

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111618\
 Data File : VD060394.D
 Acq On : 16 Nov 2018 13:21
 Operator : JC/SY
 Sample : J5911-04RE
 Misc : 5.06g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-08(20-22)

Quant Time: Nov 16 14:29:09 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	6.43	168	1672104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2330021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1894414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	945671	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	452254	37.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.54%	
35) Dibromofluoromethane	6.34	113	647583	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	
50) Toluene-d8	9.47	98	1837968	36.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.28%	
62) 4-Bromofluorobenzene	12.43	95	685650	37.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.42%	

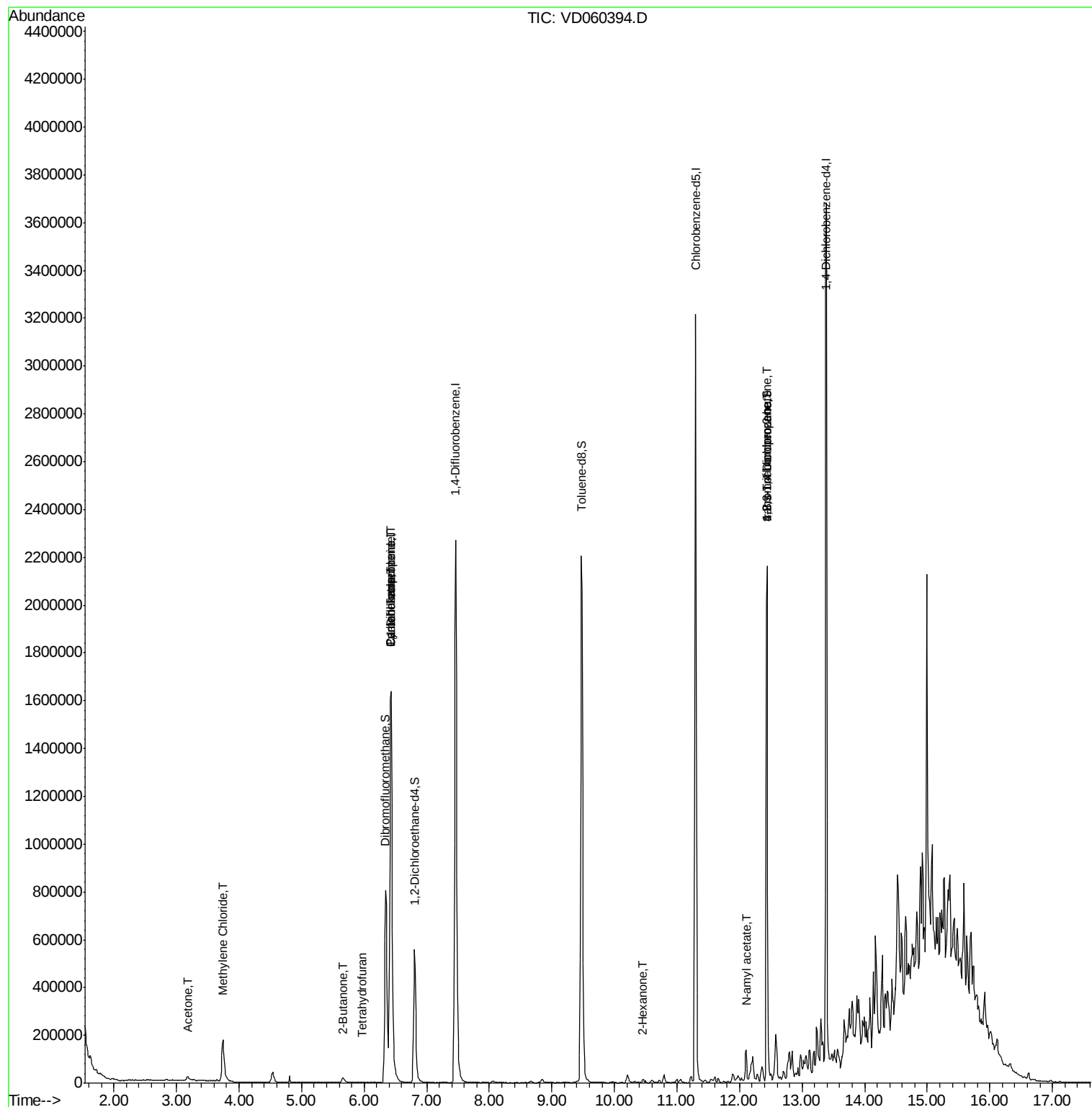
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	3139	Below Cal		85
16) Acetone	3.17	43	34104	16.42	ug/l	98
20) Methylene Chloride	3.74	84	120122	6.52	ug/l	98
25) 2-Butanone	5.64	43	6085	1.41	ug/l #	60
29) Tetrahydrofuran	5.98	42	2811	1.24	ug/l #	47
31) Cyclohexane	6.43	56	31791	1.11	ug/l #	1
36) 1,1-Dichloropropene	6.42	75	112189	4.87	ug/l #	47
38) Carbon Tetrachloride	6.42	117	129741	6.08	ug/l #	17
59) 2-Hexanone	10.45	43	9783	1.58	ug/l #	31
74) N-amyl acetate	12.10	43	28587	1.62	ug/l #	65
76) 1,2,3-Trichloropropane	12.43	75	235280	20.80	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	269867	83.79	ug/l #	15
89) n-Butylbenzene	13.65	91	14899	Below Cal		90

(#) = 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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

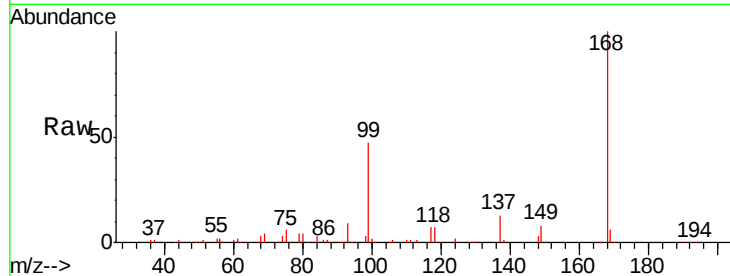
FDSB-08(20-22)

Tgt Ion:168 Resp: 1672104

Ion Ratio Lower Upper

168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

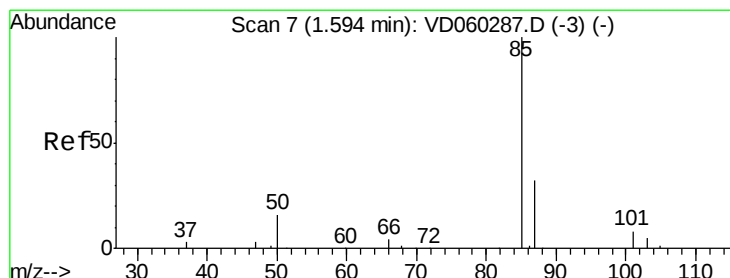
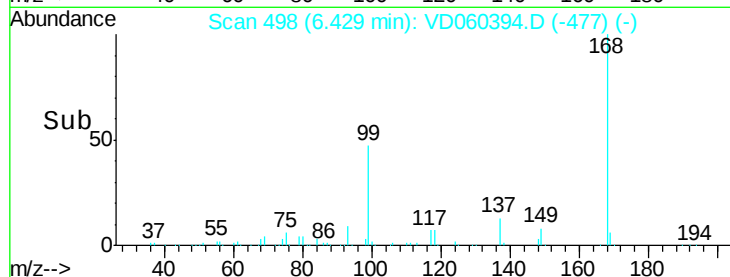
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060394.D

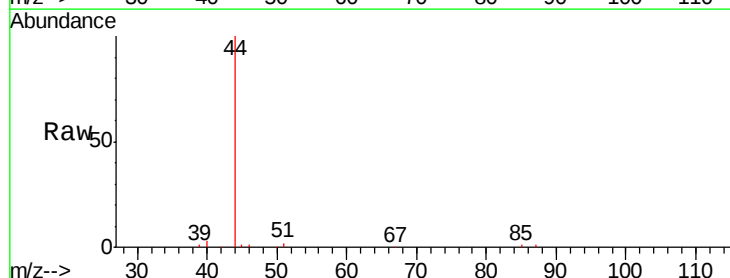
Acq: 16 Nov 2018 13:21

Tgt Ion: 85 Resp: 3139

Ion Ratio Lower Upper

85 100

87 41.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

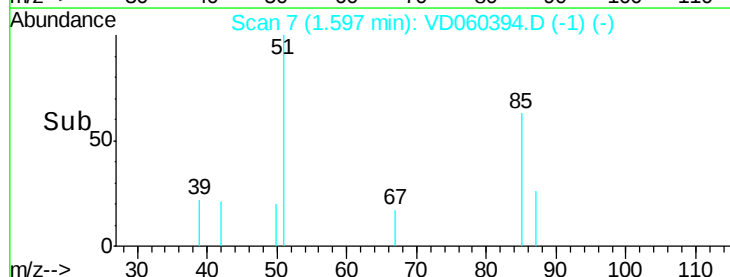
1500

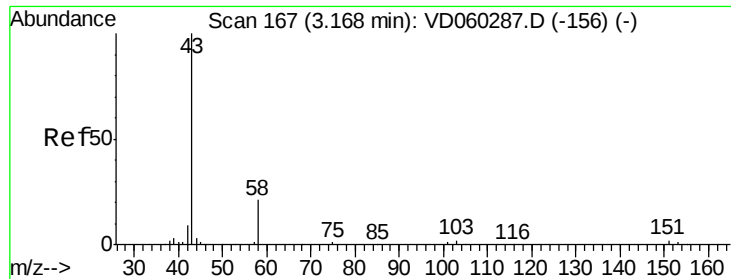
1000

500

0

Time-->





#16

Acetone

Concen: 16.42 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

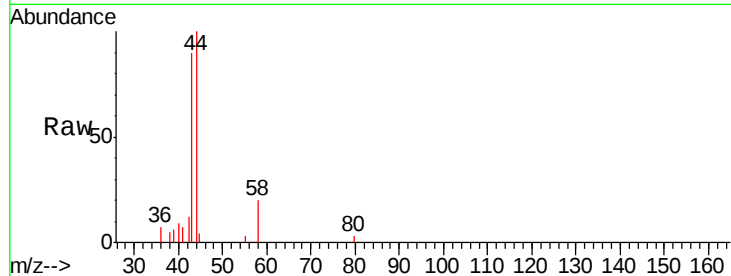
FDSB-08(20-22)

Tgt Ion: 43 Resp: 34104

Ion Ratio Lower Upper

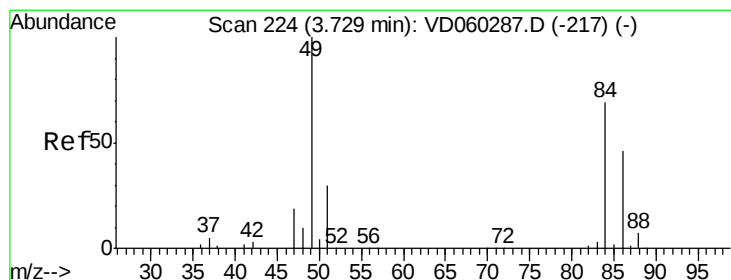
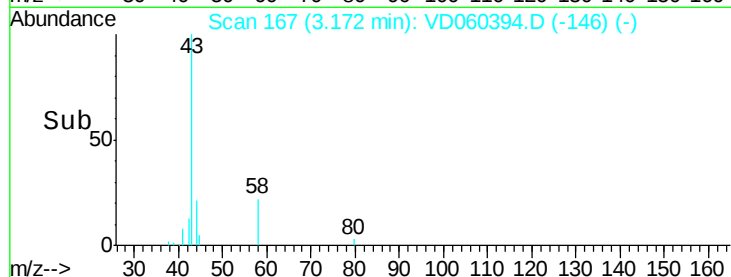
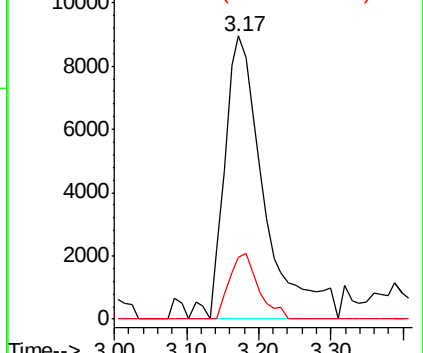
43 100

58 22.1 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: 6.52 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Tgt Ion: 84 Resp: 120122

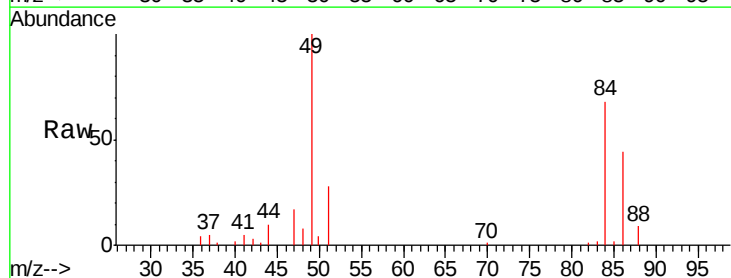
Ion Ratio Lower Upper

84 100

49 146.8 115.6 173.4

51 41.6 35.6 53.4

86 64.8 52.3 78.5

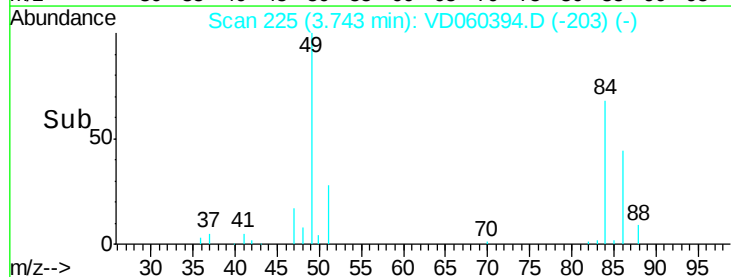
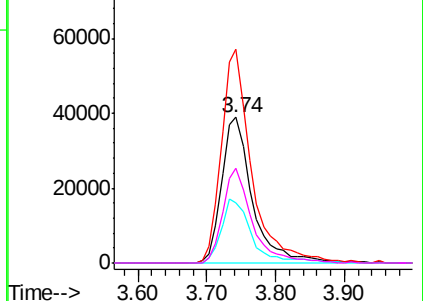


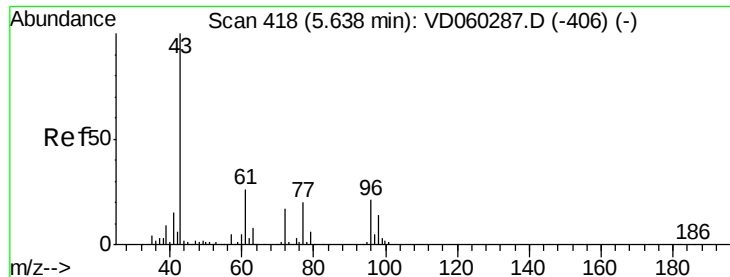
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.41 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

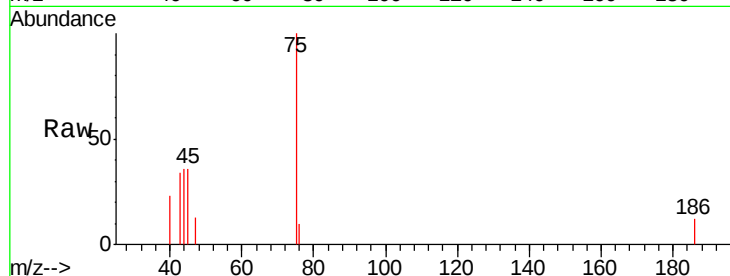
FDSB-08(20-22)

Tgt Ion: 43 Resp: 6085

Ion Ratio Lower Upper

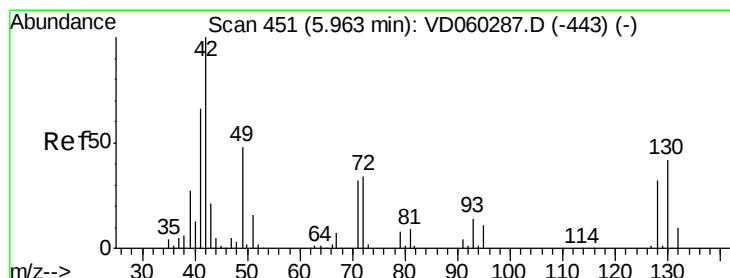
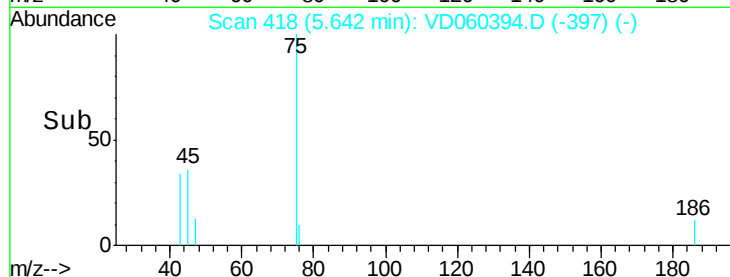
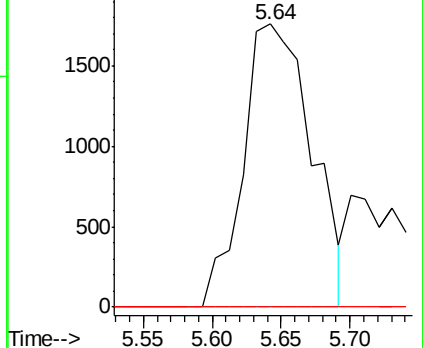
43 100

72 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.24 ug/l

RT: 5.98 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

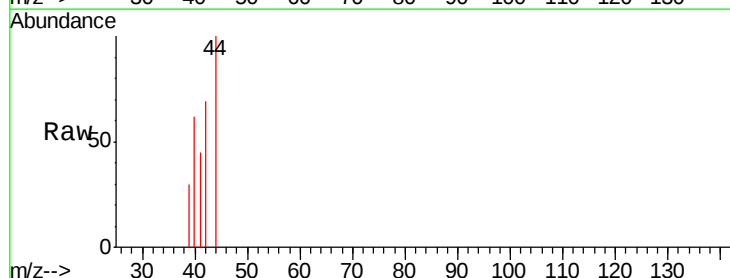
Tgt Ion: 42 Resp: 2811

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

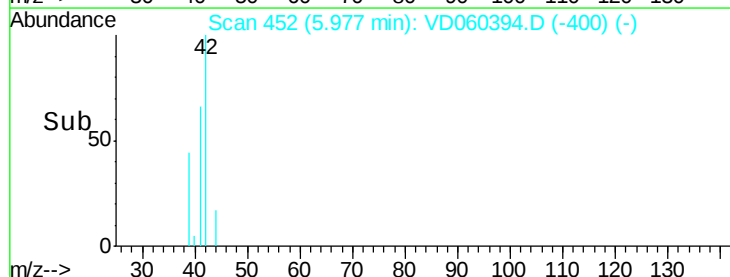
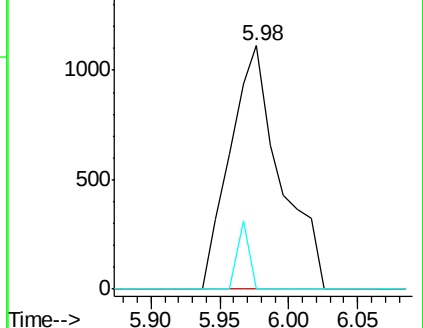
71 6.6 26.5 39.7#

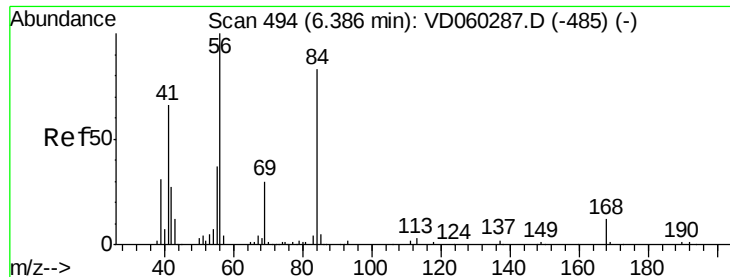


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

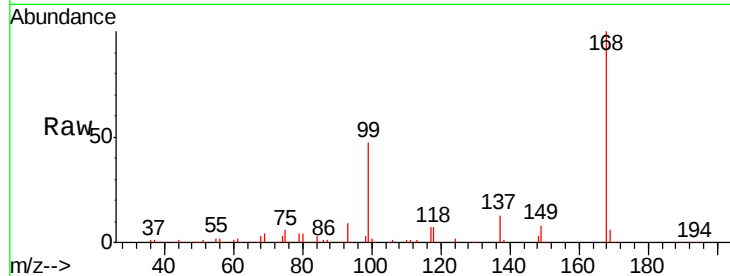




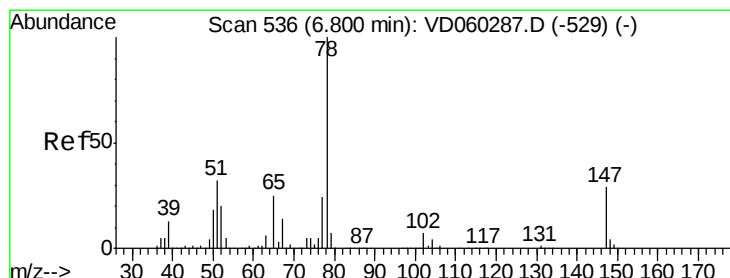
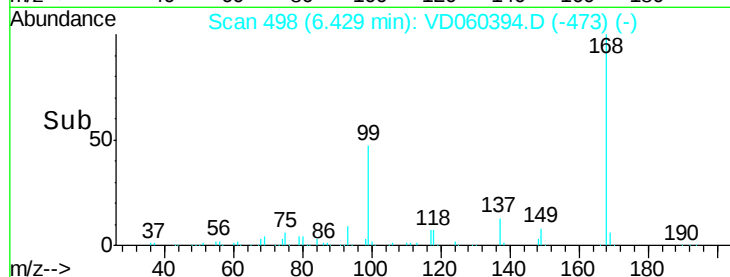
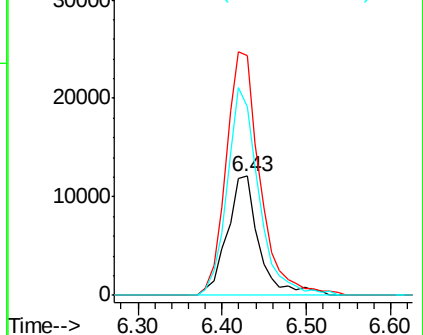
#31
Cyclohexane
Concen: 1.11 ug/l
RT: 6.43 min Scan# 498
Delta R.T. 0.04 min
Lab File: VD060394.D
Acq: 16 Nov 2018 13:21

Instrument :
MSVOA_D
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FDSB-08(20-22)

Tgt Ion: 56 Resp: 31791
Ion Ratio Lower Upper
56 100
69 200.9 22.2 33.2#
84 158.2 63.0 94.4#

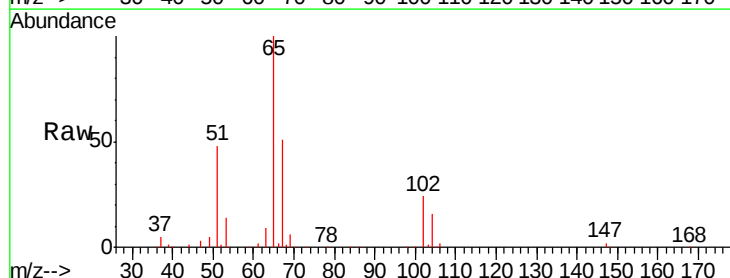


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

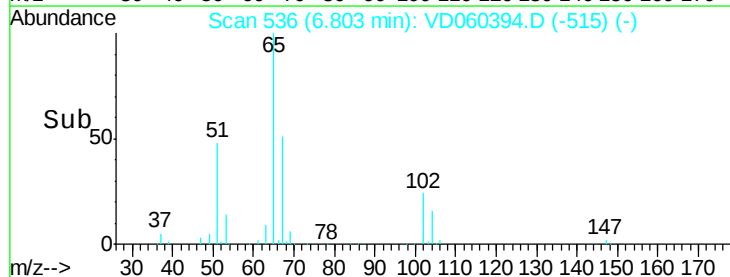
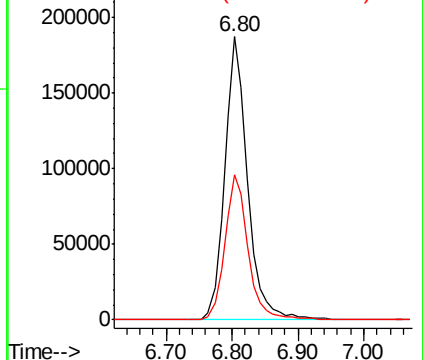


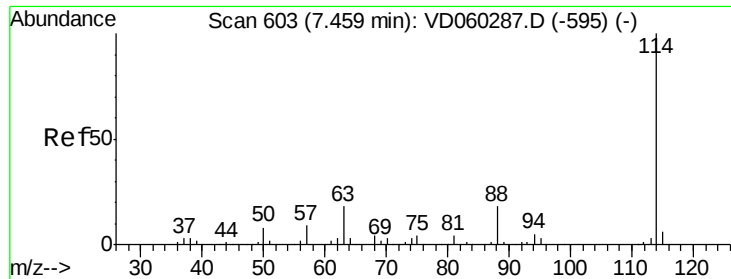
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD060394.D
Acq: 16 Nov 2018 13:21

Tgt Ion: 65 Resp: 452254
Ion Ratio Lower Upper
65 100
67 51.2 0.0 109.8



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

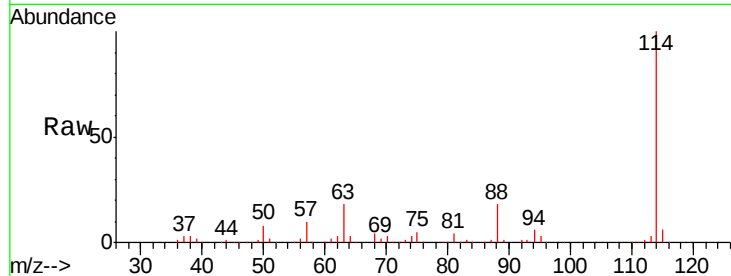




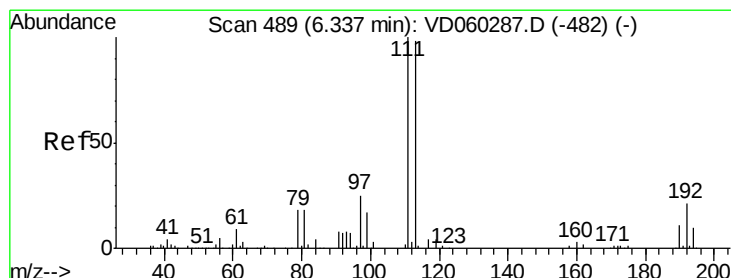
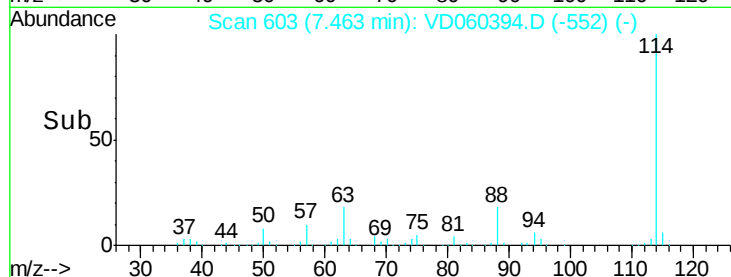
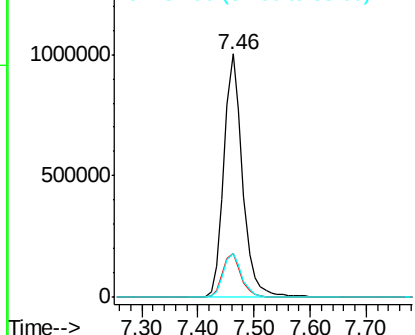
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060394.D
 Acq: 16 Nov 2018 13:21

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-08(20-22)

Tgt Ion:114 Resp: 2330021
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 18.2 0.0 35.4

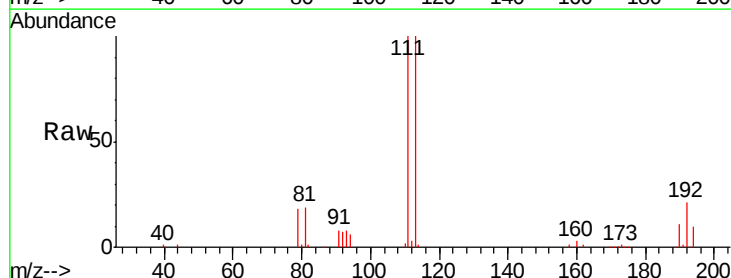


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

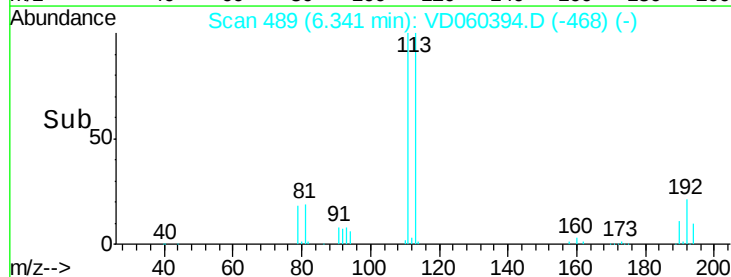
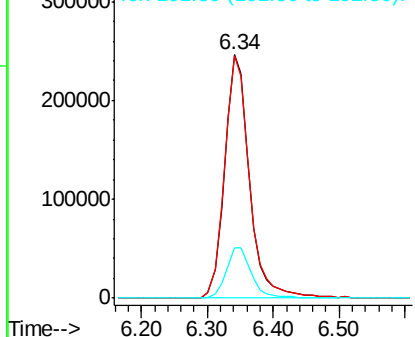


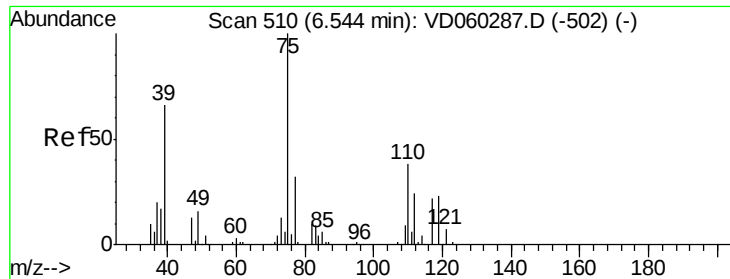
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060394.D
 Acq: 16 Nov 2018 13:21

Tgt Ion:113 Resp: 647583
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.6 122.4
 192 20.6 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: 4.87 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.12 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

FDSB-08(20-22)

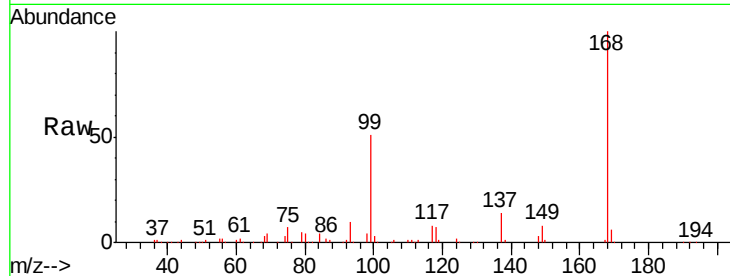
Tgt Ion: 75 Resp: 112189

Ion Ratio Lower Upper

75 100

110 7.4 18.0 54.0#

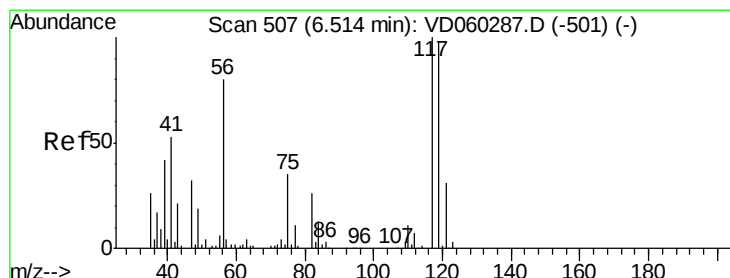
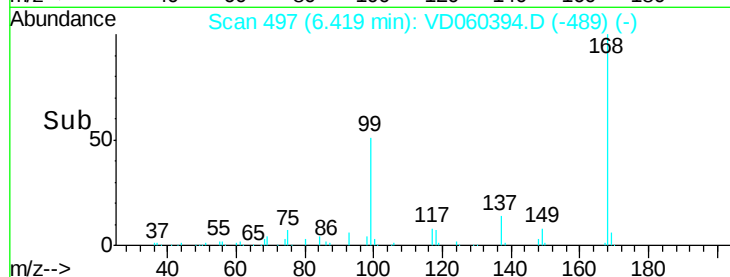
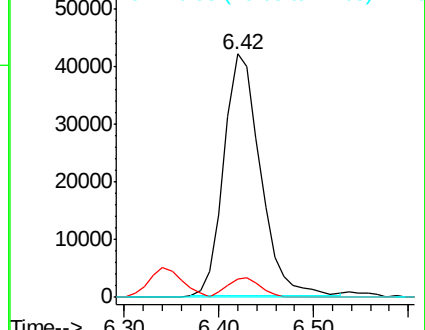
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.08 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.09 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

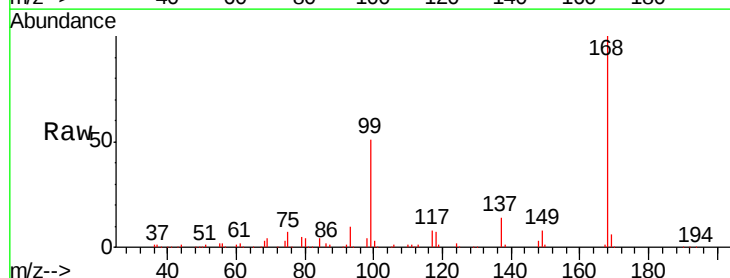
Tgt Ion: 117 Resp: 129741

Ion Ratio Lower Upper

117 100

119 6.2 76.6 115.0#

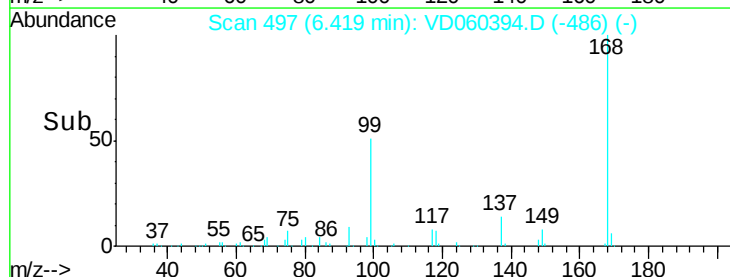
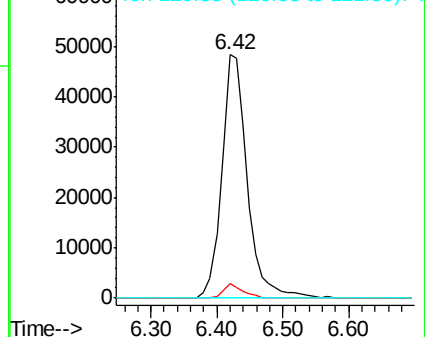
121 0.0 24.3 36.5#

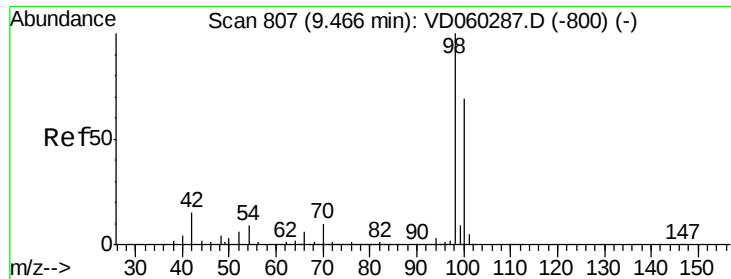


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

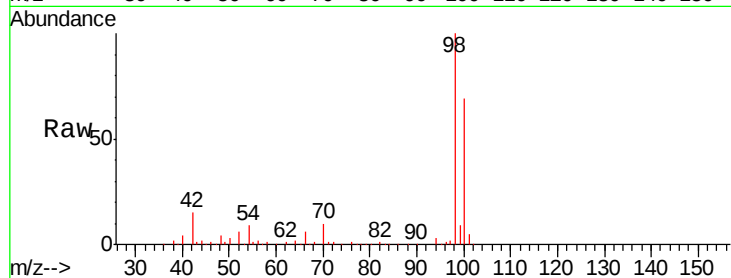
FDSB-08(20-22)

Tgt Ion: 98 Resp: 1837968

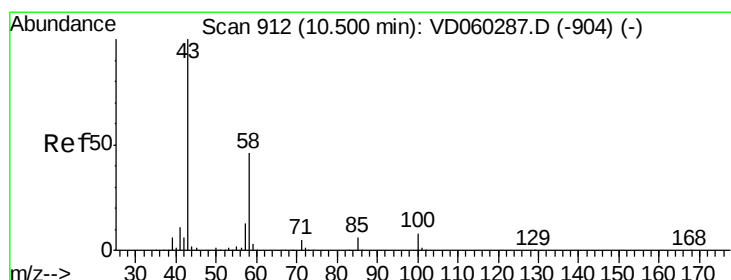
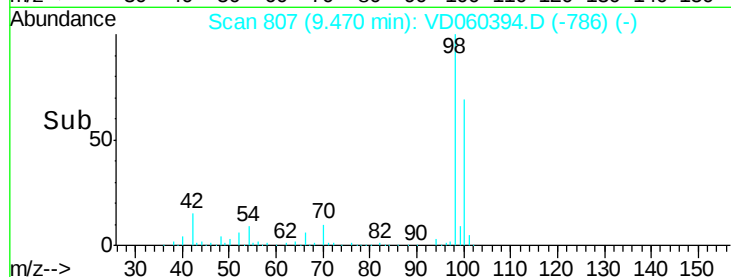
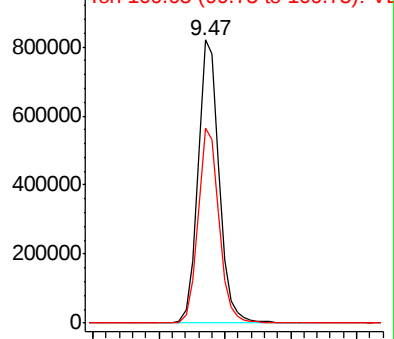
Ion Ratio Lower Upper

98 100

100 68.9 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD060287.D (-800) (-)



#59

2-Hexanone

Concen: 1.58 ug/l

RT: 10.45 min Scan# 907

Delta R.T. -0.05 min

Lab File: VD060394.D

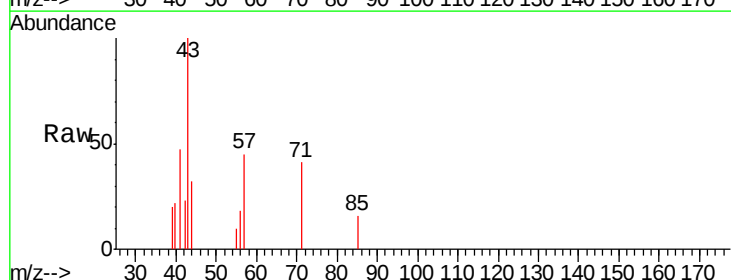
Acq: 16 Nov 2018 13:21

Tgt Ion: 43 Resp: 9783

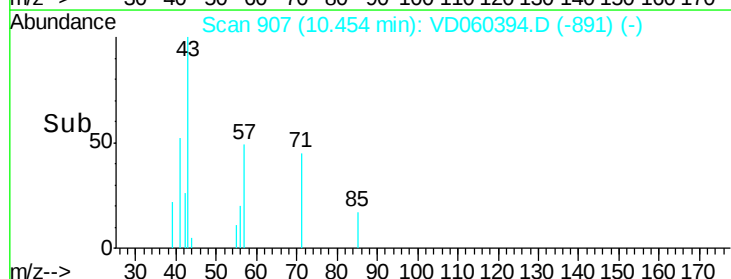
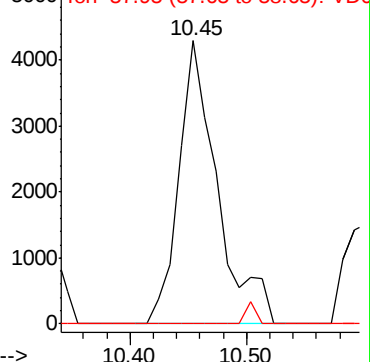
Ion Ratio Lower Upper

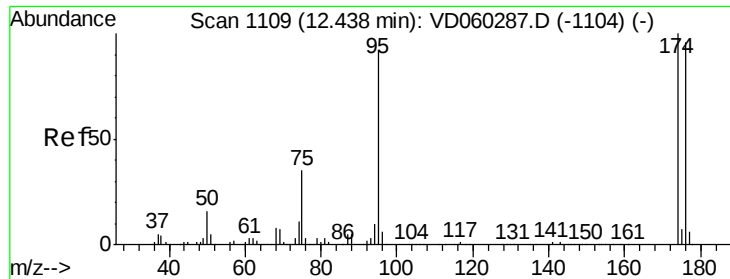
43 100

58 0.0 22.9 68.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060287.D (-904) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

FDSB-08(20-22)

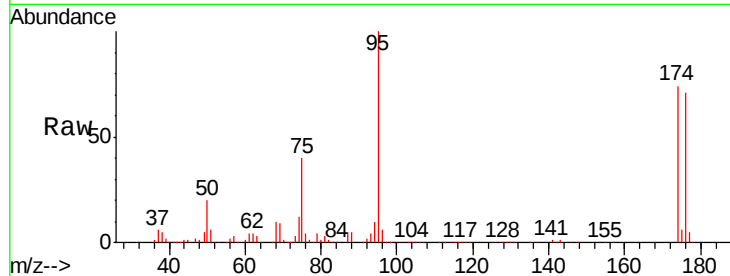
Tgt Ion: 95 Resp: 685650

Ion Ratio Lower Upper

95 100

174 74.3 0.0 160.8

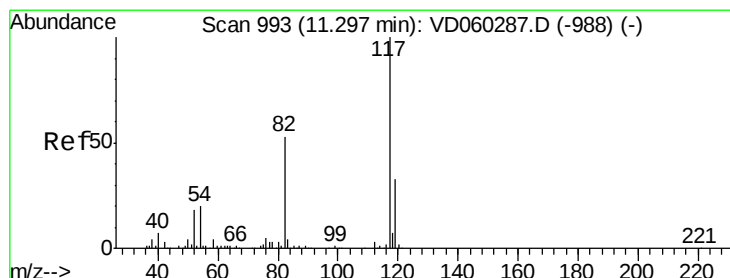
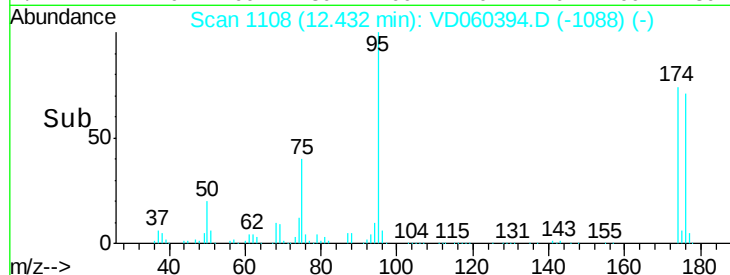
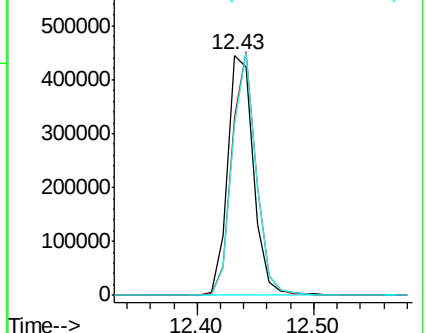
176 71.0 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.30 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

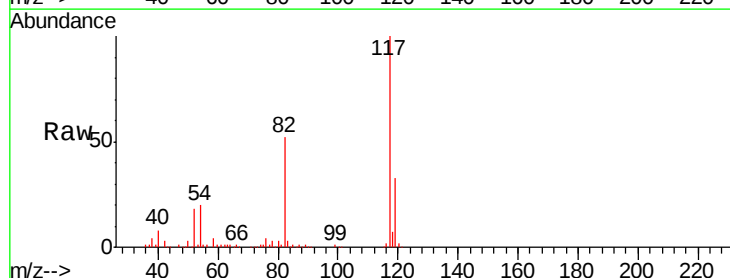
Tgt Ion: 117 Resp: 1894414

Ion Ratio Lower Upper

117 100

82 51.8 43.7 65.5

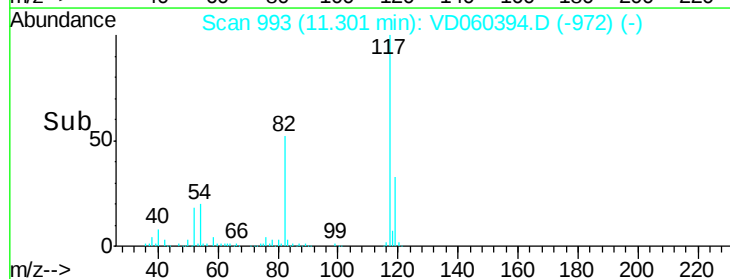
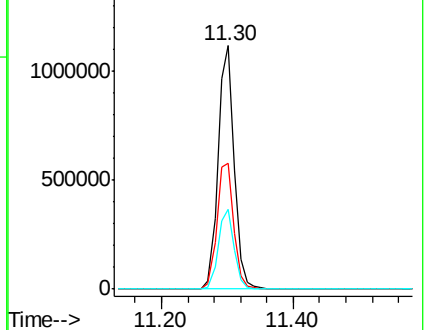
119 32.9 26.1 39.1

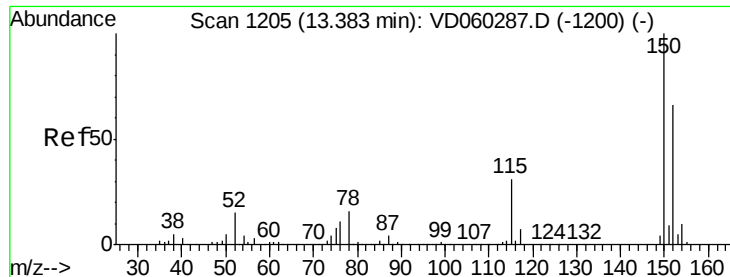


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.39 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

FDSB-08(20-22)

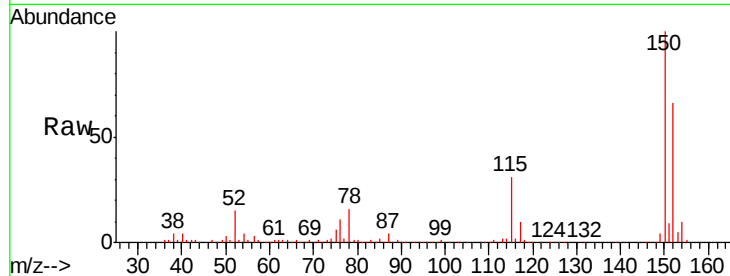
Tgt Ion:152 Resp: 945671

Ion Ratio Lower Upper

152 100

115 47.0 24.1 72.3

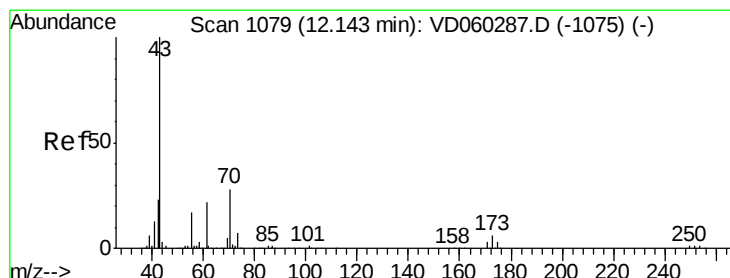
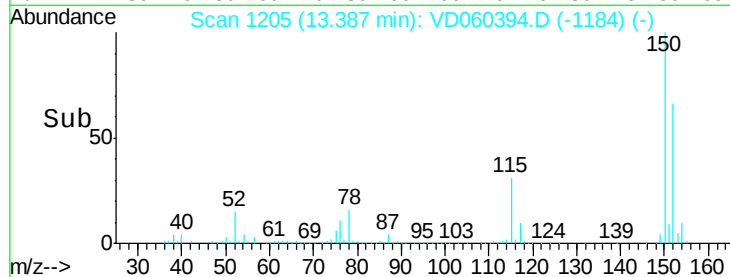
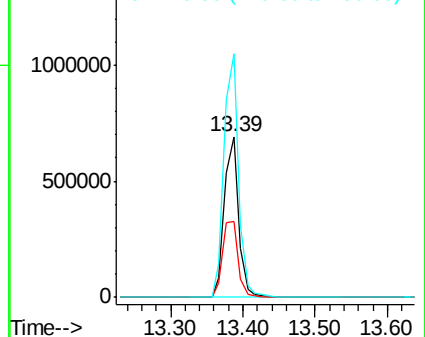
150 151.4 0.0 310.6



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: 1.62 ug/l

RT: 12.10 min Scan# 1074

Delta R.T. -0.05 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Tgt Ion: 43 Resp: 28587

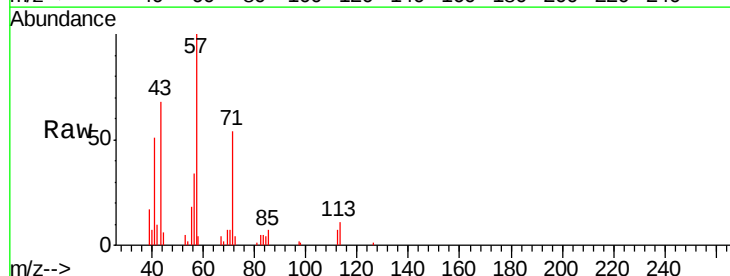
Ion Ratio Lower Upper

43 100

70 9.8 23.0 34.4#

55 26.0 14.2 21.4#

61 0.0 17.8 26.8#

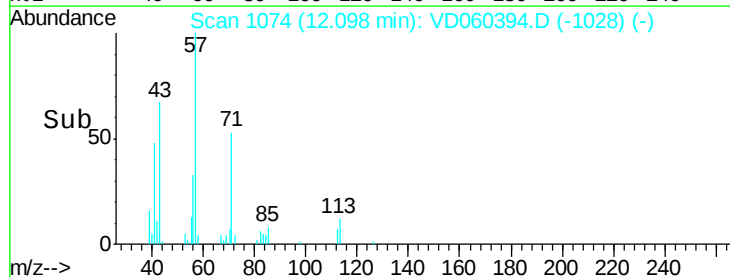
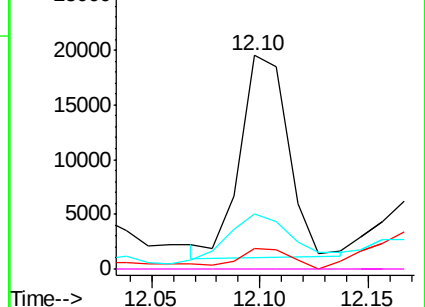


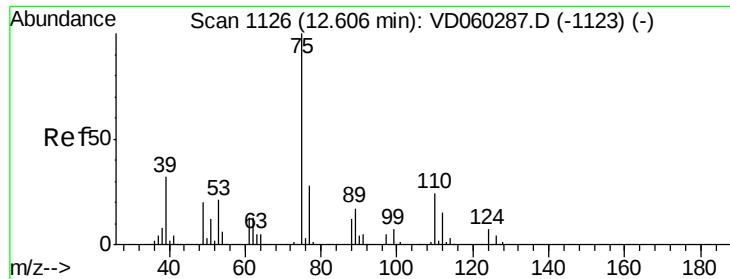
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#76

1,2,3-Trichloropropane

Concen: 20.80 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.17 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

Instrument :

MSVOA_D

ClientSampleId :

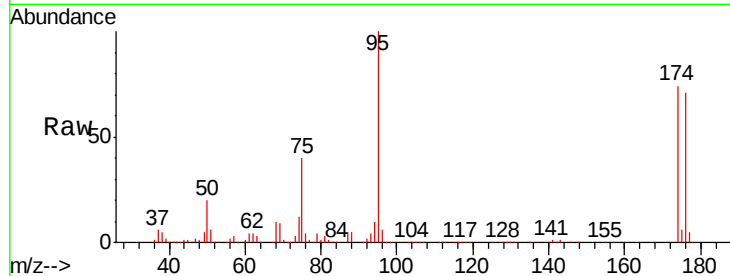
FDSB-08(20-22)

Tgt Ion: 75 Resp: 235280

Ion Ratio Lower Upper

75 100

77 1.4 16.4 49.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

200000

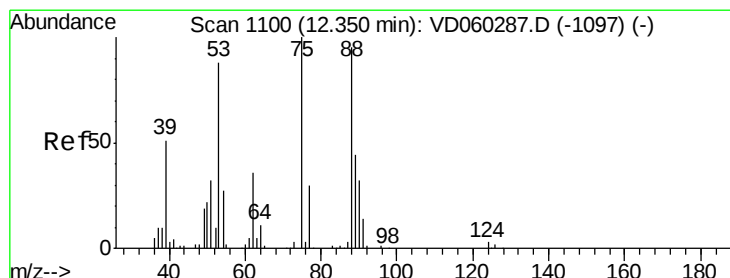
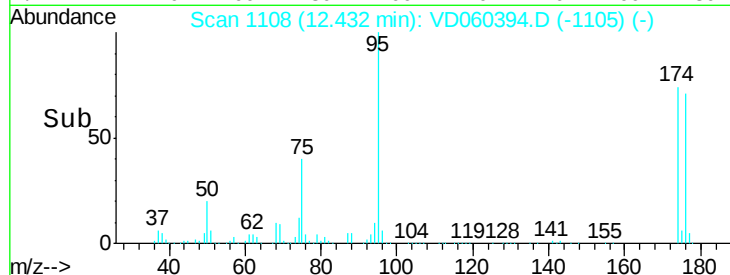
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 83.79 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060394.D

Acq: 16 Nov 2018 13:21

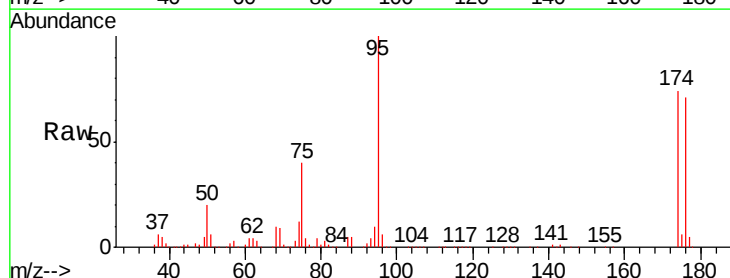
Tgt Ion: 75 Resp: 269867

Ion Ratio Lower Upper

75 100

53 0.2 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

12.43

200000

150000

100000

50000

0

Time-->

