

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111618\
 Data File : VD060401.D
 Acq On : 16 Nov 2018 16:39
 Operator : JC/SY
 Sample : J5918-07
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

Quant Time: Nov 17 03:31:17 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	6.42	168	1204363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1789790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1365326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	474224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	325419	37.74	ug/l	0.00
Spiked Amount			Recovery	=	75.48%	
35) Dibromofluoromethane	6.34	113	460354	34.49	ug/l	0.00
Spiked Amount			Recovery	=	68.98%	
50) Toluene-d8	9.47	98	1367008	35.00	ug/l	0.00
Spiked Amount			Recovery	=	70.00%	
62) 4-Bromofluorobenzene	12.44	95	489940	34.61	ug/l	0.00
Spiked Amount			Recovery	=	69.22%	

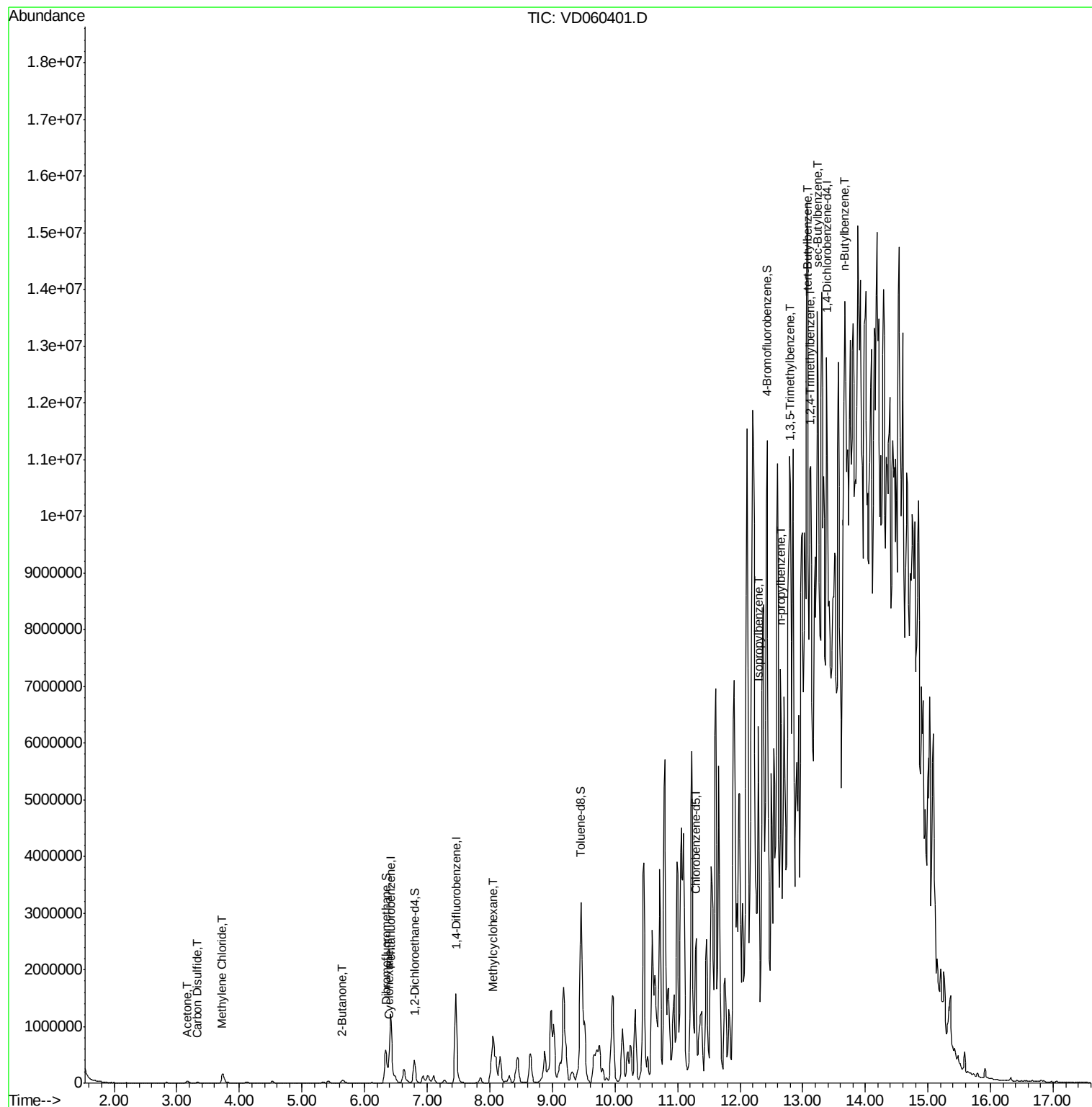
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.17	43	57552	38.475	ug/l #	91
17) Carbon Disulfide	3.33	76	28952	1.526	ug/l #	94
20) Methylene Chloride	3.74	84	107380	8.092	ug/l	97
25) 2-Butanone	5.63	43	40858	13.141	ug/l	100
31) Cyclohexane	6.38	56	81704	3.968	ug/l #	72
39) Methylcyclohexane	8.05	83	456037	22.423	ug/l	97
73) Isopropylbenzene	12.29	105	1504659	43.549	ug/l	99
78) n-propylbenzene	12.65	91	4136779	95.924	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	47289	1.761	ug/l	99
83) tert-Butylbenzene	13.06	119	148578	4.984	ug/l	90
84) 1,2,4-Trimethylbenzene	13.11	105	1208193	45.054	ug/l	95
85) sec-Butylbenzene	13.24	105	2410706	65.913	ug/l	98
89) n-Butylbenzene	13.66	91	2468916	106.210	ug/l	97

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

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FDSB-11(11-13)

Quant Time: Nov 17 03:31:17 2018
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

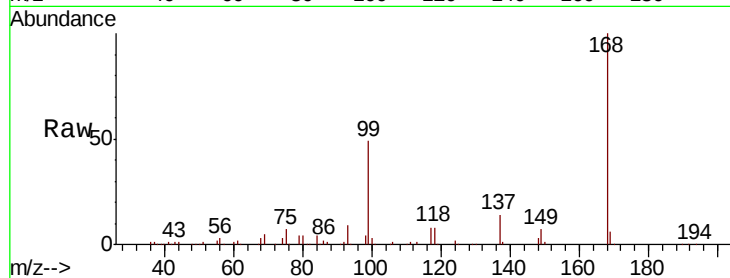
FDSB-11(11-13)

Tot Ion:168 Resp: 1204363

Ion Ratio Lower Upper

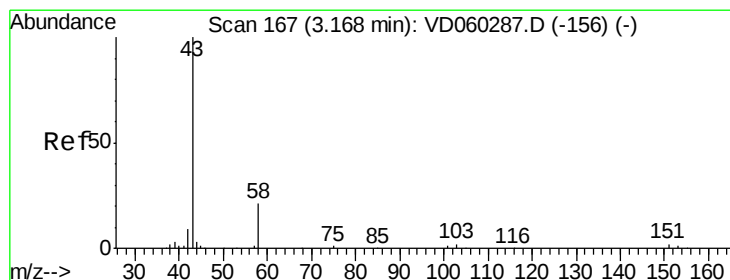
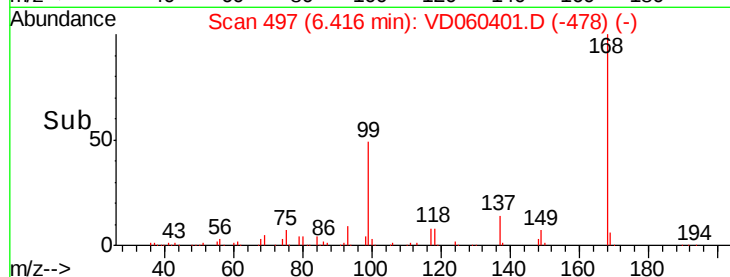
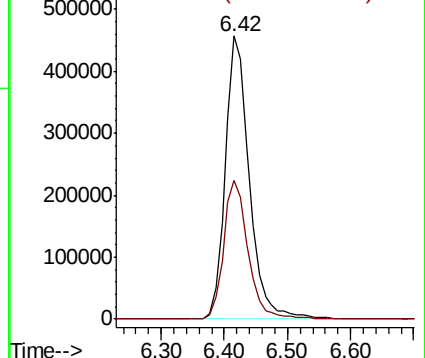
168 100

99 49.1 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: 38.475 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060401.D

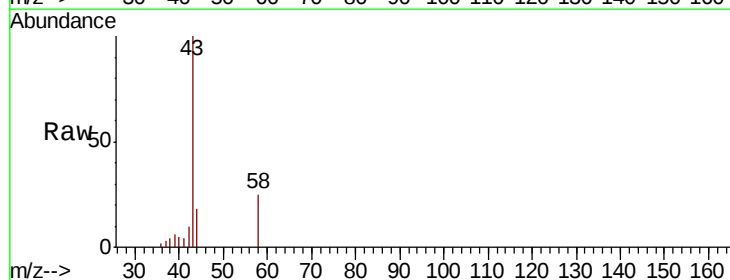
Acq: 16 Nov 2018 16:39

Tgt Ion: 43 Resp: 57552

Ion Ratio Lower Upper

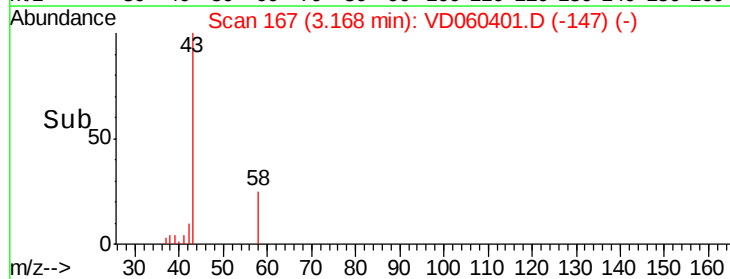
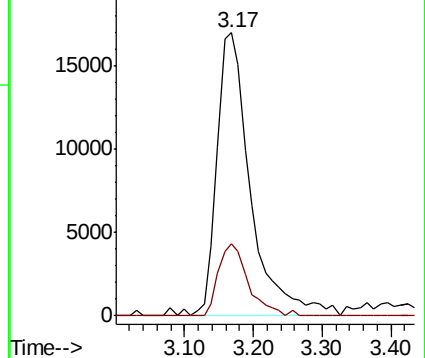
43 100

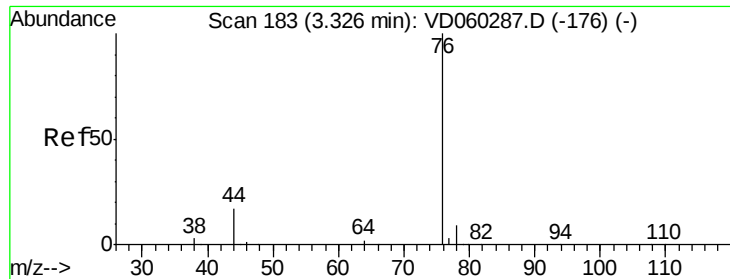
58 25.3 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

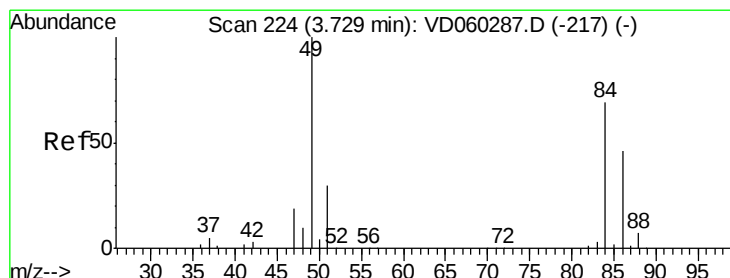
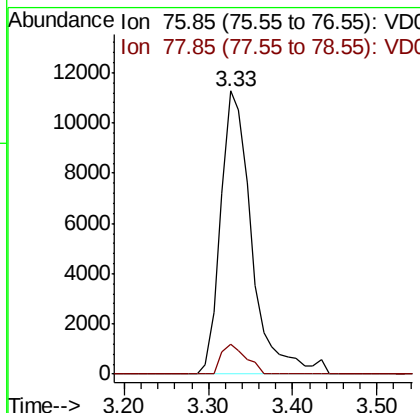
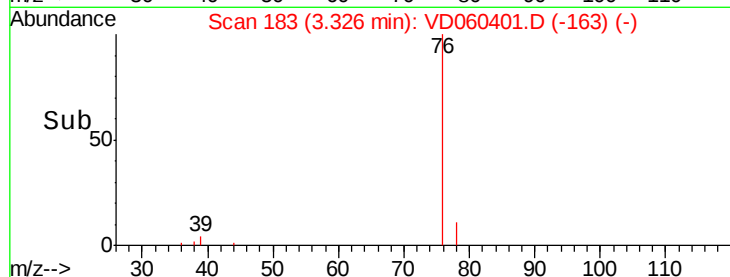
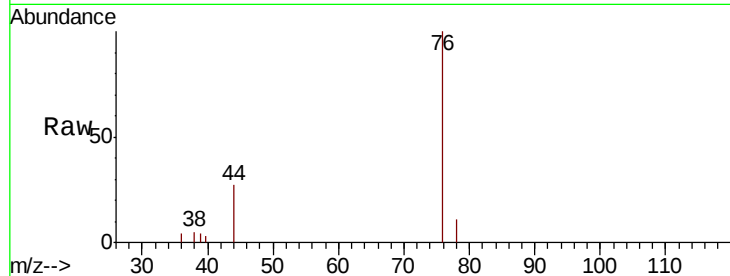




#17
Carbon Disulfide
Concen: 1.526 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

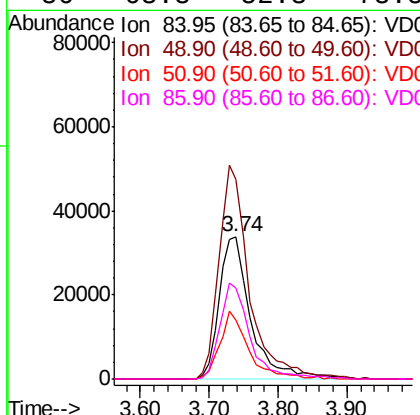
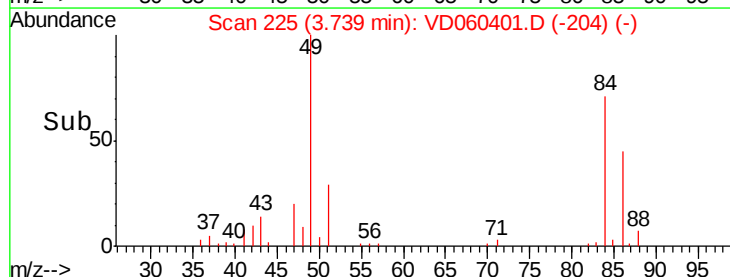
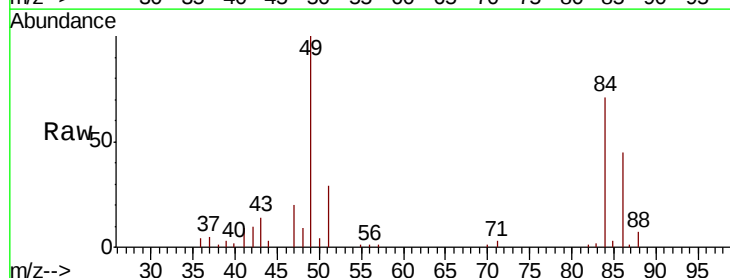
Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

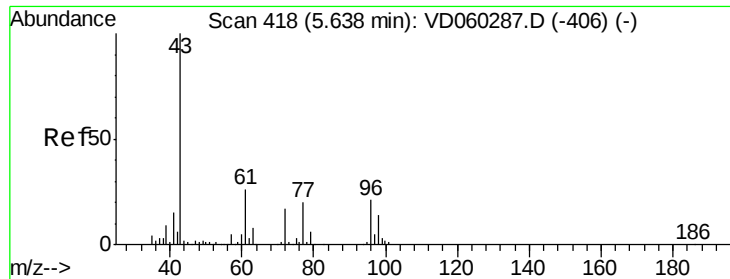
Tot Ion: 76 Resp: 28952
Ion Ratio Lower Upper
76 100
78 10.8 7.0 10.4#



#20
Methylene Chloride
Concen: 8.092 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 84 Resp: 107380
Ion Ratio Lower Upper
84 100
49 140.7 115.6 173.4
51 41.4 35.6 53.4
86 63.8 52.3 78.5





#25

2-Butanone

Concen: 13.141 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

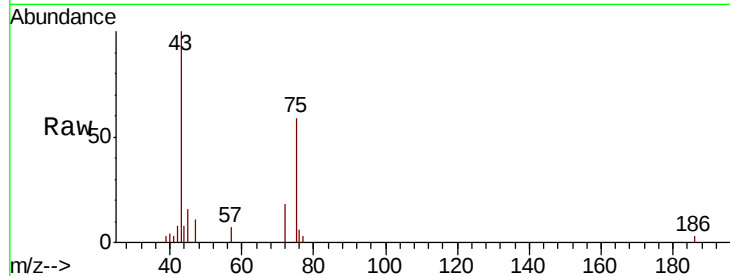
FDSB-11(11-13)

Tot Ion: 43 Resp: 40858

Ion Ratio Lower Upper

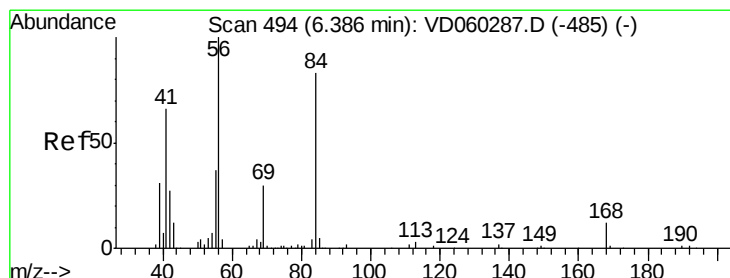
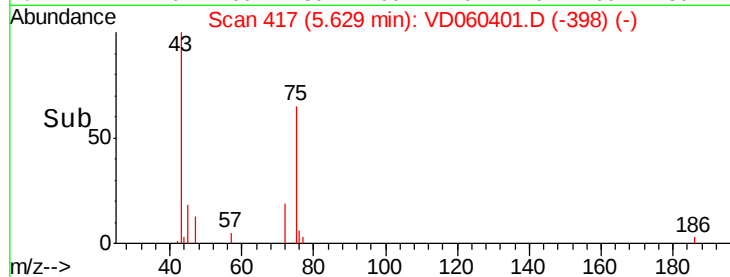
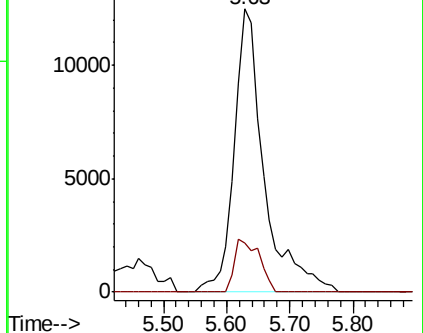
43 100

72 17.5 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 3.968 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

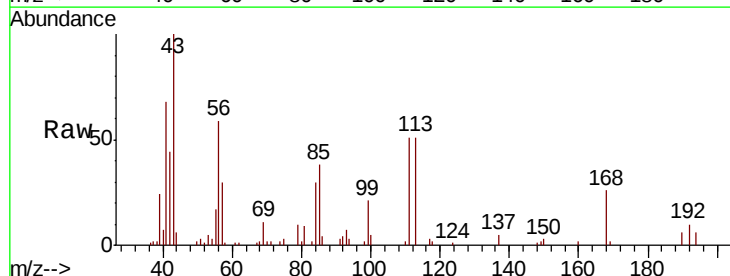
Tgt Ion: 56 Resp: 81704

Ion Ratio Lower Upper

56 100

69 19.3 22.2 33.2#

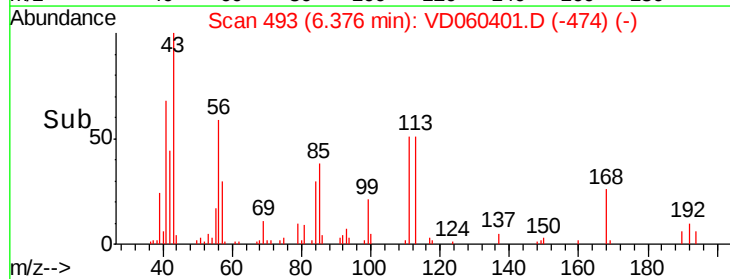
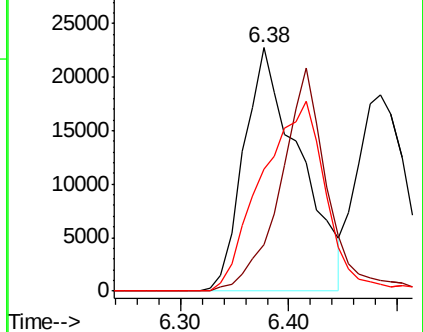
84 50.0 63.0 94.4#

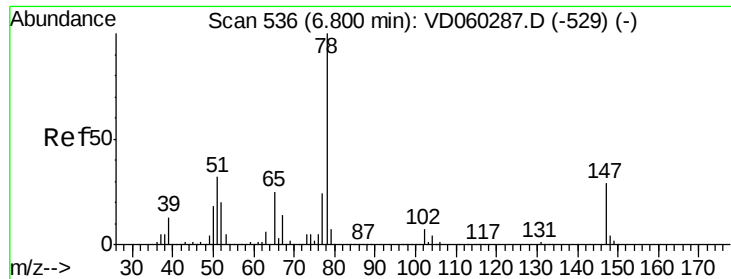


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

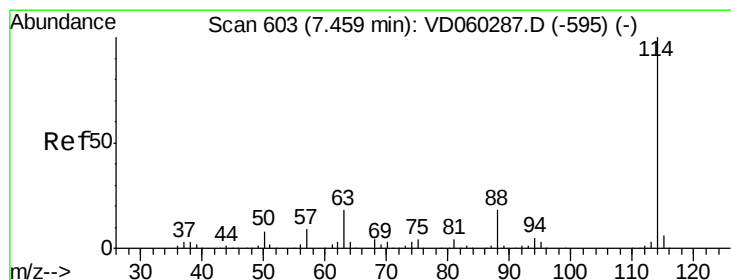
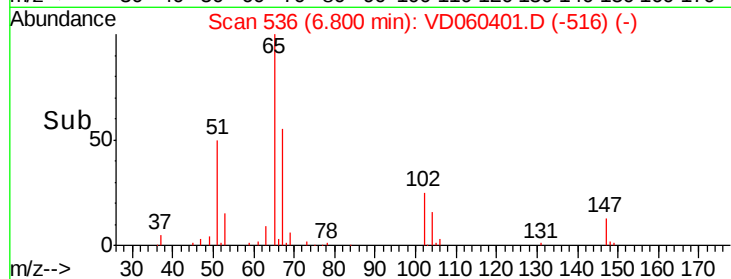
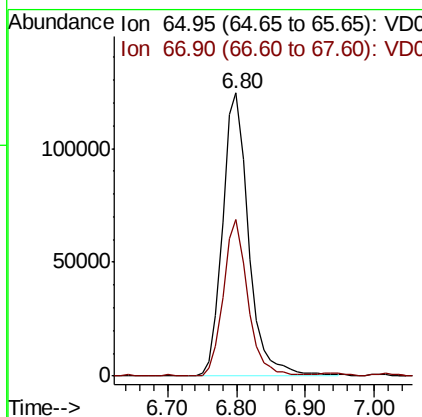
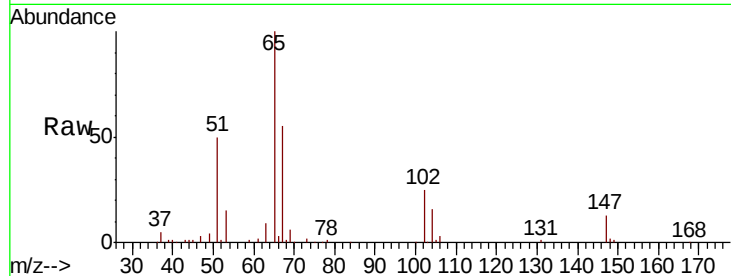




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

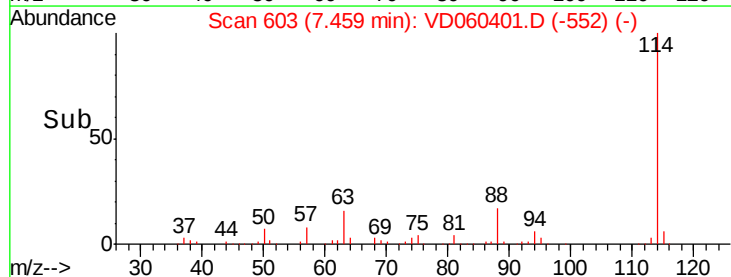
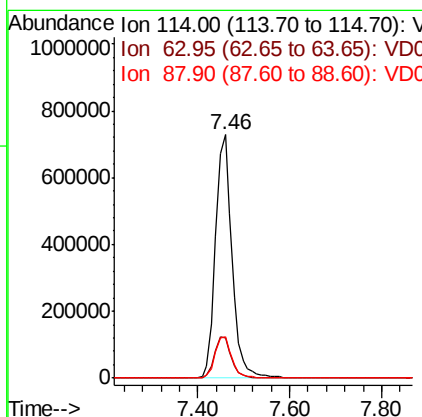
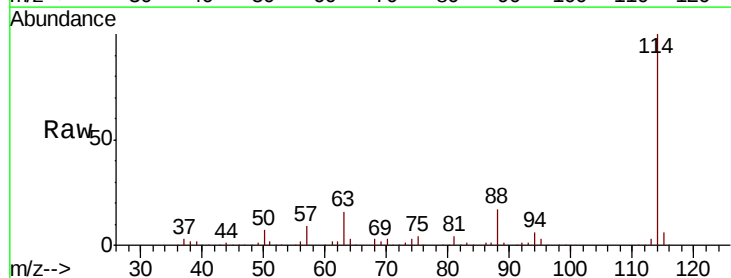
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-11(11-13)

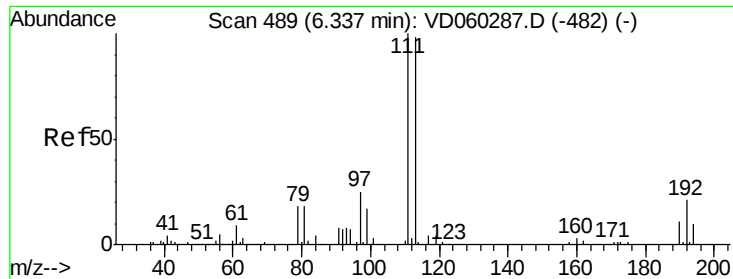
Tot Ion: 65 Resp: 325419
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060401.D
 Acq: 16 Nov 2018 16:39

Tgt Ion: 114 Resp: 1789790
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 34.0
 88 17.0 0.0 35.4

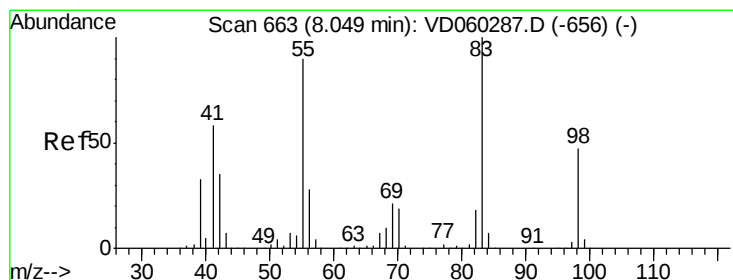
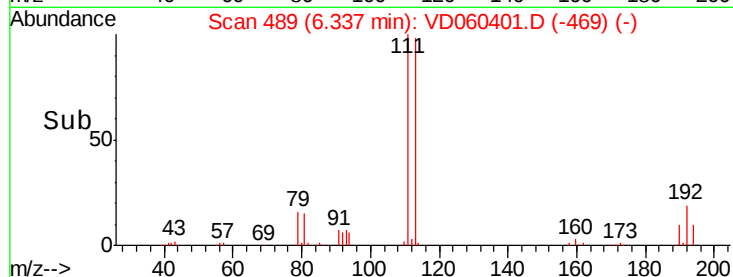
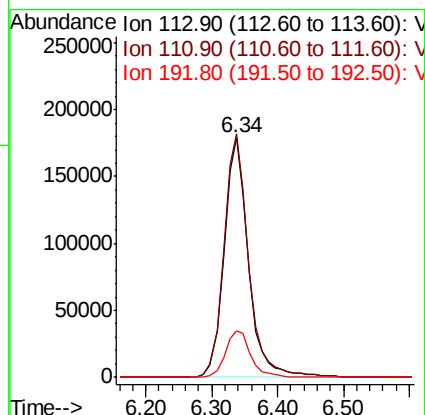
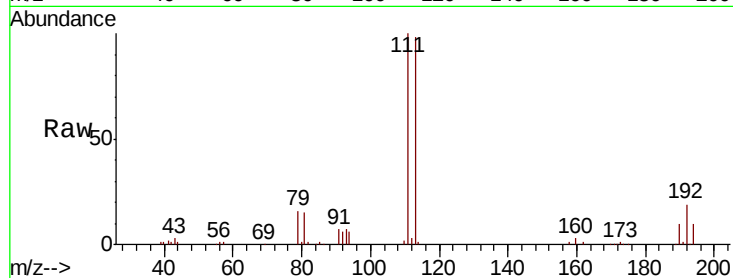




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

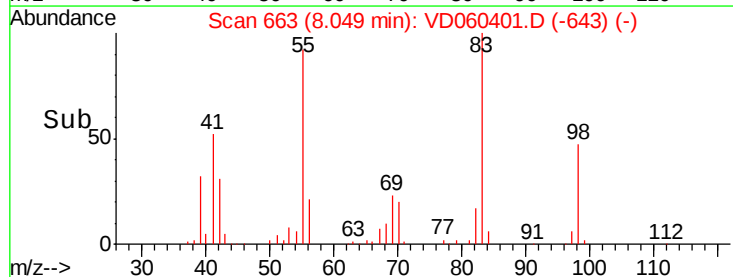
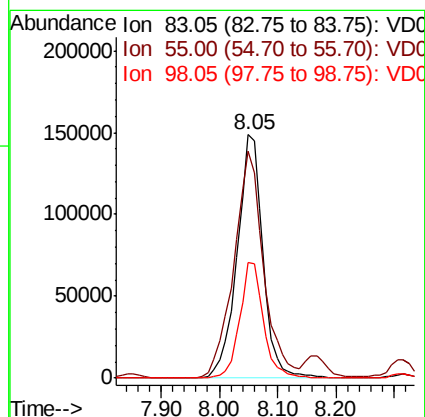
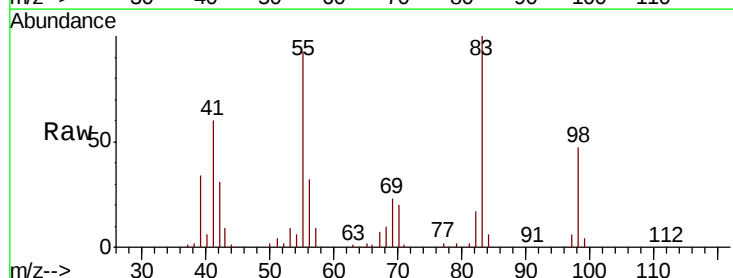
Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

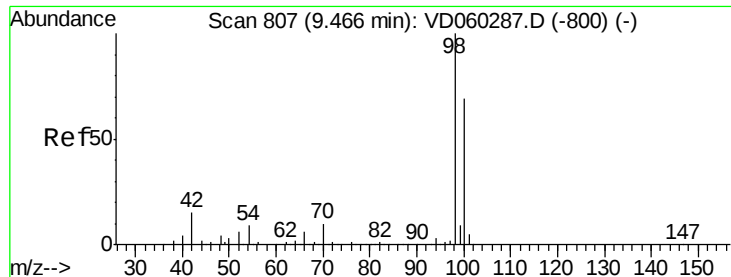
Tot Ion:113 Resp: 460354
Ion Ratio Lower Upper
113 100
111 101.7 81.6 122.4
192 19.5 16.5 24.7



#39
Methylcyclohexane
Concen: 22.423 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion: 83 Resp: 456037
Ion Ratio Lower Upper
83 100
55 93.3 71.2 106.8
98 47.4 38.4 57.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

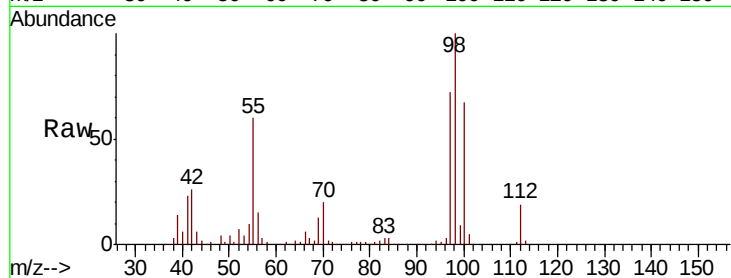
FDSB-11(11-13)

Tot Ion: 98 Resp: 1367008

Ion Ratio Lower Upper

98 100

100 66.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.47

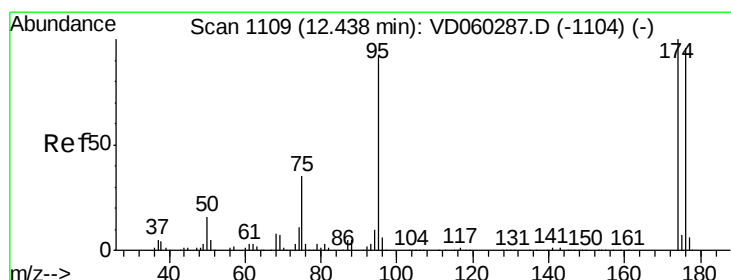
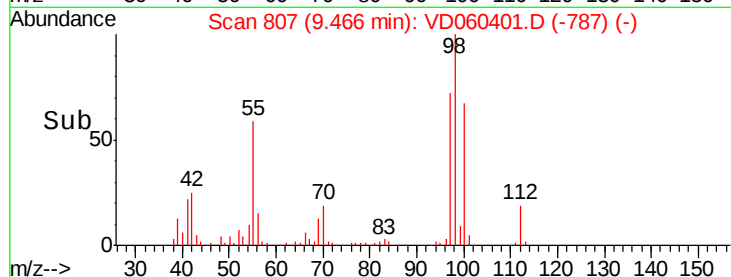
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

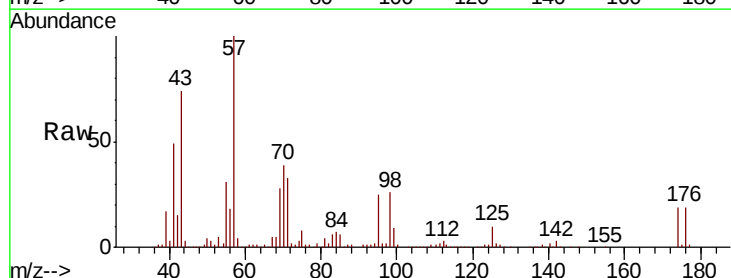
Tgt Ion: 95 Resp: 489940

Ion Ratio Lower Upper

95 100

174 77.6 0.0 160.8

176 78.7 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

12.44

400000

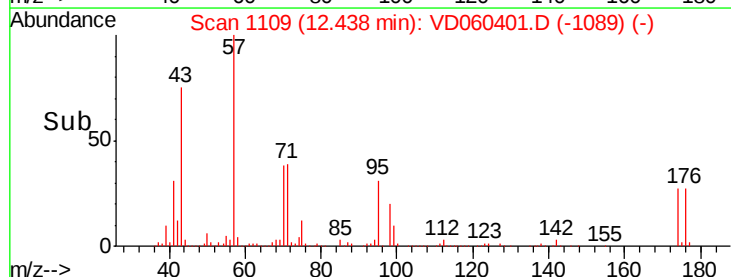
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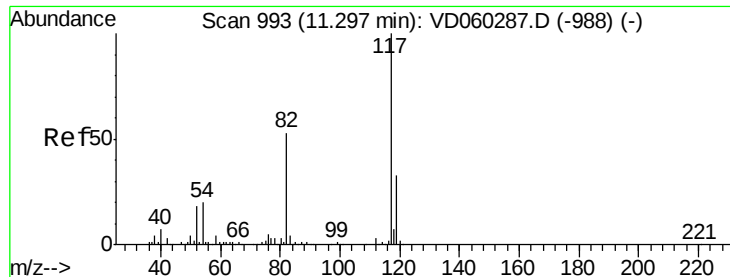
200000

100000

0

Time-->

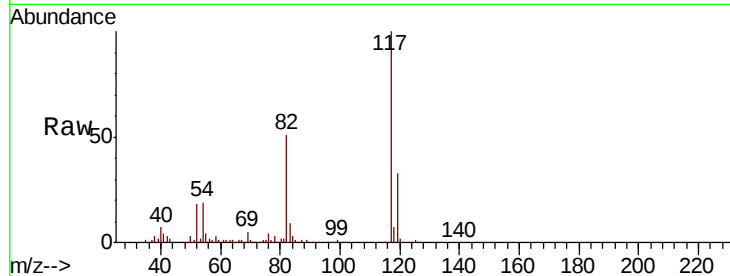




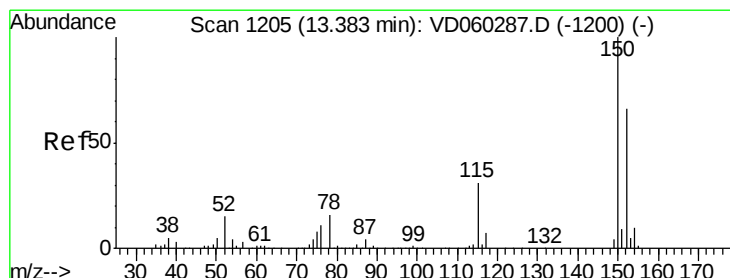
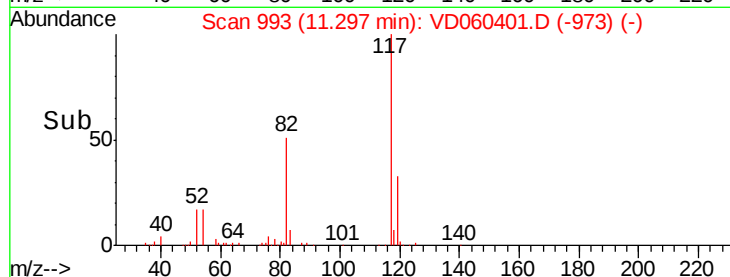
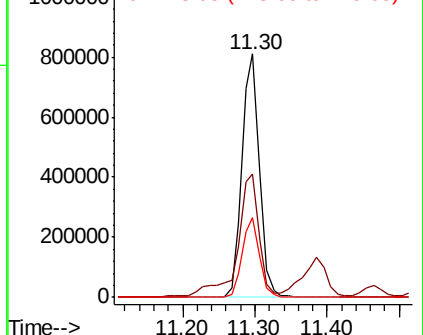
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

Tot Ion:117 Resp: 1365326
Ion Ratio Lower Upper
117 100
82 50.8 43.7 65.5
119 32.6 26.1 39.1

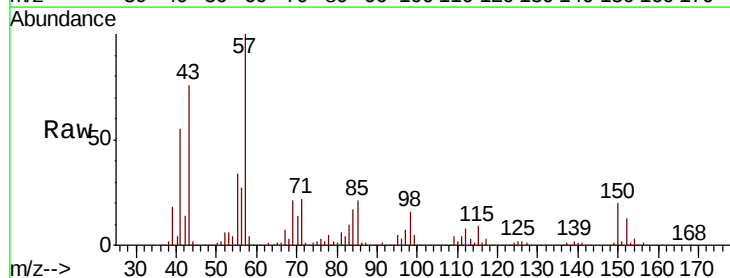


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

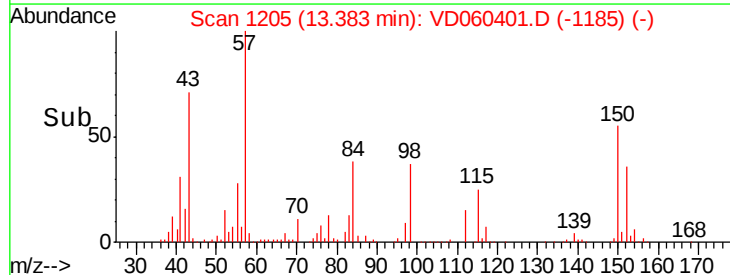
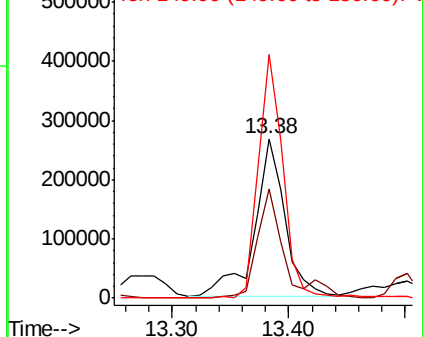


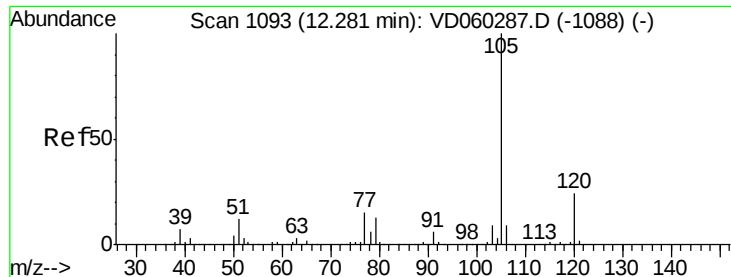
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion:152 Resp: 474224
Ion Ratio Lower Upper
152 100
115 68.1 24.1 72.3
150 152.5 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: 43.549 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

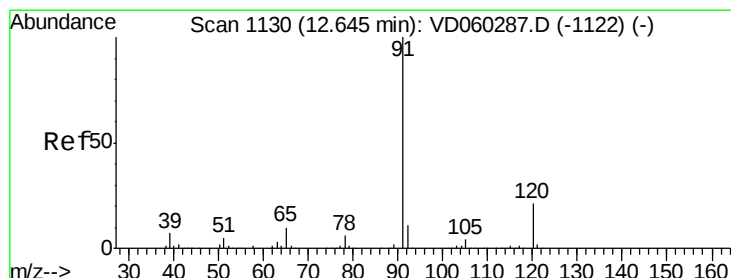
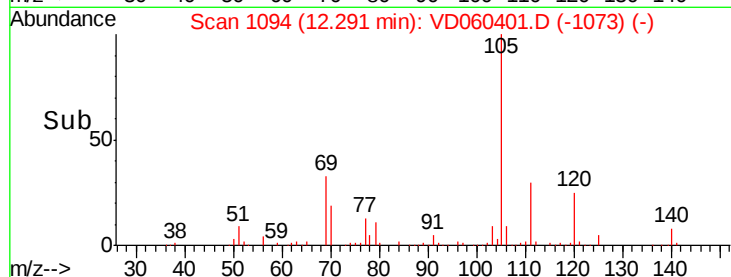
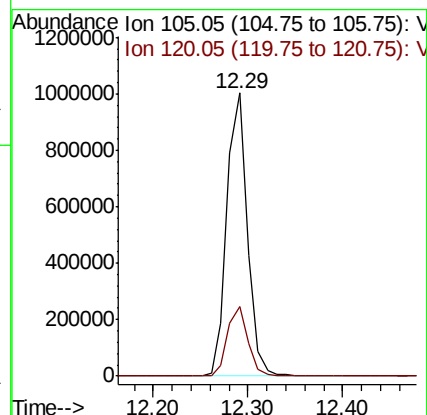
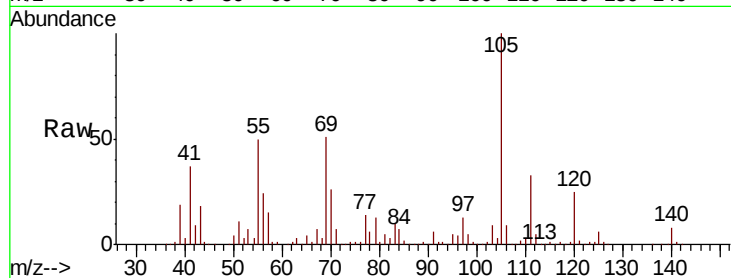
FDSB-11(11-13)

Tot Ion:105 Resp: 1504659

Ion Ratio Lower Upper

105 100

120 24.6 12.1 36.3



#78

n-propylbenzene

Concen: 95.924 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060401.D

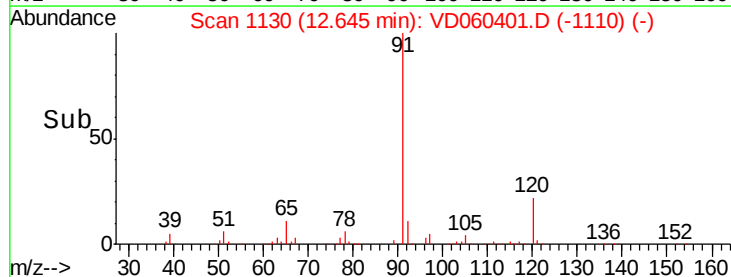
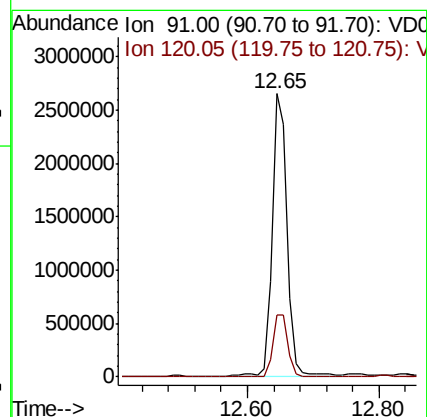
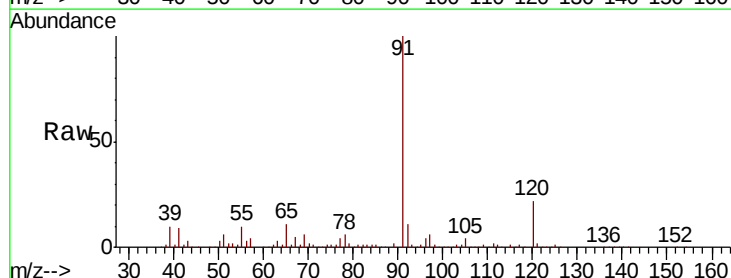
Acq: 16 Nov 2018 16:39

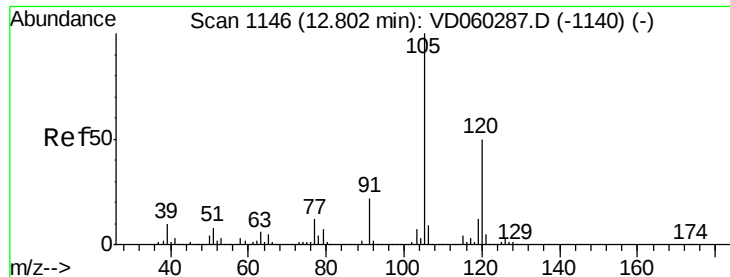
Tgt Ion: 91 Resp: 4136779

Ion Ratio Lower Upper

91 100

120 21.8 10.4 31.4





#80

1,3,5-Trimethylbenzene

Concen: 1.761 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

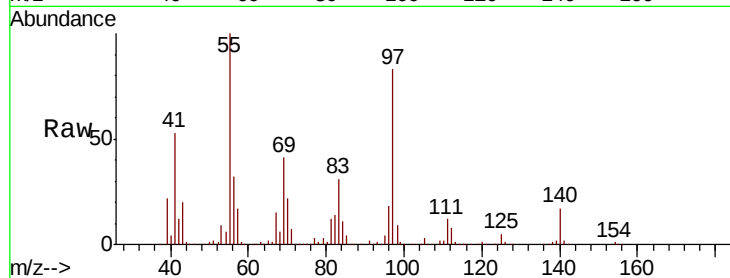
FDSB-11(11-13)

Tot Ion:105 Resp: 47289

Ion Ratio Lower Upper

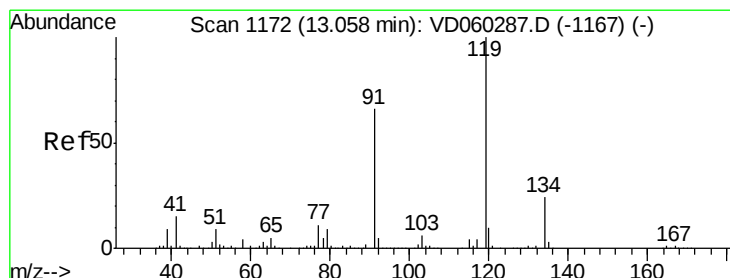
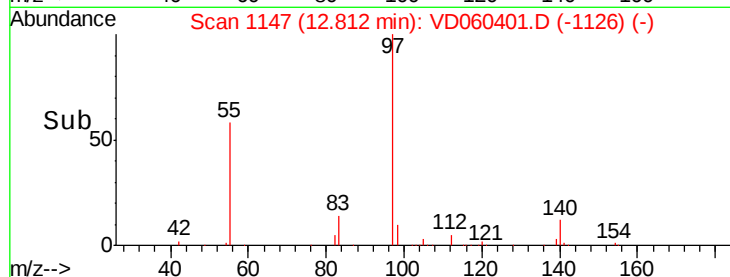
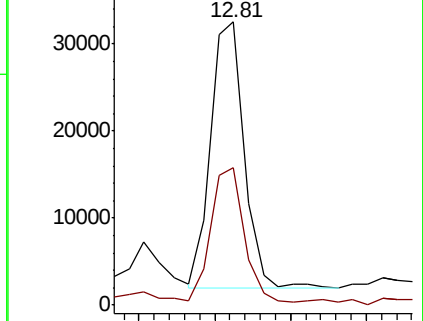
105 100

120 48.4 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#83

tert-Butylbenzene

Concen: 4.984 ug/l

RT: 13.06 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

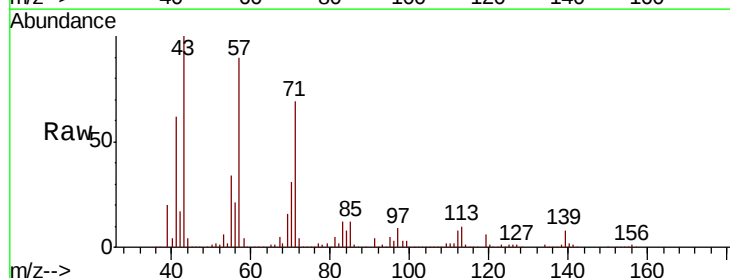
Tgt Ion:119 Resp: 148578

Ion Ratio Lower Upper

119 100

91 74.3 32.7 98.1

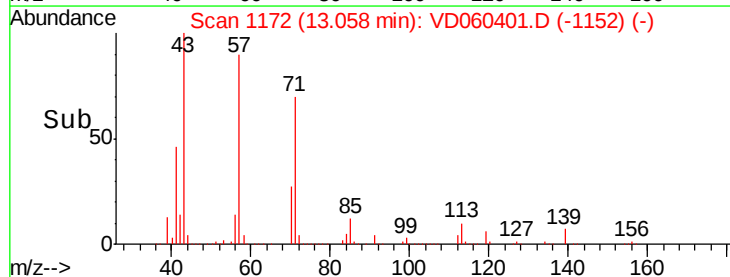
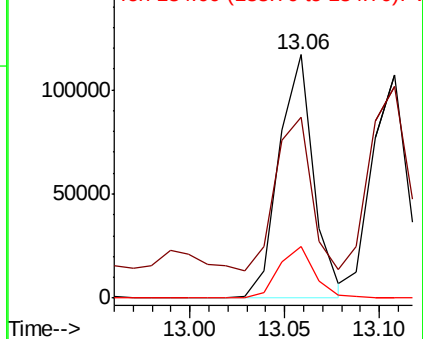
134 21.1 12.1 36.3

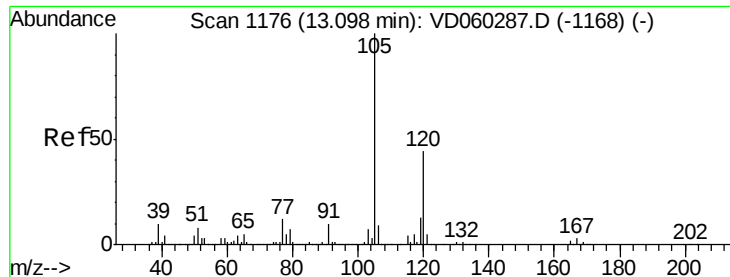


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

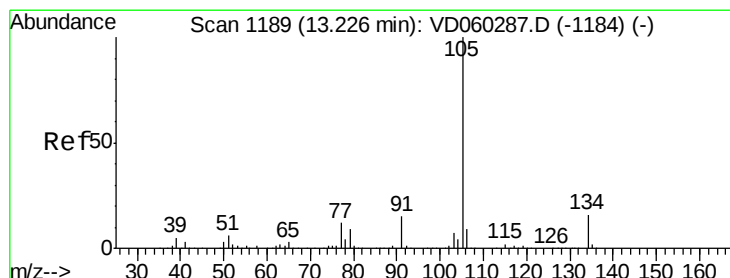
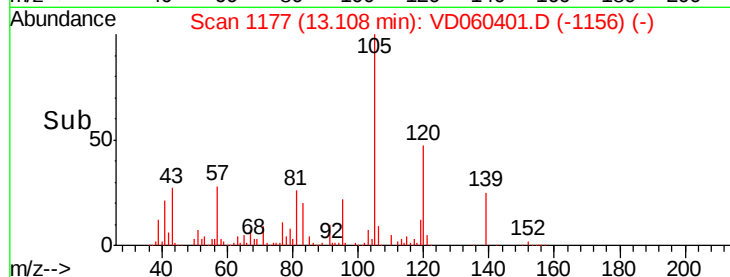
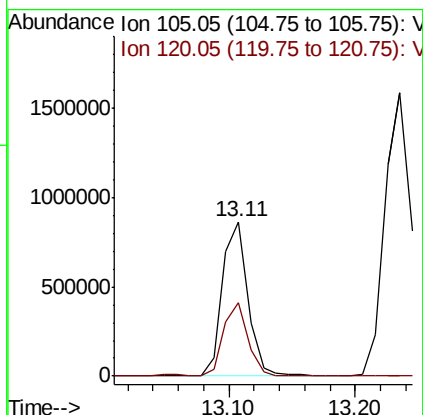
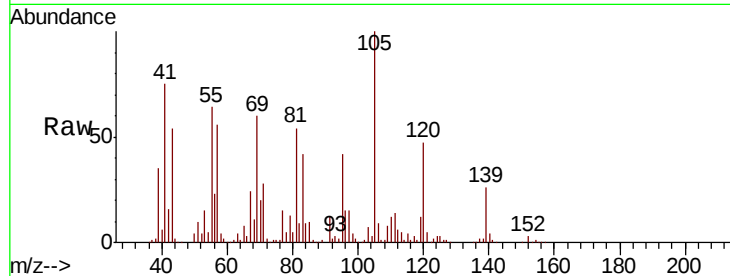




#84
1,2,4-Trimethylbenzene
Concen: 45.054 ug/l
RT: 13.11 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

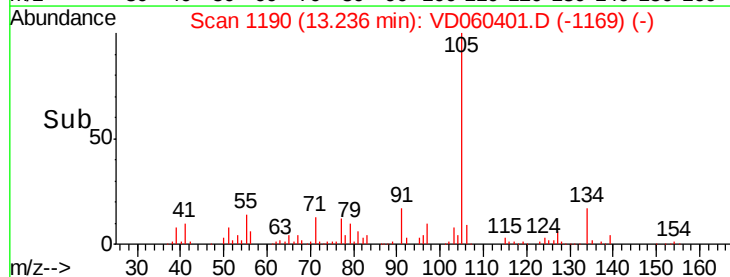
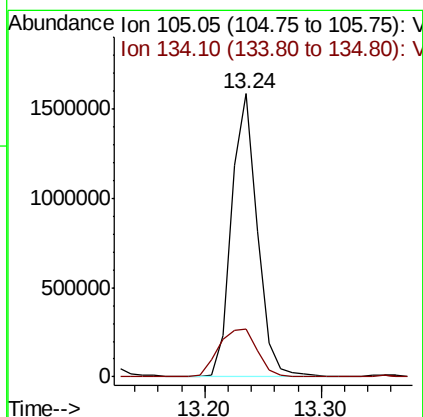
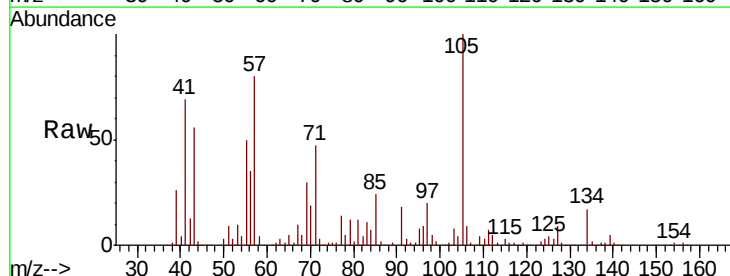
Instrument :
MSVOA_D
ClientSampleId :
FDSB-11(11-13)

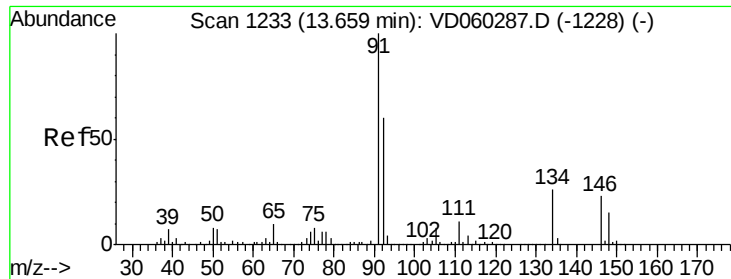
Tot Ion:105 Resp: 1208193
Ion Ratio Lower Upper
105 100
120 47.2 21.9 65.8



#85
sec-Butylbenzene
Concen: 65.913 ug/l
RT: 13.24 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD060401.D
Acq: 16 Nov 2018 16:39

Tgt Ion:105 Resp: 2410706
Ion Ratio Lower Upper
105 100
134 16.8 8.0 24.0





#89

n-Butylbenzene

Concen: 106.210 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD060401.D

Acq: 16 Nov 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

FDSB-11(11-13)

Tot Ion: 91 Resp: 2468916

Ion Ratio Lower Upper

91 100

92 57.8 30.3 90.9

134 25.4 13.0 38.9

