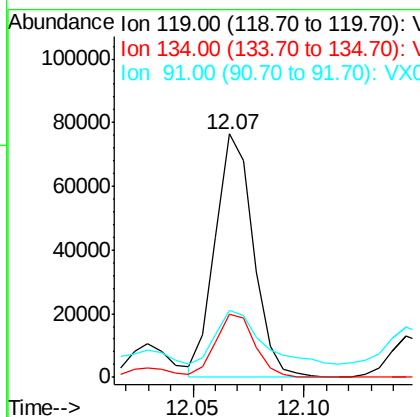
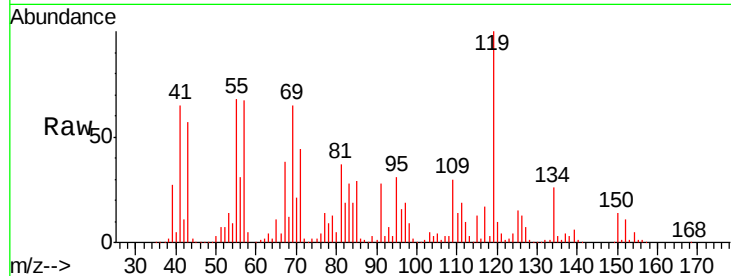




#86
 p-Isopropyltoluene
 Concen: 16.99 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

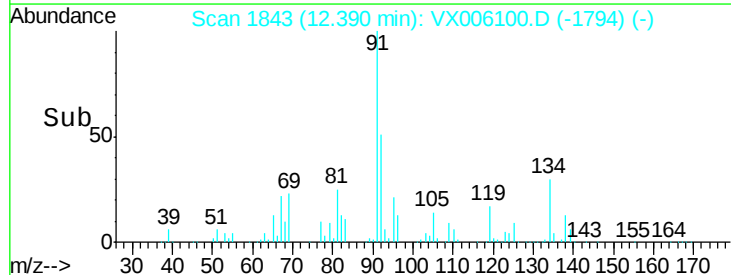
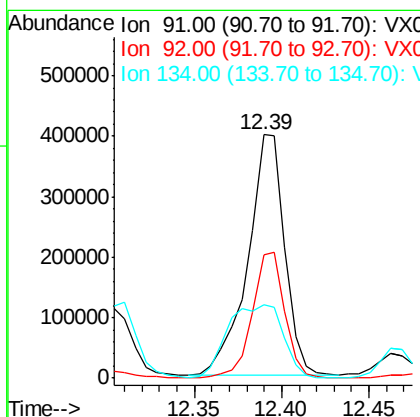
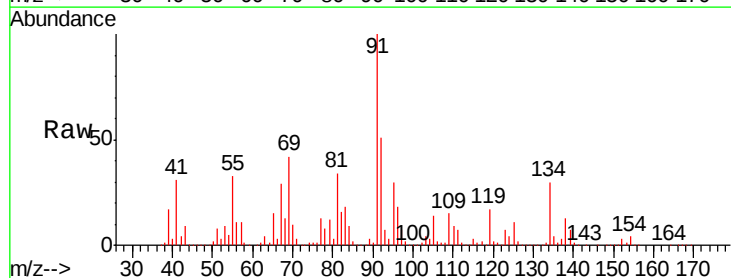
Instrument :
 MSVOA_X
 ClientSampleId :
 FDSB-03(10-12)

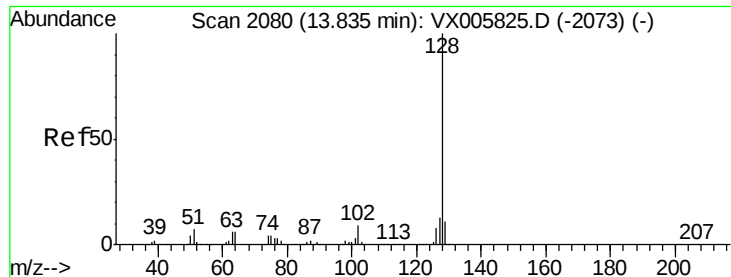
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.0	39.0
91	25.7	11.4	34.2



#89
 n-Butylbenzene
 Concen: 118.78 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.6	26.1	78.2
134	45.4	13.1	39.3





#95
 Naphthalene
 Concen: 42.79 ug/l
 RT: 13.84 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VX006100.D
 Acq: 19 Nov 2018 19:13

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.4	15.6
129	0.0	8.7	13.1

