

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112018\
 Data File : VD060426.D
 Acq On : 20 Nov 2018 13:53
 Operator : JC/SY
 Sample : J5967-03
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-14(5.5-7.5)

Quant Time: Nov 20 14:45:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	5987	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	9616	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	8702	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	4528	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	3724	86.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	173.74%	
35) Dibromofluoromethane	6.31	113	3774	52.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	9.46	98	8434	40.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.38%	
62) 4-Bromofluorobenzene	12.43	95	3304	43.45	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.90%	

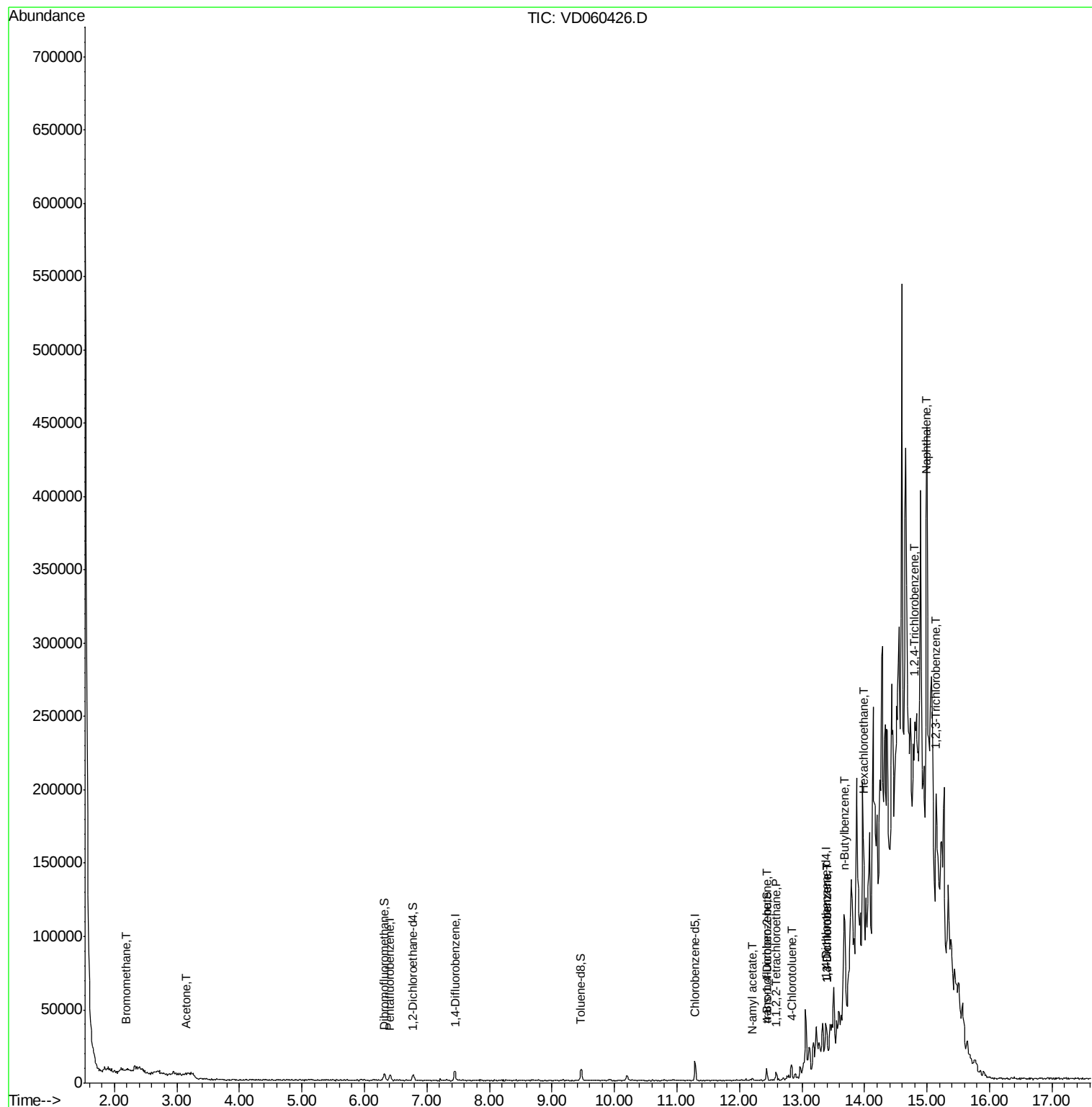
Target Compounds						Qvalue
5) Bromomethane	2.19	94	247	22.48	ug/l #	2
16) Acetone	3.14	43	404	54.33	ug/l #	55
74) N-amyl acetate	12.21	43	675	7.98	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	12.58	83	207	3.84	ug/l #	25
81) trans-1,4-Dichloro-2-buten	12.43	75	1319	85.53	ug/l #	15
82) 4-Chlorotoluene	12.82	91	260	1.03	ug/l #	45
87) 1,3-Dichlorobenzene	13.40	146	282	1.81	ug/l #	1
88) 1,4-Dichlorobenzene	13.40	146	282	1.85	ug/l #	1
89) n-Butylbenzene	13.67	91	1840	4.94	ug/l #	29
90) Hexachloroethane	13.99	117	269	4.03	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.79	180	828	8.16	ug/l #	50
95) Naphthalene	14.97	128	307	2.48	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.14	180	1255	15.43	ug/l #	42

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

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

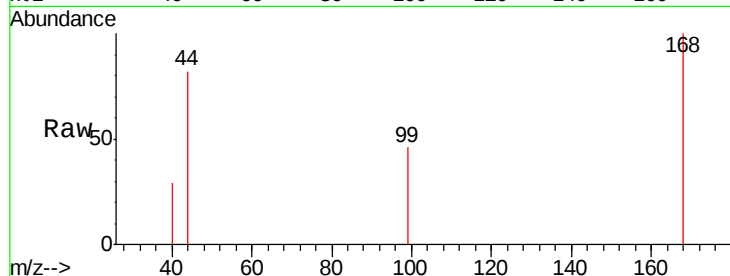
FDSB-14(5.5-7.5)

Tgt Ion:168 Resp: 5987

Ion Ratio Lower Upper

168 100

99 45.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

2500

2000

1500

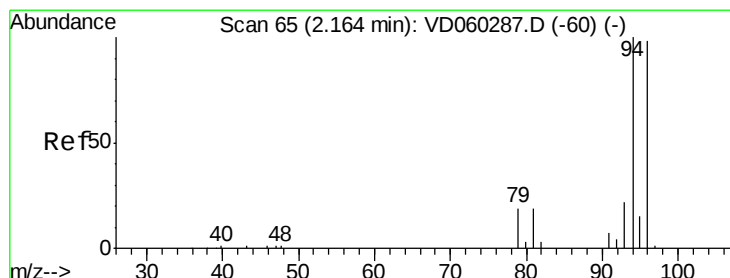
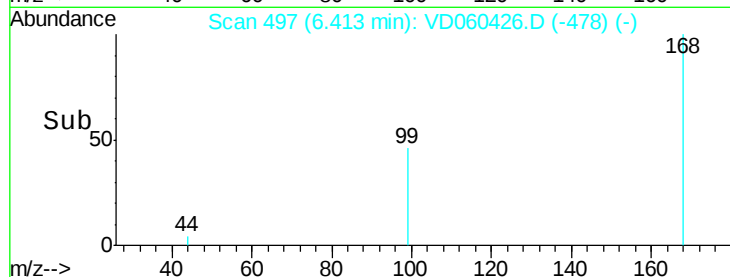
1000

500

0

6.35 6.40 6.45 6.50

Time-->



#5

Bromomethane

Concen: 22.48 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.03 min

Lab File: VD060426.D

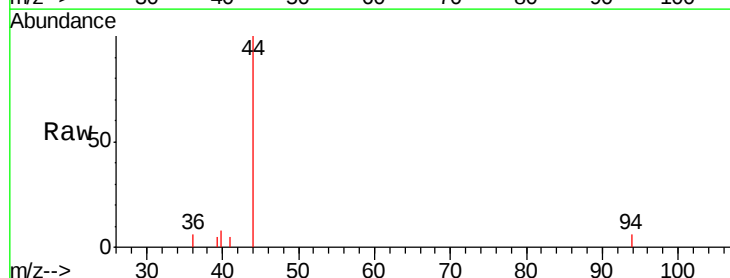
Acq: 20 Nov 2018 13:53

Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

94 100

96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.19

500

400

300

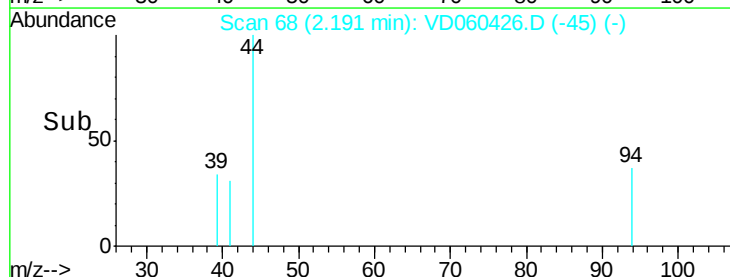
200

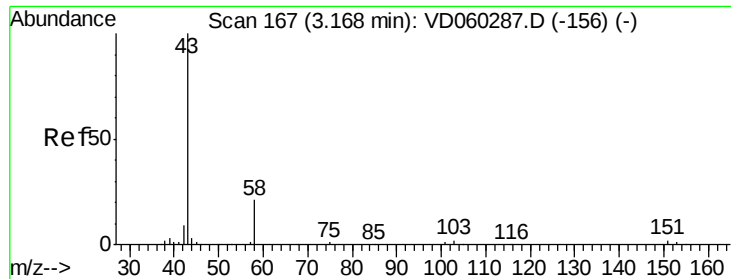
100

0

2.16 2.18 2.20 2.22

Time-->





#16

Acetone

Concen: 54.33 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

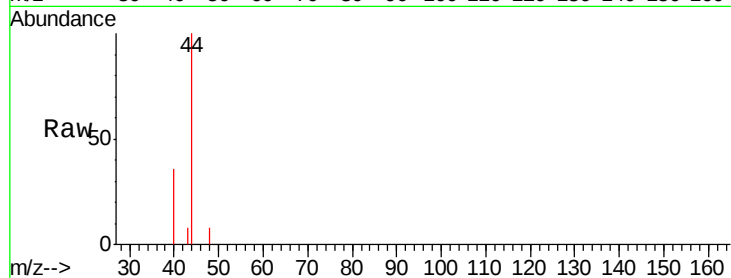
FDSB-14(5.5-7.5)

Tgt Ion: 43 Resp: 404

Ion Ratio Lower Upper

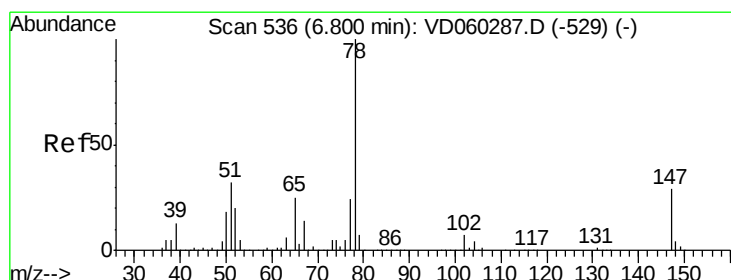
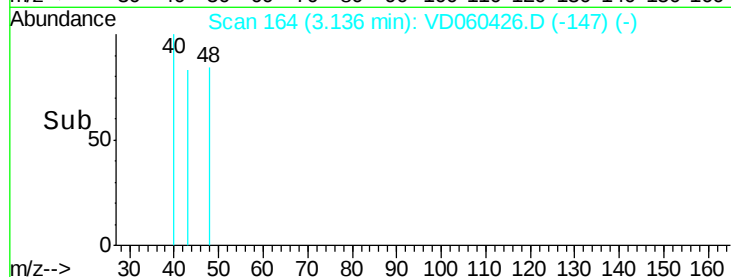
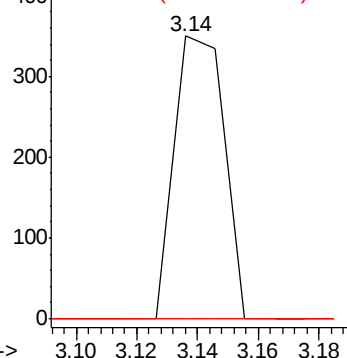
43 100

58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060426.D

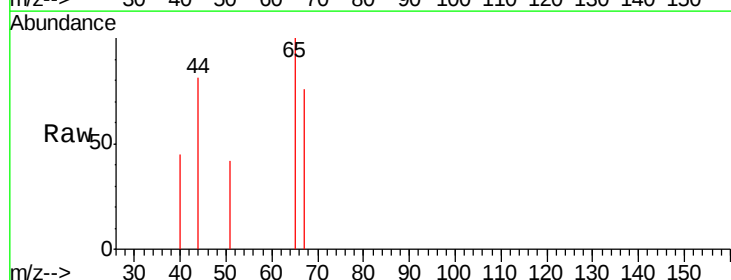
Acq: 20 Nov 2018 13:53

Tgt Ion: 65 Resp: 3724

Ion Ratio Lower Upper

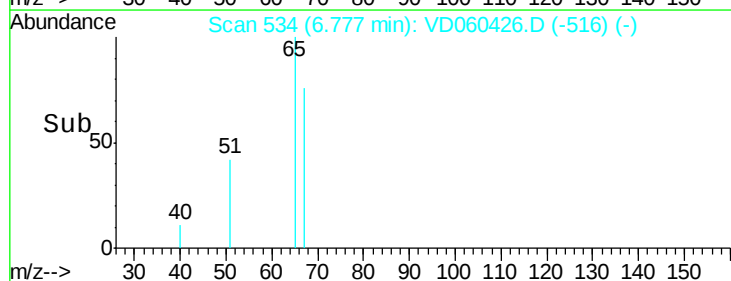
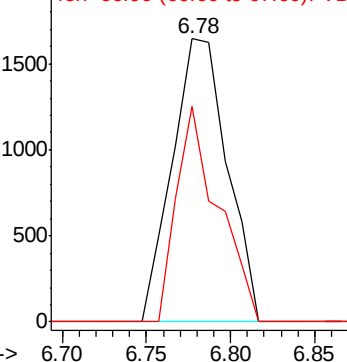
65 100

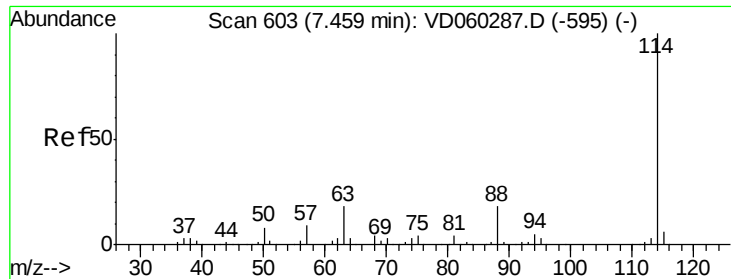
67 76.0 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

FDSB-14(5.5-7.5)

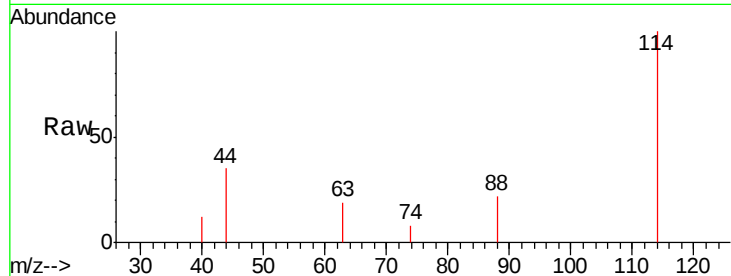
Tgt Ion:114 Resp: 9616

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

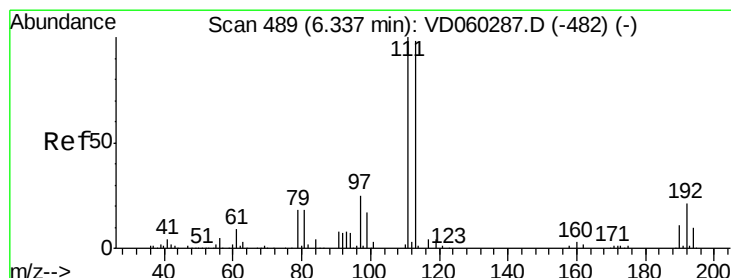
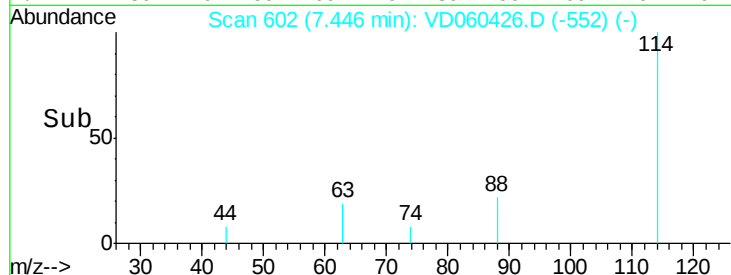
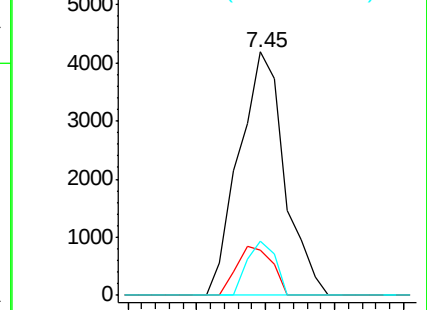
88 22.4 0.0 35.4



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



#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

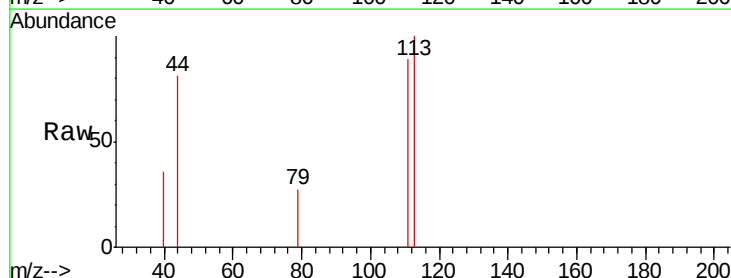
Tgt Ion:113 Resp: 3774

Ion Ratio Lower Upper

113 100

111 89.3 81.6 122.4

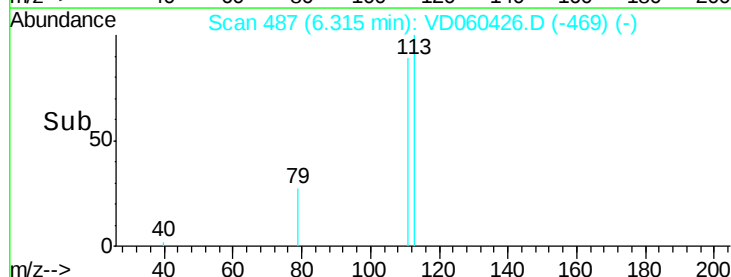
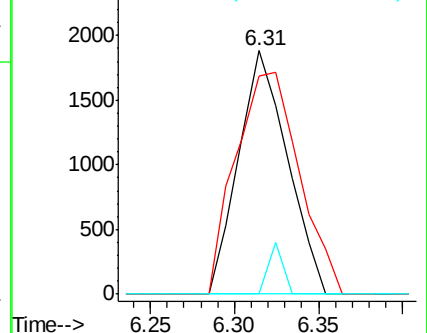
192 0.0 16.5 24.7#

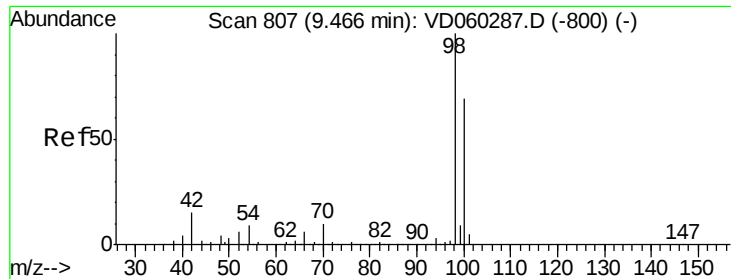


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

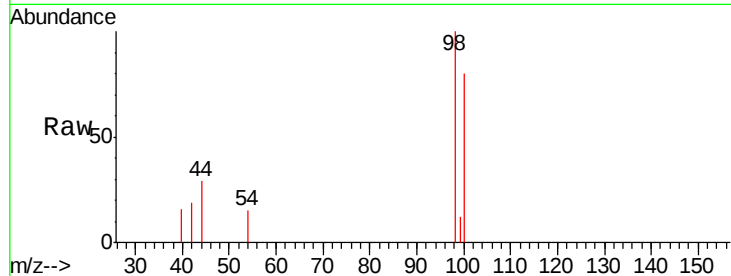
FDSB-14(5.5-7.5)

Tgt Ion: 98 Resp: 8434

Ion Ratio Lower Upper

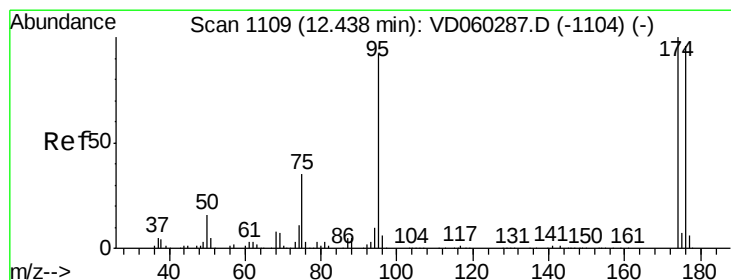
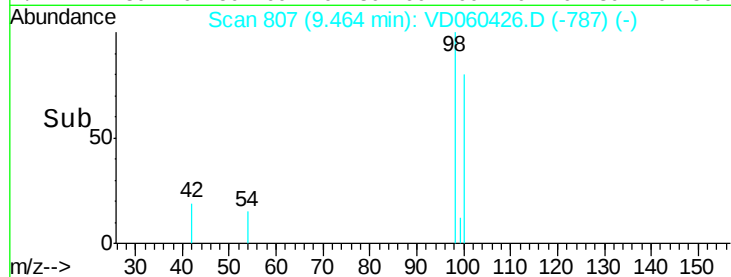
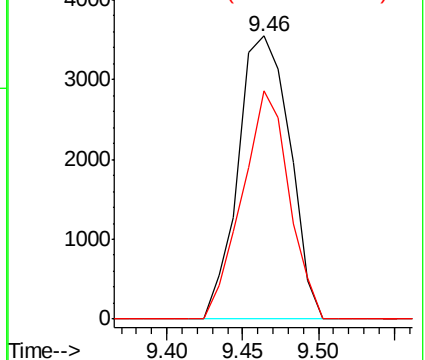
98 100

100 80.5 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: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

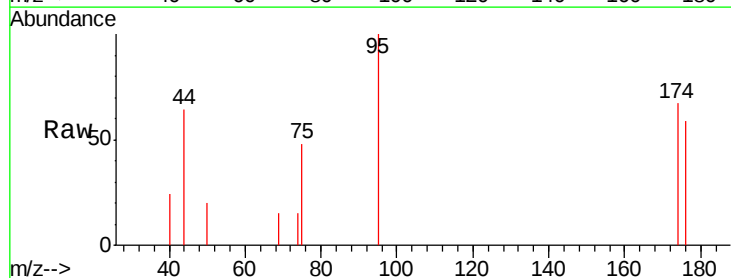
Tgt Ion: 95 Resp: 3304

Ion Ratio Lower Upper

95 100

174 67.4 0.0 160.8

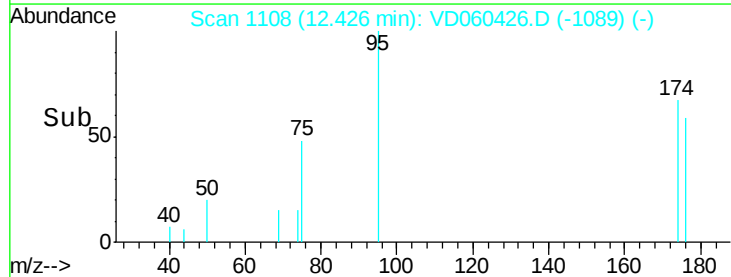
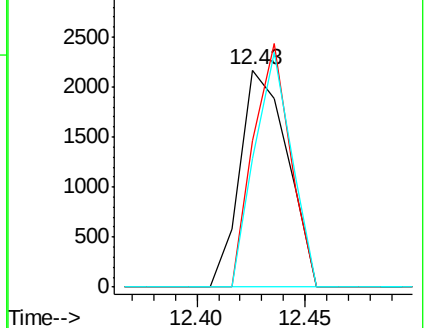
176 59.5 0.0 154.6

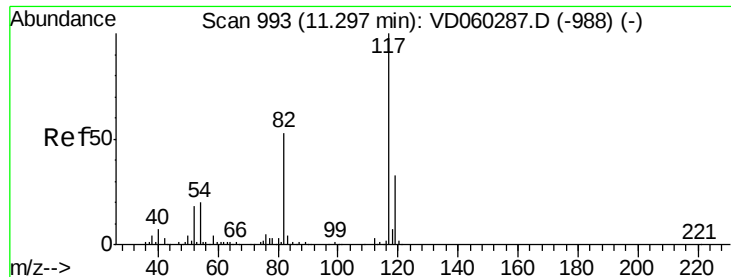


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

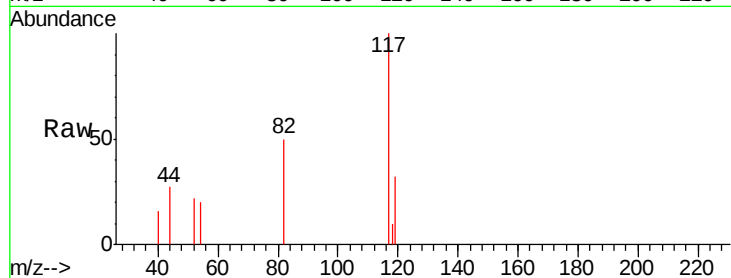




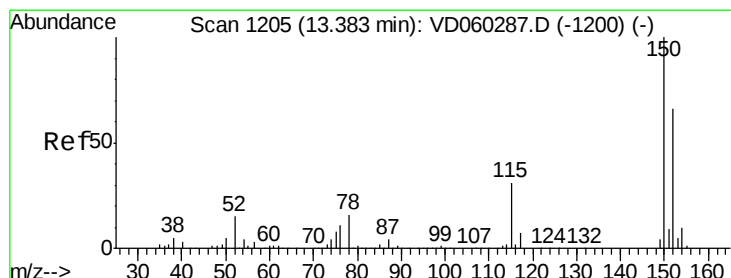
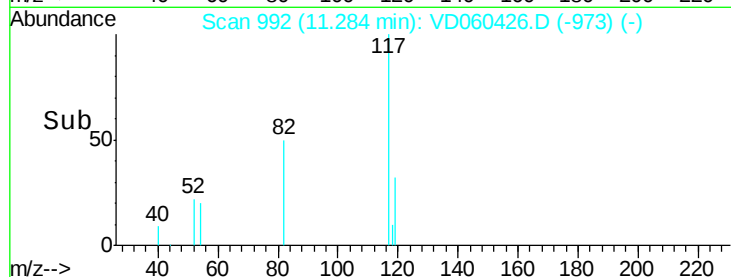
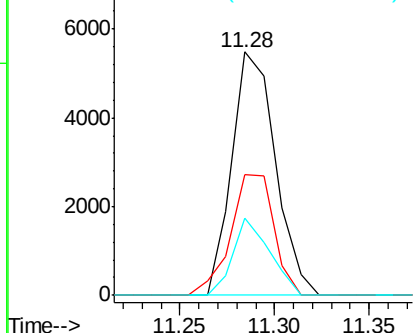
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060426.D
Acq: 20 Nov 2018 13:53

Instrument :
MSVOA_D
ClientSampleId :
FDSB-14(5.5-7.5)

Tgt Ion:117 Resp: 8702
Ion Ratio Lower Upper
117 100
82 49.8 43.7 65.5
119 31.9 26.1 39.1

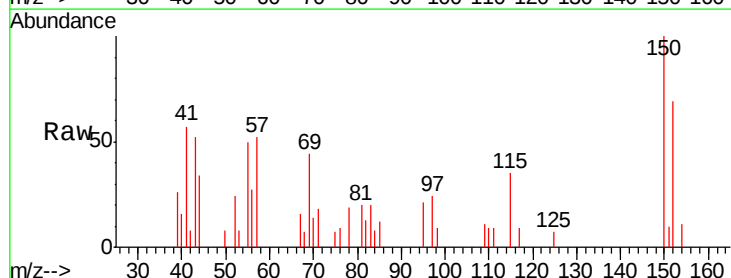


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

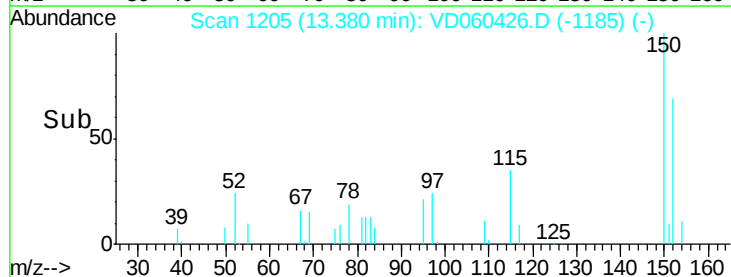
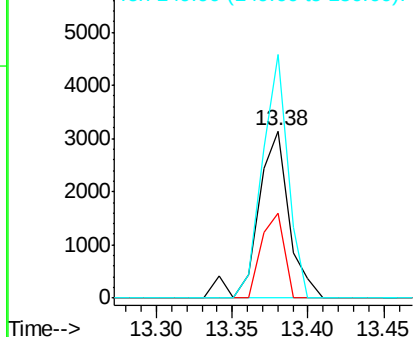


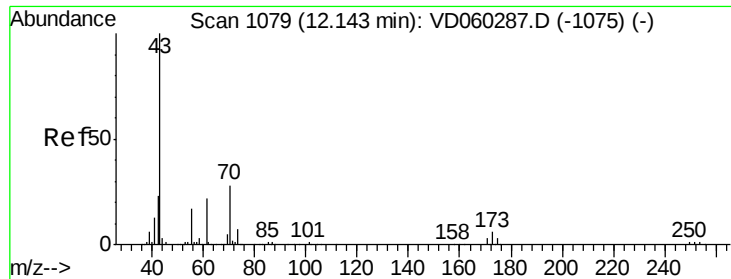
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060426.D
Acq: 20 Nov 2018 13:53

Tgt Ion:152 Resp: 4528
Ion Ratio Lower Upper
152 100
115 51.0 24.1 72.3
150 145.5 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





#74

N-ethyl acetate

Concen: 7.98 ug/l

RT: 12.21 min Scan# 1086

Delta R.T. 0.07 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

FDSB-14(5.5-7.5)

Tgt Ion: 43 Resp: 675

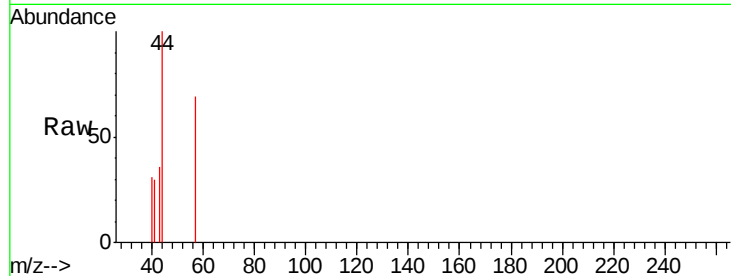
Ion Ratio Lower Upper

43 100

70 0.0 23.0 34.4#

55 0.0 14.2 21.4#

61 0.0 17.8 26.8#

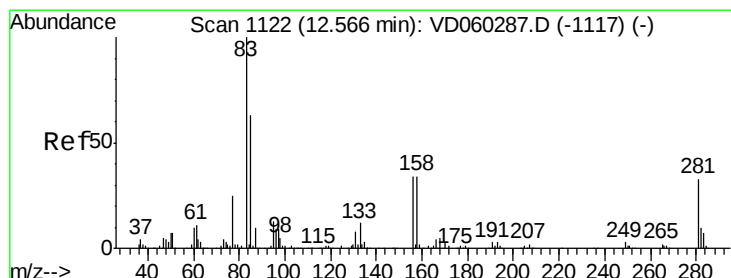
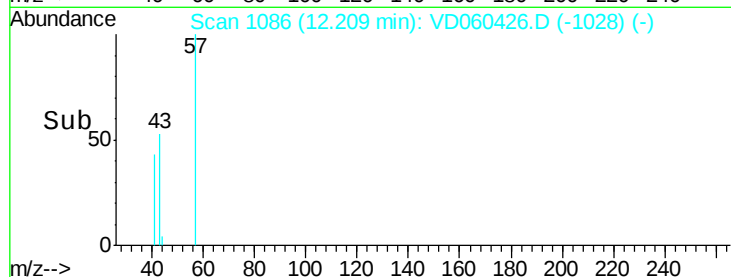
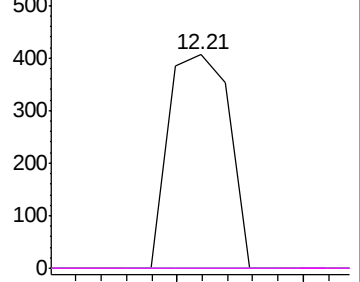


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 3.84 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

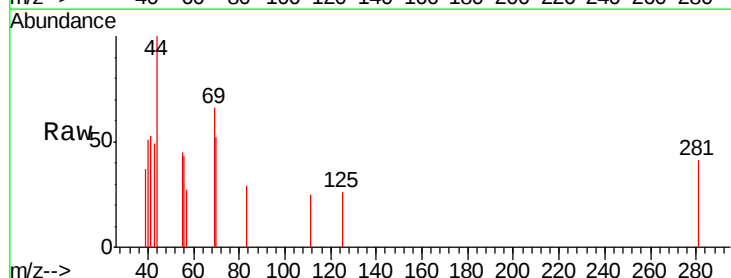
Tgt Ion: 83 Resp: 207

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

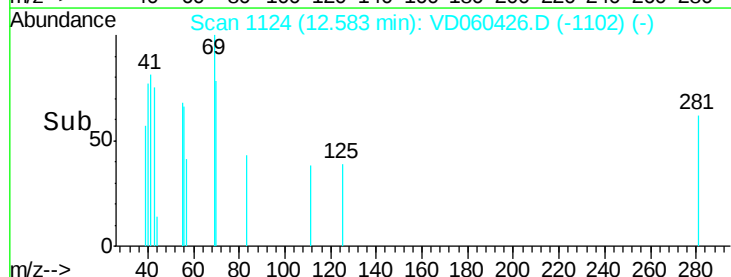
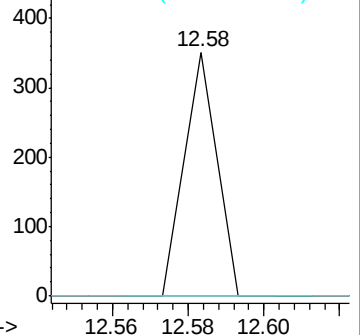
85 0.0 32.0 96.0#

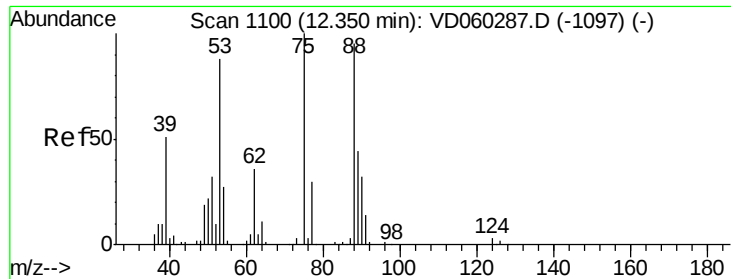


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

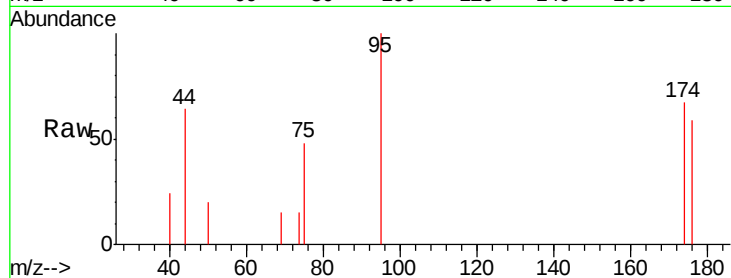




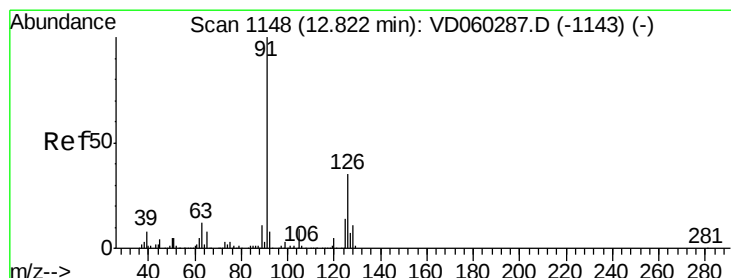
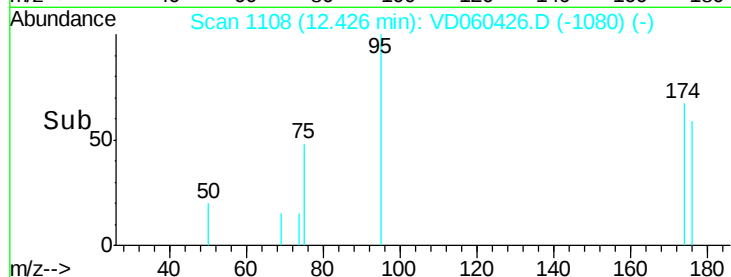
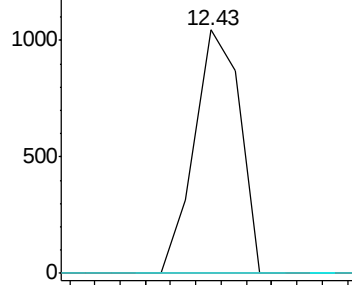
#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.53 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.08 min
 Lab File: VD060426.D
 Acq: 20 Nov 2018 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-14(5.5-7.5)

Tgt Ion: 75 Resp: 1319
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

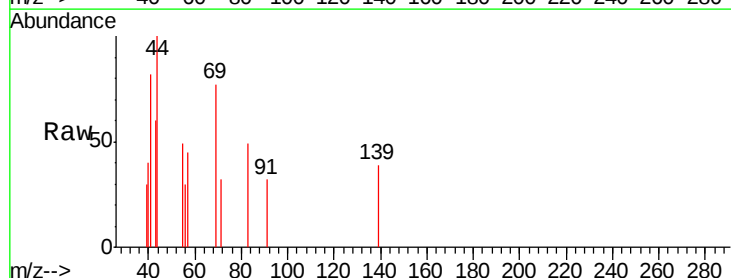


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 53.00 (52.70 to 53.70): VDC
 Ion 89.00 (88.70 to 89.70): VDC

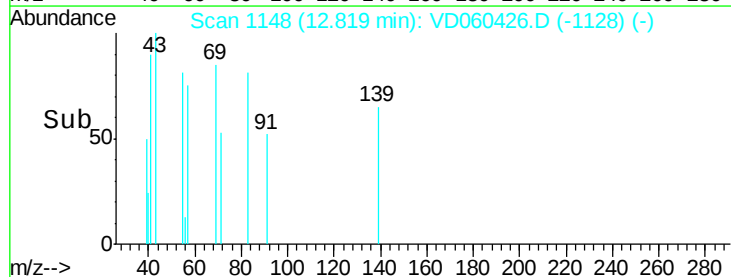
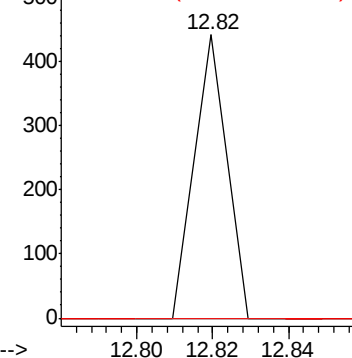


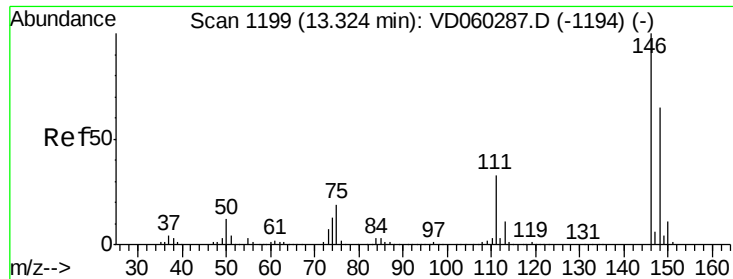
#82
 4-Chlorotoluene
 Concen: 1.03 ug/l
 RT: 12.82 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: VD060426.D
 Acq: 20 Nov 2018 13:53

Tgt Ion: 91 Resp: 260
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.8 44.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V





#87

1,3-Dichlorobenzene

Concen: 1.81 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. 0.08 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

Instrument :

MSVOA_D

ClientSampleId :

FDSB-14(5.5-7.5)

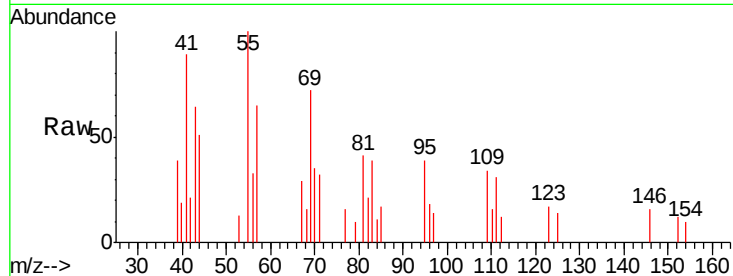
Tgt Ion:146 Resp: 282

Ion Ratio Lower Upper

146 100

111 196.9 20.2 60.5#

148 0.0 32.0 96.0#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

1500

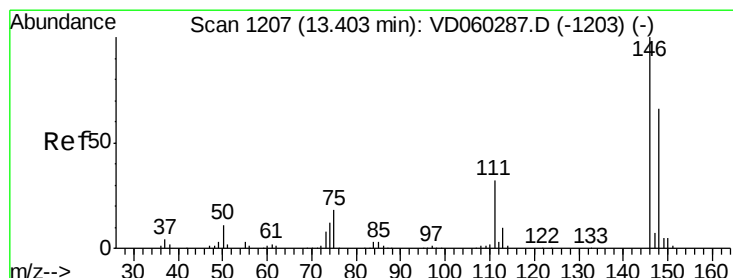
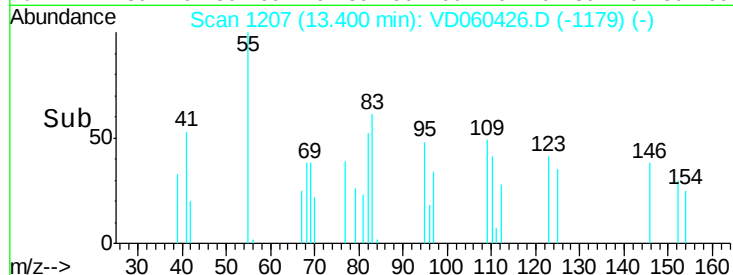
1000

500

0

13.38 13.40 13.42

Time-->



#88

1,4-Dichlorobenzene

Concen: 1.85 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD060426.D

Acq: 20 Nov 2018 13:53

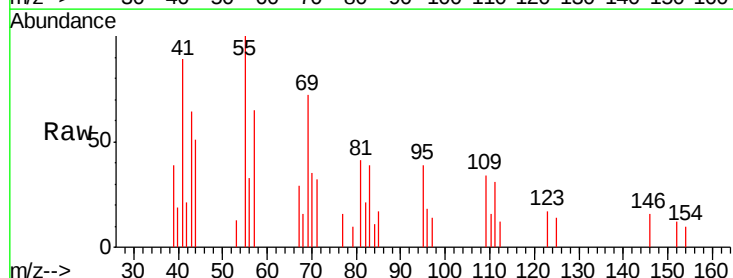
Tgt Ion:146 Resp: 282

Ion Ratio Lower Upper

146 100

111 196.9 16.0 47.9#

148 0.0 32.9 98.7#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

1500

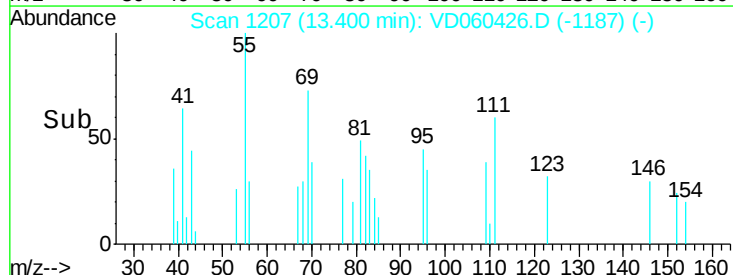
1000

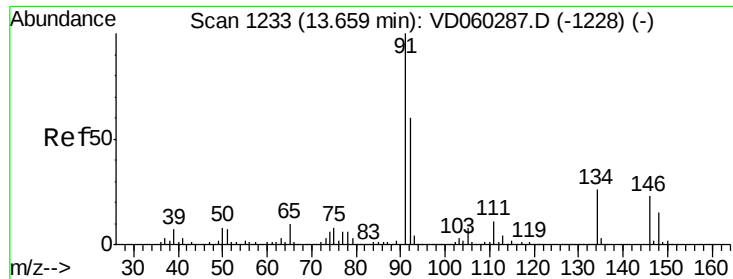
500

0

13.38 13.40 13.42

Time-->

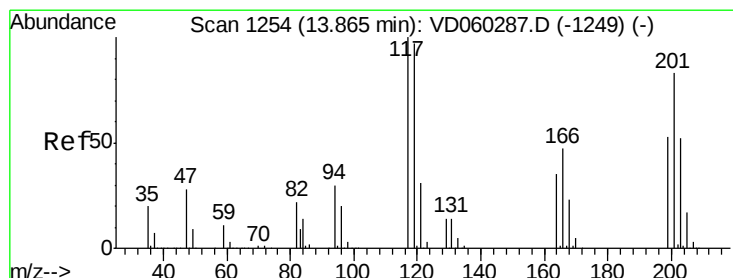
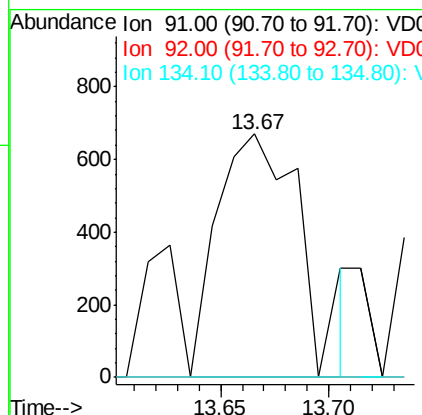
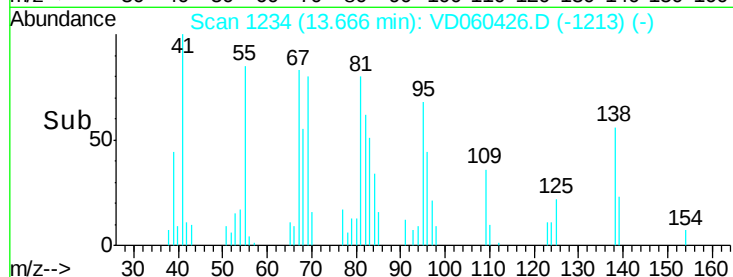
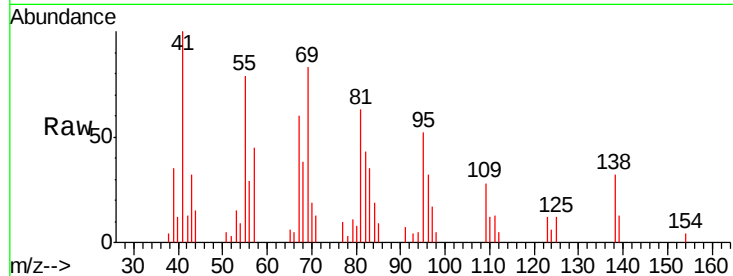




#89
n-Butylbenzene
Concen: 4.94 ug/l
RT: 13.67 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD060426.D
Acq: 20 Nov 2018 13:53

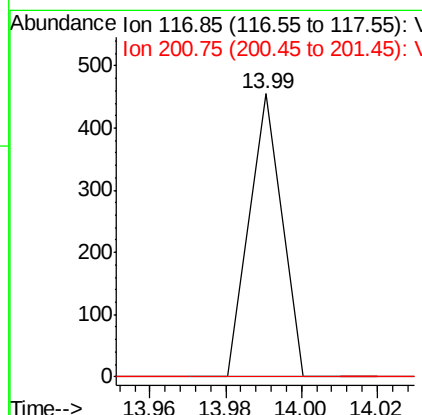
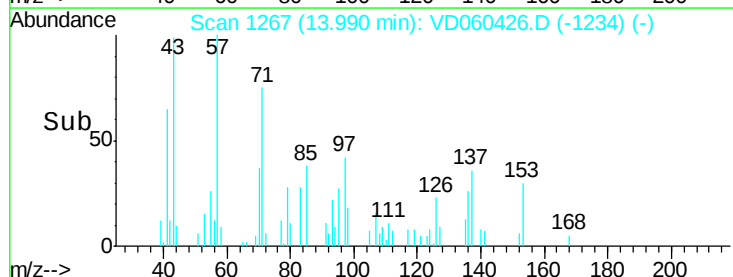
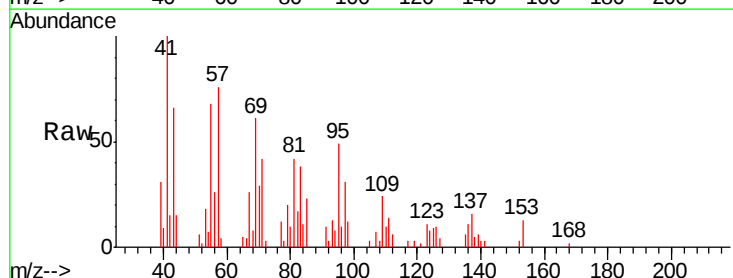
Instrument :
MSVOA_D
ClientSampleId :
FDSB-14(5.5-7.5)

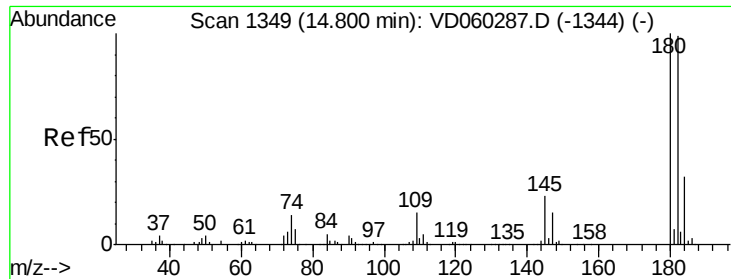
Tgt Ion: 91 Resp: 1840
Ion Ratio Lower Upper
91 100
92 0.0 30.3 90.9#
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 4.03 ug/l
RT: 13.99 min Scan# 1267
Delta R.T. 0.13 min
Lab File: VD060426.D
Acq: 20 Nov 2018 13:53

Tgt Ion: 117 Resp: 269
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#

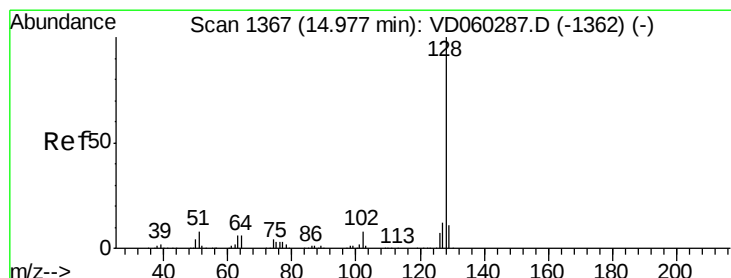
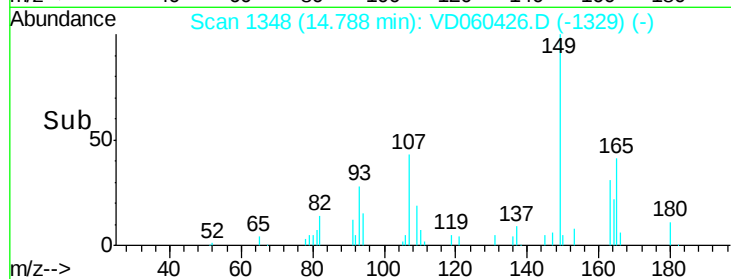
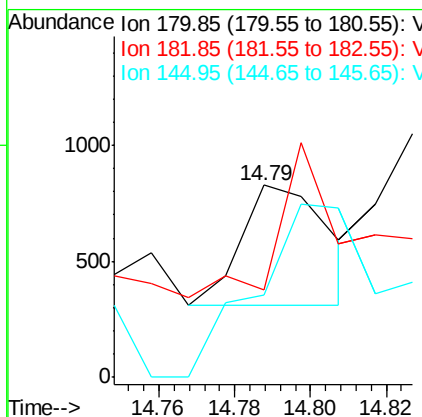
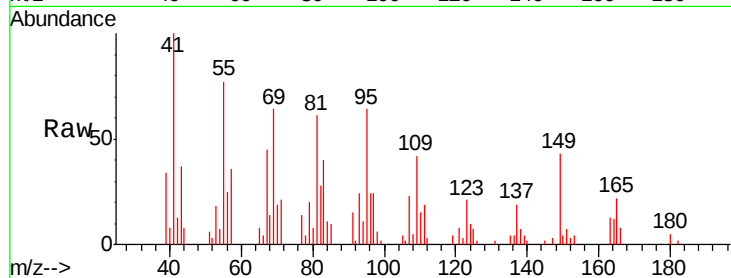




#93
 1,2,4-Trichlorobenzene
 Concen: 8.16 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060426.D
 Acq: 20 Nov 2018 13:53

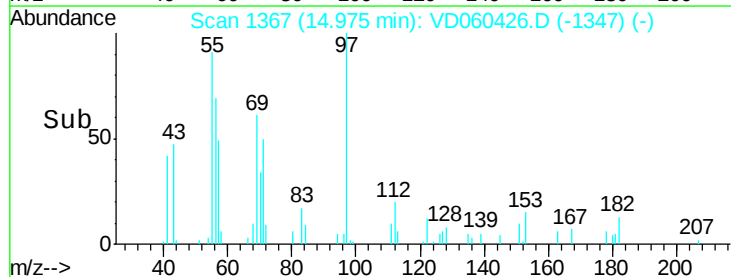
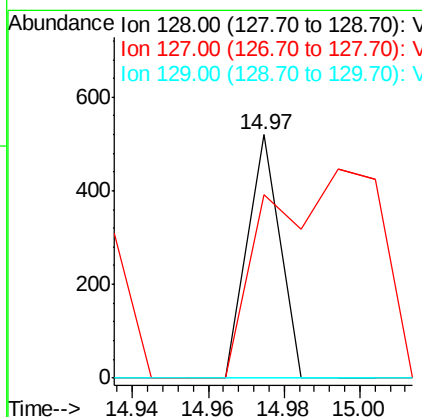
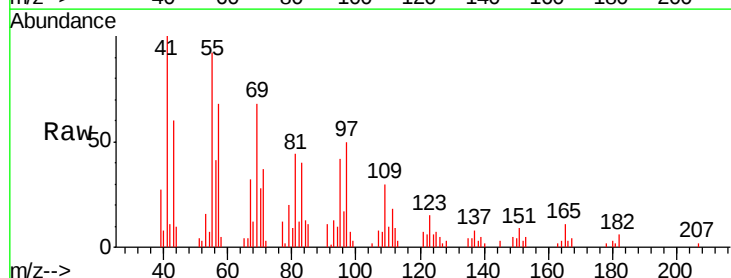
Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-14(5.5-7.5)

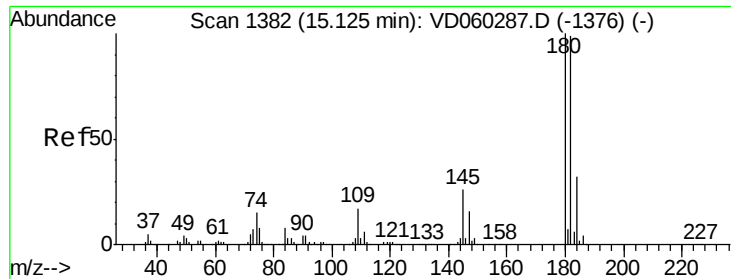
Tgt Ion:180 Resp: 828
 Ion Ratio Lower Upper
 180 100
 182 45.7 48.1 144.4#
 145 42.5 11.5 34.4#



#95
 Naphthalene
 Concen: 2.48 ug/l
 RT: 14.97 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VD060426.D
 Acq: 20 Nov 2018 13:53

Tgt Ion:128 Resp: 307
 Ion Ratio Lower Upper
 128 100
 127 75.6 9.6 14.4#
 129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 15.43 ug/l
 RT: 15.14 min Scan# 1384
 Delta R.T. 0.02 min
 Lab File: VD060426.D
 Acq: 20 Nov 2018 13:53

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-14(5.5-7.5)

Tgt Ion	Ratio	Lower	Upper
180	100		
182	27.8	48.9	146.7#
145	29.2	12.9	38.6

