

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062938.D
 Acq On : 27 Jun 2019 18:17
 Operator : VA/AP
 Sample : K3533-02RE
 Misc : 7.25g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-EF-01-013-ABCDRE

Quant Time: Jun 28 04:55:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	520101	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	631393	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	296705	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	100210	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	279052	49.36	ug/l	-0.04
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	6.90	113	301376	56.61	ug/l	-0.03
Spiked Amount			Recovery	=	113.22%	
50) Toluene-d8	10.39	98	306087	26.42	ug/l	-0.03
Spiked Amount			Recovery	=	52.84%	
62) 4-Bromofluorobenzene	13.55	95	136699	25.95	ug/l	-0.01
Spiked Amount			Recovery	=	51.90%	

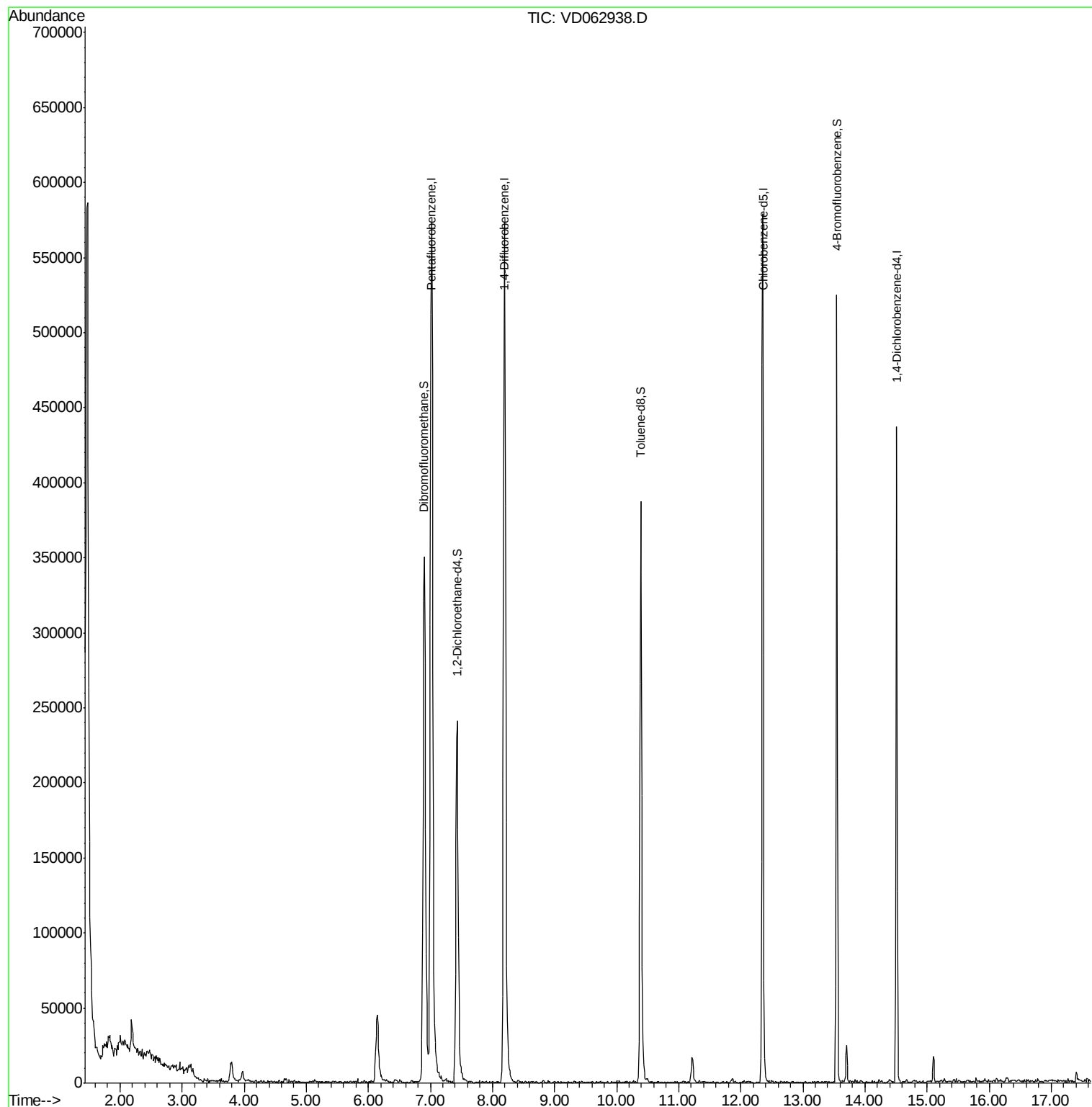
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

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Instrument :

MSVOA_D

ClientSampleId :

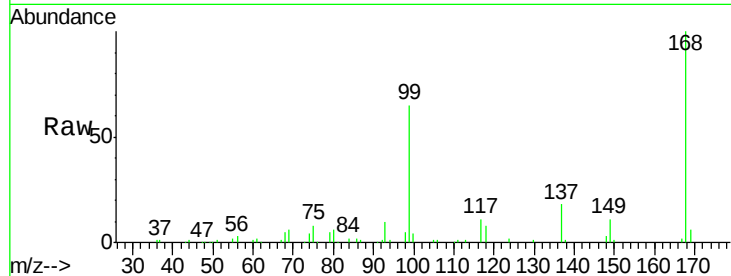
FK-EF-01-013-ABCDRE

Tot Ion:168 Resp: 520101

Ion Ratio Lower Upper

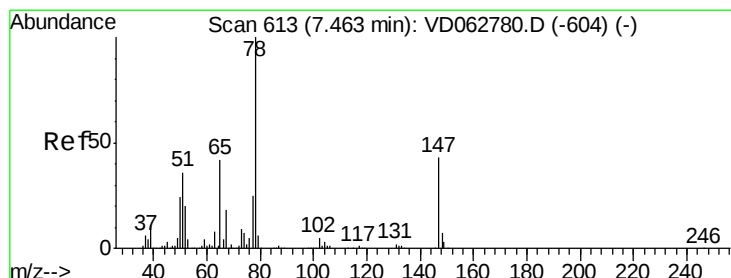
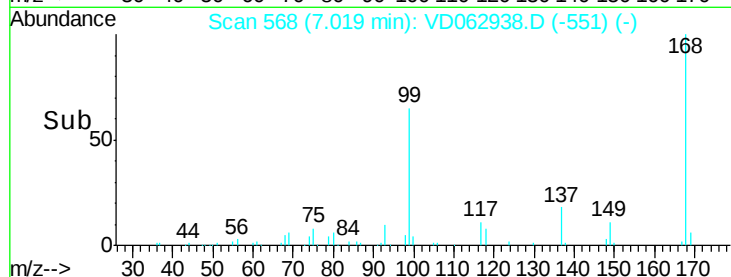
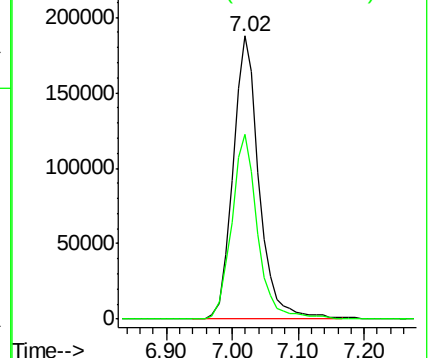
168 100

99 65.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.360 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062938.D

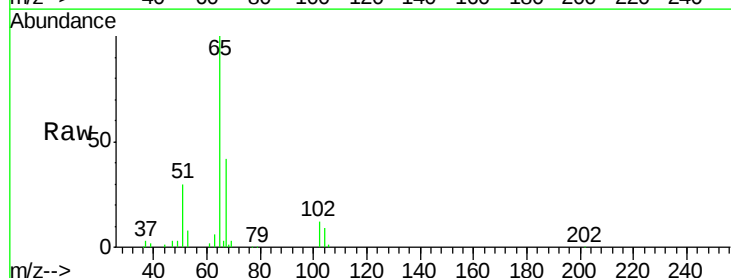
Acq: 27 Jun 2019 18:17

Tgt Ion: 65 Resp: 279052

Ion Ratio Lower Upper

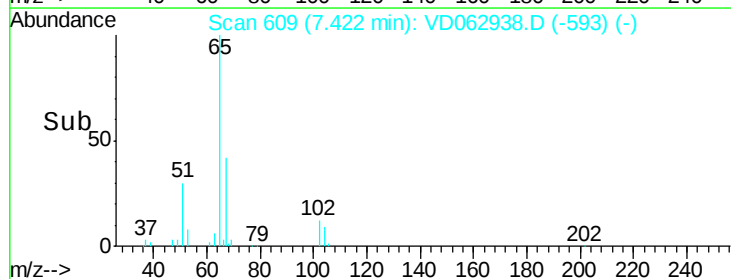
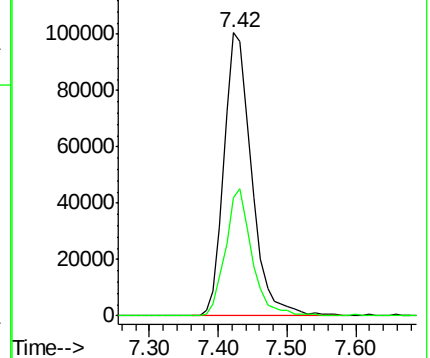
65 100

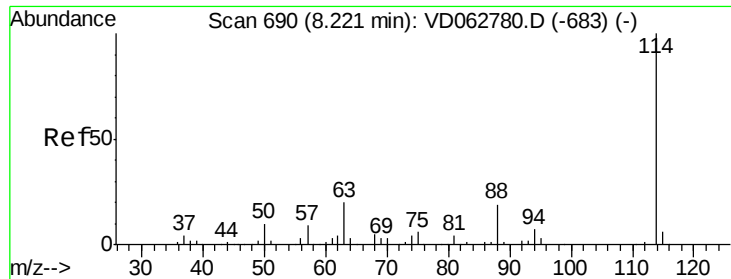
67 41.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

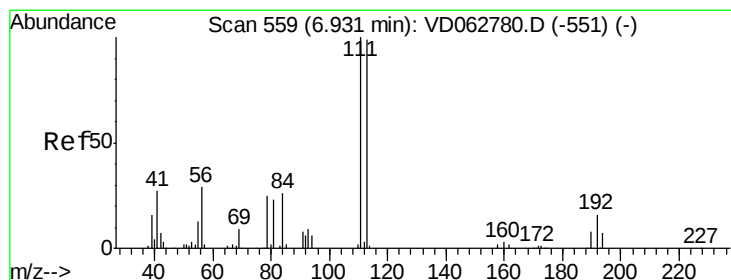
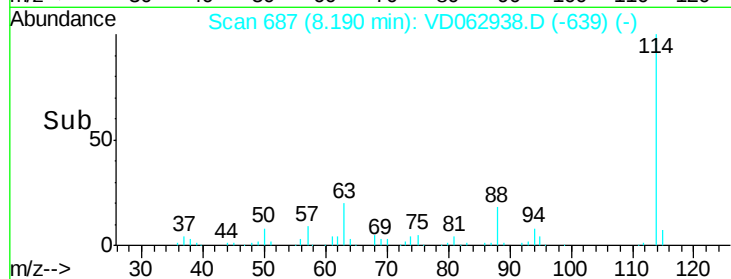
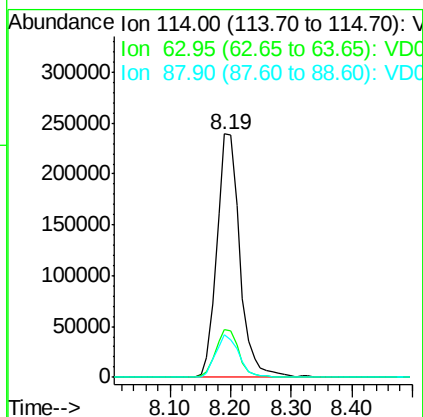
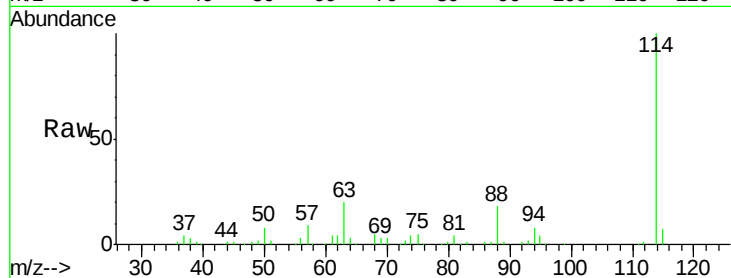




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.03 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

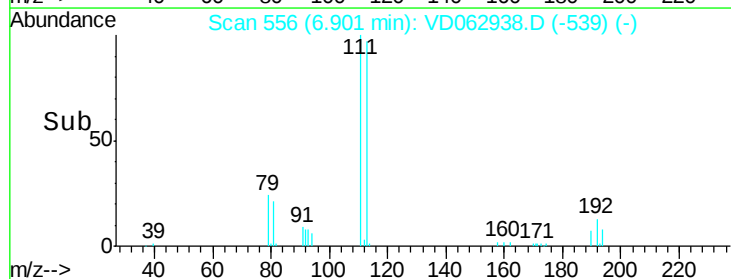
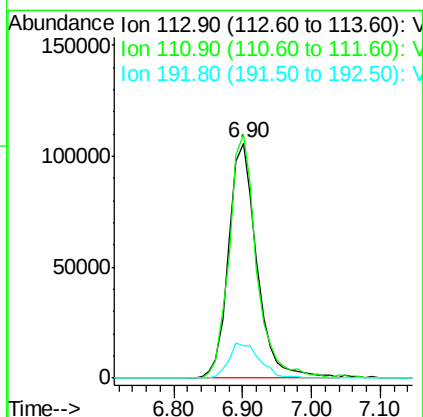
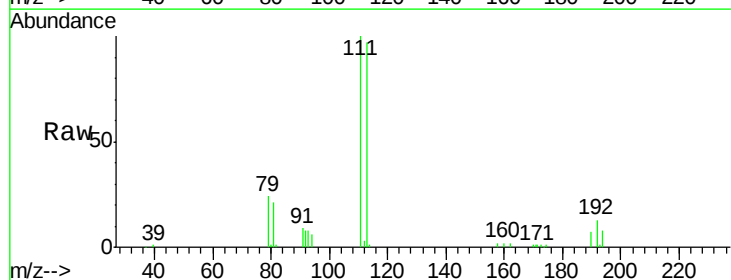
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 MSVOA_D
 ClientSampleId :
 FK-EF-01-013-ABCDRE

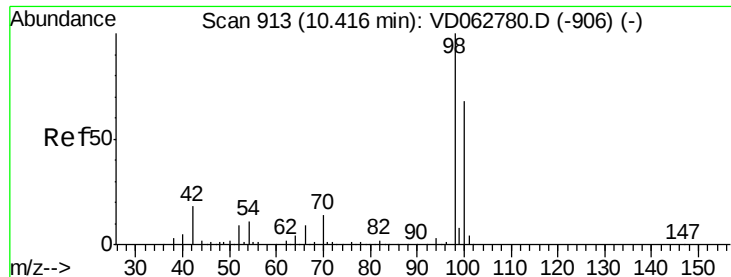
Tot Ion:114 Resp: 631393
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 17.5 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 56.608 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062938.D
 Acq: 27 Jun 2019 18:17

Tgt Ion:113 Resp: 301376
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.2 121.8
 192 13.6 12.9 19.3





#50

Toluene-d8

Concen: 26.416 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

Instrument :

MSVOA_D

ClientSampleId :

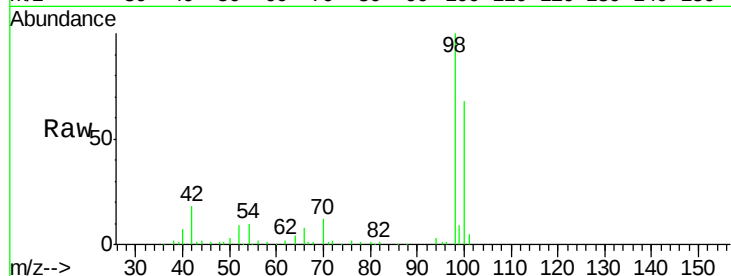
FK-EF-01-013-ABCDRE

Tot Ion: 98 Resp: 306087

Ion Ratio Lower Upper

98 100

100 68.0 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VD062780.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062780.D (-906) (-)

10.39

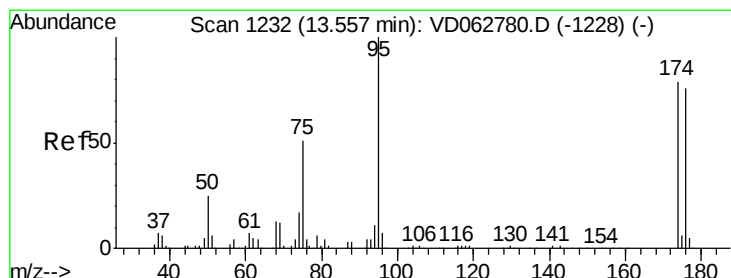
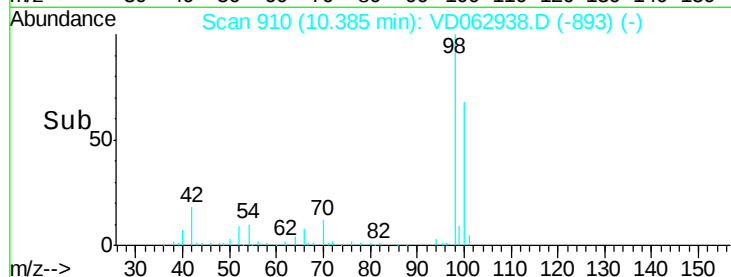
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 25.945 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062938.D

Acq: 27 Jun 2019 18:17

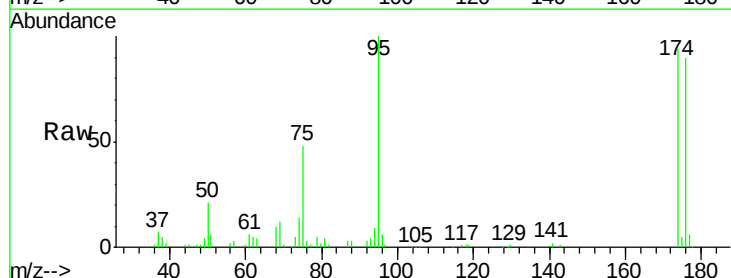
Tgt Ion: 95 Resp: 136699

Ion Ratio Lower Upper

95 100

174 94.4 0.0 158.0

176 89.7 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD062780.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD062780.D (-1228) (-)

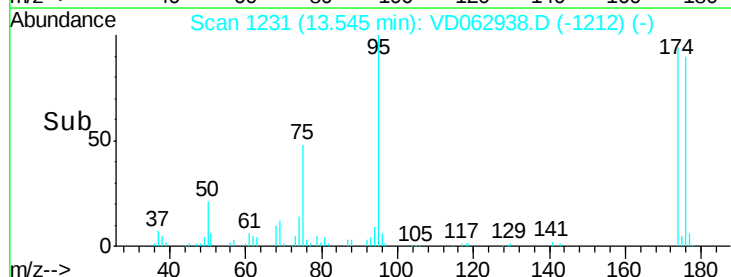
13.55

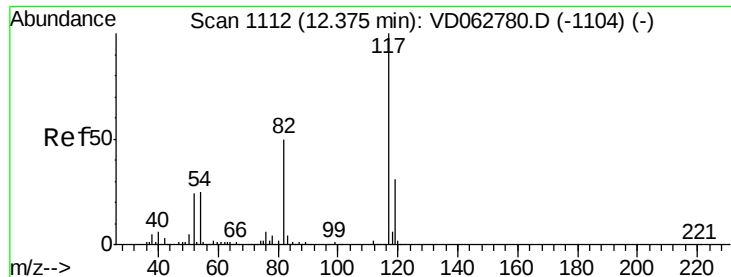
100000

50000

0

Time-->

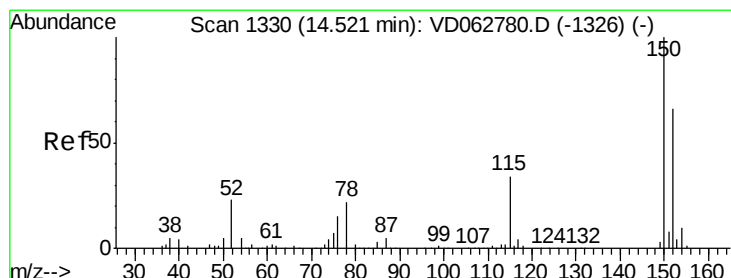
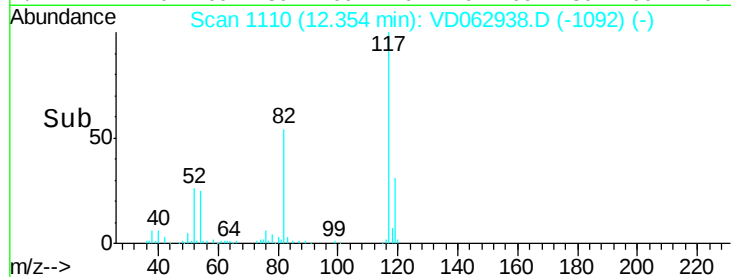
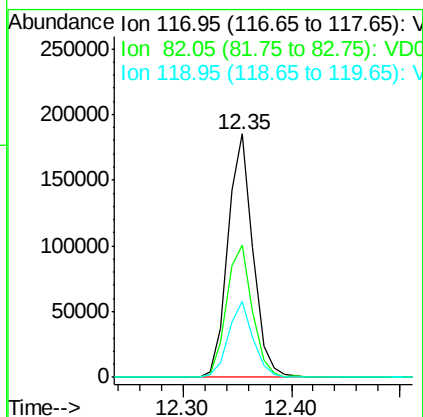
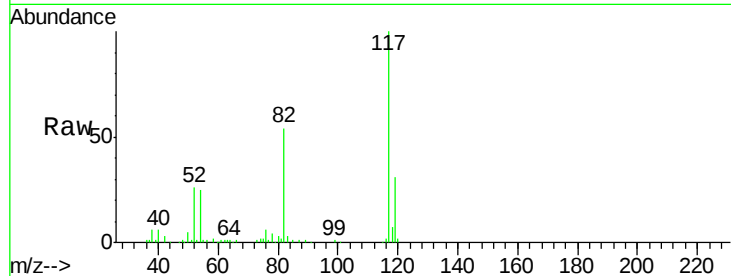




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

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Tot Ion:117 Resp: 296705
Ion Ratio Lower Upper
117 100
82 54.4 40.4 60.6
119 31.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062938.D
Acq: 27 Jun 2019 18:17

Tgt Ion:152 Resp: 100210
Ion Ratio Lower Upper
152 100
115 50.0 29.2 87.6
150 157.3 0.0 305.8

