

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062049.D
 Acq On : 25 Apr 2019 20:22
 Operator : VA/AP
 Sample : K2564-02
 Misc : 5.34g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-2_042419

Quant Time: Apr 26 02:04:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

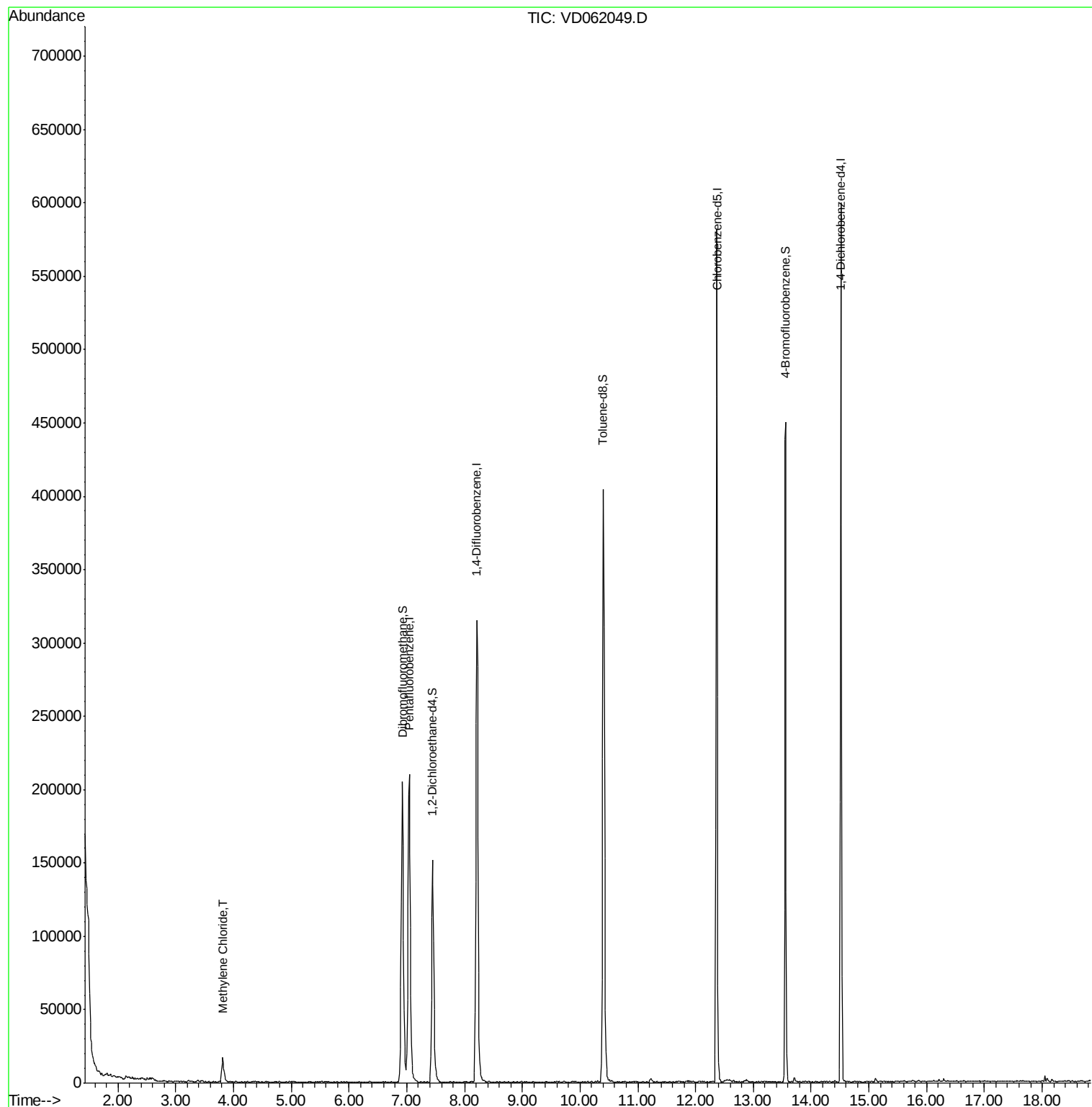
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	207570	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	379235	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	343392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	134745	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	161060	99.14	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	198.28%	
35) Dibromofluoromethane	6.92	113	190815	72.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.50%	
50) Toluene-d8	10.41	98	380439	60.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	121.92%	
62) 4-Bromofluorobenzene	13.55	95	149967	59.91	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	119.82%	
Target Compounds						
20) Methylene Chloride	3.81	84	12134	3.457	ug/l #	Qvalue 89

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

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QLast Update : Tue Apr 23 14:52:55 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

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MSVOA_D

ClientSampleId :

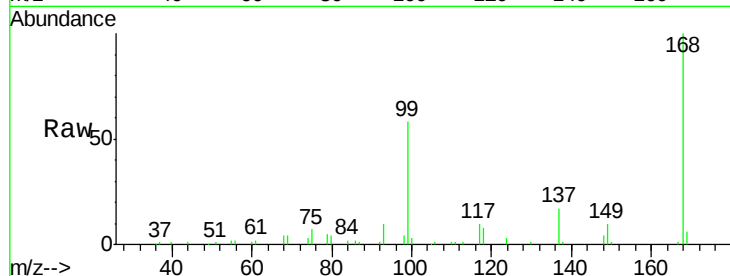
C-2_042419

Tot Ion:168 Resp: 207570

Ion Ratio Lower Upper

168 100

99 58.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

80000

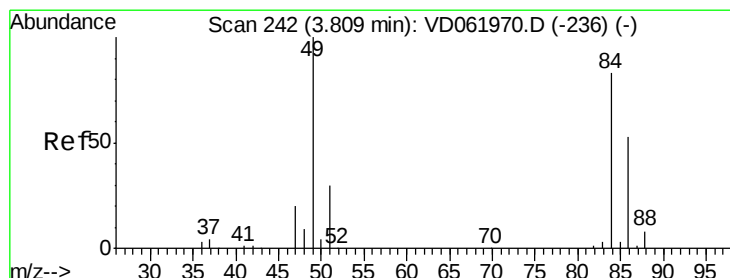
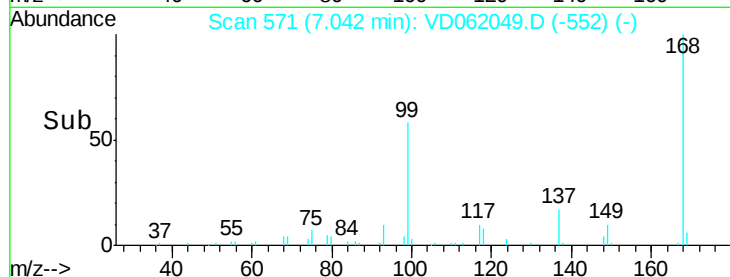
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 3.457 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Tgt Ion: 84 Resp: 12134

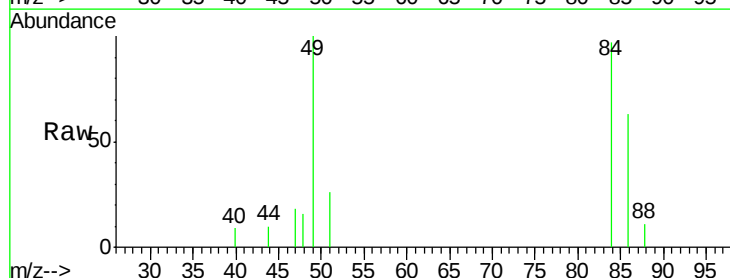
Ion Ratio Lower Upper

84 100

49 102.7 94.0 141.0

51 26.7 29.0 43.4#

86 65.2 49.8 74.6



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

3.81

8000

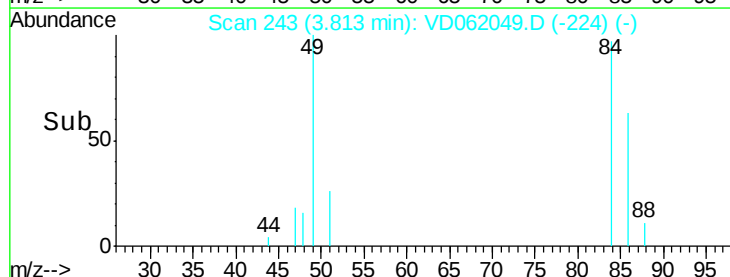
6000

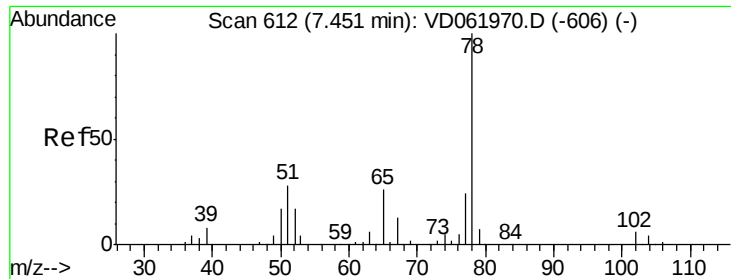
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90





#33

1,2-Dichloroethane-d4

Concen: 99.141 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

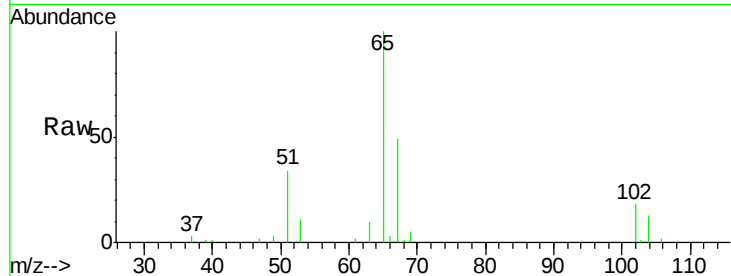
C-2_042419

Tot Ion: 65 Resp: 161060

Ion Ratio Lower Upper

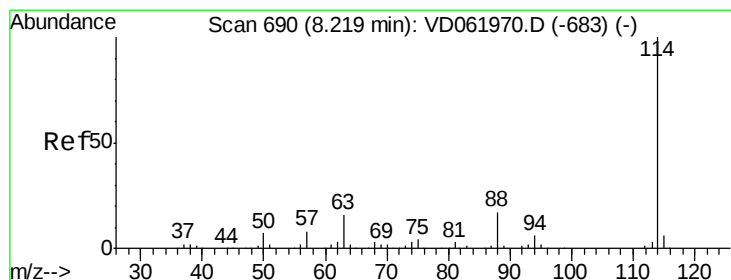
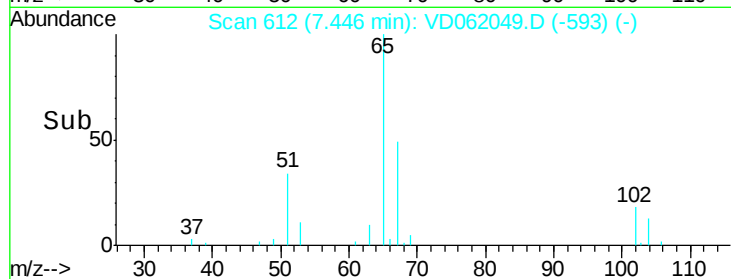
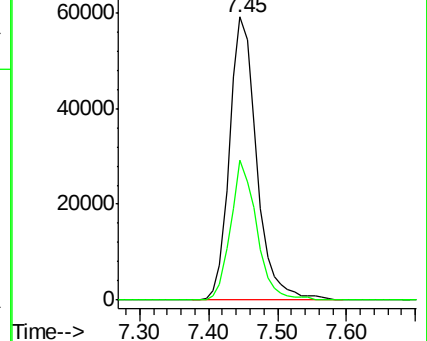
65 100

67 49.4 0.0 98.0



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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

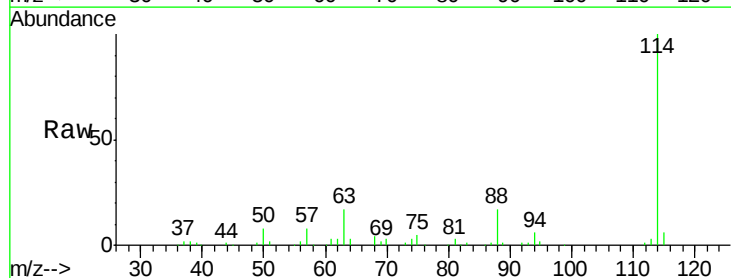
Tgt Ion: 114 Resp: 379235

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

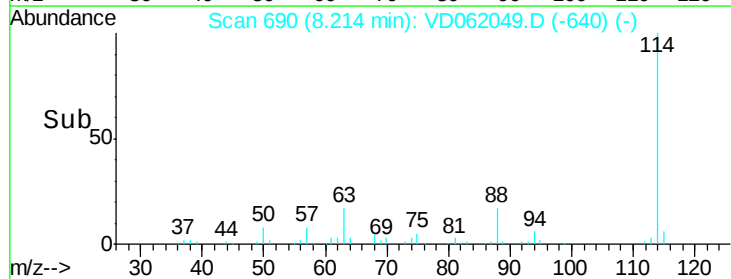
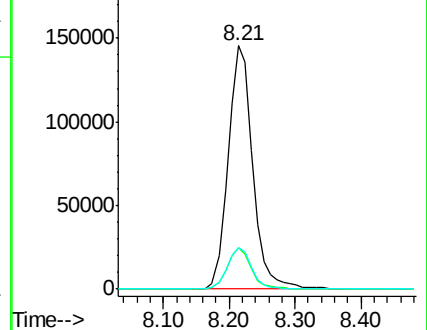
88 17.1 0.0 33.6

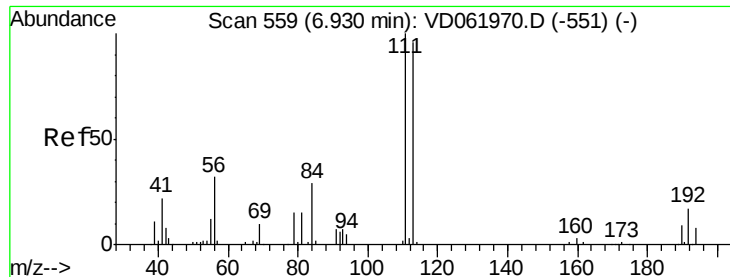


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 72.753 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

C-2_042419

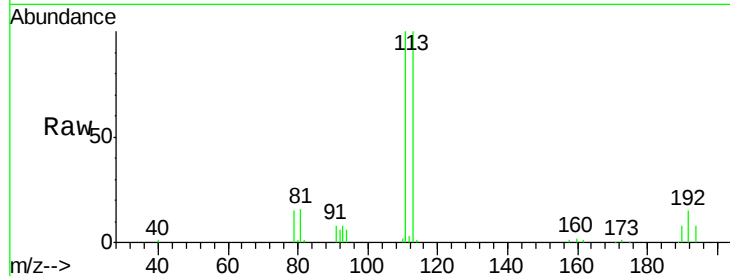
Tot Ion:113 Resp: 190815

Ion Ratio Lower Upper

113 100

111 100.4 78.5 117.7

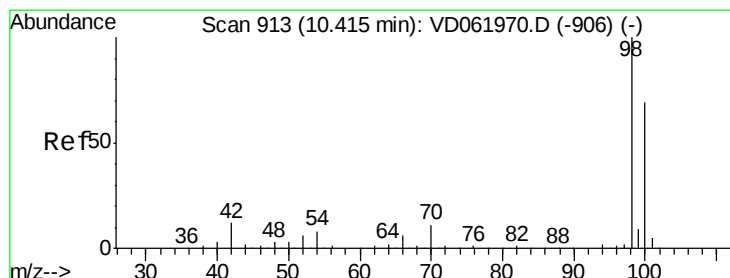
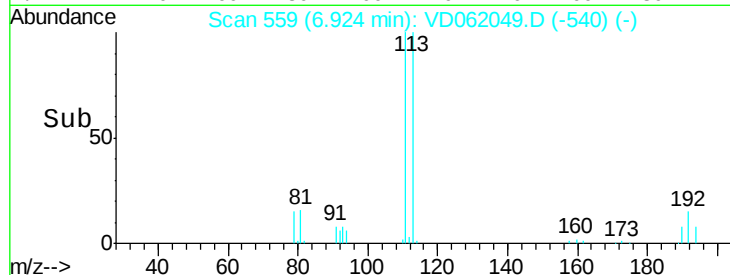
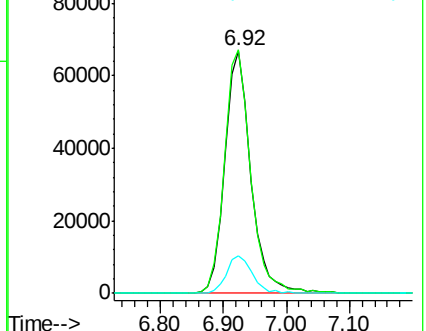
192 15.4 13.0 19.4



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: 60.959 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062049.D

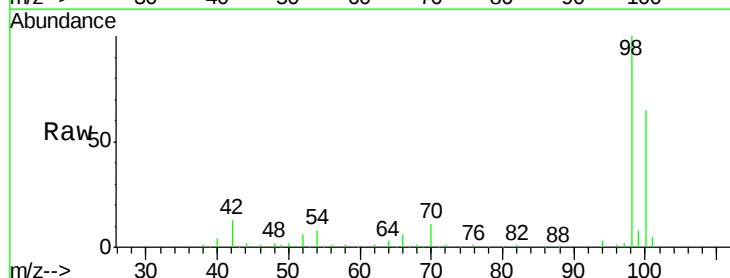
Acq: 25 Apr 2019 20:22

Tgt Ion: 98 Resp: 380439

Ion Ratio Lower Upper

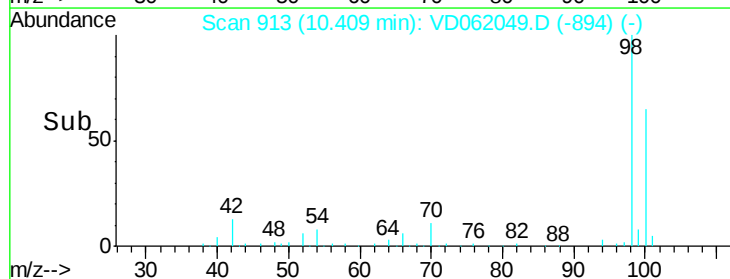
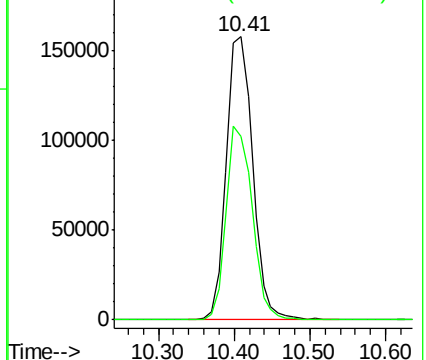
98 100

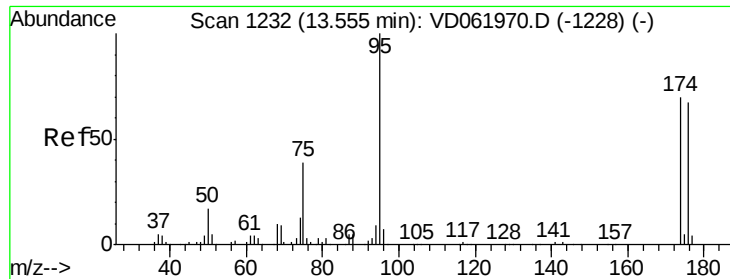
100 64.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 59.911 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

C-2_042419

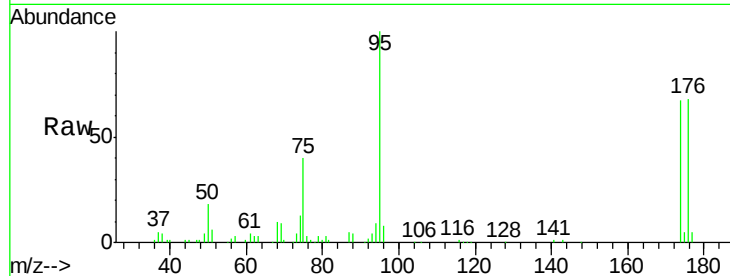
Tot Ion: 95 Resp: 149967

Ion Ratio Lower Upper

95 100

174 67.0 0.0 181.8

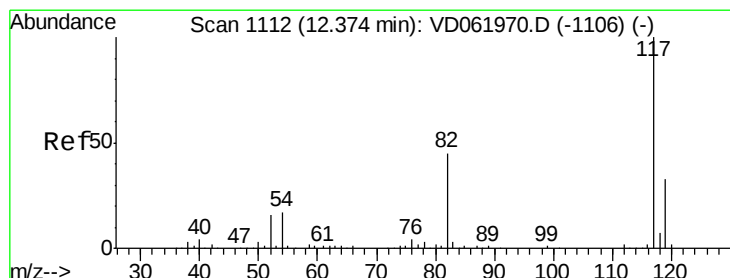
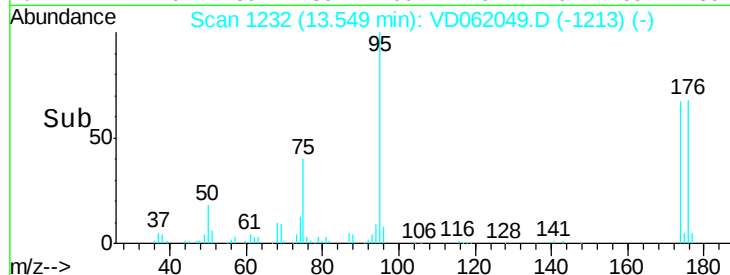
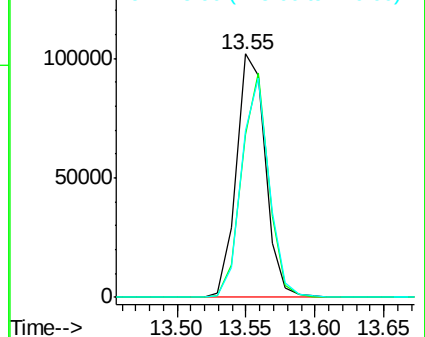
176 68.3 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD062049.D

Acq: 25 Apr 2019 20:22

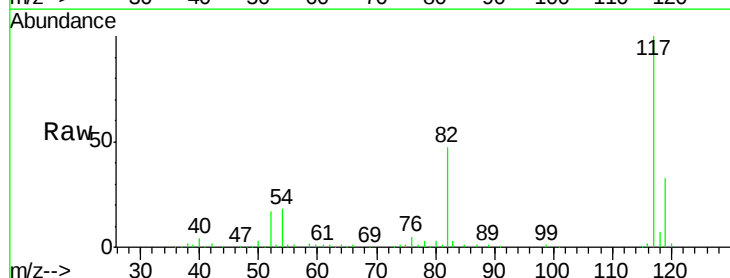
Tgt Ion: 117 Resp: 343392

Ion Ratio Lower Upper

117 100

82 47.2 36.2 54.2

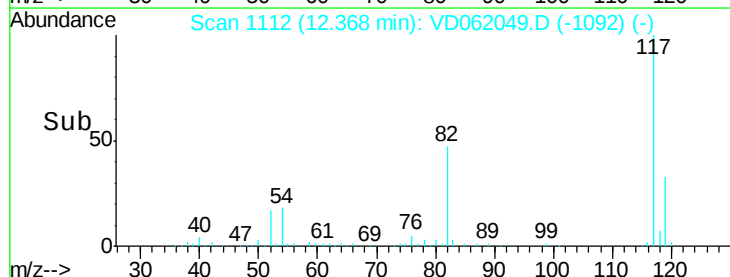
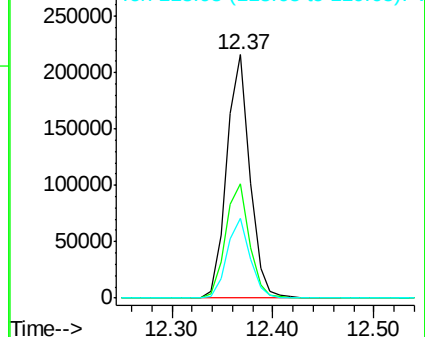
119 32.9 26.2 39.4

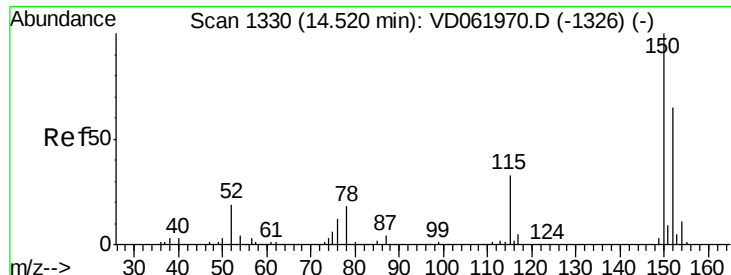


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.51 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD062049.D
 Acq: 25 Apr 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 C-2_042419

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.9	92.7
150	154.6	0.0	314.8

