

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062103.D
 Acq On : 1 May 2019 15:23
 Operator : FY/SY
 Sample : K2654-01
 Misc : 4.99g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

Quant Time: May 02 01:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

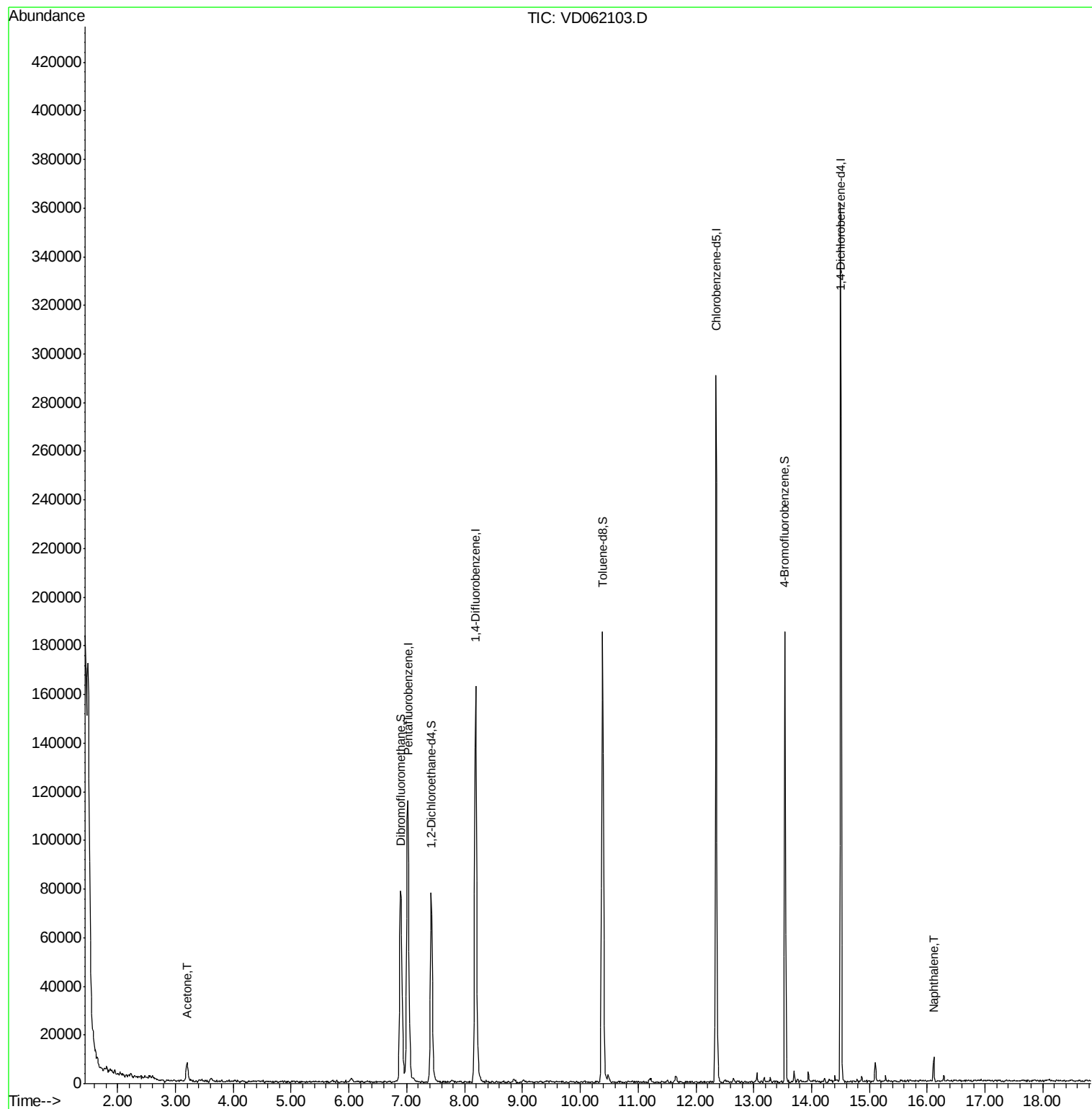
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	118715	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	202957	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.34	117	184142	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	87400	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	76898	82.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	165.52%	
35) Dibromofluoromethane	6.89	113	77474	55.19	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	110.38%	
50) Toluene-d8	10.39	98	159895	47.87	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	13.54	95	65040	48.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.10%	
Target Compounds						
16) Acetone	3.20	43	15985	72.054	ug/l #	77
95) Naphthalene	16.11	128	8308	3.947	ug/l	96

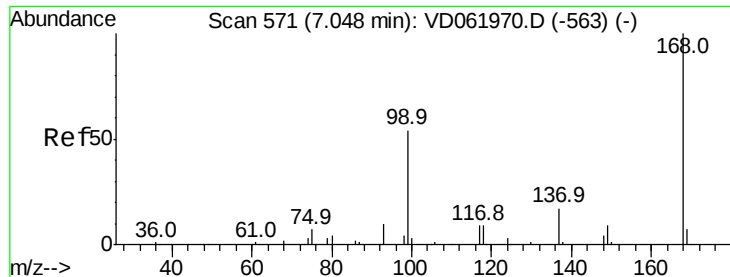
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 01 08:37:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

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ClientSampleId :

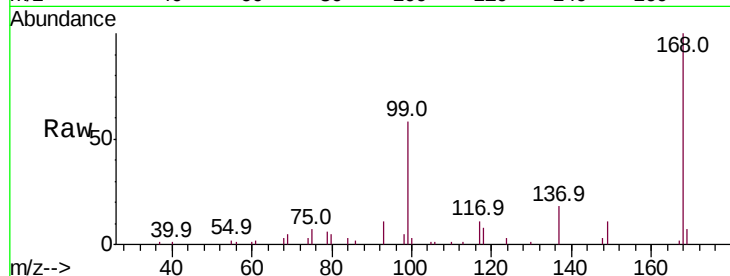
OILY-STONES

Tot Ion:168 Resp: 118715

Ion Ratio Lower Upper

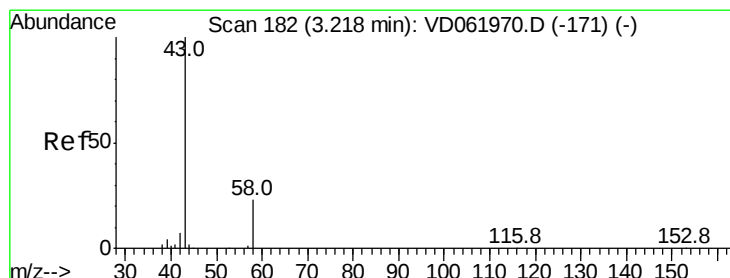
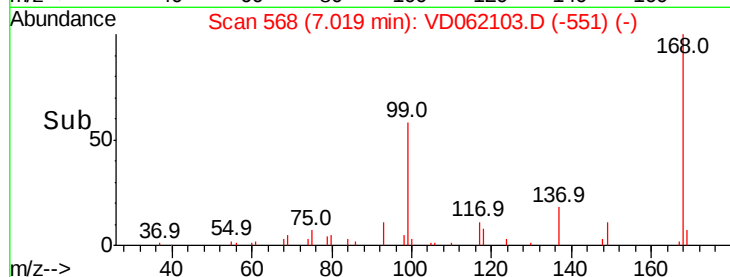
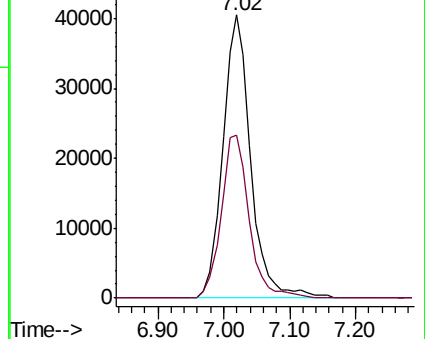
168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 72.054 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD062103.D

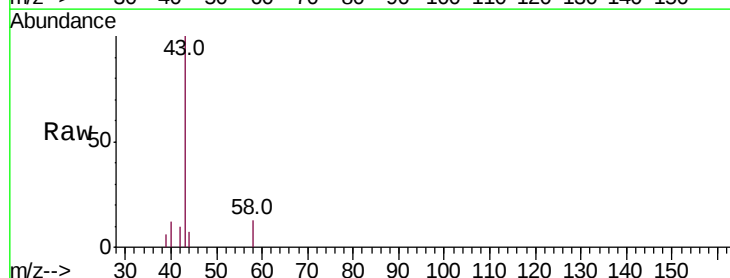
Acq: 1 May 2019 15:23

Tgt Ion: 43 Resp: 15985

Ion Ratio Lower Upper

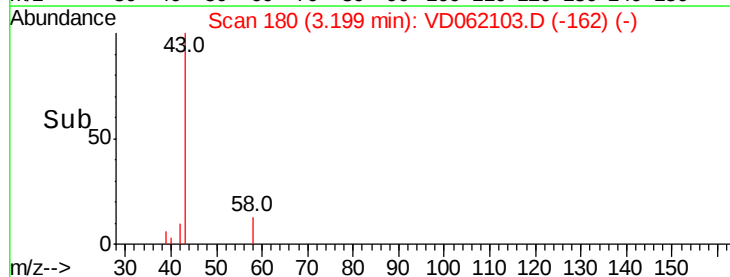
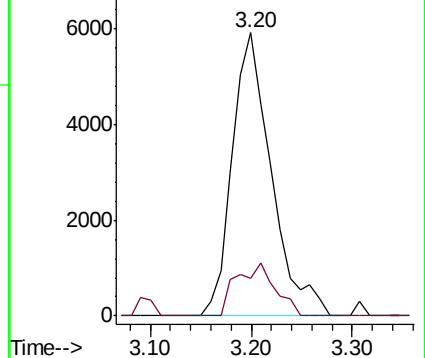
43 100

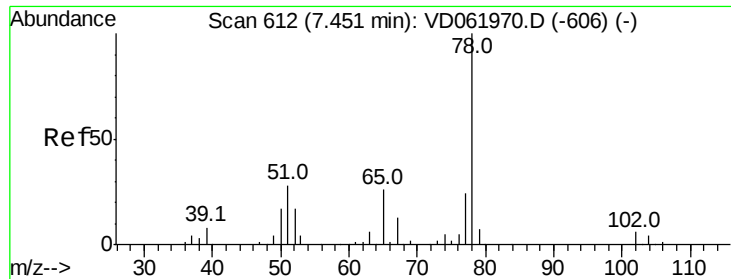
58 13.2 19.9 29.9#



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: 82.763 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.03 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

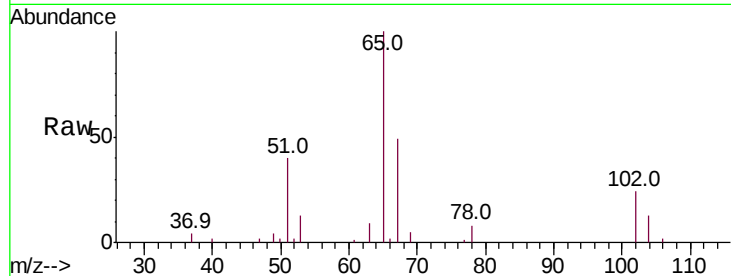
OILY-STONES

Tot Ion: 65 Resp: 76898

Ion Ratio Lower Upper

65 100

67 48.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.42

30000

25000

20000

15000

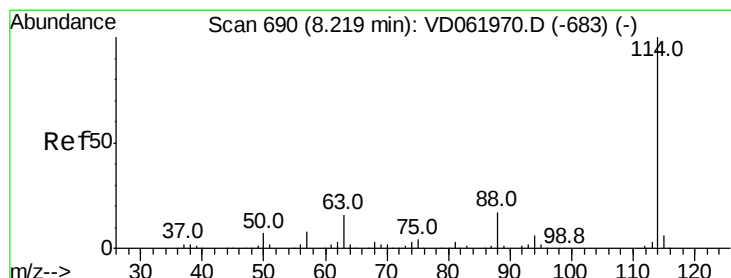
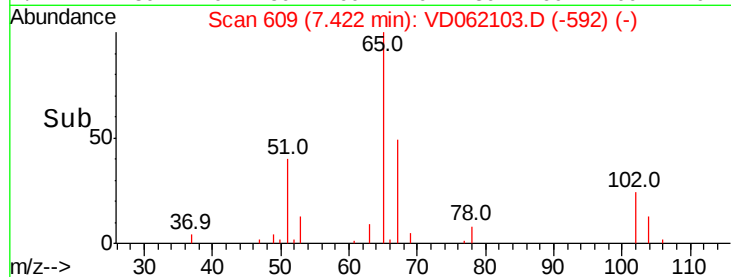
10000

5000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

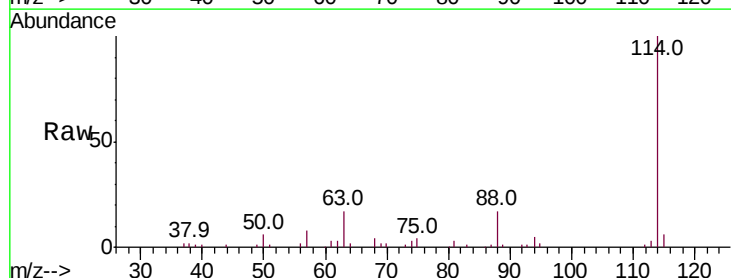
Tgt Ion:114 Resp: 202957

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

88 17.3 0.0 33.6



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

8.19

100000

80000

60000

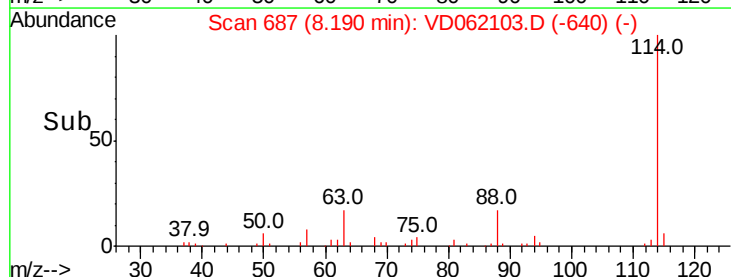
40000

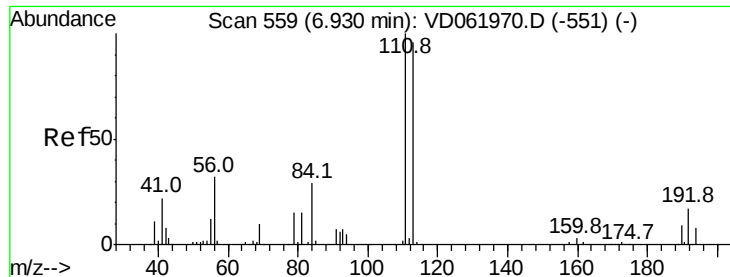
20000

0

Time-->

8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 55.195 ug/l

RT: 6.89 min Scan# 555

Delta R.T. -0.04 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

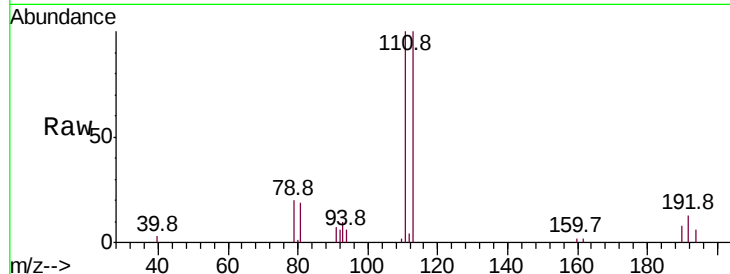
Tot Ion:113 Resp: 77474

Ion Ratio Lower Upper

113 100

111 100.4 78.5 117.7

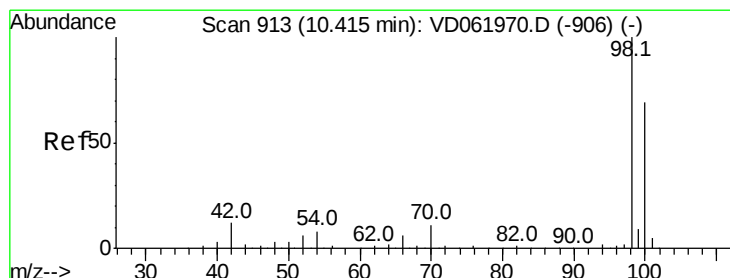
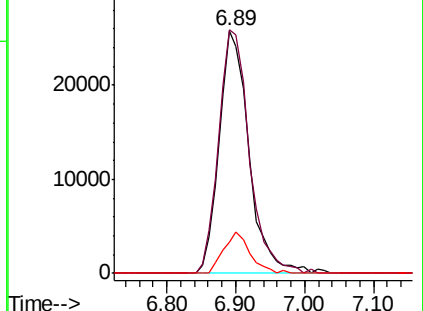
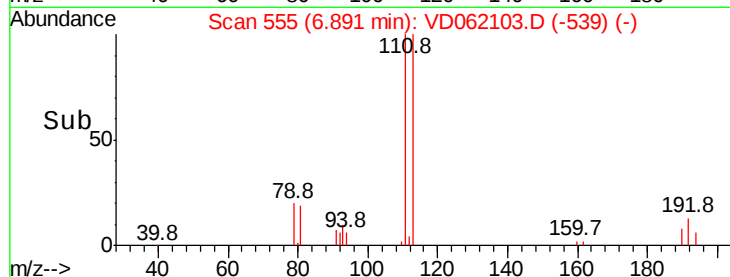
192 12.6 13.0 19.4#



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: 47.873 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062103.D

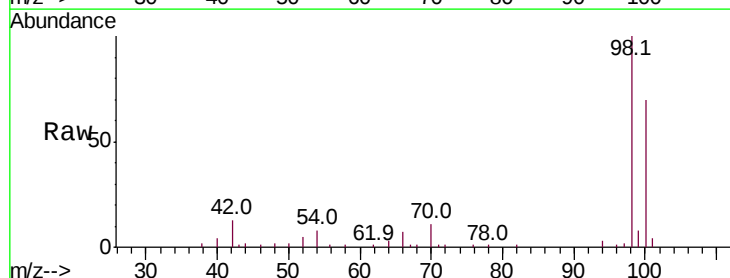
Acq: 1 May 2019 15:23

Tgt Ion: 98 Resp: 159895

Ion Ratio Lower Upper

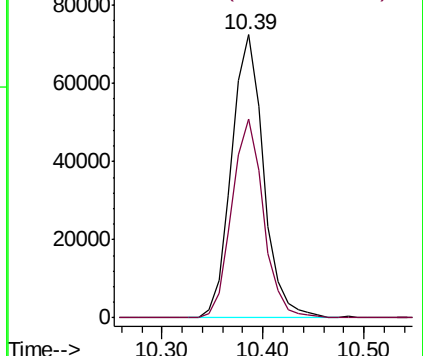
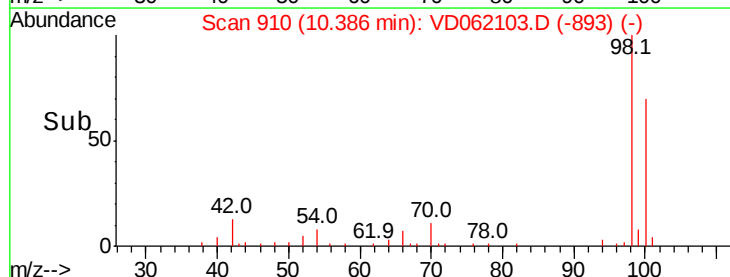
98 100

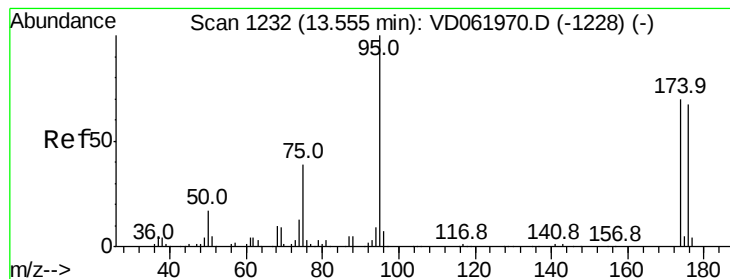
100 70.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 48.550 ug/l

RT: 13.54 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

OILY-STONES

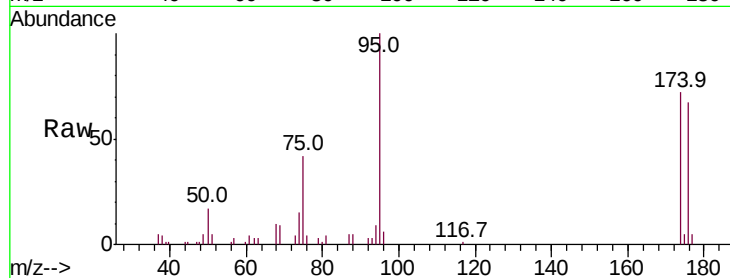
Tot Ion: 95 Resp: 65040

Ion Ratio Lower Upper

95 100

174 72.0 0.0 181.8

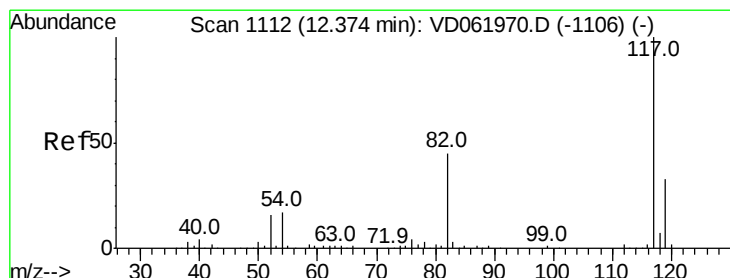
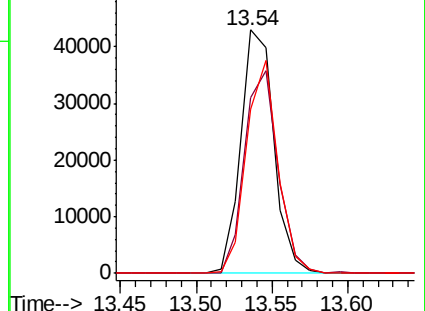
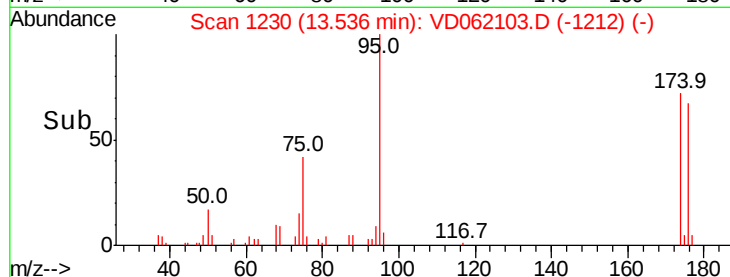
176 67.3 0.0 174.4



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: 50.000 ug/l

RT: 12.34 min Scan# 1109

Delta R.T. -0.02 min

Lab File: VD062103.D

Acq: 1 May 2019 15:23

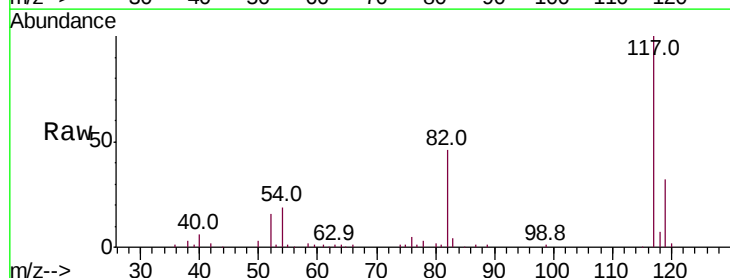
Tgt Ion: 117 Resp: 184142

Ion Ratio Lower Upper

117 100

82 45.7 36.2 54.2

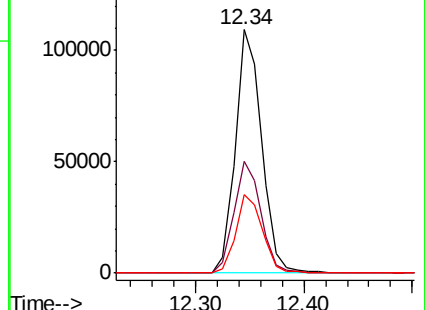
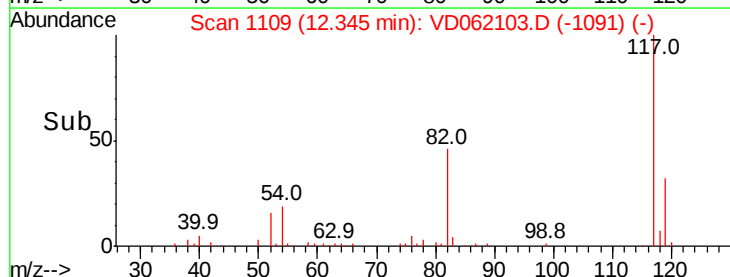
119 32.3 26.2 39.4

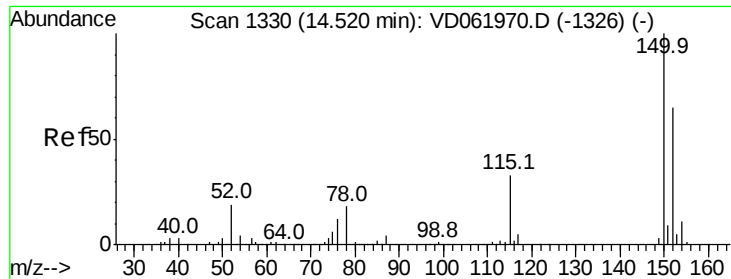


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

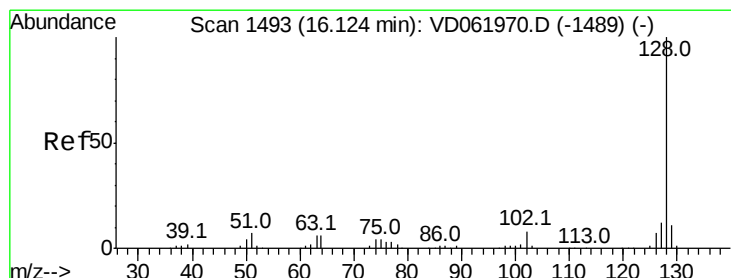
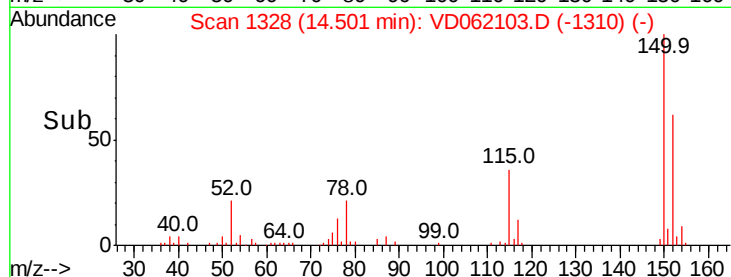
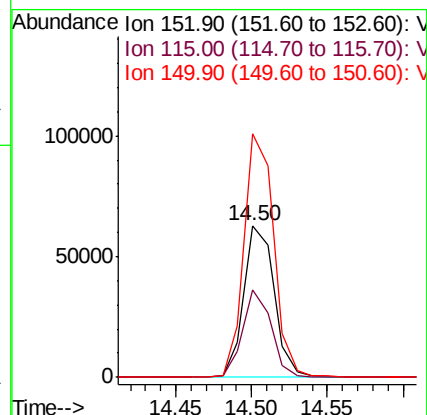
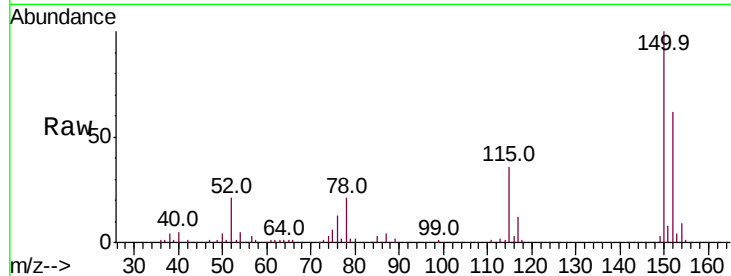




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-STONES

Tot Ion:152 Resp: 87400
 Ion Ratio Lower Upper
 152 100
 115 58.0 30.9 92.7
 150 160.3 0.0 314.8



#95
 Naphthalene
 Concen: 3.947 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VD062103.D
 Acq: 1 May 2019 15:23

Tgt Ion:128 Resp: 8308
 Ion Ratio Lower Upper
 128 100
 127 10.4 9.8 14.8
 129 10.0 8.8 13.2

