

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060443.D
 Acq On : 21 Nov 2018 15:33
 Operator : JC/SY
 Sample : J5967-05RE
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-13(6-8)RE

Quant Time: Nov 22 03:33:47 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	22654	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	36046	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	38967	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	23888	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	18643	114.93	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	229.86%	
35) Dibromofluoromethane	6.32	113	15755	58.62	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	117.24%	
50) Toluene-d8	9.46	98	39313	49.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.43	95	20041	70.30	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	140.60%	

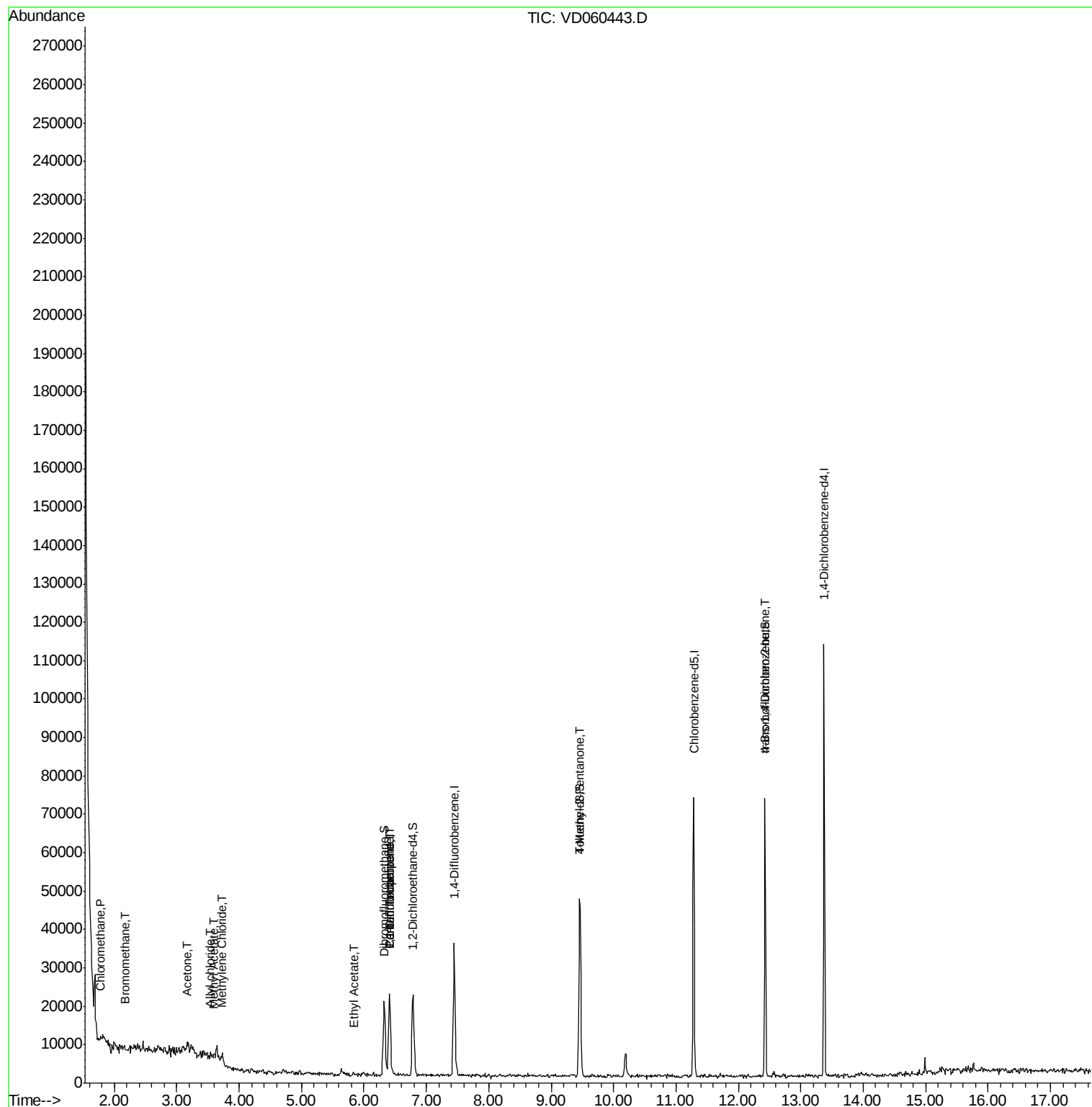
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.77	50	481	2.242	ug/l #	42
5) Bromomethane	2.18	94	2032	48.873	ug/l #	2
14) Allyl chloride	3.54	41	584	2.761	ug/l #	57
16) Acetone	3.15	43	2614	92.905	ug/l #	55
18) Methyl Acetate	3.59	43	389	6.484	ug/l #	63
20) Methylene Chloride	3.73	84	1165	4.668	ug/l #	76
36) 1,1-Dichloropropene	6.40	75	1256	3.527	ug/l #	41
37) Ethyl Acetate	5.83	43	191	1.166	ug/l #	69
38) Carbon Tetrachloride	6.41	117	1596	4.831	ug/l #	12
51) 4-Methyl-2-Pentanone	9.45	43	203	1.515	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.43	75	8024	98.630	ug/l #	15

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

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FDSB-13(6-8)RE

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

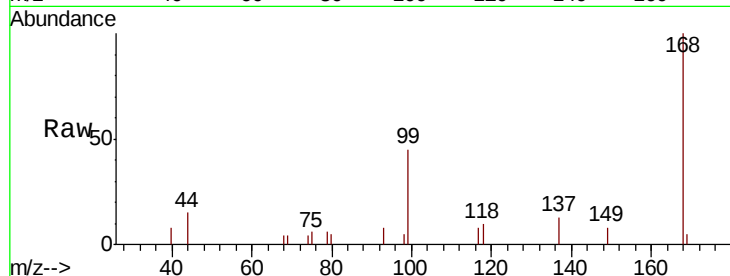
FDSB-13(6-8)RE

Tgt Ion:168 Resp: 22654

Ion Ratio Lower Upper

168 100

99 45.0 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

10000

8000

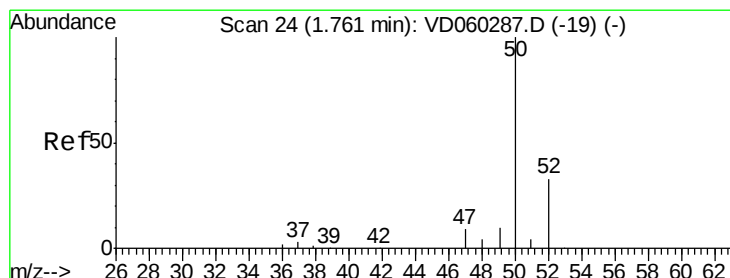
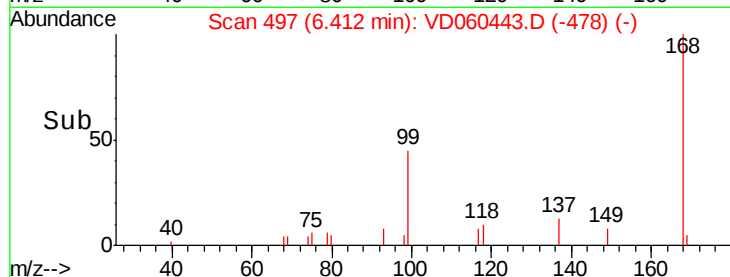
6000

4000

2000

0

Time-->



#3

Chloromethane

Concen: 2.242 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060443.D

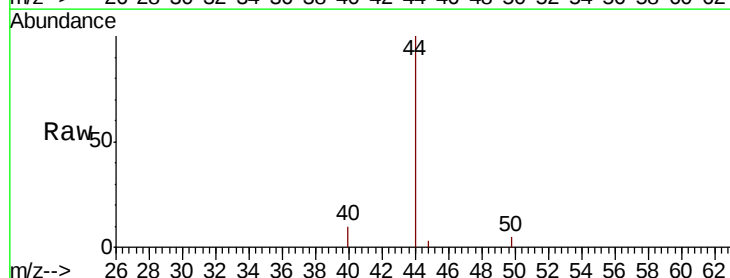
Acq: 21 Nov 2018 15:33

Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

500

400

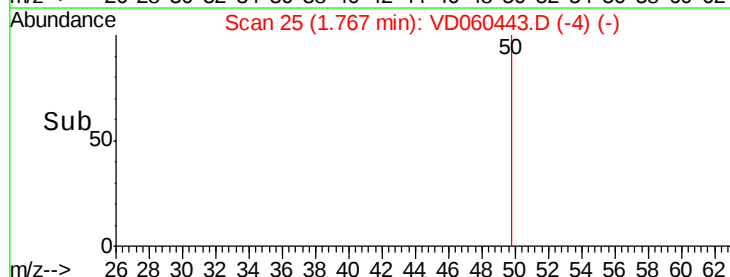
300

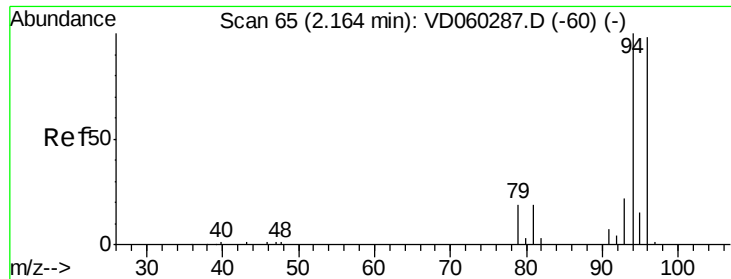
200

100

0

Time-->





#5

Bromomethane

Concen: 48.873 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.02 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

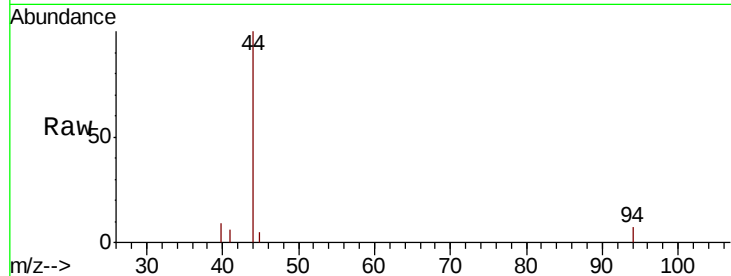
FDSB-13(6-8)RE

Tgt Ion: 94 Resp: 2032

Ion Ratio Lower Upper

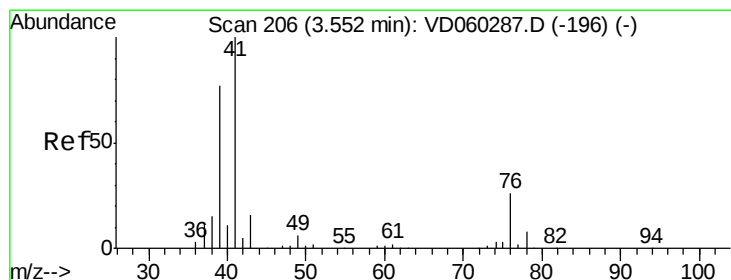
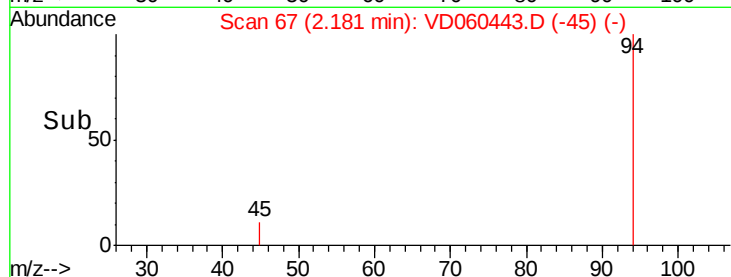
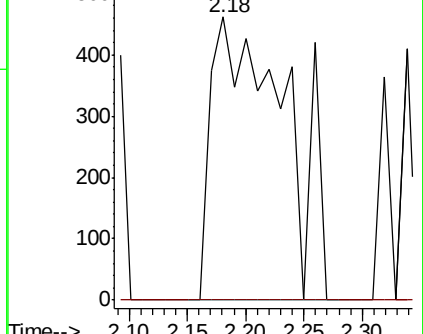
94 100

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



#14

Allyl chloride

Concen: 2.761 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

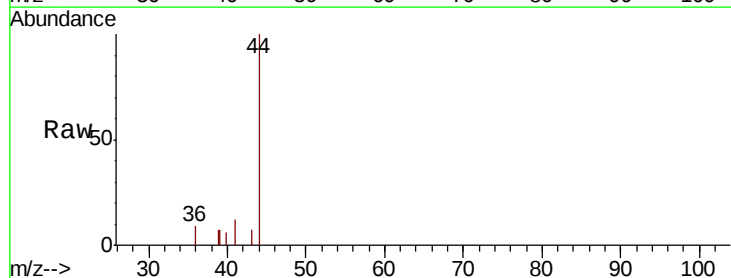
Tgt Ion: 41 Resp: 584

Ion Ratio Lower Upper

41 100

39 109.6 60.4 90.6#

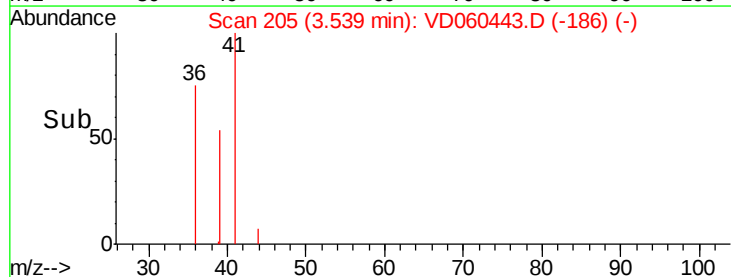
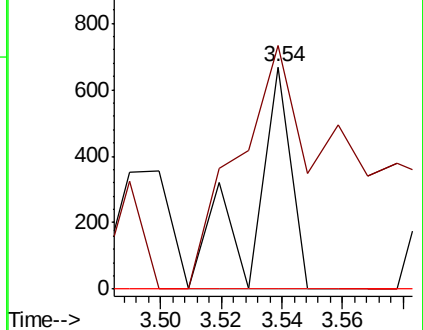
76 0.0 21.8 32.8#

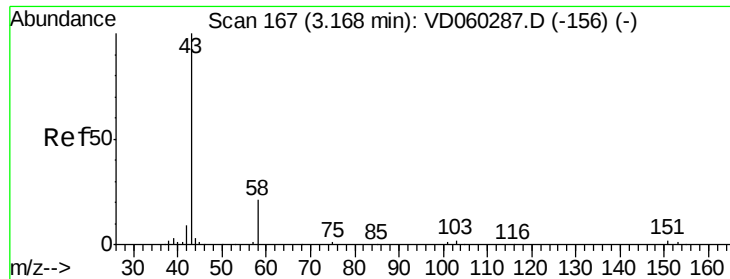


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 92.905 ug/l

RT: 3.15 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

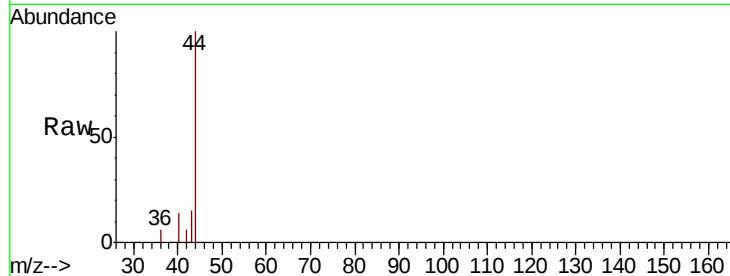
FDSB-13(6-8)RE

Tgt Ion: 43 Resp: 2614

Ion Ratio Lower Upper

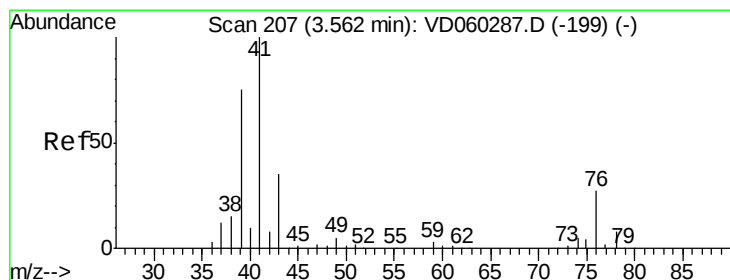
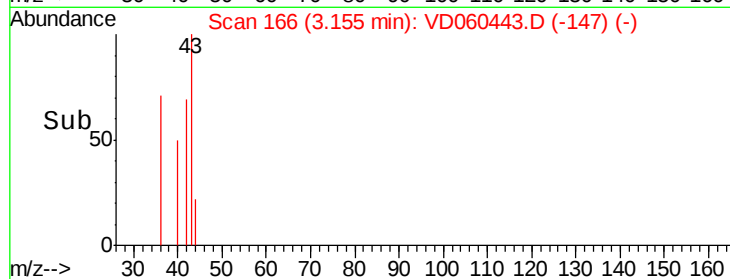
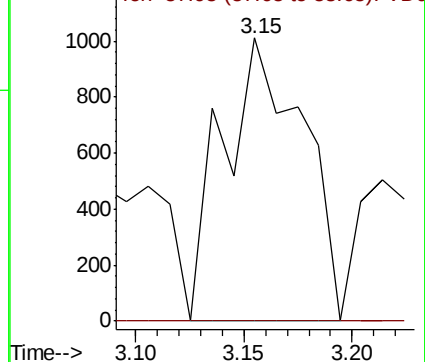
43 100

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



#18

Methyl Acetate

Concen: 6.484 ug/l

RT: 3.59 min Scan# 210

Delta R.T. 0.03 min

Lab File: VD060443.D

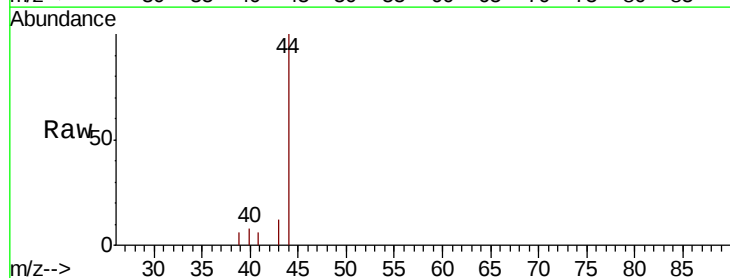
Acq: 21 Nov 2018 15:33

Tgt Ion: 43 Resp: 389

Ion Ratio Lower Upper

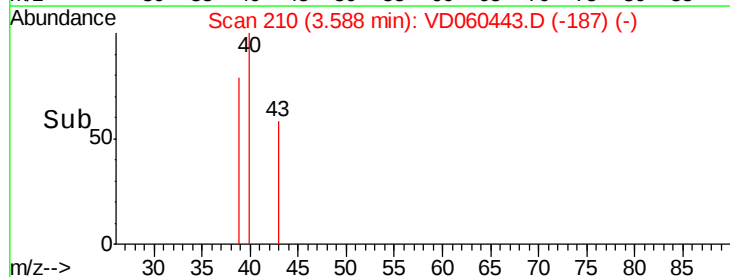
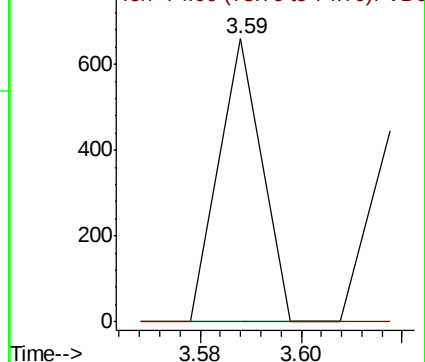
43 100

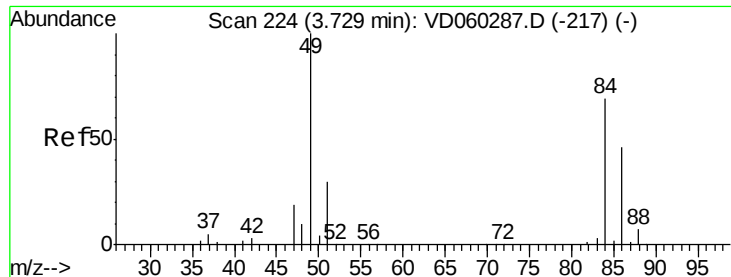
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

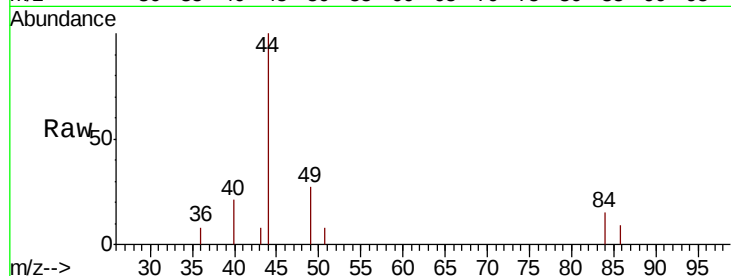




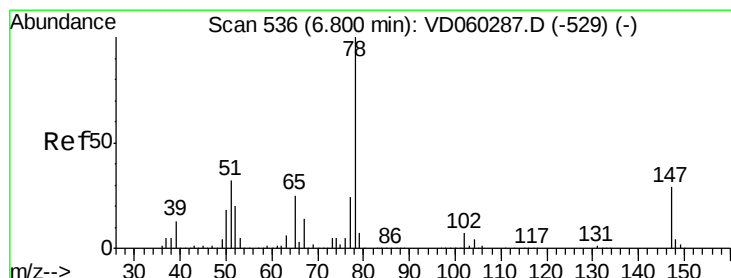
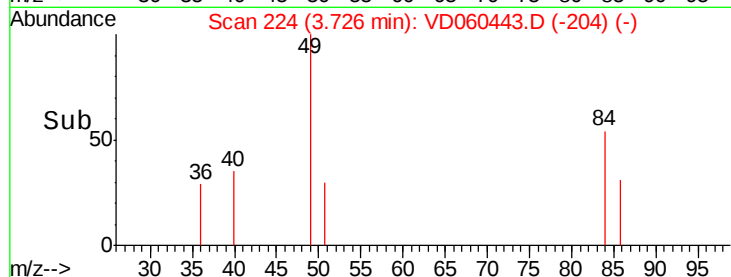
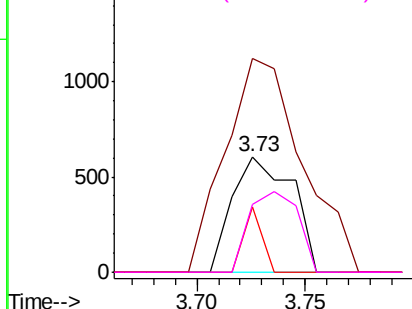
#20
Methylene Chloride
Concen: 4.668 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
FDSB-13(6-8)RE

Tgt Ion: 84 Resp: 1165
Ion Ratio Lower Upper
84 100
49 184.4 115.6 173.4#
51 55.9 35.6 53.4#
86 58.1 52.3 78.5

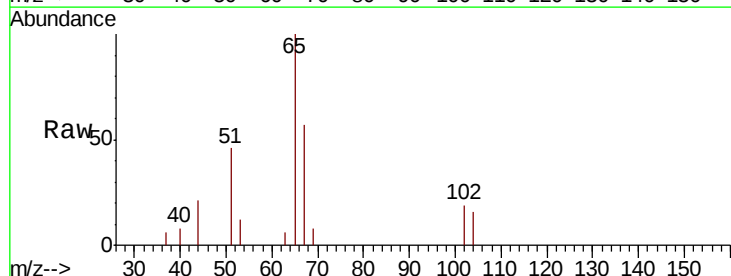


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

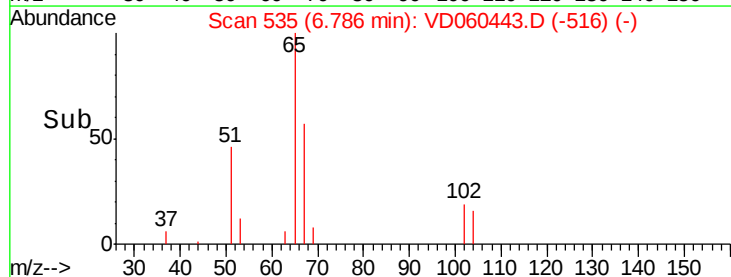
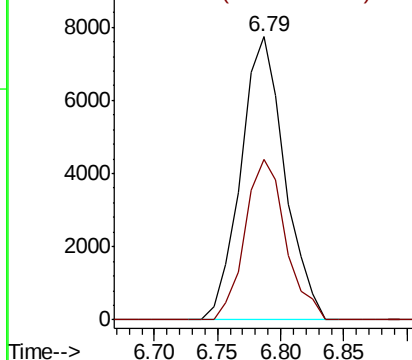


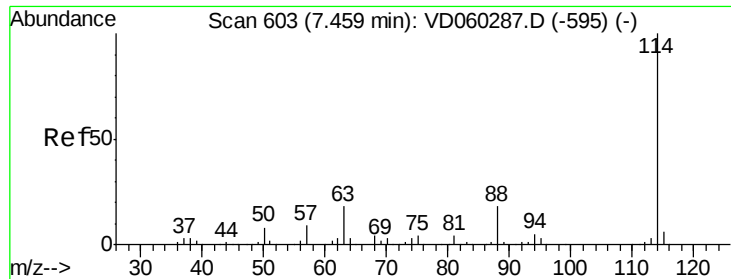
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

Tgt Ion: 65 Resp: 18643
Ion Ratio Lower Upper
65 100
67 56.6 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

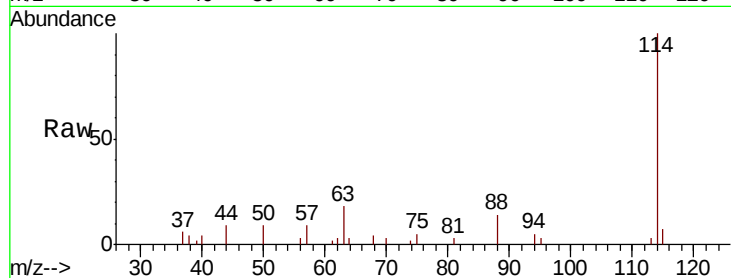




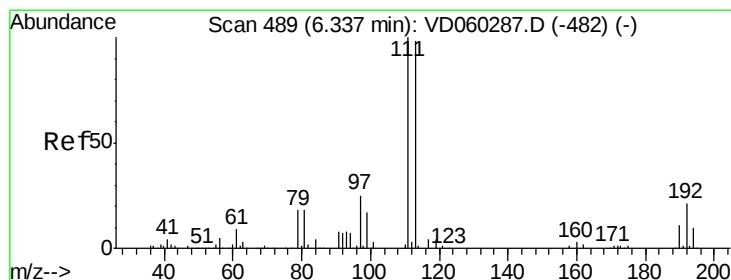
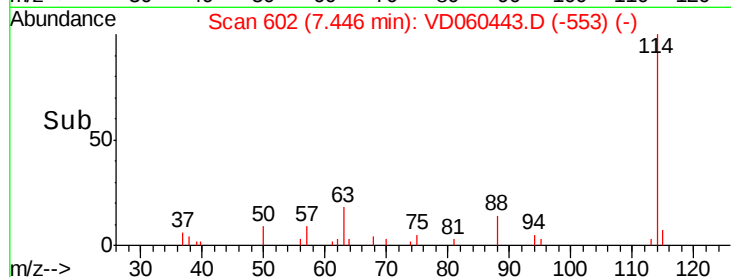
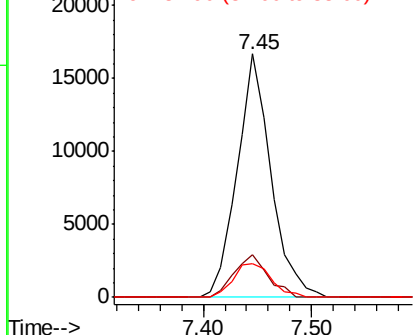
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060443.D
 Acq: 21 Nov 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-13(6-8)RE

Tgt Ion:114 Resp: 36046
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.0
 88 13.8 0.0 35.4

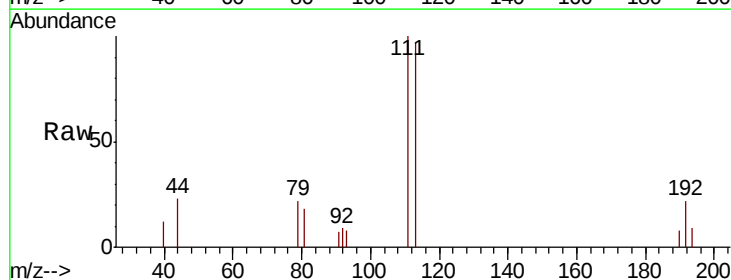


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

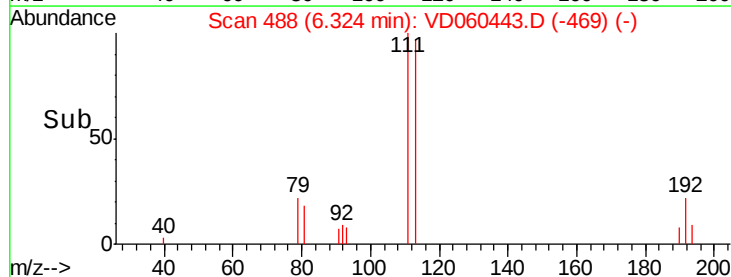
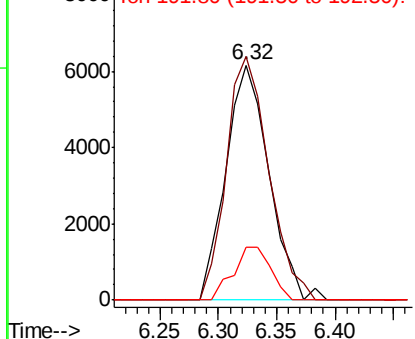


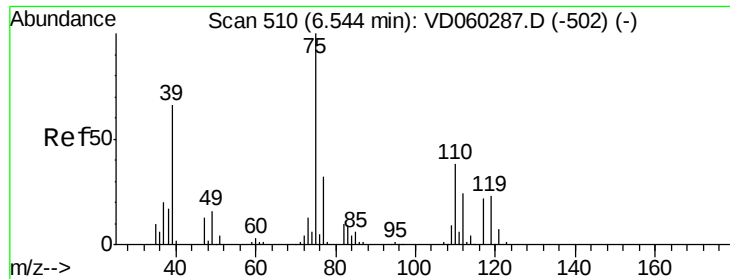
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060443.D
 Acq: 21 Nov 2018 15:33

Tgt Ion:113 Resp: 15755
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 22.3 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





#36

1,1-Dichloropropene

Concen: 3.527 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.14 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

FDSB-13(6-8)RE

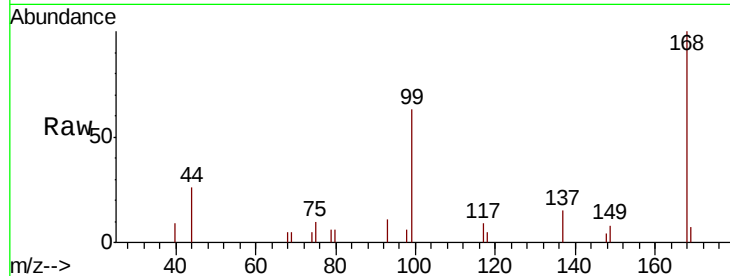
Tgt Ion: 75 Resp: 1256

Ion Ratio Lower Upper

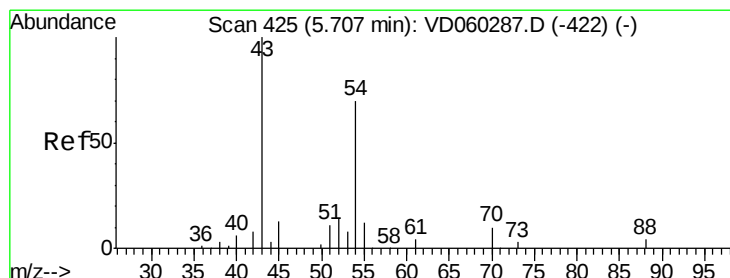
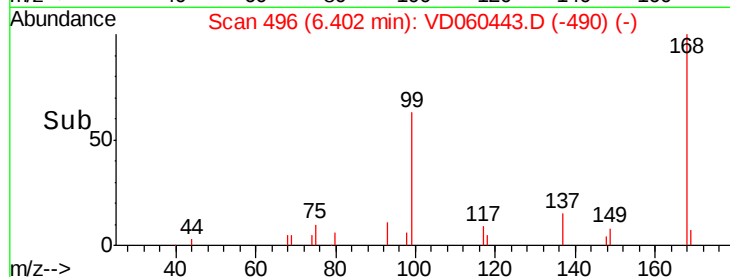
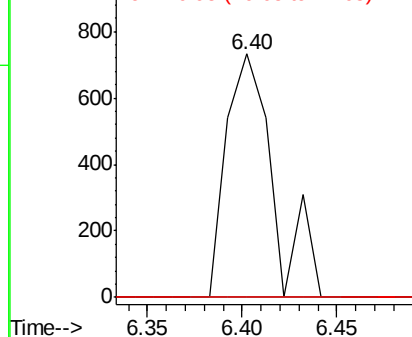
75 100

110 0.0 18.0 54.0#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.166 ug/l

RT: 5.83 min Scan# 438

Delta R.T. 0.12 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

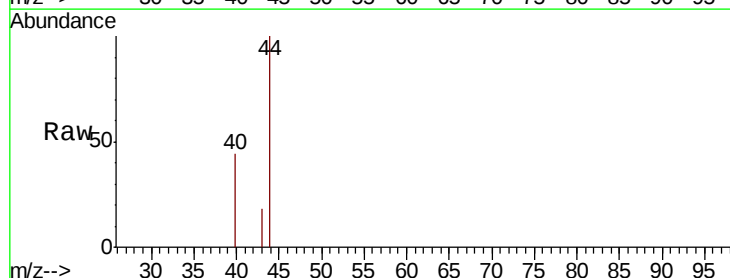
Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

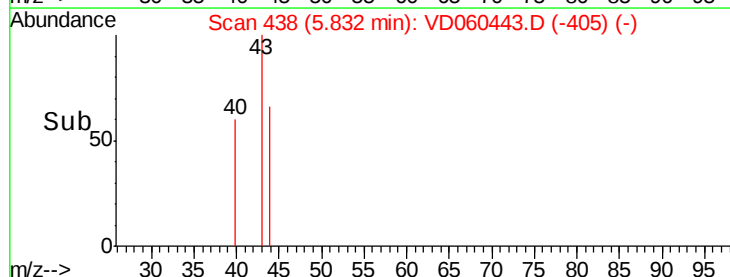
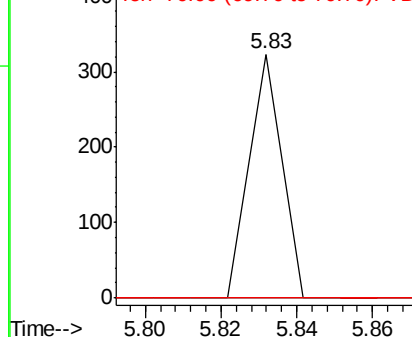
43 100

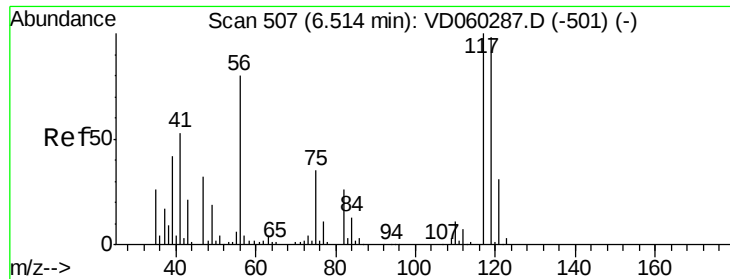
61 0.0 11.8 17.6#

70 0.0 6.2 9.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

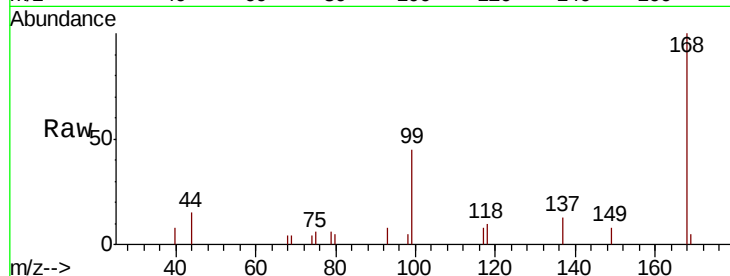




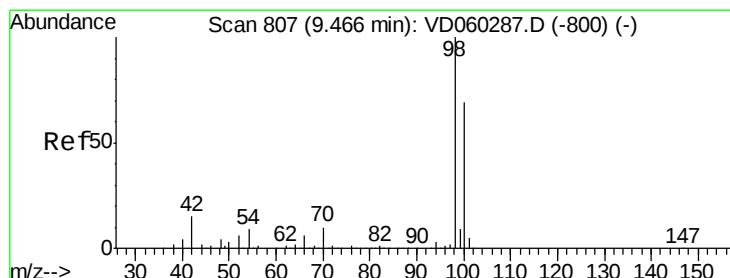
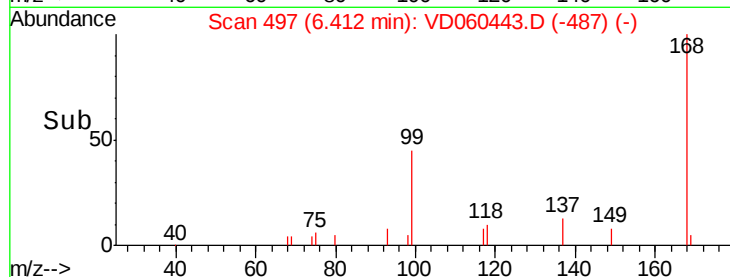
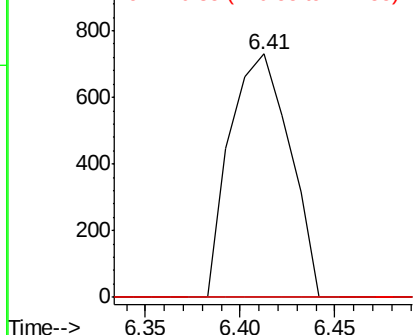
#38
Carbon Tetrachloride
Concen: 4.831 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.10 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
FDSB-13(6-8)RE

Tgt Ion: 117 Resp: 1596
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.3 36.5#

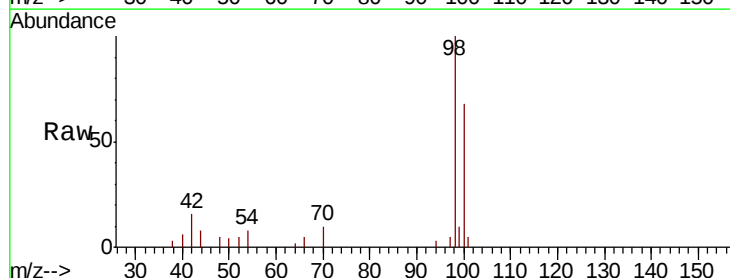


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

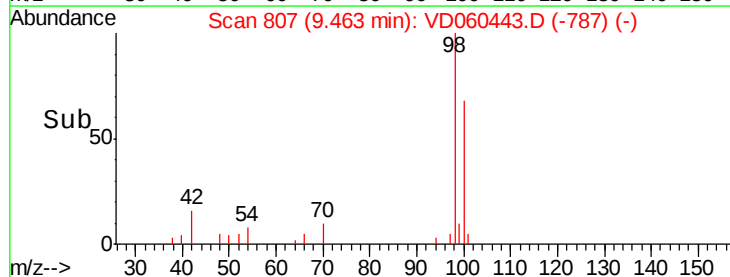
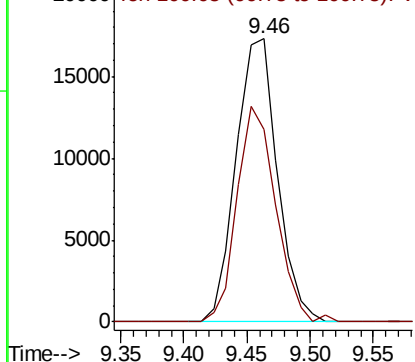


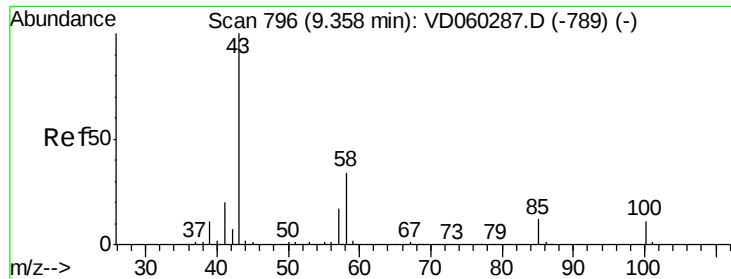
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

Tgt Ion: 98 Resp: 39313
Ion Ratio Lower Upper
98 100
100 68.0 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): VD





#51

4-Methyl-2-Pentanone

Concen: 1.515 ug/l

RT: 9.45 min Scan# 806

Delta R.T. 0.10 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

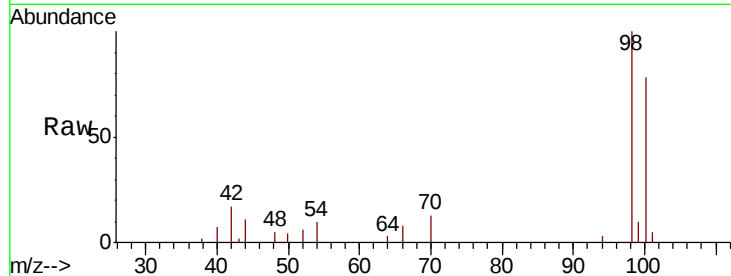
FDSB-13(6-8)RE

Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.45

300

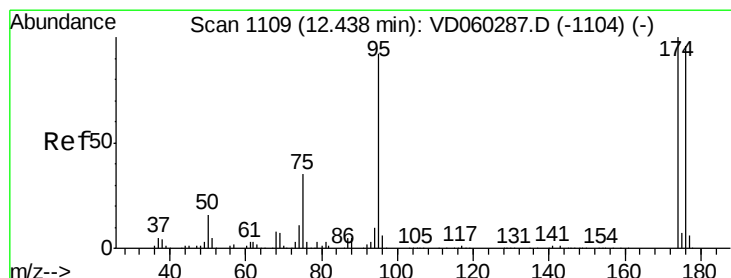
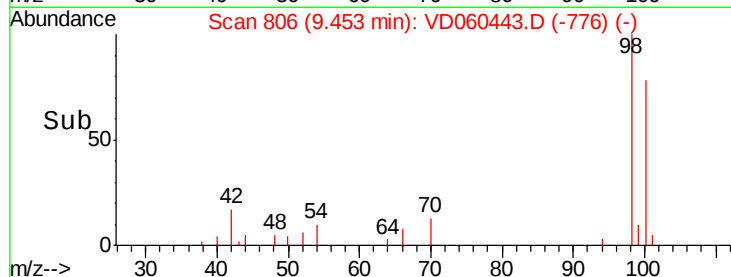
200

100

0

9.42 9.44 9.46 9.48

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

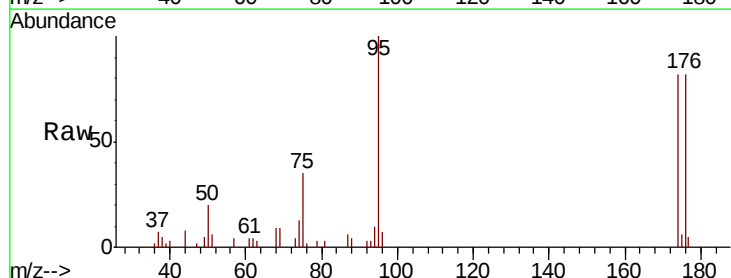
Tgt Ion: 95 Resp: 20041

Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.8

176 82.2 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

20000

15000

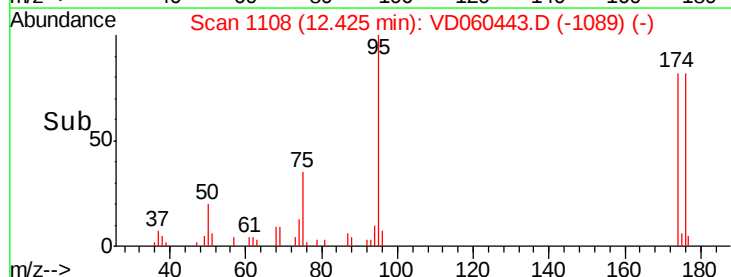
10000

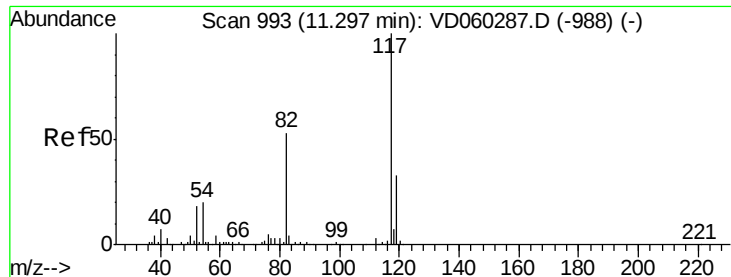
5000

0

12.35 12.40 12.45

Time-->

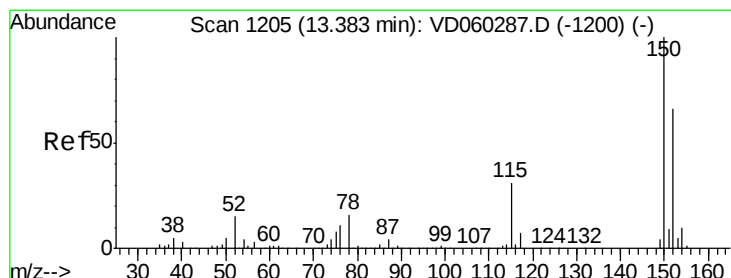
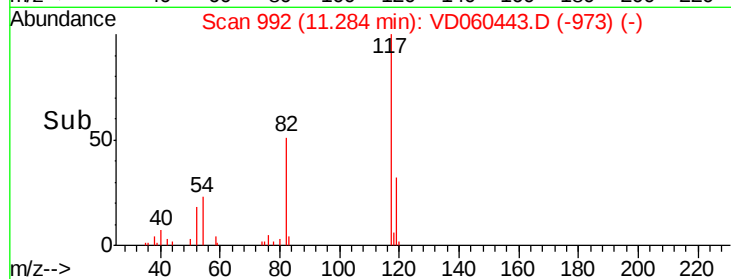
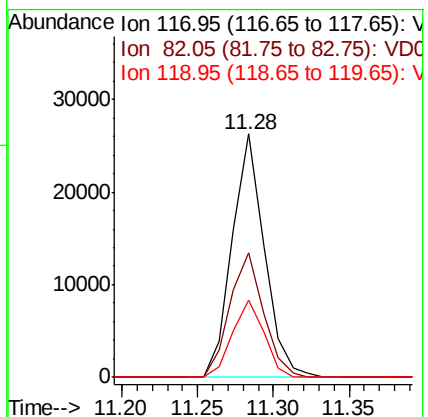
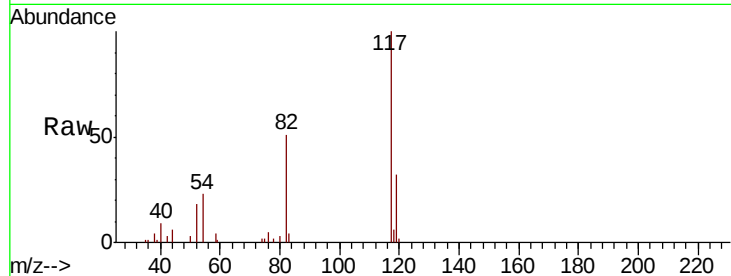




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

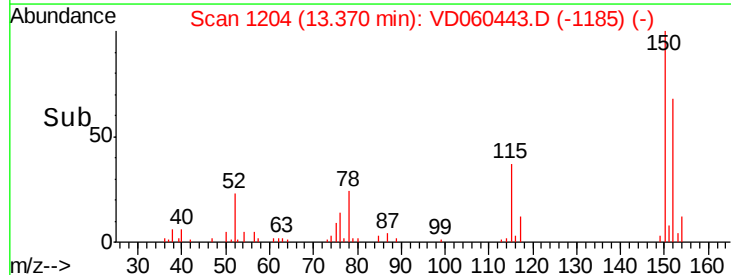
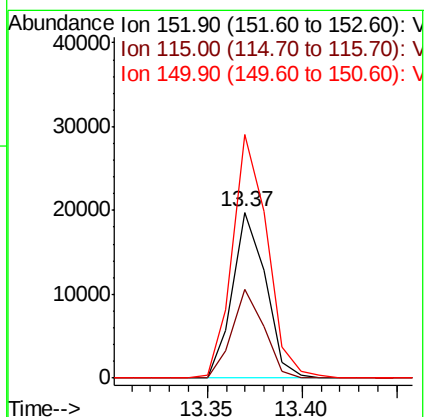
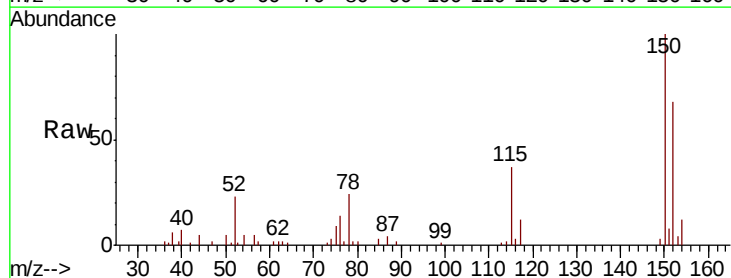
Instrument :
MSVOA_D
ClientSampleId :
FDSB-13(6-8)RE

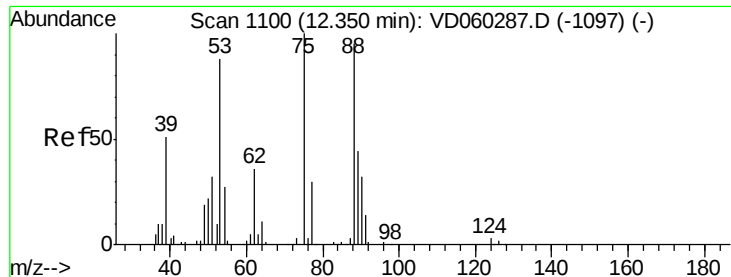
Tgt Ion:117 Resp: 38967
Ion Ratio Lower Upper
117 100
82 51.4 43.7 65.5
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060443.D
Acq: 21 Nov 2018 15:33

Tgt Ion:152 Resp: 23888
Ion Ratio Lower Upper
152 100
115 53.6 24.1 72.3
150 146.7 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 98.630 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060443.D

Acq: 21 Nov 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

FDSB-13(6-8)RE

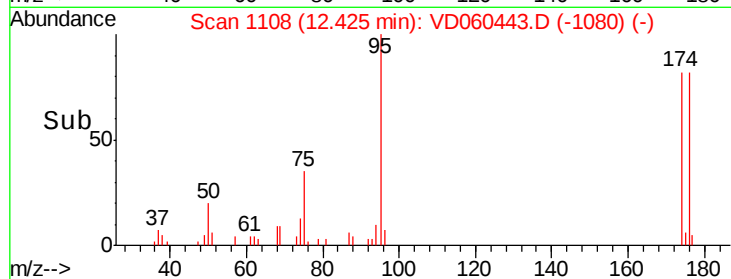
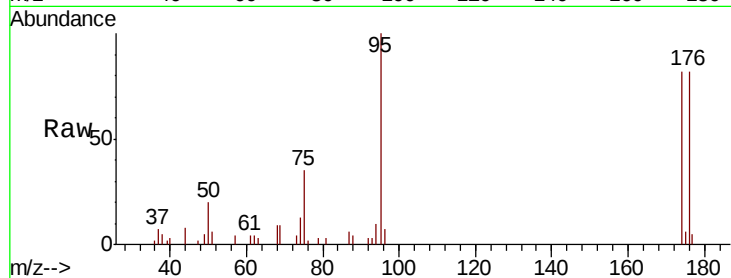
Tgt Ion: 75 Resp: 8024

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

