

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD051019\
 Data File : VD062212.D
 Acq On : 10 May 2019 13:40
 Operator : FY/SY
 Sample : K2718-03RE
 Misc : 3.28g/5mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0002-01RE

Quant Time: May 14 18:09:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

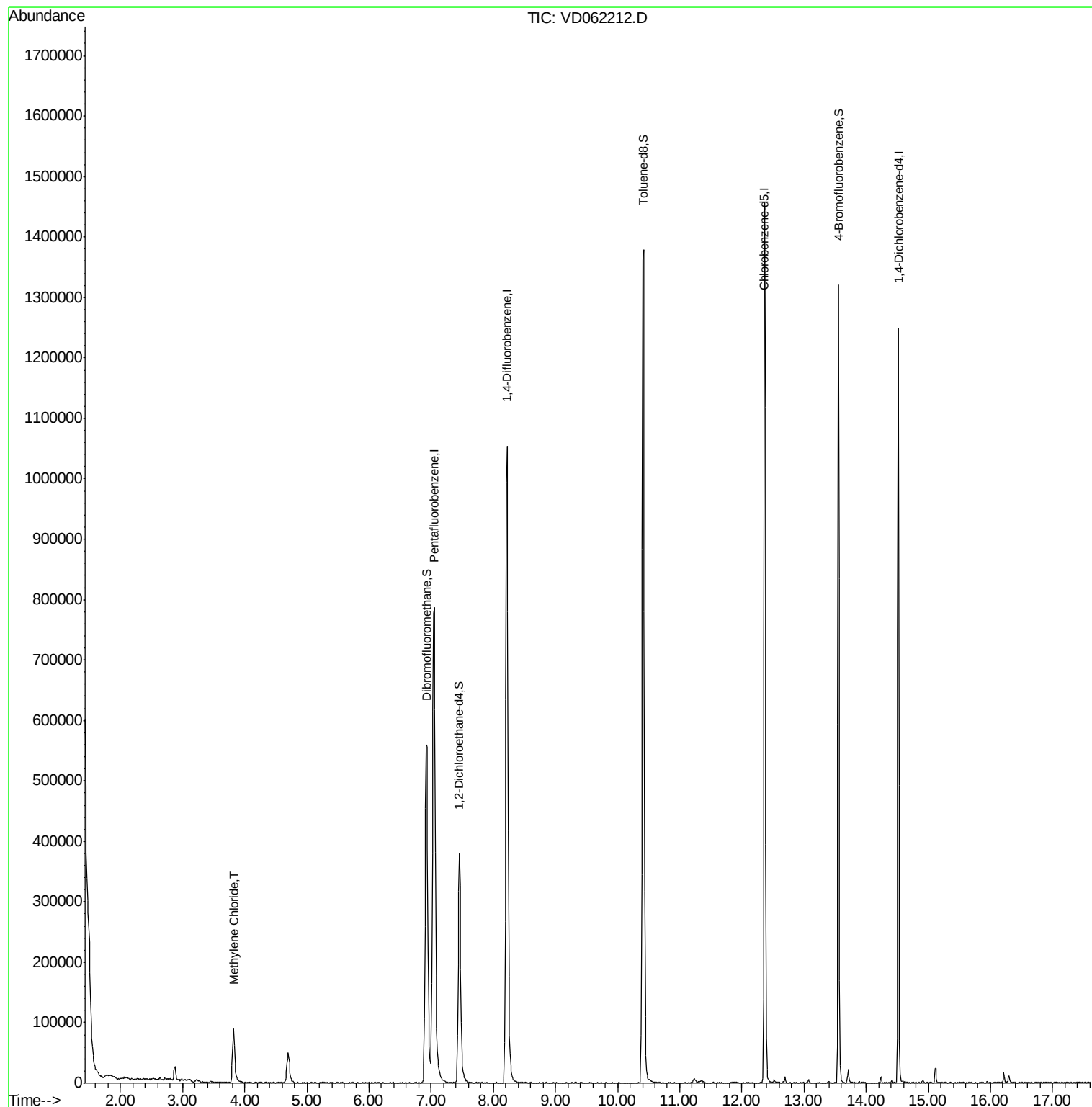
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	864141	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1219500	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	803817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	273270	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	419628	52.25	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.50%	
35) Dibromofluoromethane	6.92	113	528601	52.24	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.48%	
50) Toluene-d8	10.42	98	1194371	48.96	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	13.55	95	363623	37.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.24%	
Target Compounds						
20) Methylene Chloride	3.82	84	62966	8.955	ug/l	Qvalue 95

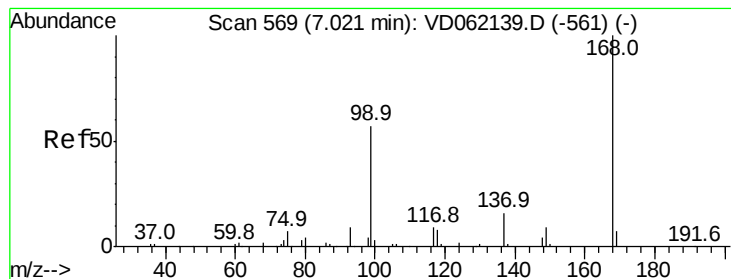
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

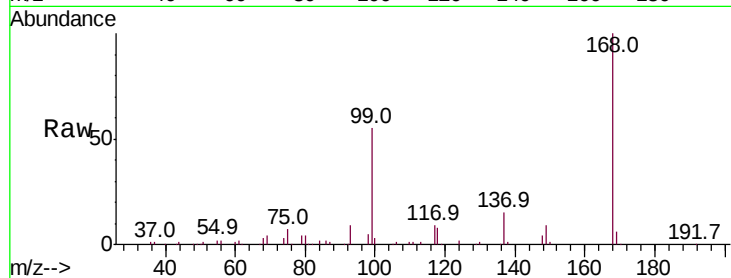
P026-SS005-0002-01RE

Tot Ion:168 Resp: 864141

Ion Ratio Lower Upper

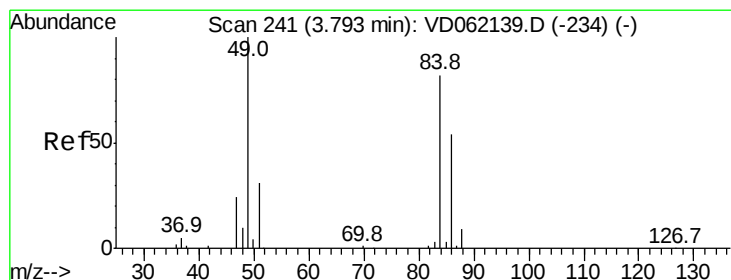
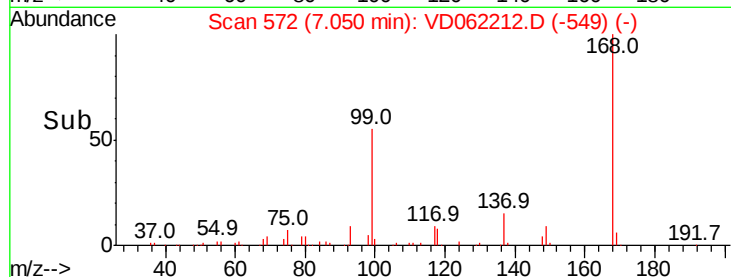
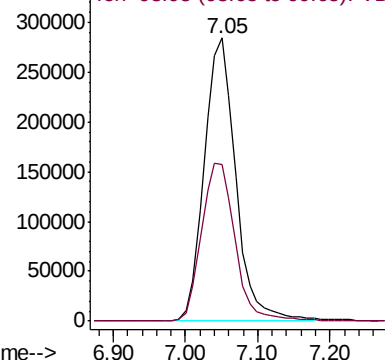
168 100

99 55.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 8.955 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

Tgt Ion: 84 Resp: 62966

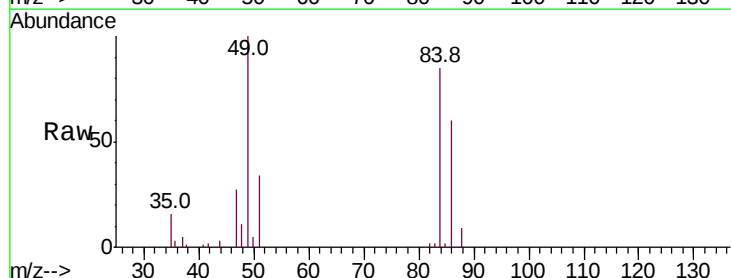
Ion Ratio Lower Upper

84 100

49 118.3 94.0 141.0

51 39.8 29.0 43.4

86 70.6 49.8 74.6

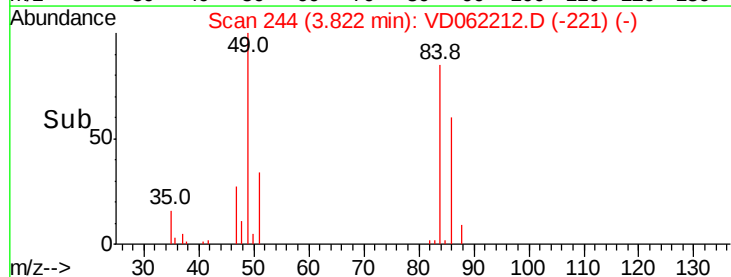
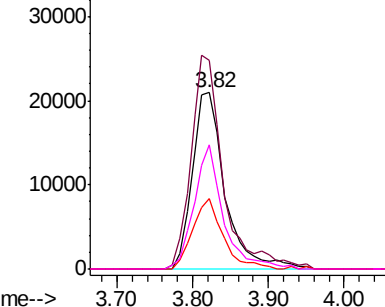


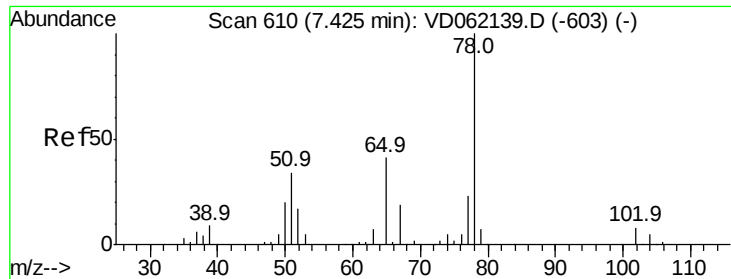
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 52.254 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

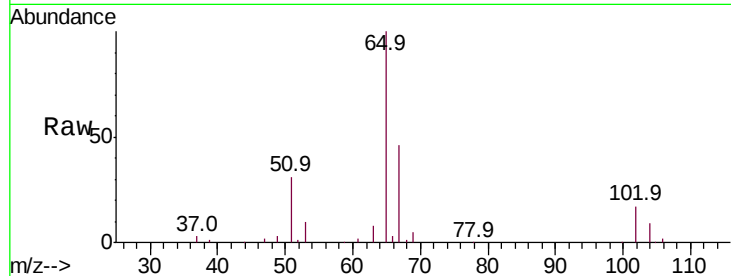
P026-SS005-0002-01RE

Tot Ion: 65 Resp: 419628

Ion Ratio Lower Upper

65 100

67 45.7 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

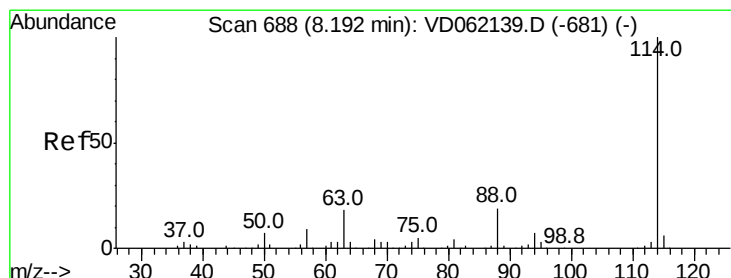
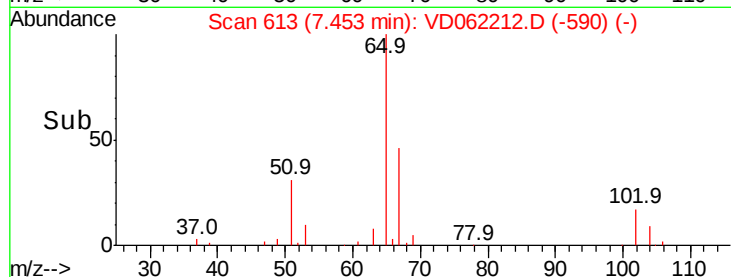
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

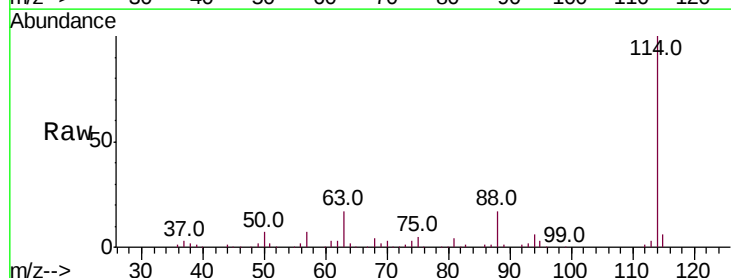
Tgt Ion: 114 Resp: 1219500

Ion Ratio Lower Upper

114 100

63 17.2 0.0 32.4

88 17.5 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

600000

500000

400000

300000

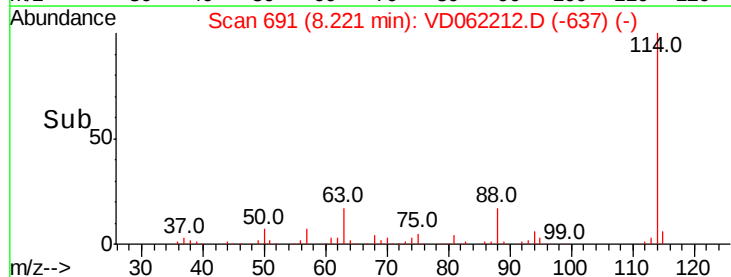
200000

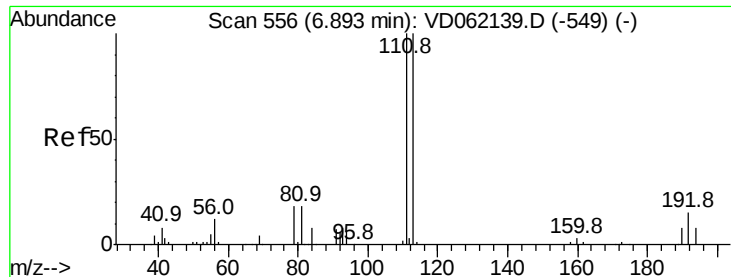
100000

0

8.00 8.20 8.40

Time-->





#35

Dibromofluoromethane

Concen: 52.242 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0002-01RE

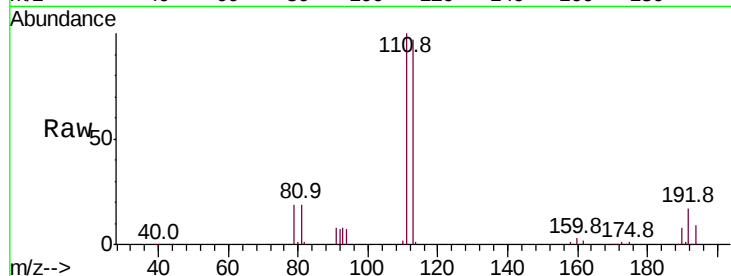
Tot Ion:113 Resp: 528601

Ion Ratio Lower Upper

113 100

111 103.1 78.5 117.7

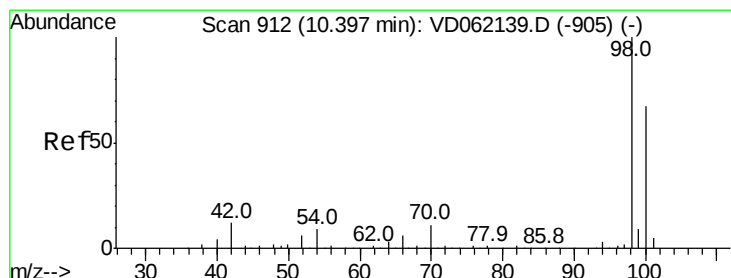
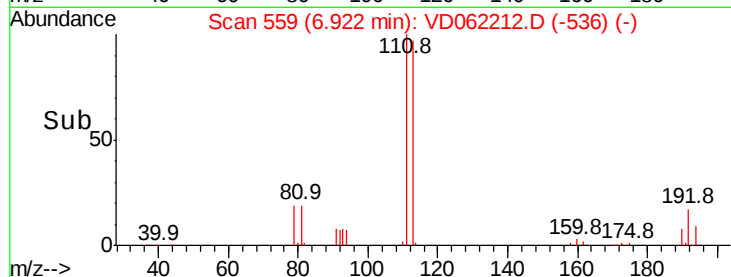
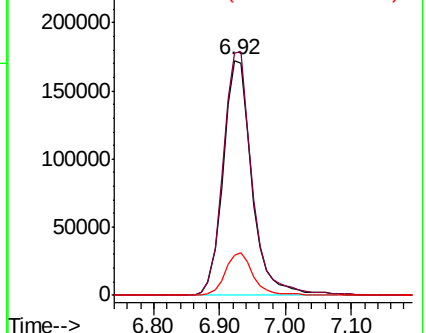
192 17.1 13.0 19.4



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: 48.958 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062212.D

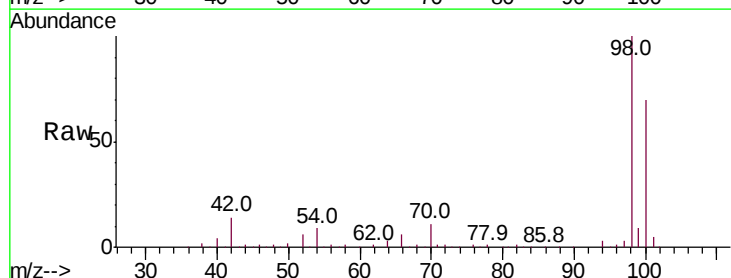
Acq: 10 May 2019 13:40

Tgt Ion: 98 Resp: 1194371

Ion Ratio Lower Upper

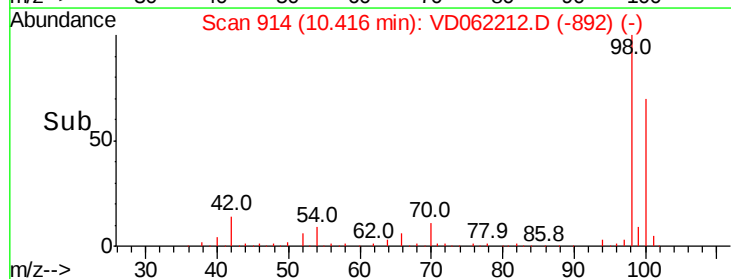
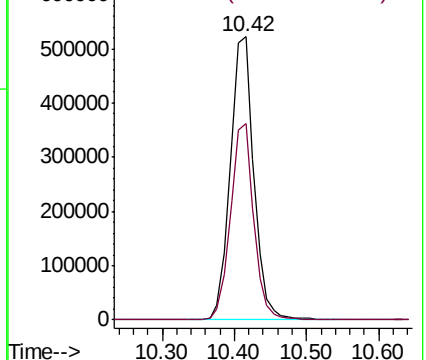
98 100

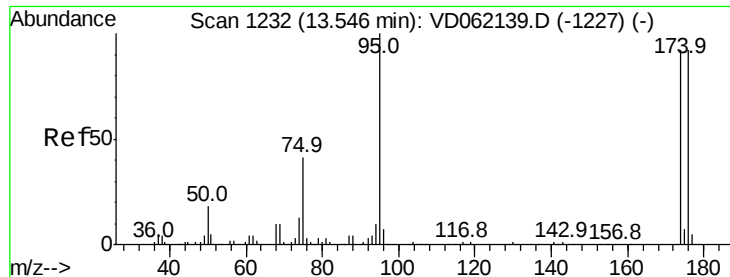
100 69.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 37.117 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

P026-SS005-0002-01RE

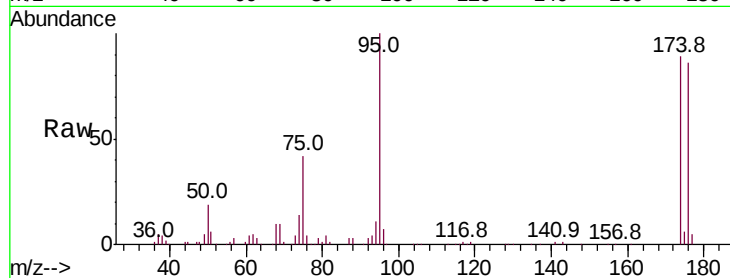
Tot Ion: 95 Resp: 363623

Ion Ratio Lower Upper

95 100

174 89.0 0.0 181.8

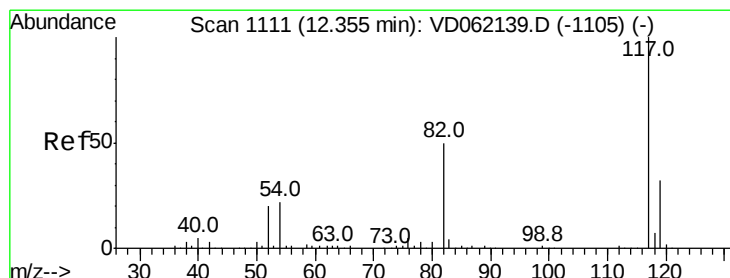
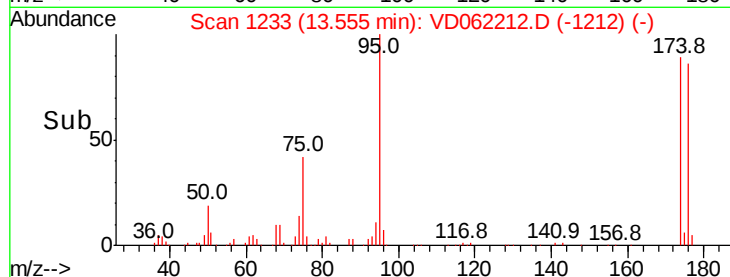
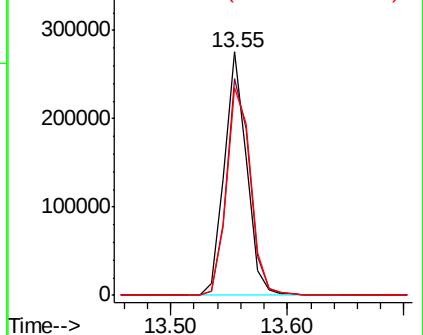
176 85.5 0.0 174.4



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: 12.36 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062212.D

Acq: 10 May 2019 13:40

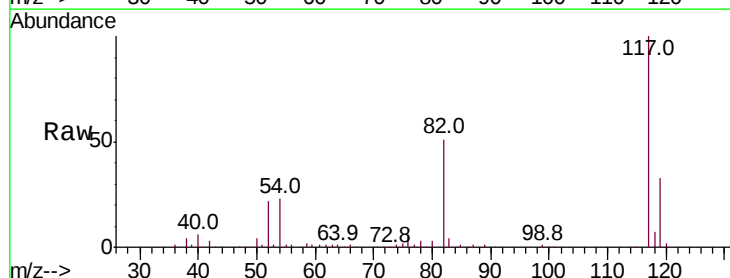
Tgt Ion: 117 Resp: 803817

Ion Ratio Lower Upper

117 100

82 50.9 36.2 54.2

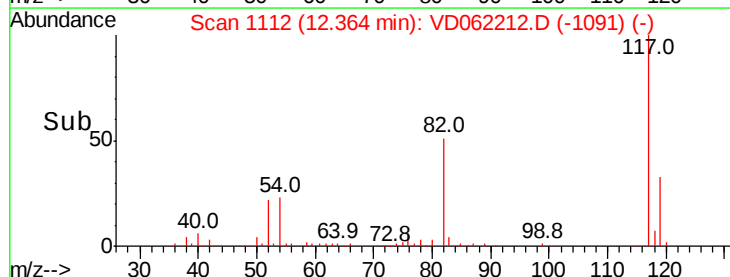
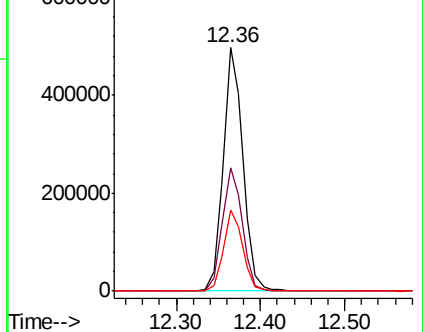
119 33.2 26.2 39.4

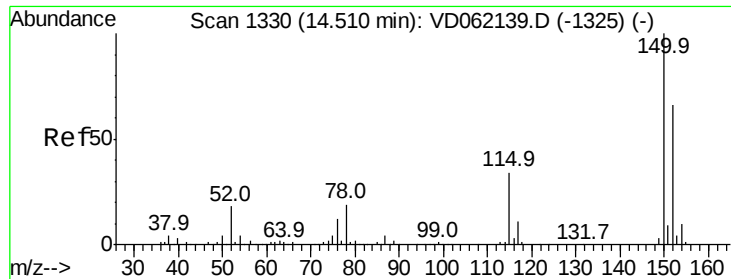


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

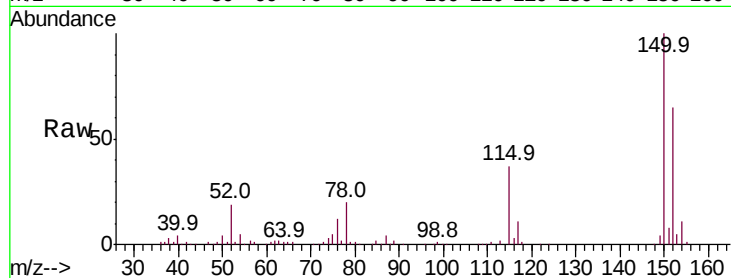




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD062212.D
 Acq: 10 May 2019 13:40

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS005-0002-01RE

Tot Ion:152 Resp: 273270
 Ion Ratio Lower Upper
 152 100
 115 56.4 30.9 92.7
 150 153.0 0.0 314.8



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

