

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060438.D
 Acq On : 21 Nov 2018 13:12
 Operator : JC/SY
 Sample : J5951-02
 Misc : 5.02g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-02(21-23)RE

Quant Time: Nov 21 14:01:01 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	6.40	168	6081	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	9215	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	8813	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	4037	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	3776	86.72	ug/l	-0.03
Spiked Amount			Recovery	=	173.44%	
35) Dibromofluoromethane	6.32	113	3059	44.52	ug/l	-0.02
Spiked Amount			Recovery	=	89.04%	
50) Toluene-d8	9.45	98	10005	49.75	ug/l	-0.01
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.43	95	3472	47.64	ug/l	-0.01
Spiked Amount			Recovery	=	95.28%	

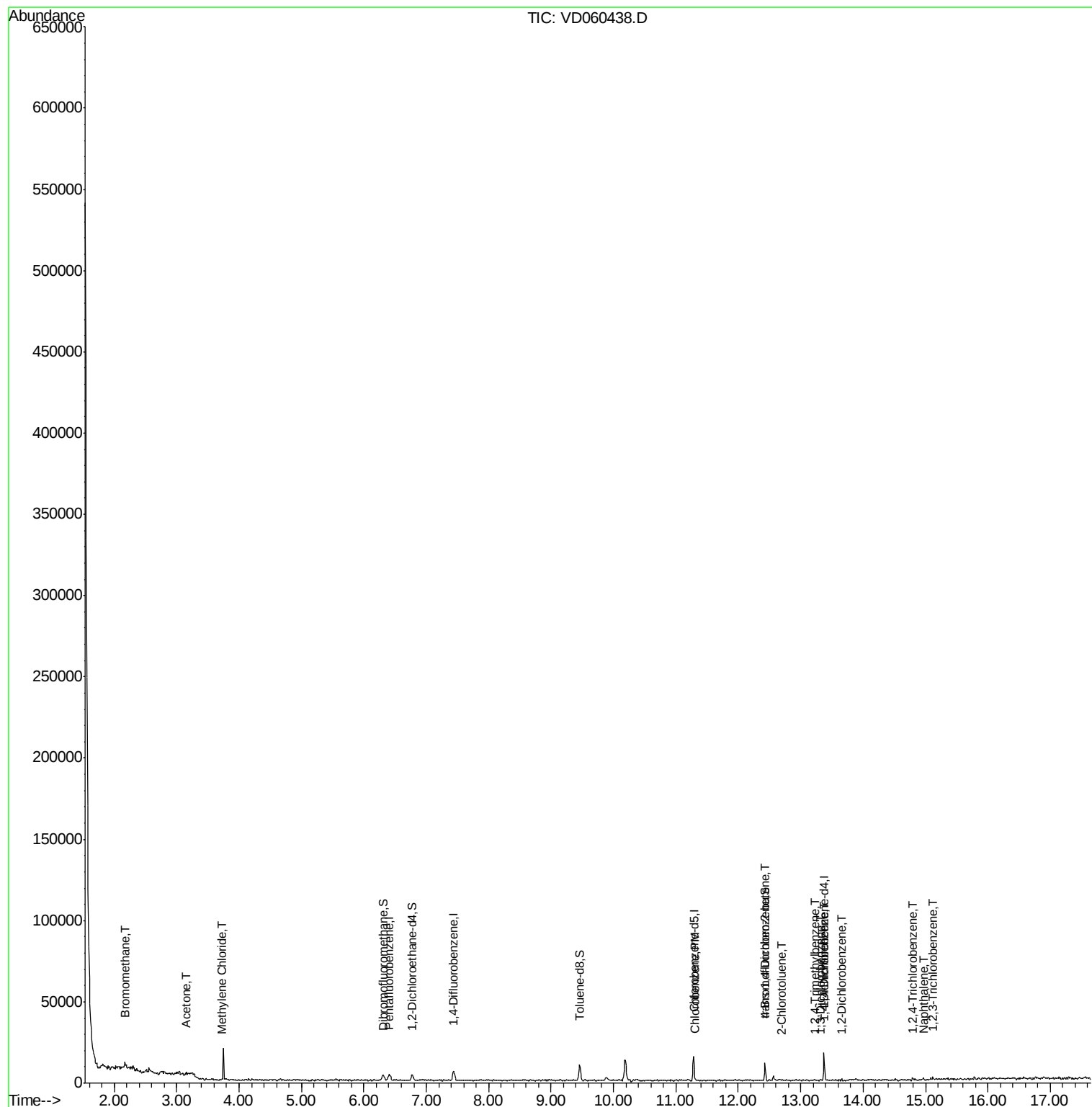
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	580	51.97	ug/l #	2
16) Acetone	3.16	43	269	35.62	ug/l #	55
20) Methylene Chloride	3.73	84	202	3.02	ug/l #	53
65) Chlorobenzene	11.31	112	234	1.23	ug/l #	42
79) 2-Chlorotoluene	12.70	91	208	1.03	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.43	75	1424	103.57	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.22	105	275	1.20	ug/l #	32
87) 1,3-Dichlorobenzene	13.31	146	453	3.26	ug/l #	61
88) 1,4-Dichlorobenzene	13.39	146	499	3.68	ug/l #	25
91) 1,2-Dichlorobenzene	13.66	146	240	2.10	ug/l #	49
93) 1,2,4-Trichlorobenzene	14.79	180	481	5.31	ug/l #	89
95) Naphthalene	14.97	128	1106	10.01	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.11	180	820	11.30	ug/l #	86

(#) = 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: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

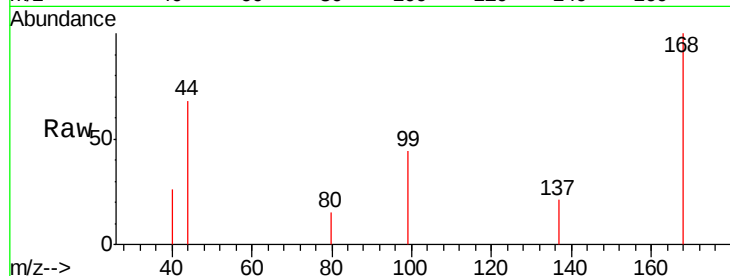
FDSB-02(21-23)RE

Tgt Ion:168 Resp: 6081

Ion Ratio Lower Upper

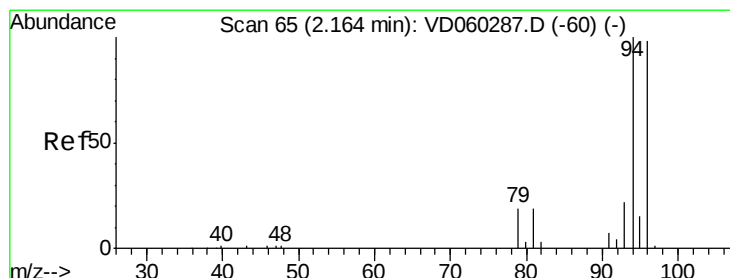
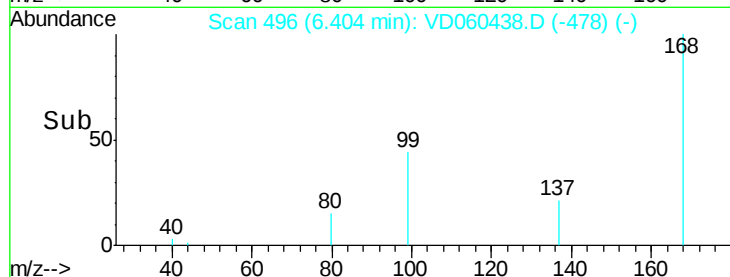
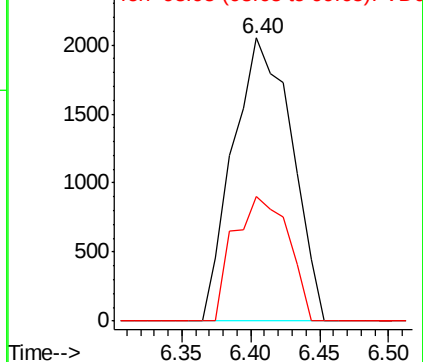
168 100

99 44.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 51.97 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060438.D

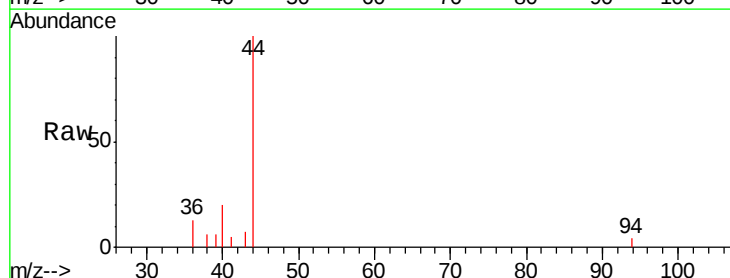
Acq: 21 Nov 2018 13:12

Tgt Ion: 94 Resp: 580

Ion Ratio Lower Upper

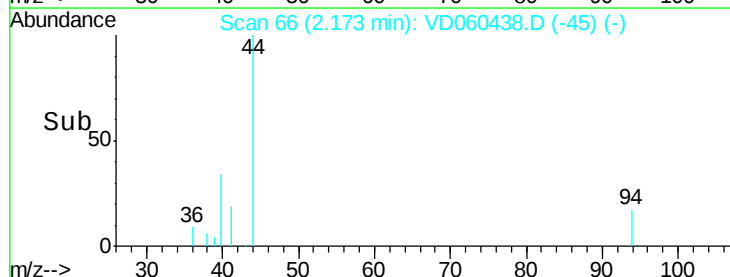
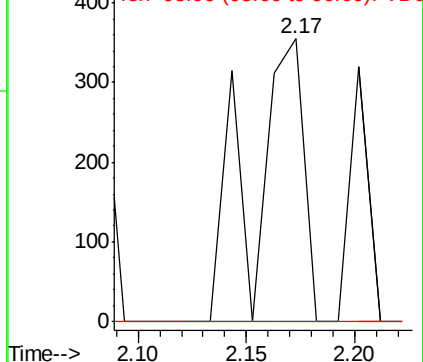
94 100

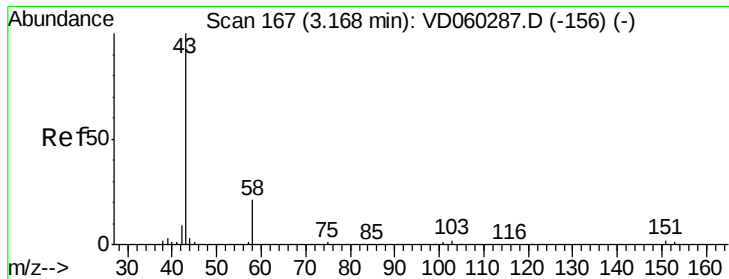
96 0.0 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 35.62 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

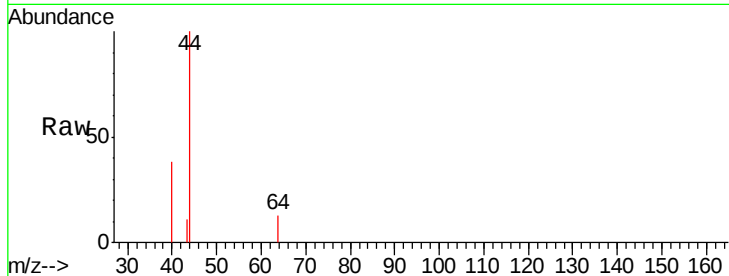
FDSB-02(21-23)RE

Tgt Ion: 43 Resp: 269

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

3.16

400

300

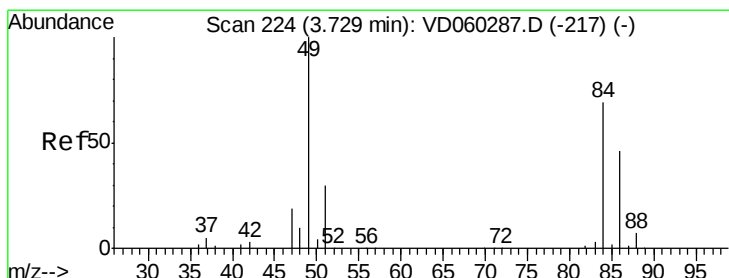
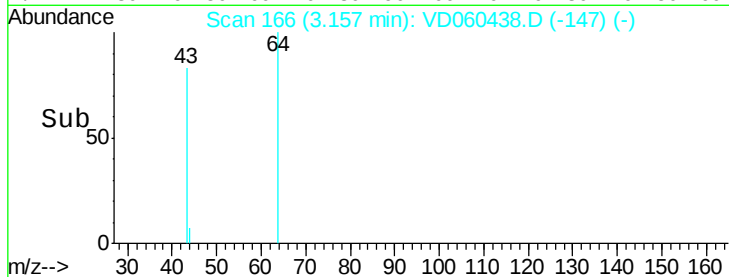
200

100

0

3.12 3.14 3.16 3.18

Time-->



#20

Methylene Chloride

Concen: 3.02 ug/l

RT: 3.73 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Tgt Ion: 84 Resp: 202

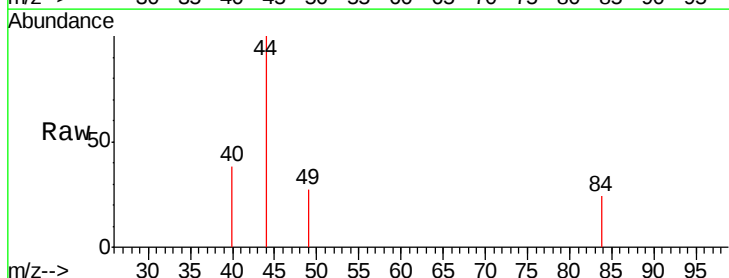
Ion Ratio Lower Upper

84 100

49 114.9 115.6 173.4#

51 0.0 35.6 53.4#

86 0.0 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

600

500

400

300

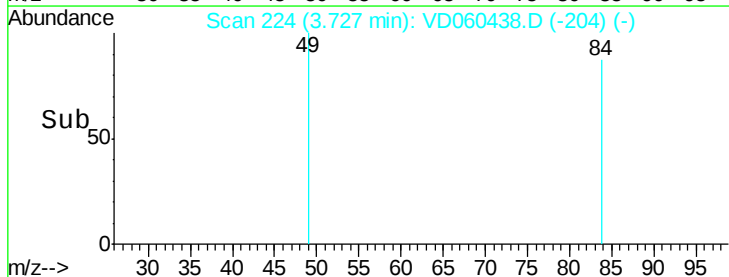
200

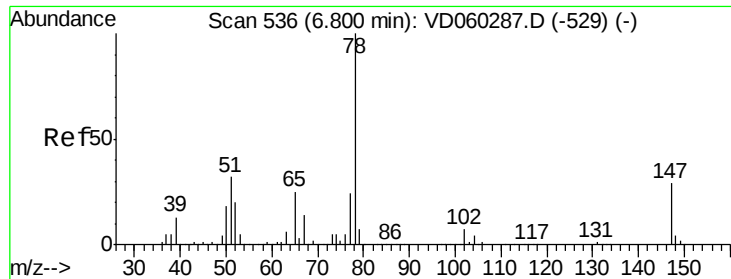
100

0

3.70 3.72 3.74 3.76

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

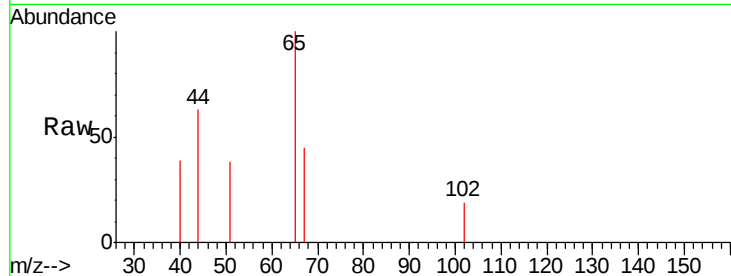
FDSB-02(21-23)RE

Tgt Ion: 65 Resp: 3776

Ion Ratio Lower Upper

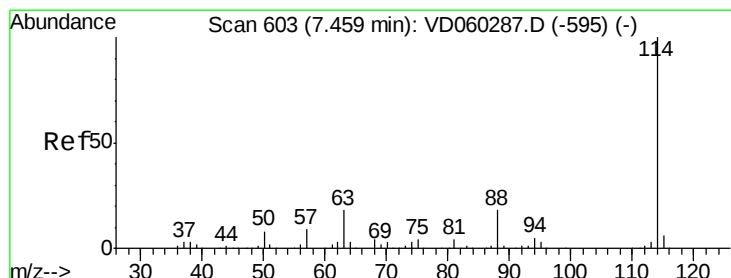
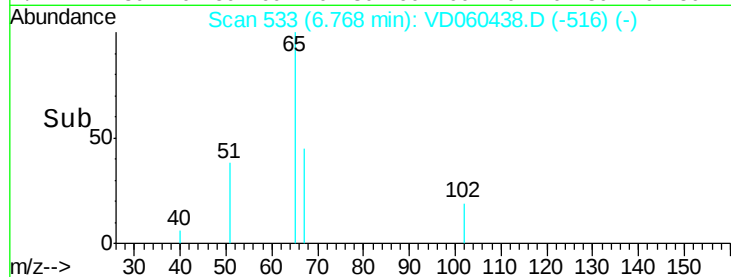
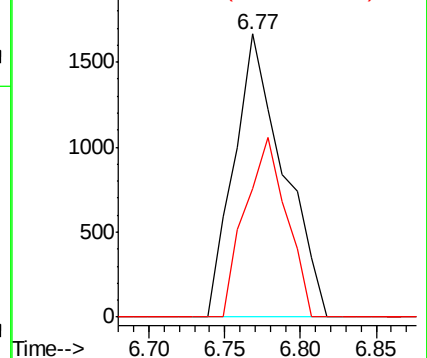
65 100

67 45.4 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: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

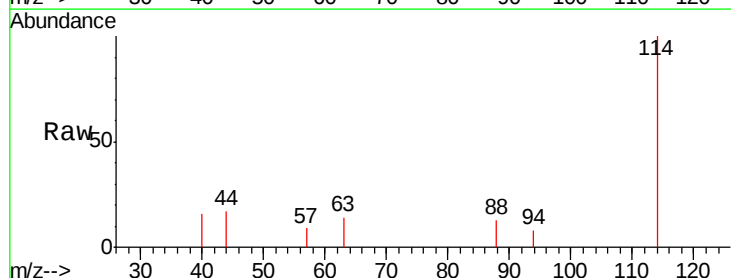
Tgt Ion: 114 Resp: 9215

Ion Ratio Lower Upper

114 100

63 14.1 0.0 34.0

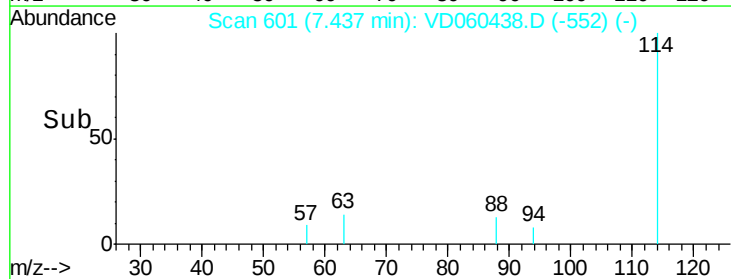
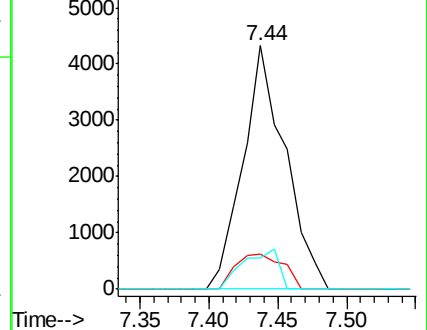
88 12.8 0.0 35.4

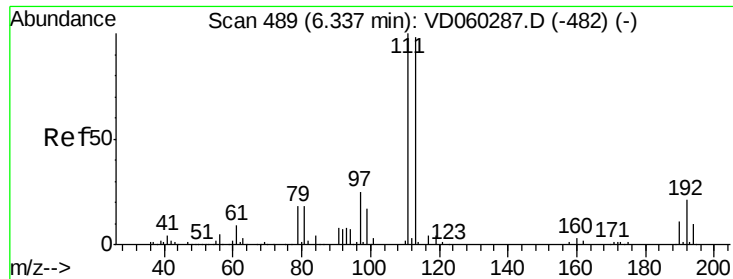


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.32 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

FDSB-02(21-23)RE

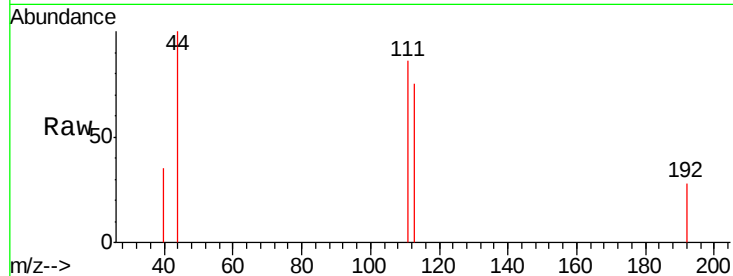
Tgt Ion:113 Resp: 3059

Ion Ratio Lower Upper

113 100

111 113.9 81.6 122.4

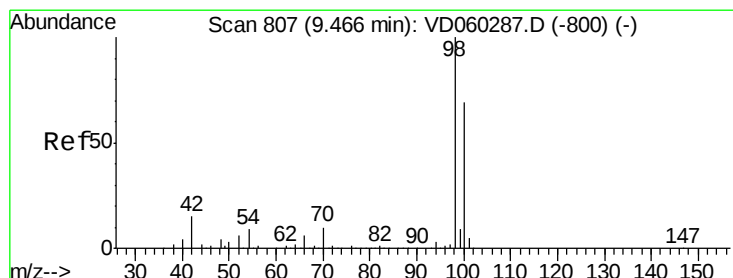
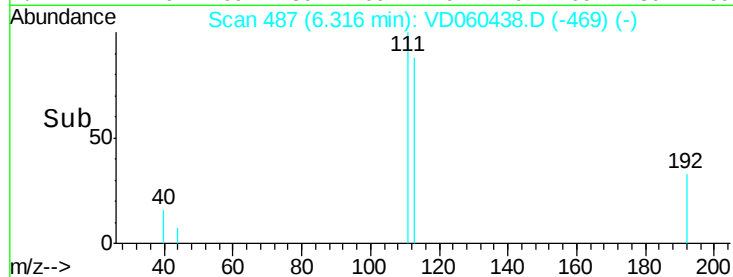
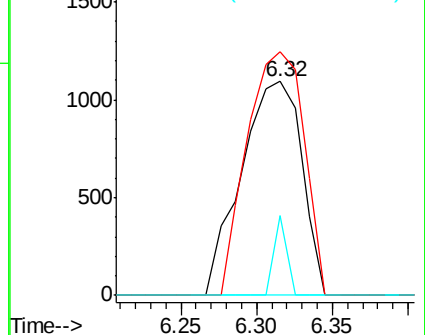
192 37.1 16.5 24.7#



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: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060438.D

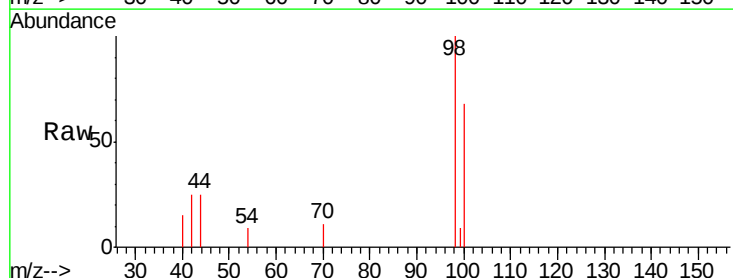
Acq: 21 Nov 2018 13:12

Tgt Ion: 98 Resp: 10005

Ion Ratio Lower Upper

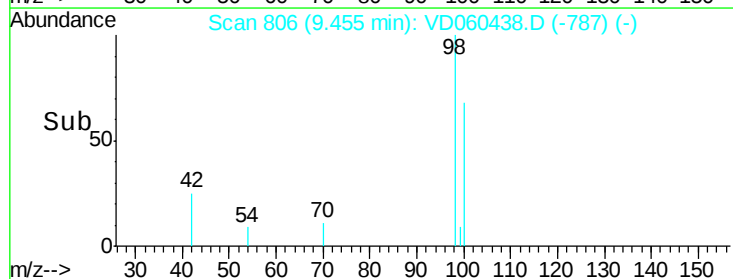
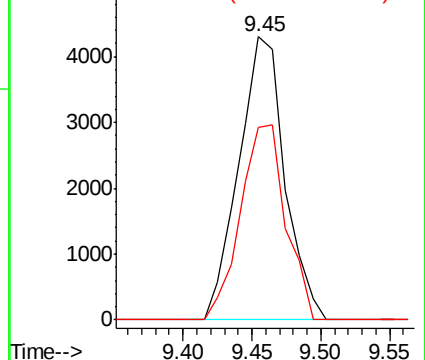
98 100

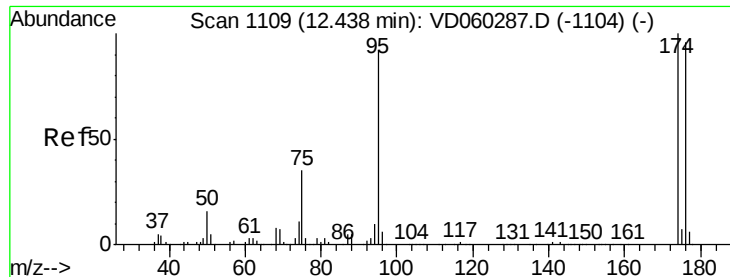
100 68.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

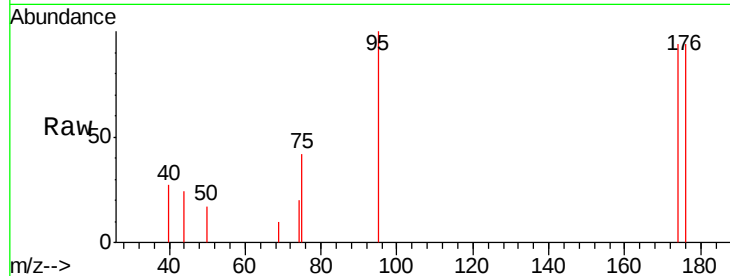




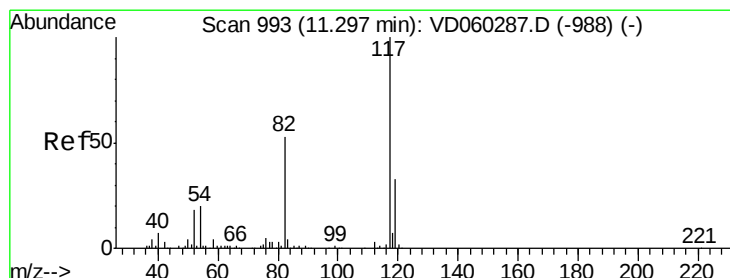
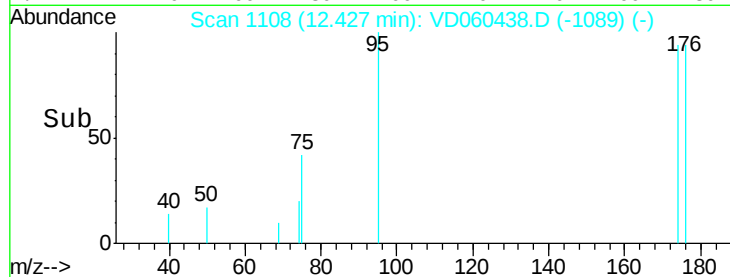
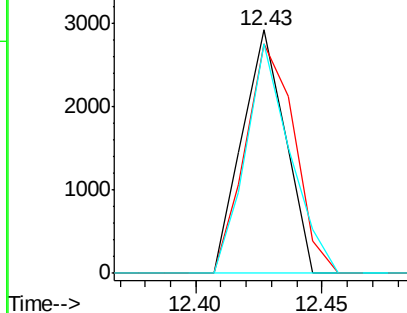
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060438.D
Acq: 21 Nov 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
FDSB-02(21-23)RE

Tgt Ion: 95 Resp: 3472
Ion Ratio Lower Upper
95 100
174 94.1 0.0 160.8
176 94.4 0.0 154.6

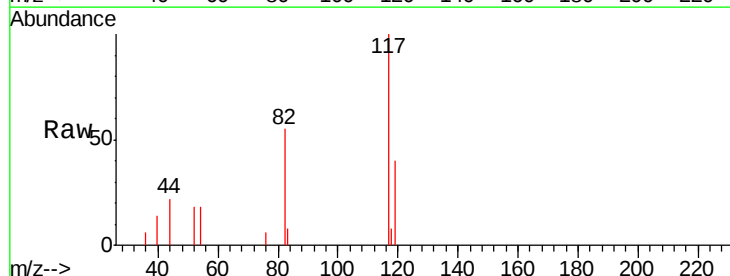


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

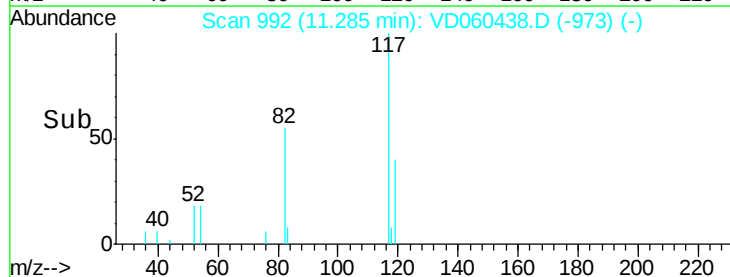
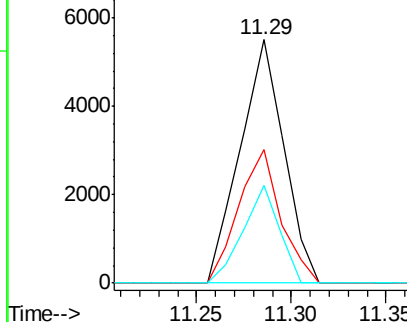


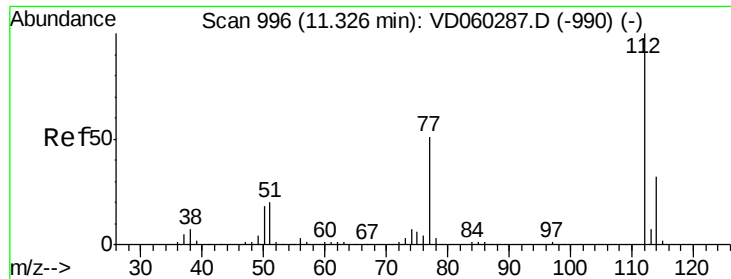
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060438.D
Acq: 21 Nov 2018 13:12

Tgt Ion: 117 Resp: 8813
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 40.1 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





#65

Chlorobenzene

Concen: 1.23 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

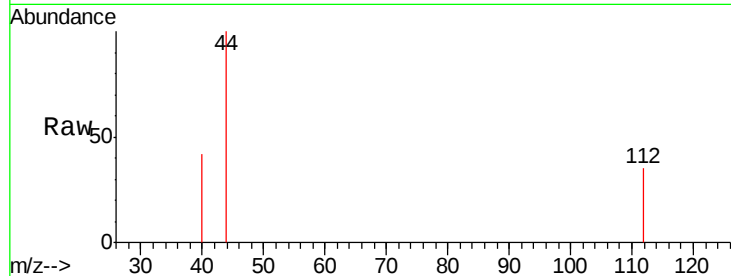
FDSB-02(21-23)RE

Tgt Ion:112 Resp: 234

Ion Ratio Lower Upper

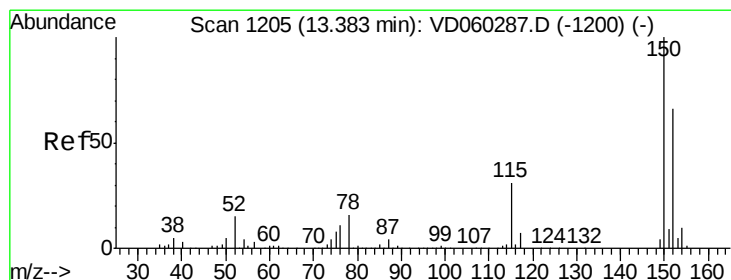
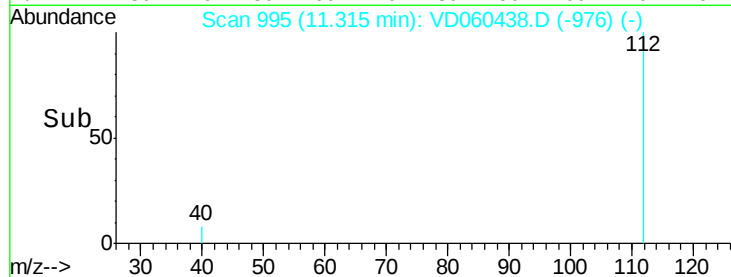
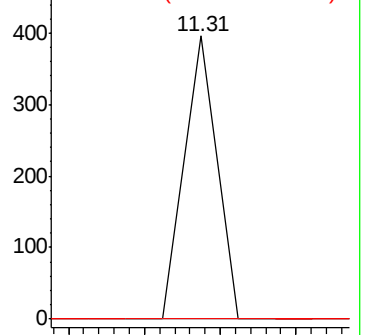
112 100

114 0.0 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

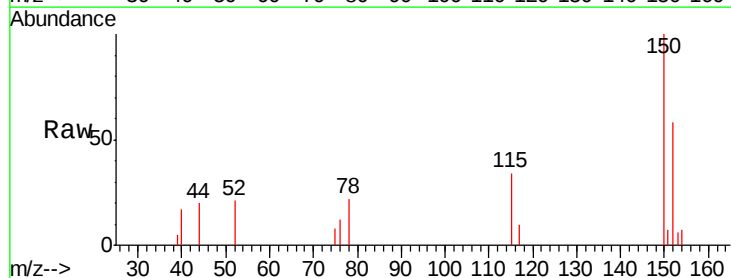
Tgt Ion:152 Resp: 4037

Ion Ratio Lower Upper

152 100

115 59.5 24.1 72.3

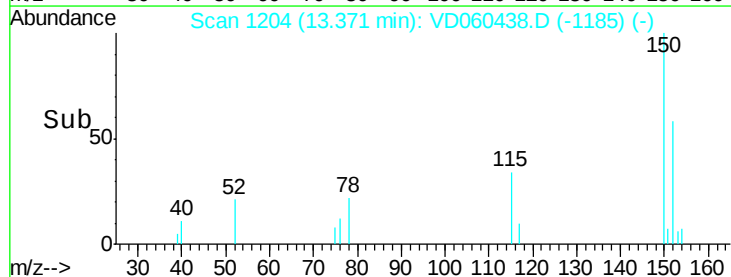
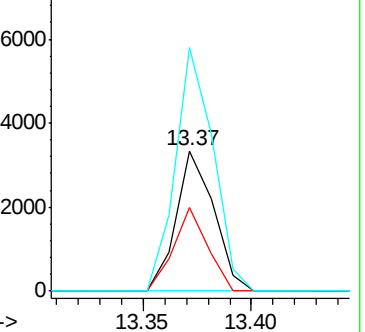
150 173.3 0.0 310.6

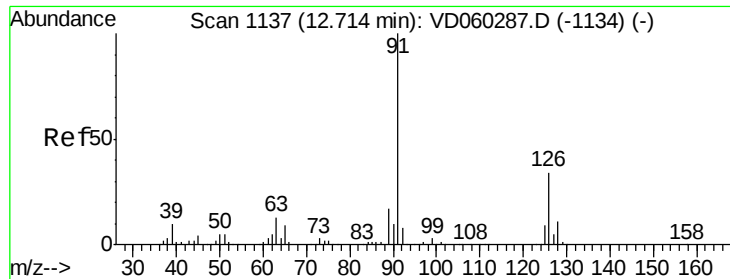


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

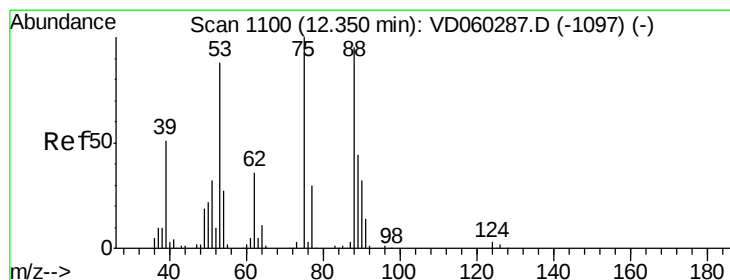
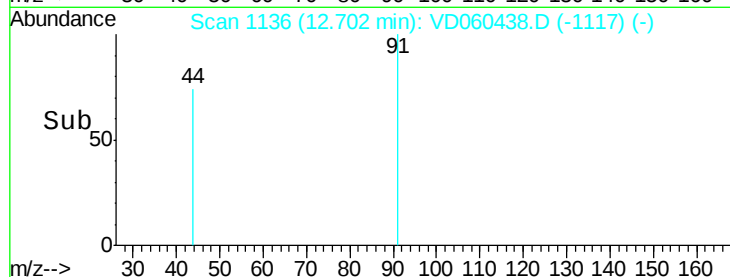
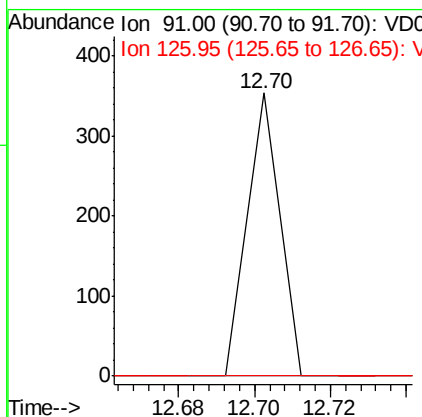
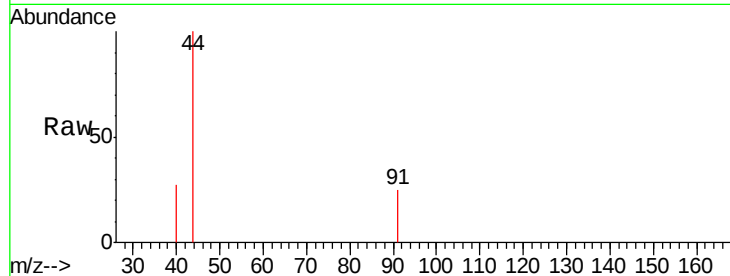




#79
2-Chlorotoluene
Concen: 1.03 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060438.D
Acq: 21 Nov 2018 13:12

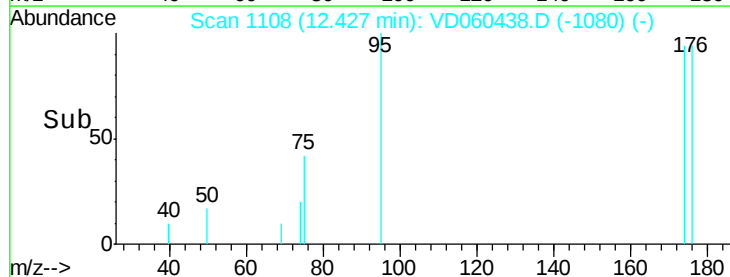
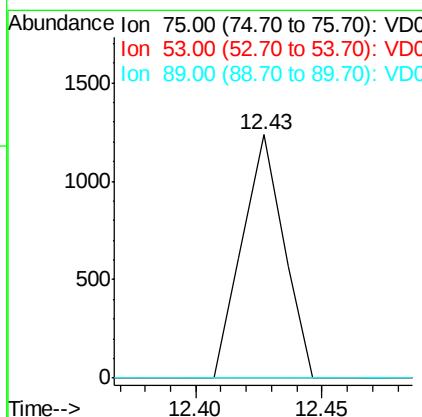
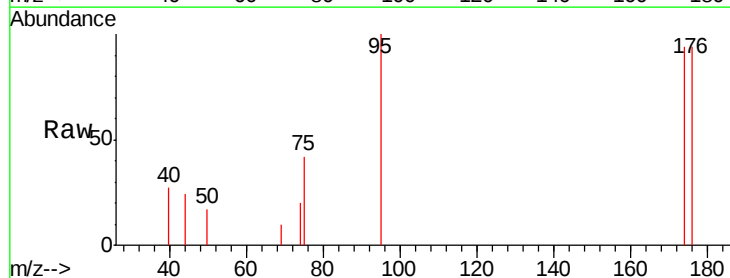
Instrument :
MSVOA_D
ClientSampleId :
FDSB-02(21-23)RE

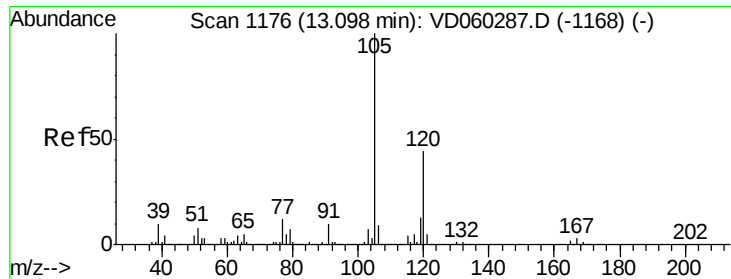
Tgt Ion: 91 Resp: 208
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.57 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.08 min
Lab File: VD060438.D
Acq: 21 Nov 2018 13:12

Tgt Ion: 75 Resp: 1424
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 34.1 51.1#





#84

1,2,4-Trimethylbenzene

Concen: 1.20 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.13 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

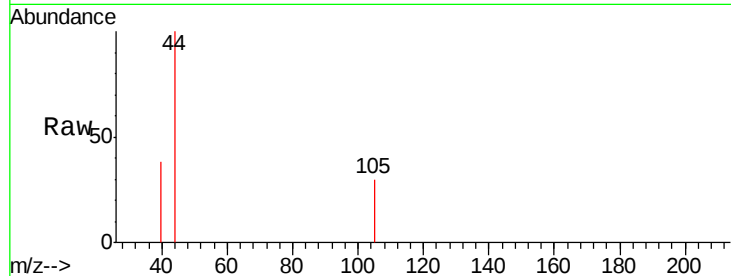
FDSB-02(21-23)RE

Tgt Ion:105 Resp: 275

Ion Ratio Lower Upper

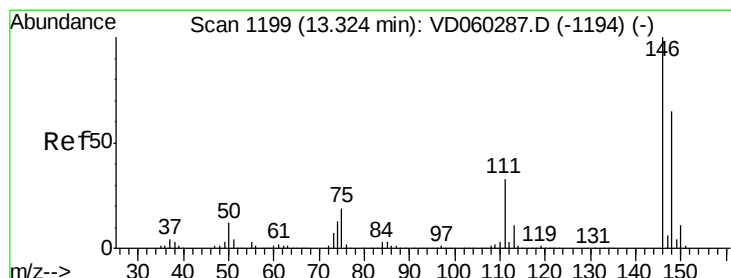
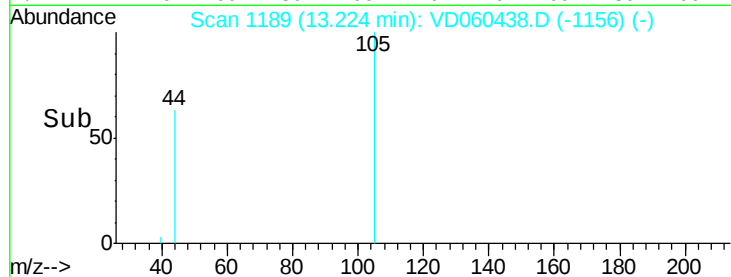
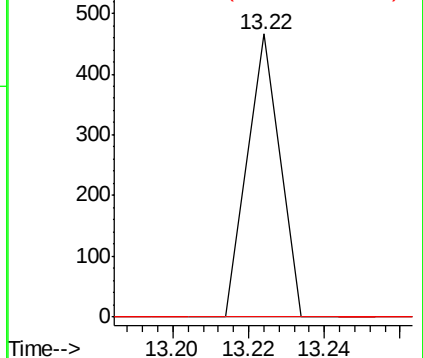
105 100

120 0.0 21.9 65.8#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#87

1,3-Dichlorobenzene

Concen: 3.26 ug/l

RT: 13.31 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD060438.D

Acq: 21 Nov 2018 13:12

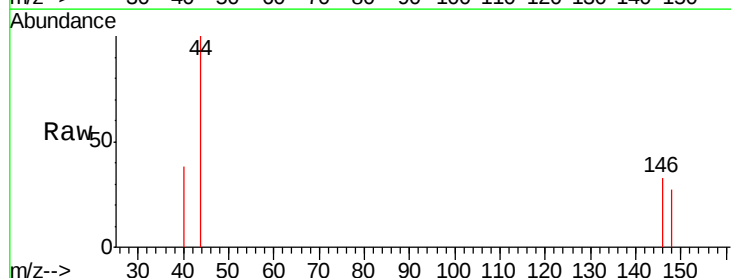
Tgt Ion:146 Resp: 453

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

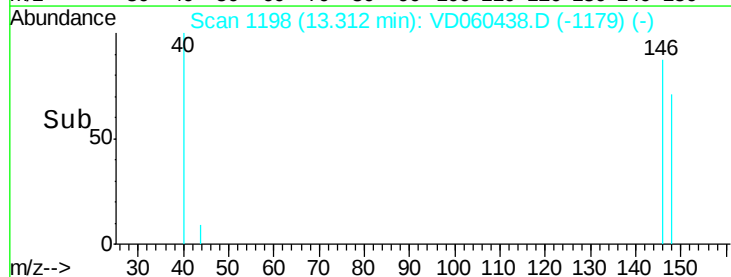
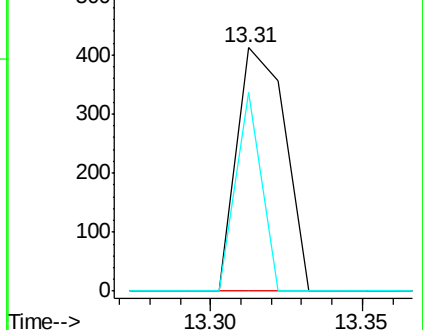
148 81.6 32.0 96.0

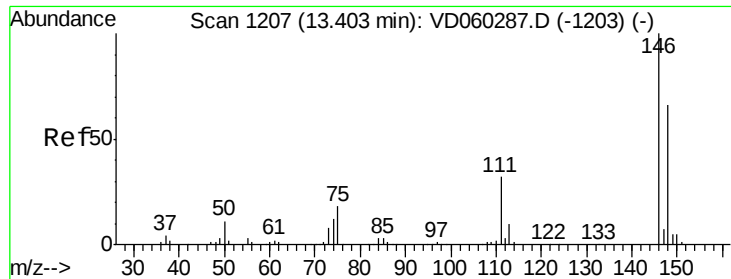


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

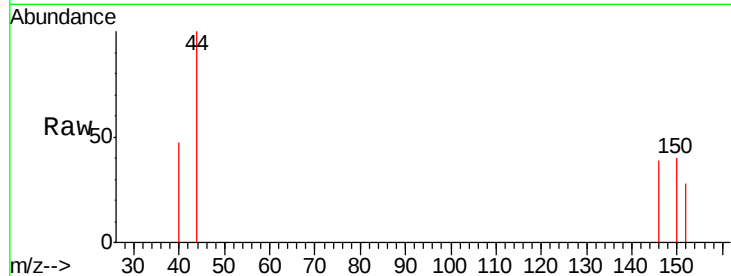




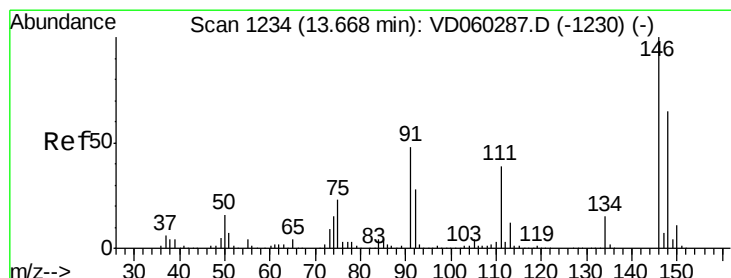
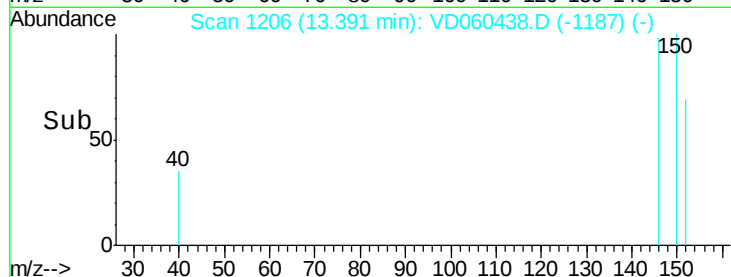
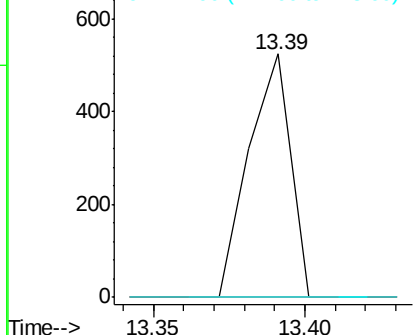
#88
 1,4-Dichlorobenzene
 Concen: 3.68 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060438.D
 Acq: 21 Nov 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-02(21-23)RE

Tgt Ion:146 Resp: 499
 Ion Ratio Lower Upper
 146 100
 111 0.0 16.0 47.9#
 148 0.0 32.9 98.7#

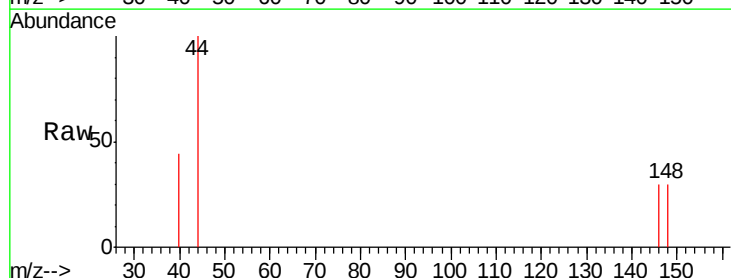


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

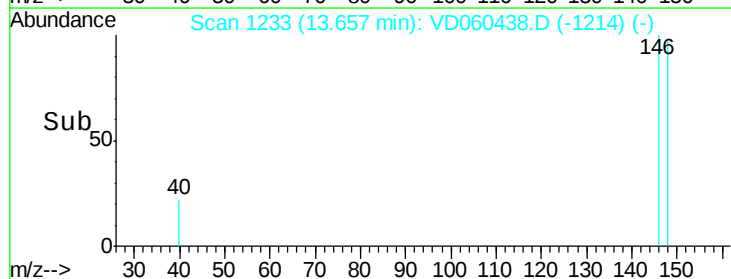
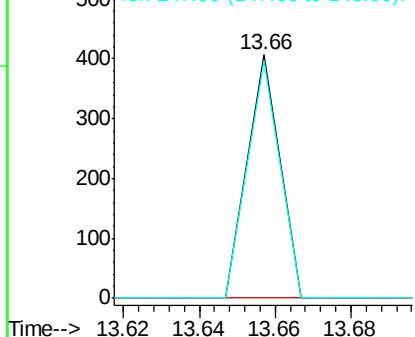


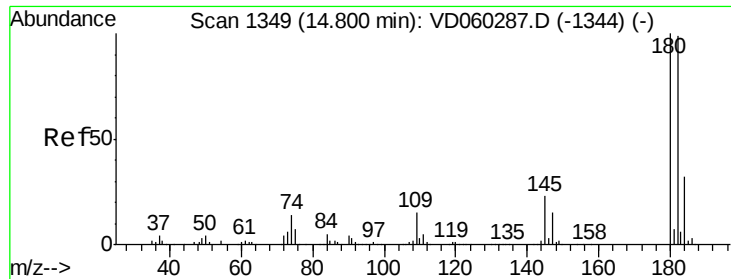
#91
 1,2-Dichlorobenzene
 Concen: 2.10 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060438.D
 Acq: 21 Nov 2018 13:12

Tgt Ion:146 Resp: 240
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 97.3 31.6 94.8#



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

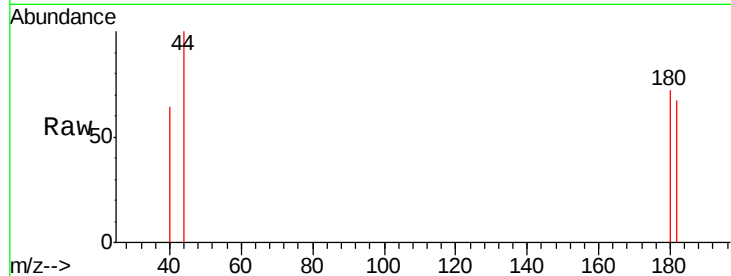




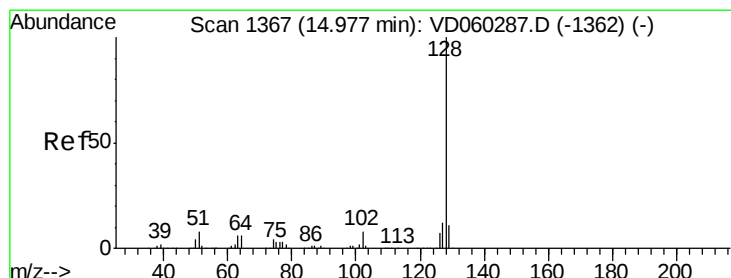
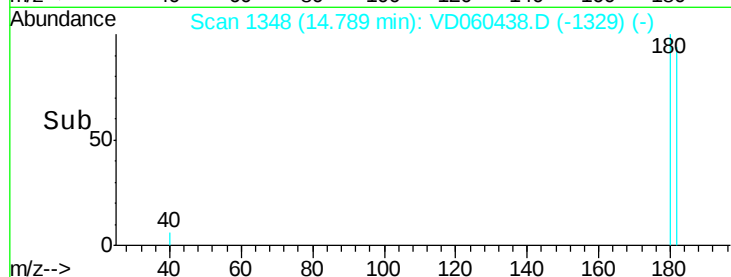
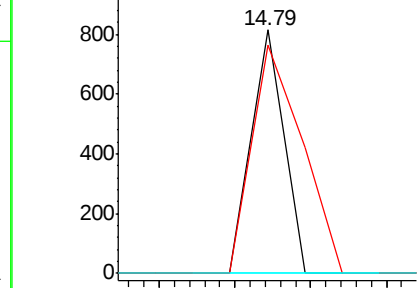
#93
 1,2,4-Trichlorobenzene
 Concen: 5.31 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060438.D
 Acq: 21 Nov 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-02(21-23)RE

Tgt Ion:180 Resp: 481
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.1 144.4
 145 0.0 11.5 34.4#

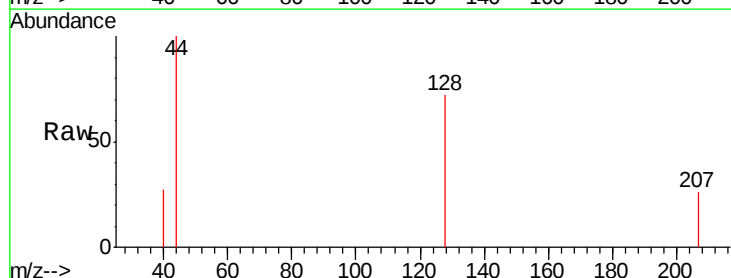


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

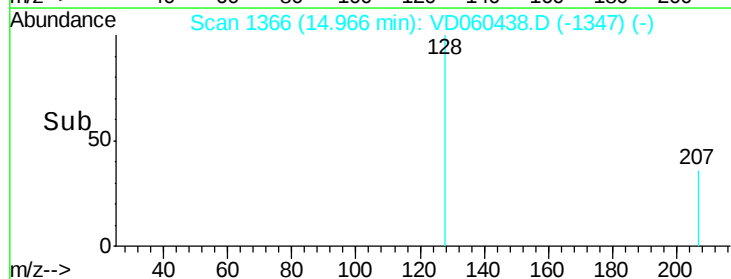
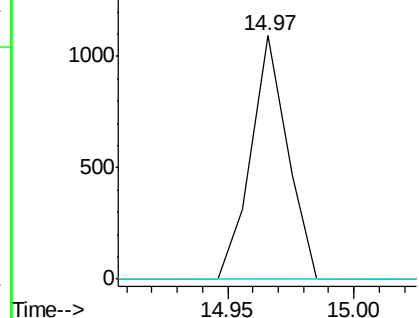


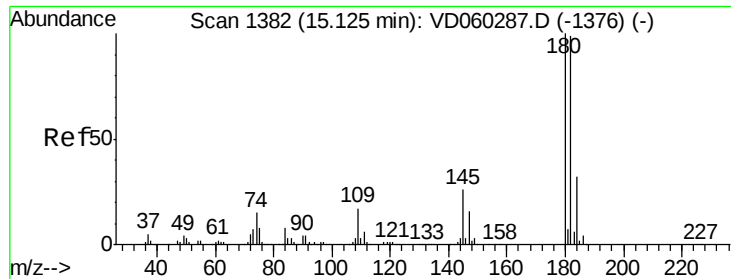
#95
 Naphthalene
 Concen: 10.01 ug/l
 RT: 14.97 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VD060438.D
 Acq: 21 Nov 2018 13:12

Tgt Ion:128 Resp: 1106
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.6 14.4#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 11.30 ug/l
 RT: 15.11 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VD060438.D
 Acq: 21 Nov 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-02(21-23)RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.9	146.7
145	0.0	12.9	38.6

