

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060382.D
 Acq On : 14 Nov 2018 16:41
 Operator : JC/SY
 Sample : J5918-02
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

Quant Time: Nov 15 05:54:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1576621	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2190899	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	1749608	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	861381	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	372819	33.03	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	66.06%	
35) Dibromofluoromethane	6.29	113	550275	33.68	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	67.36%	
50) Toluene-d8	9.42	98	1574085	32.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	65.84%	
62) 4-Bromofluorobenzene	12.34	95	29654	1.71	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	3.42%	

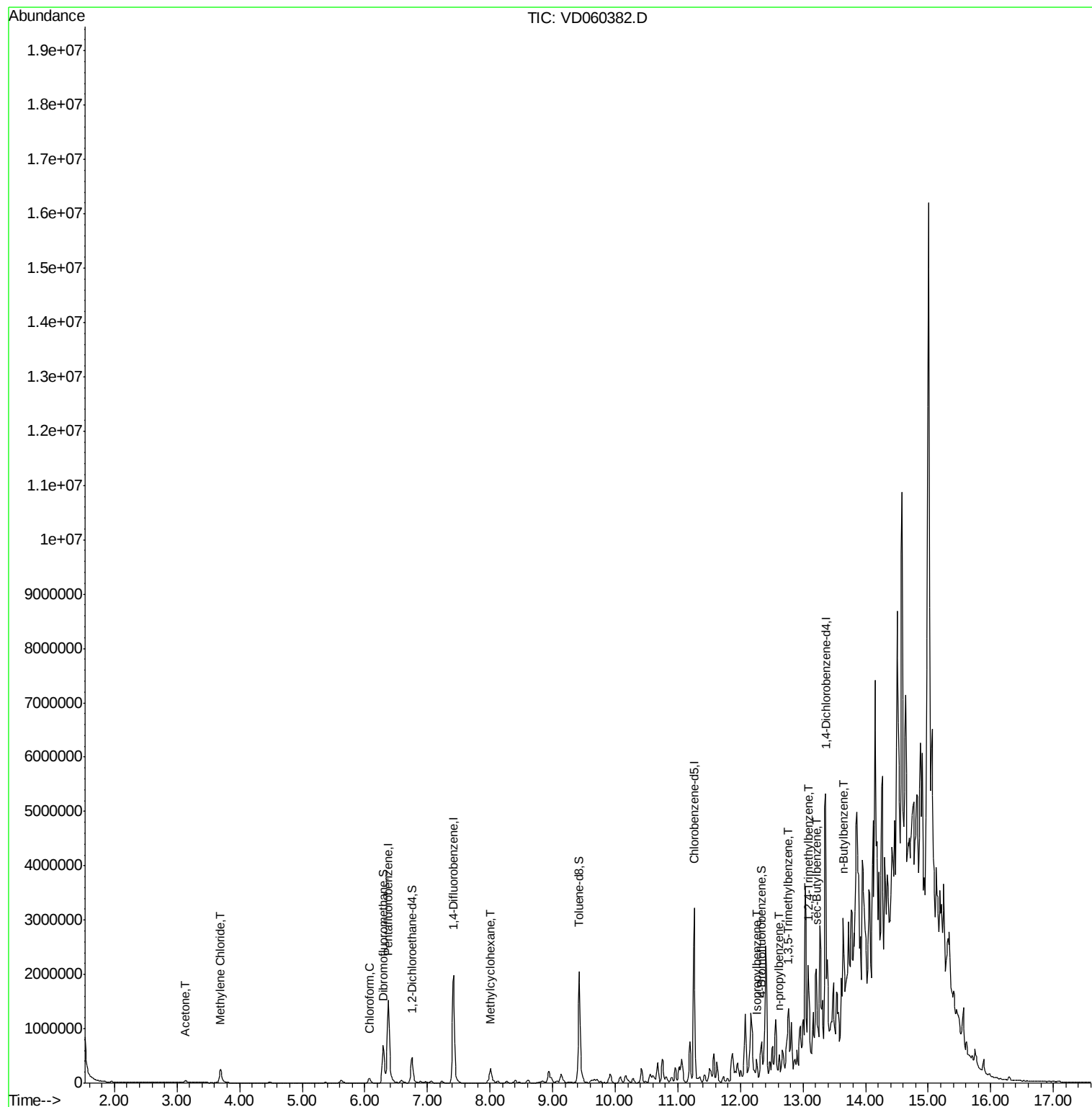
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.14	43	78102	39.89	ug/l	92
20) Methylene Chloride	3.70	84	160334	9.23	ug/l	99
30) Chloroform	6.08	83	96907	3.44	ug/l	97
39) Methylcyclohexane	8.01	83	132995	5.34	ug/l	98
73) Isopropylbenzene	12.26	105	75530	1.20	ug/l	98
78) n-propylbenzene	12.62	91	232351	2.97	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	81050	1.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.07	105	666837	13.69	ug/l	99
85) sec-Butylbenzene	13.20	105	218918	3.30	ug/l	95
89) n-Butylbenzene	13.64	91	375930	5.39	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

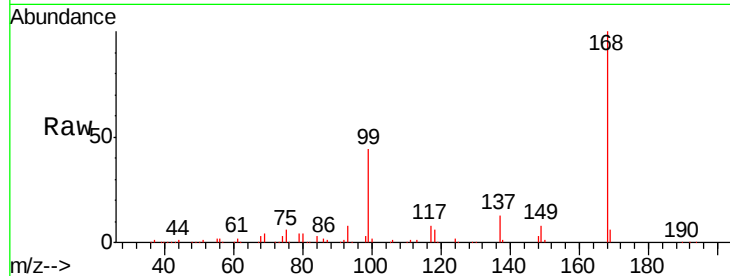
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

Tgt Ion:168 Resp: 1576621

Ion Ratio Lower Upper

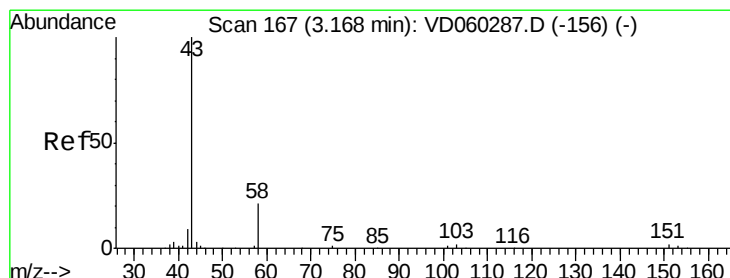
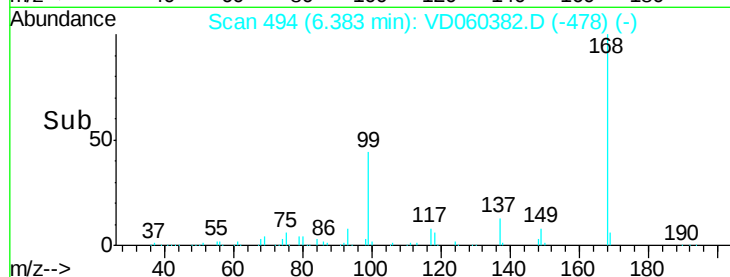
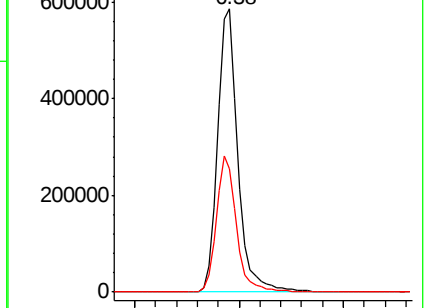
168 100

99 43.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 39.89 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060382.D

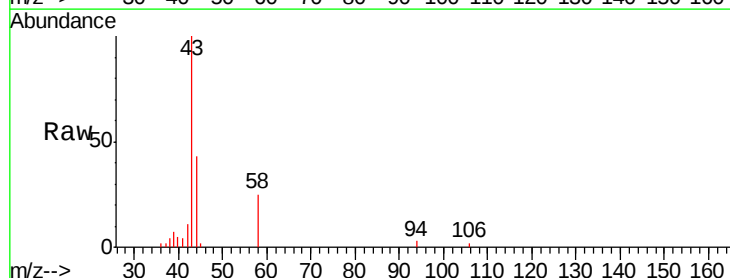
Acq: 14 Nov 2018 16:41

Tgt Ion: 43 Resp: 78102

Ion Ratio Lower Upper

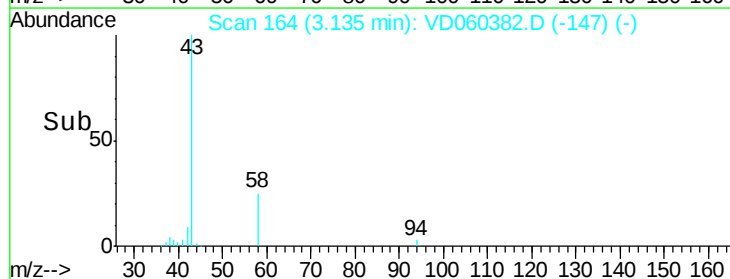
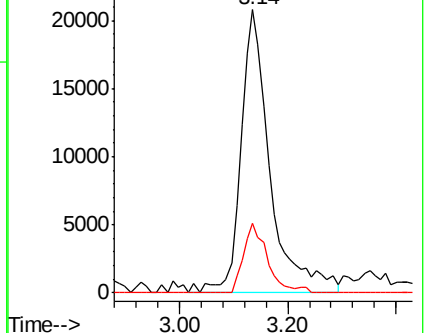
43 100

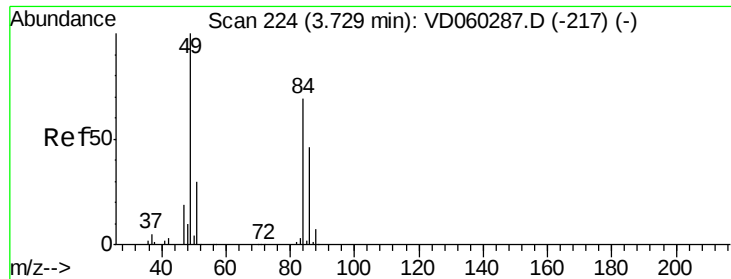
58 24.7 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

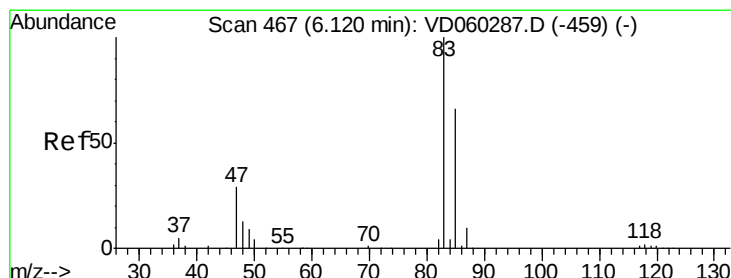
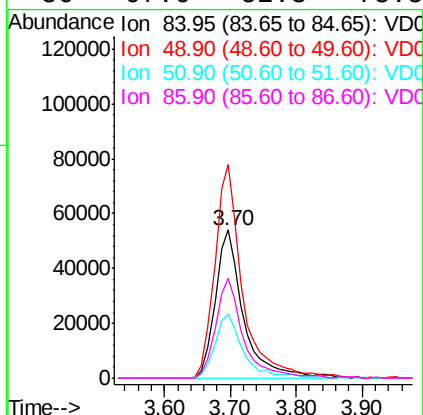
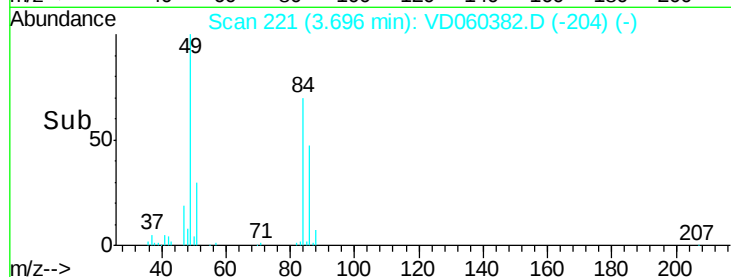
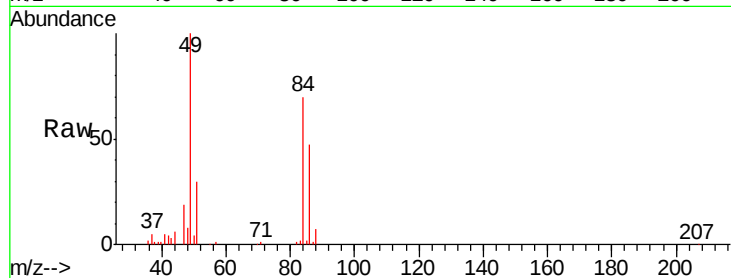




#20
Methylene Chloride
Concen: 9.23 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

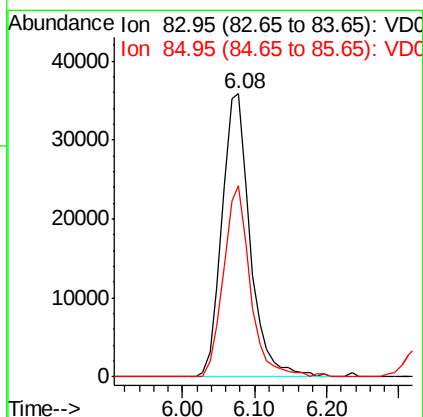
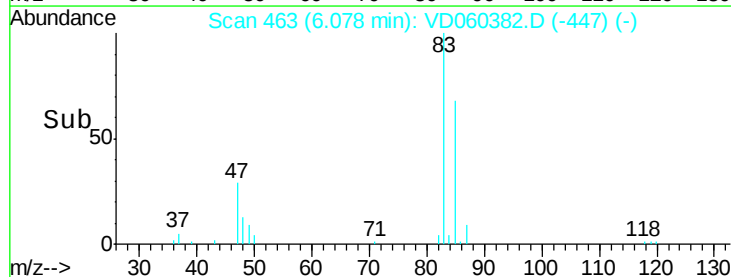
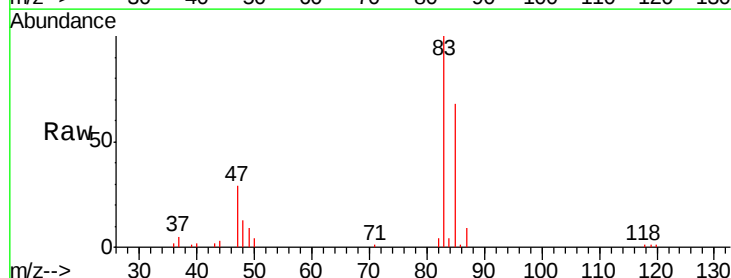
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

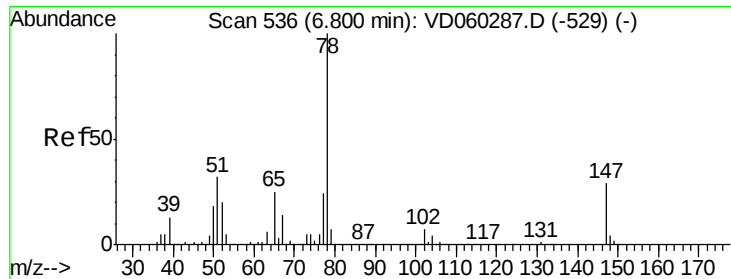
Tgt Ion: 84 Resp: 160334
Ion Ratio Lower Upper
84 100
49 143.9 115.6 173.4
51 42.8 35.6 53.4
86 67.6 52.3 78.5



#30
Chloroform
Concen: 3.44 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

Tgt Ion: 83 Resp: 96907
Ion Ratio Lower Upper
83 100
85 67.6 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

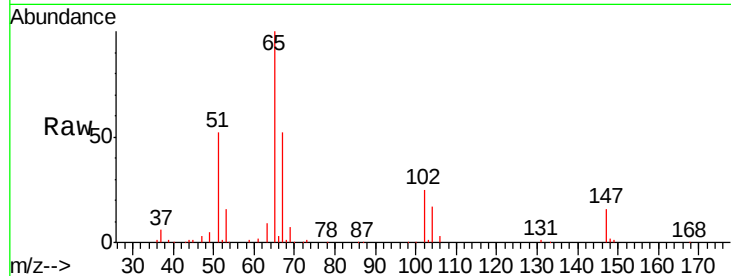
FDSB-05(25-27)

Tgt Ion: 65 Resp: 372819

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

150000

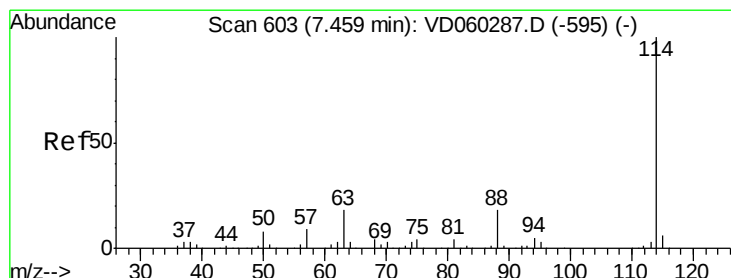
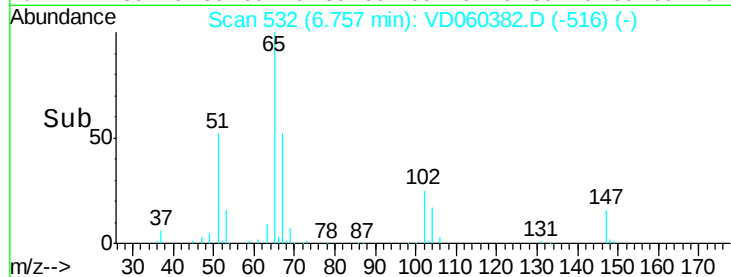
100000

50000

0

6.60 6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.04 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

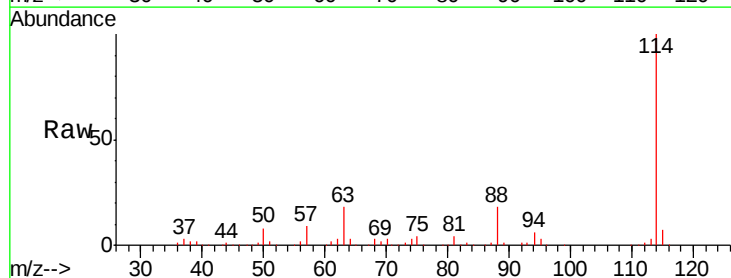
Tgt Ion: 114 Resp: 2190899

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 17.8 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

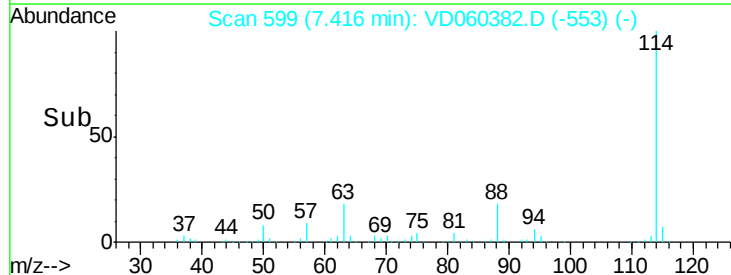
400000

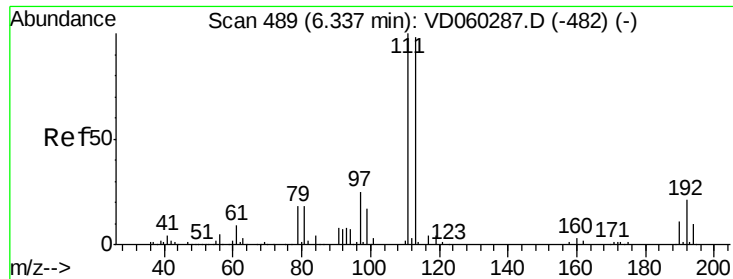
200000

0

7.20 7.40 7.60

Time-->

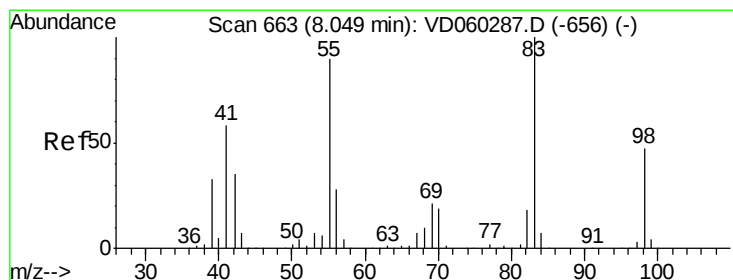
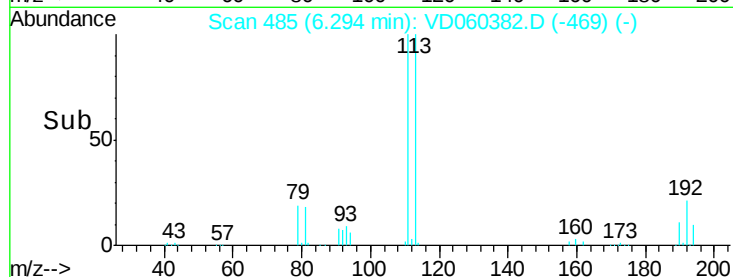
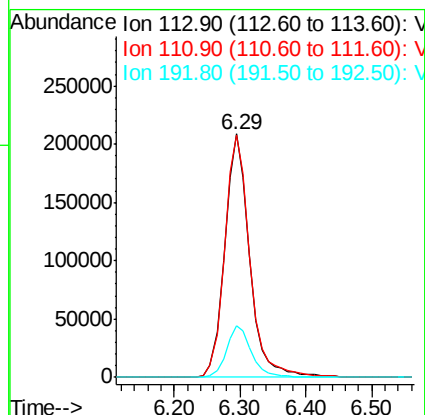
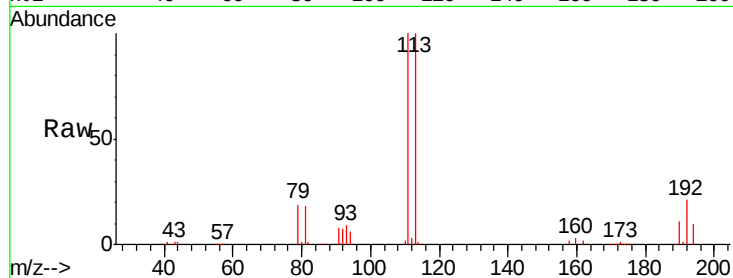




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.04 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

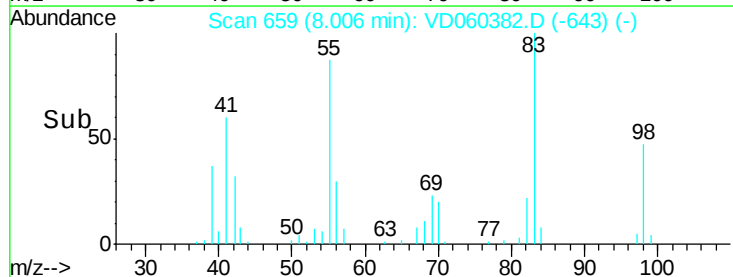
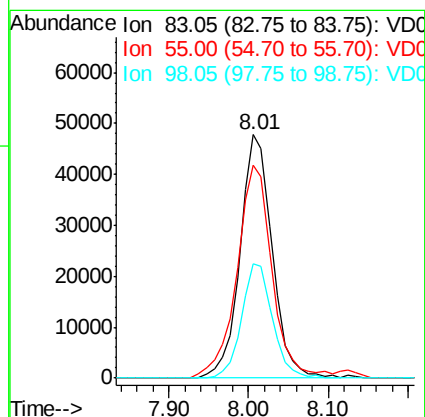
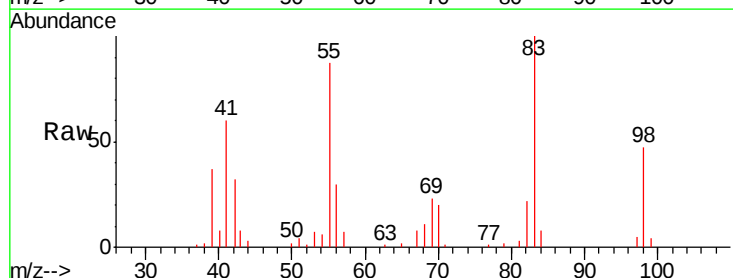
Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

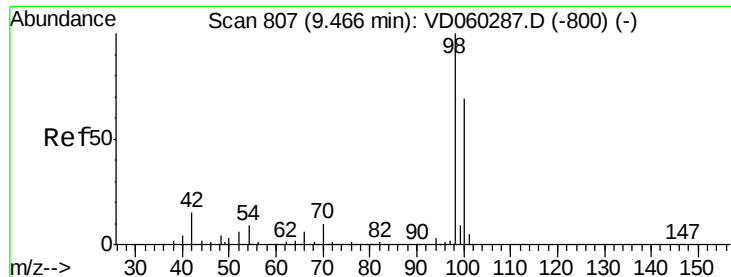
Tgt Ion: 113 Resp: 550275
Ion Ratio Lower Upper
113 100
111 99.6 81.6 122.4
192 21.3 16.5 24.7



#39
Methylcyclohexane
Concen: 5.34 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.04 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

Tgt Ion: 83 Resp: 132995
Ion Ratio Lower Upper
83 100
55 87.5 71.2 106.8
98 46.8 38.4 57.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 803

Delta R.T. -0.04 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

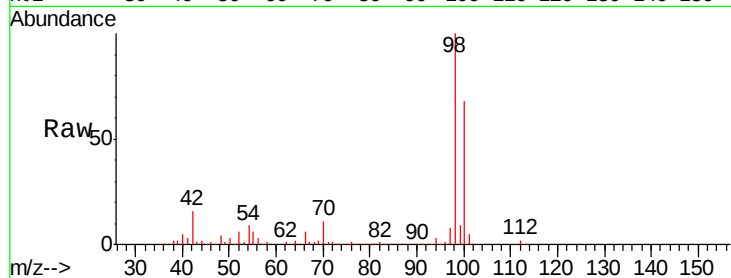
FDSB-05(25-27)

Tgt Ion: 98 Resp: 1574085

Ion Ratio Lower Upper

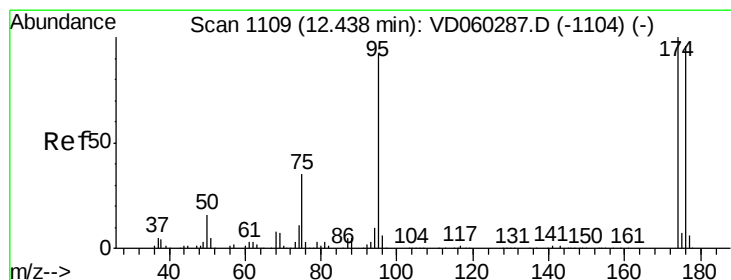
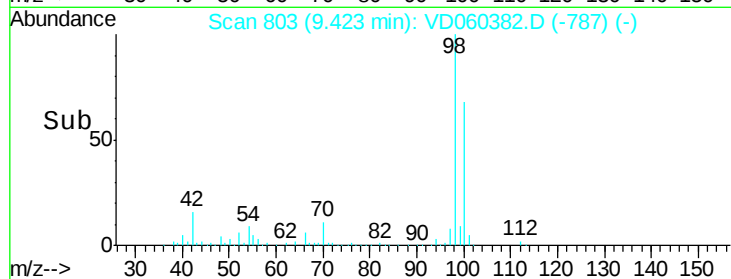
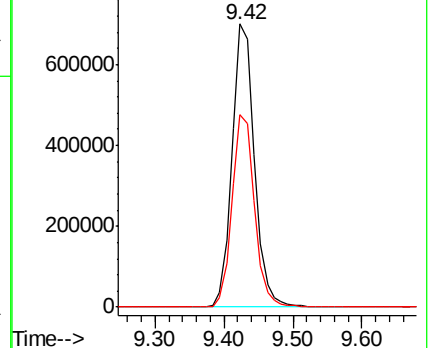
98 100

100 67.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.10 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

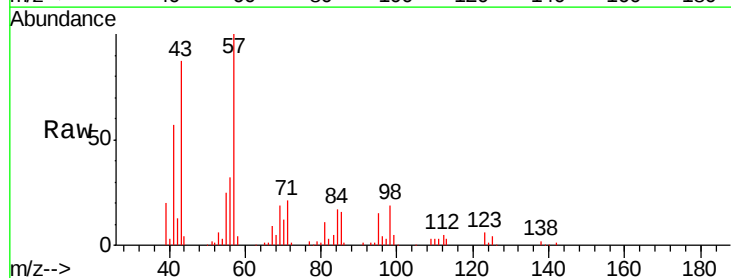
Tgt Ion: 95 Resp: 29654

Ion Ratio Lower Upper

95 100

174 0.0 0.0 160.8

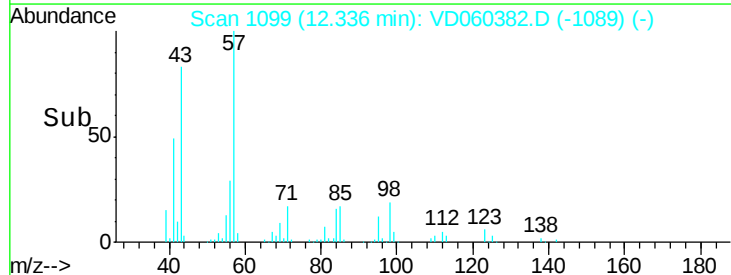
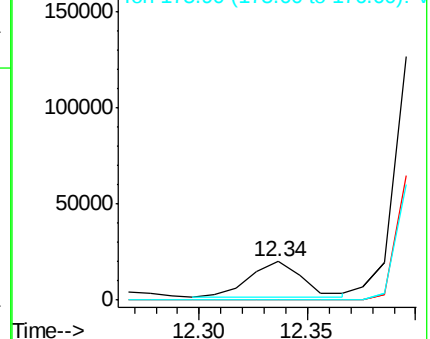
176 0.0 0.0 154.6

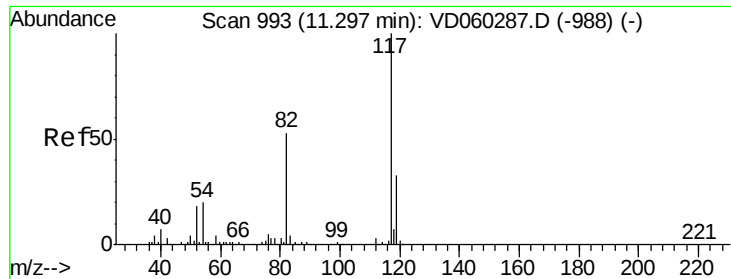


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

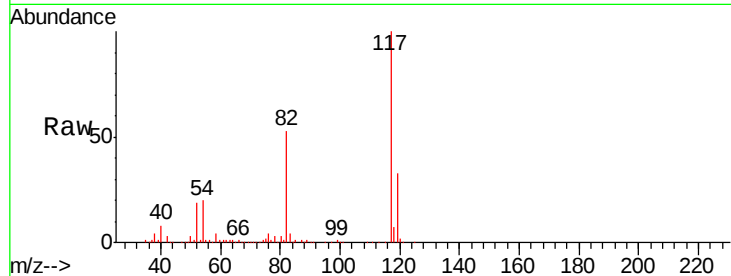




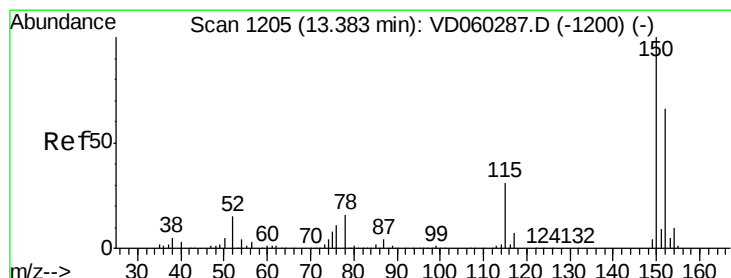
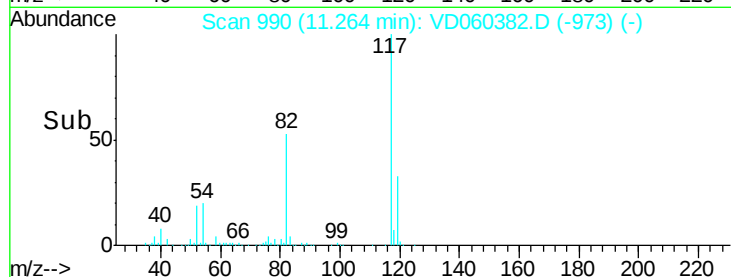
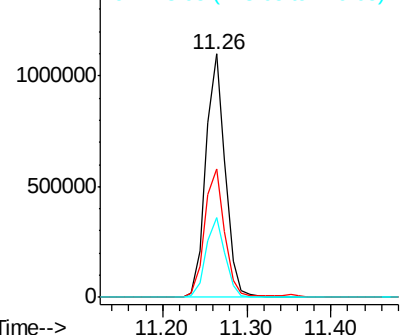
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

Instrument :
MSVOA_D
ClientSampleId :
FDSB-05(25-27)

Tgt Ion:117 Resp: 1749608
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 32.6 26.1 39.1

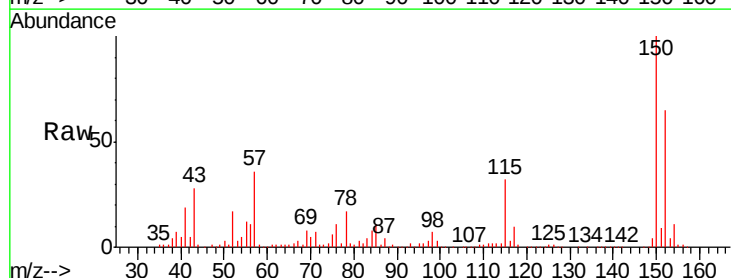


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

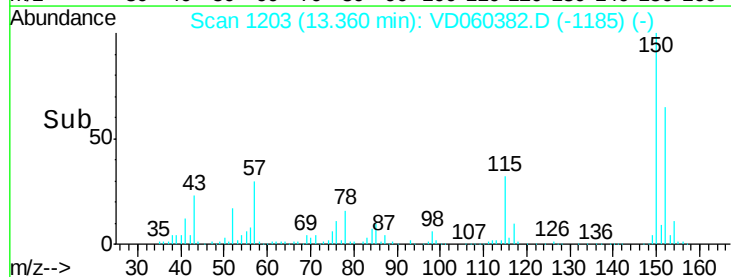
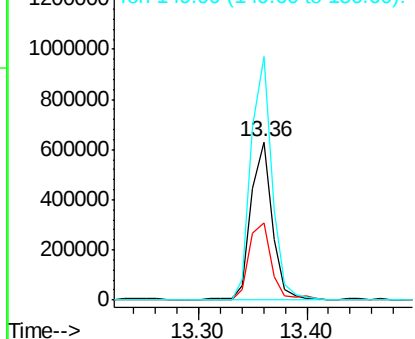


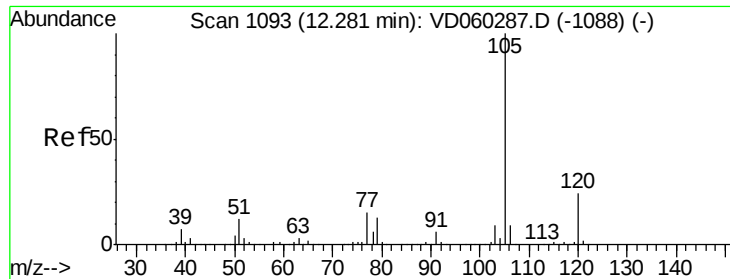
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060382.D
Acq: 14 Nov 2018 16:41

Tgt Ion:152 Resp: 861381
Ion Ratio Lower Upper
152 100
115 49.0 24.1 72.3
150 154.0 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.20 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

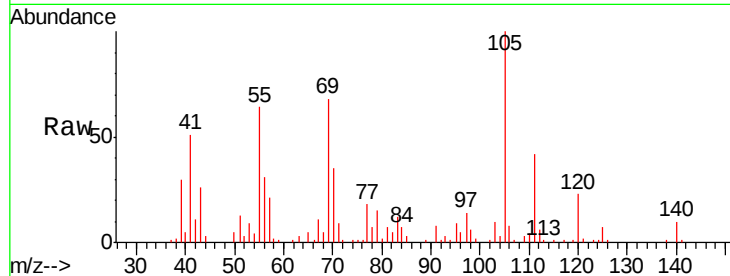
FDSB-05(25-27)

Tgt Ion: 105 Resp: 75530

Ion Ratio Lower Upper

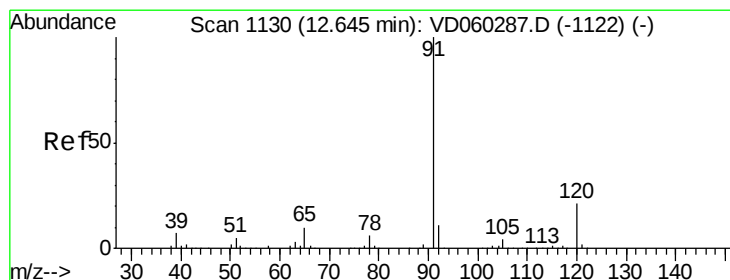
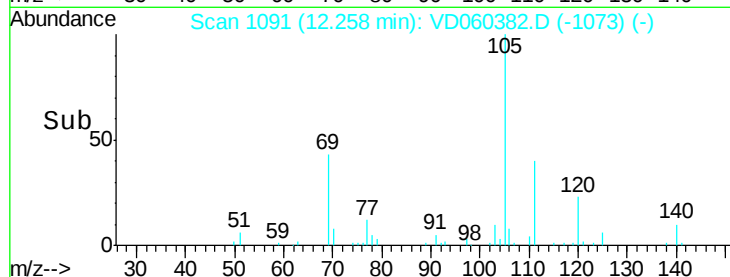
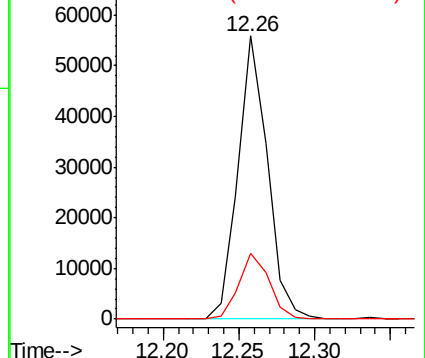
105 100

120 23.3 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 2.97 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060382.D

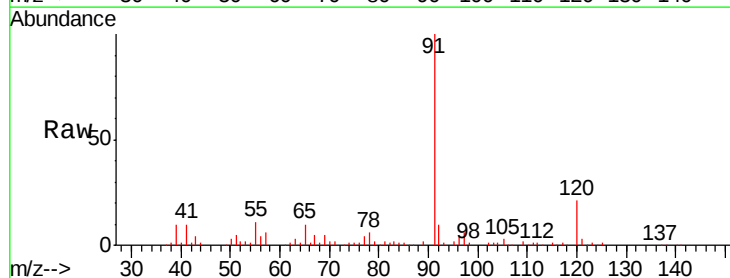
Acq: 14 Nov 2018 16:41

Tgt Ion: 91 Resp: 232351

Ion Ratio Lower Upper

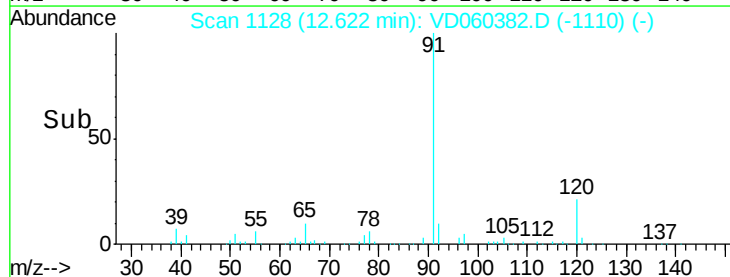
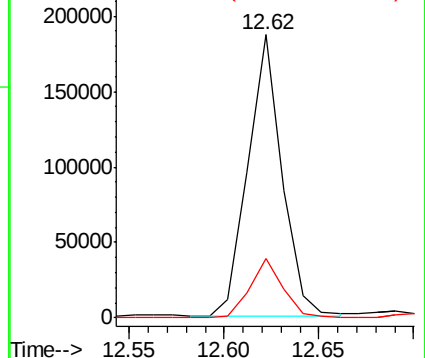
91 100

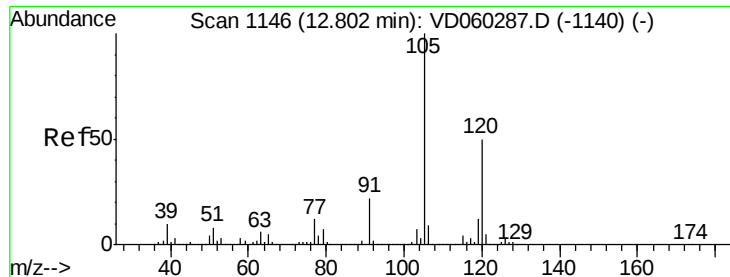
120 20.8 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#80

1,3,5-Trimethylbenzene

Concen: 1.66 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060382.D

Acq: 14 Nov 2018 16:41

Instrument :

MSVOA_D

ClientSampleId :

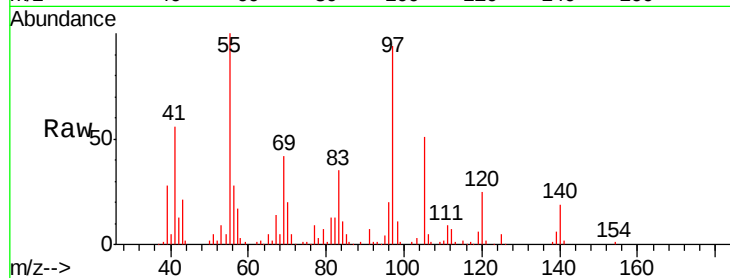
FDSB-05(25-27)

Tgt Ion:105 Resp: 81050

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.78

60000

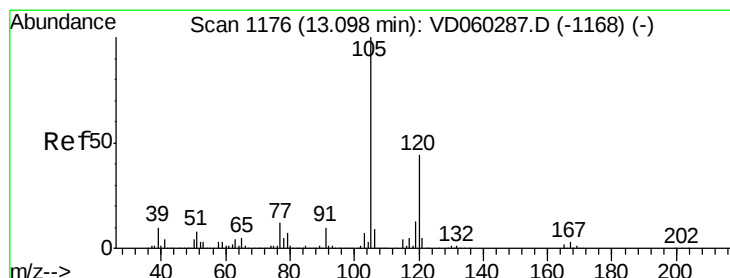
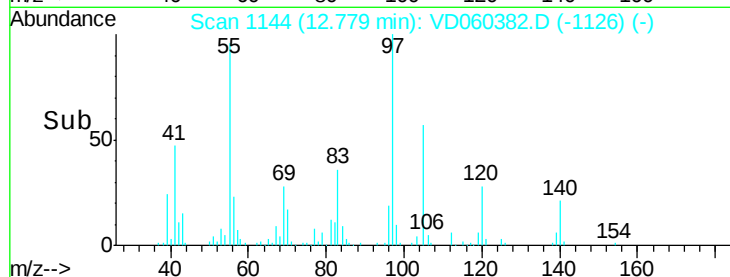
40000

20000

0

12.75 12.80 12.85

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 13.69 ug/l

RT: 13.07 min Scan# 1174

Delta R.T. -0.02 min

Lab File: VD060382.D

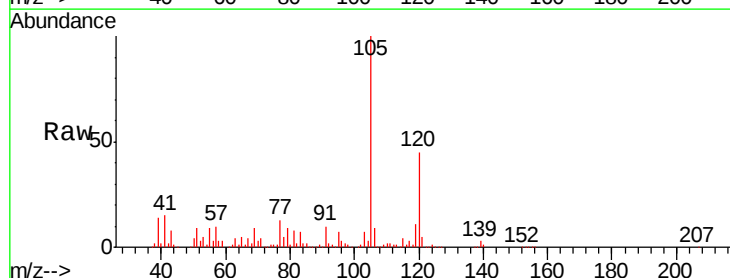
Acq: 14 Nov 2018 16:41

Tgt Ion:105 Resp: 666837

Ion Ratio Lower Upper

105 100

120 44.7 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.07

500000

400000

300000

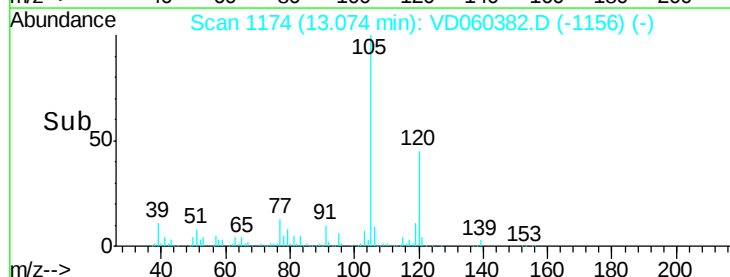
200000

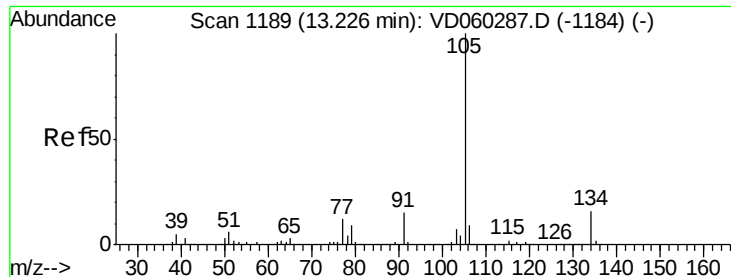
100000

0

13.00 13.10 13.20

Time-->

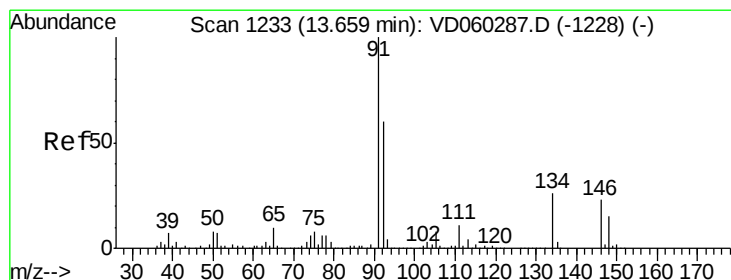
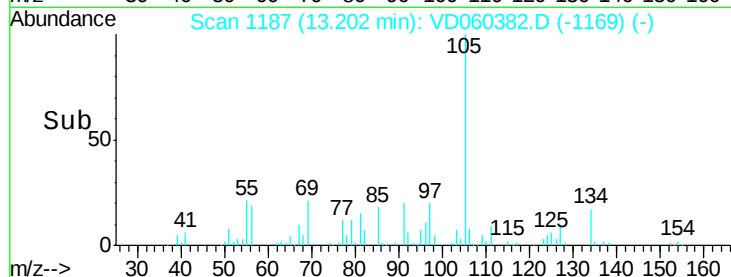
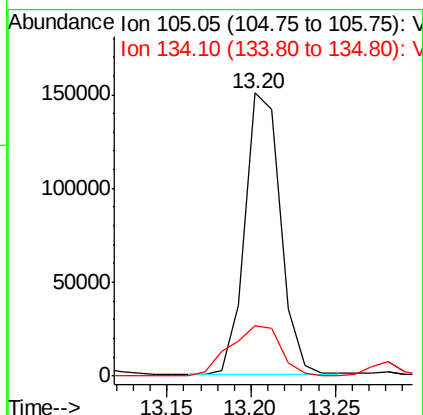
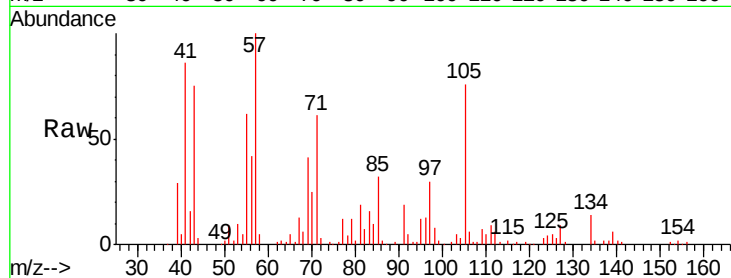




#85
 sec-Butylbenzene
 Concen: 3.30 ug/l
 RT: 13.20 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: VD060382.D
 Acq: 14 Nov 2018 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)

Tgt Ion: 105 Resp: 218918
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.0 24.0



#89
 n-Butylbenzene
 Concen: 5.39 ug/l
 RT: 13.64 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD060382.D
 Acq: 14 Nov 2018 16:41

Tgt Ion: 91 Resp: 375930
 Ion Ratio Lower Upper
 91 100
 92 57.7 30.3 90.9
 134 24.0 13.0 38.9

