

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063249.D
 Acq On : 30 Jul 2019 18:38
 Operator : VA/AP
 Sample : K4049-05RE
 Misc : 3.59g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-5RE

Quant Time: Jul 31 06:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

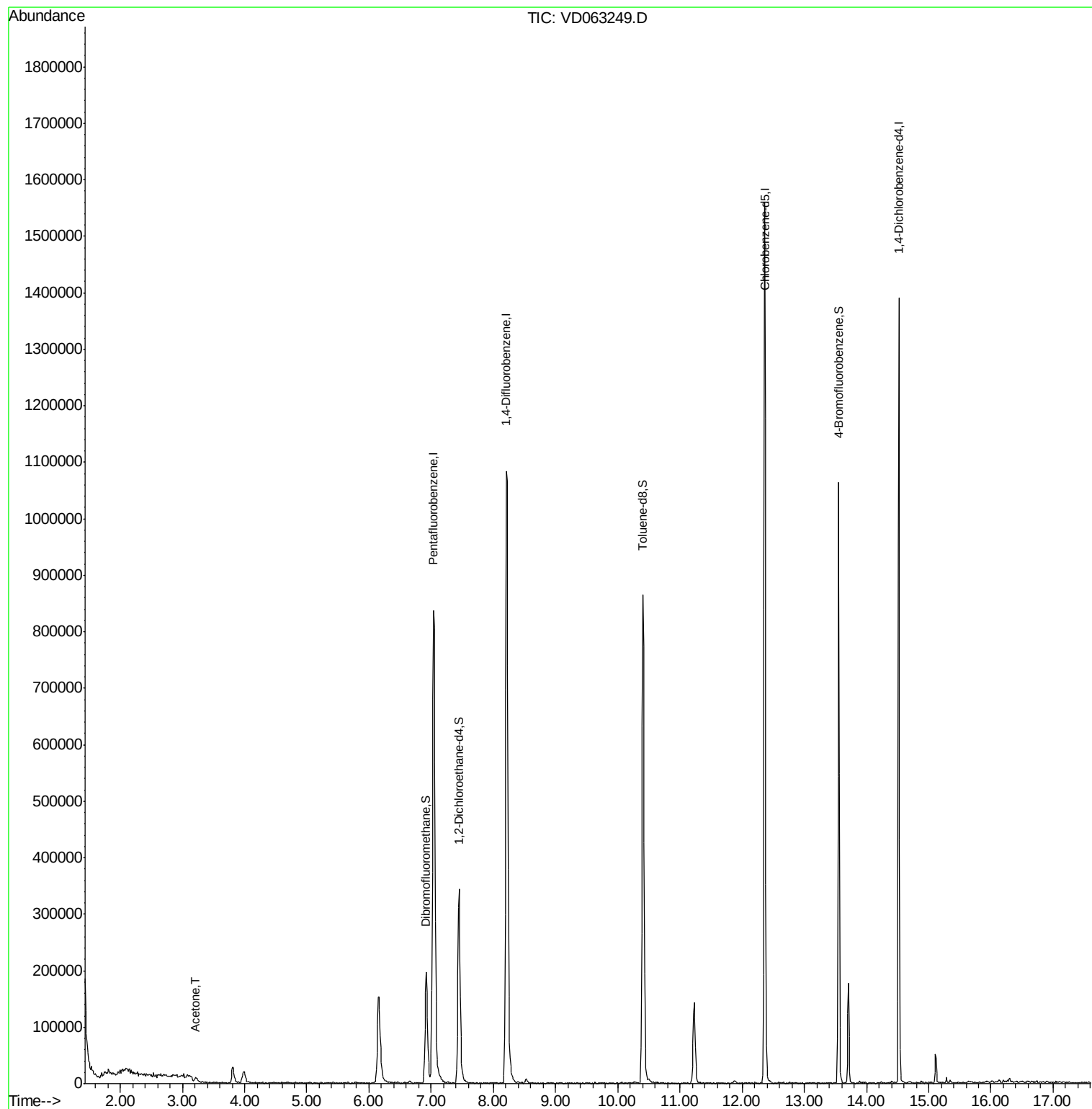
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	835904	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1192337	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	814077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	300690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	389729	42.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.04%	
35) Dibromofluoromethane	6.92	113	165166	16.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	32.44%	
50) Toluene-d8	10.40	98	719517	31.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.16%	
62) 4-Bromofluorobenzene	13.55	95	270064	26.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.02%	
Target Compounds						
16) Acetone	3.21	43	16240	8.986	ug/l #	Qvalue 78

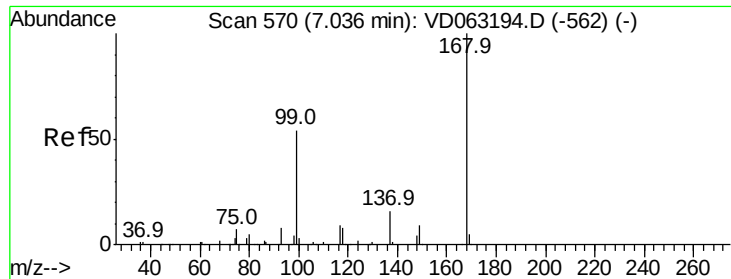
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

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ClientSampleId :

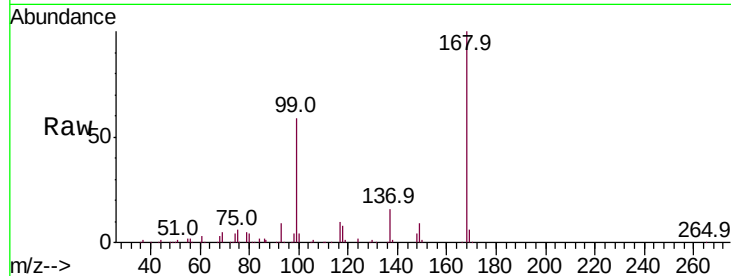
SP-5RE

Tot Ion:168 Resp: 835904

Ion Ratio Lower Upper

168 100

99 58.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

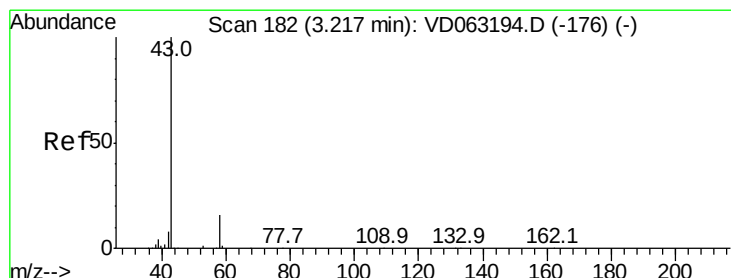
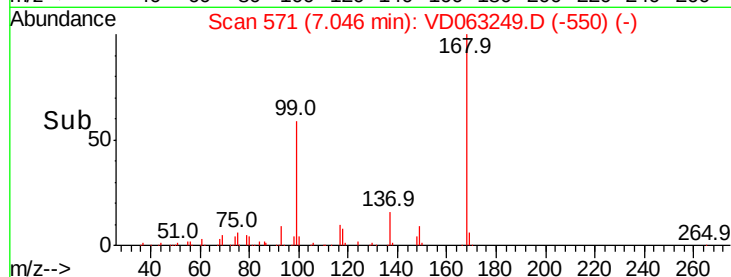
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.986 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063249.D

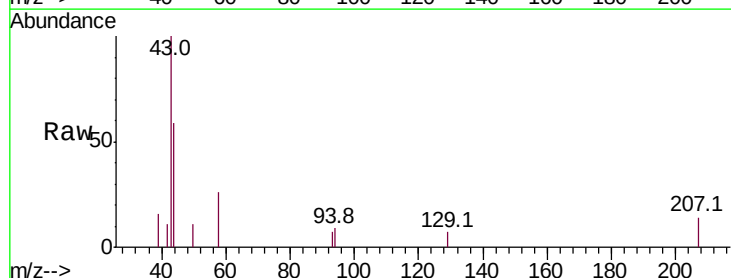
Acq: 30 Jul 2019 18:38

Tgt Ion: 43 Resp: 16240

Ion Ratio Lower Upper

43 100

58 25.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

5000

4000

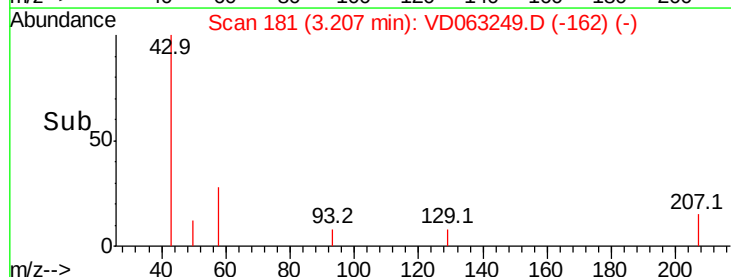
3000

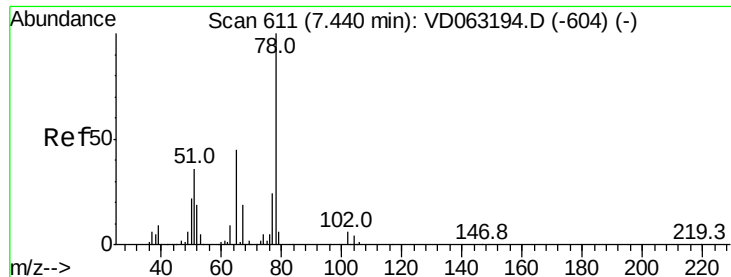
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 42.019 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

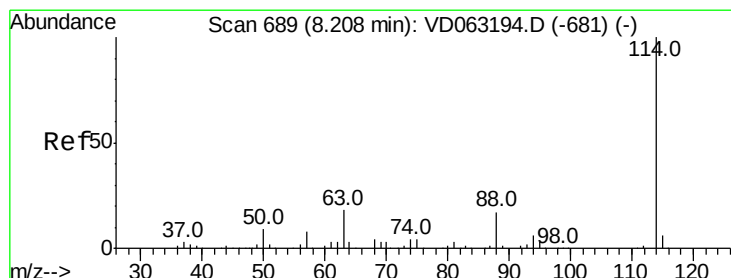
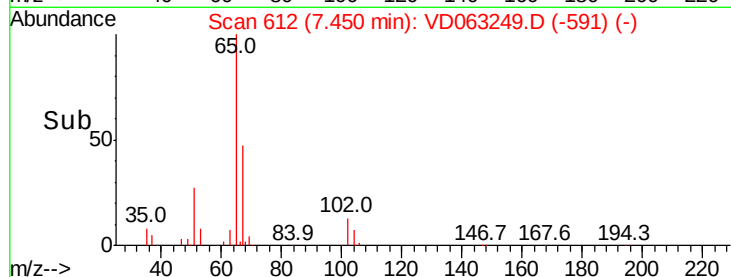
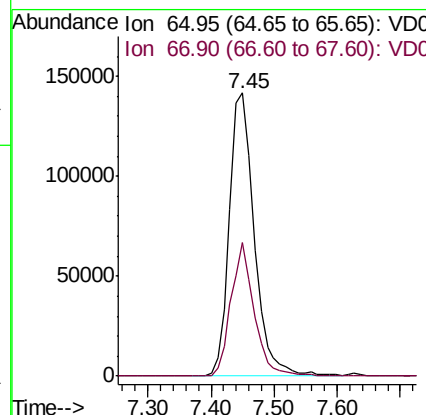
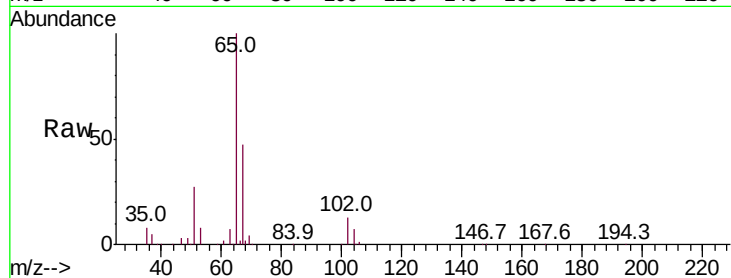
Lab File: VD063249.D

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Instrument :
MSVOA_D
ClientSampleId :
SP-5RE

Tot Ion: 65 Resp: 389729

Ion	Ratio	Lower	Upper
65	100		
67	47.1	0.0	85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

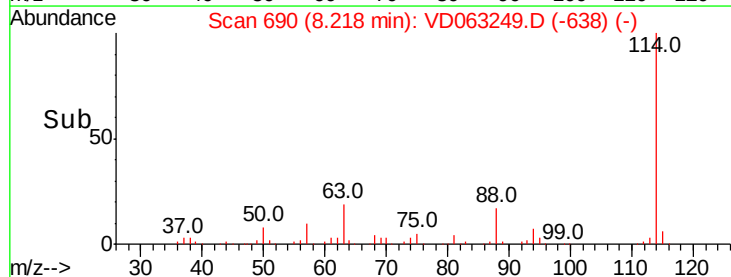
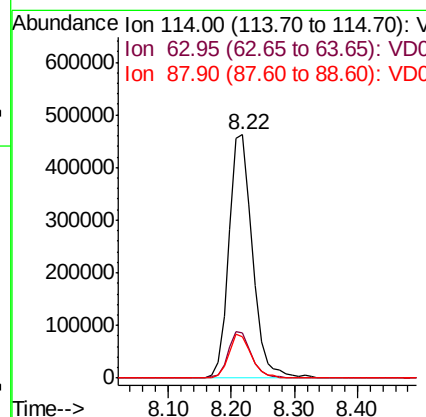
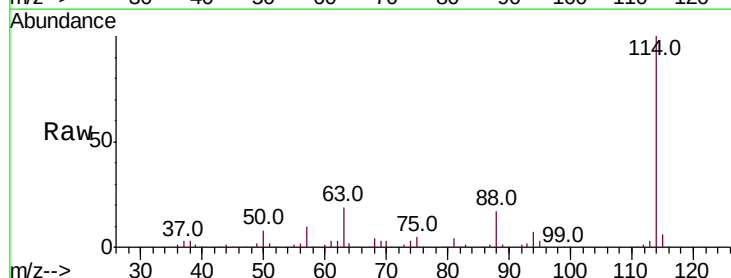
Delta R.T. 0.01 min

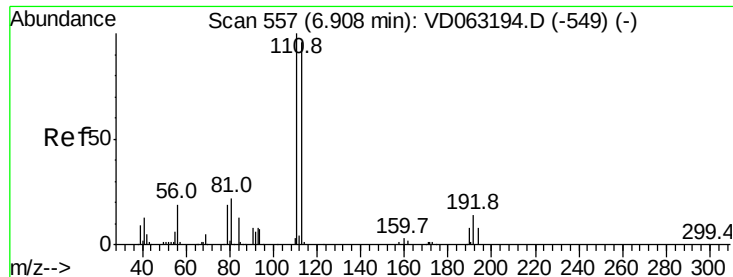
Lab File: VD063249.D

Acq: 30 Jul 2019 18:38

Tgt Ion: 114 Resp: 1192337

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	35.2
88	17.1	0.0	34.6





#35

Dibromofluoromethane

Concen: 16.225 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063249.D

Acq: 30 Jul 2019 18:38

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

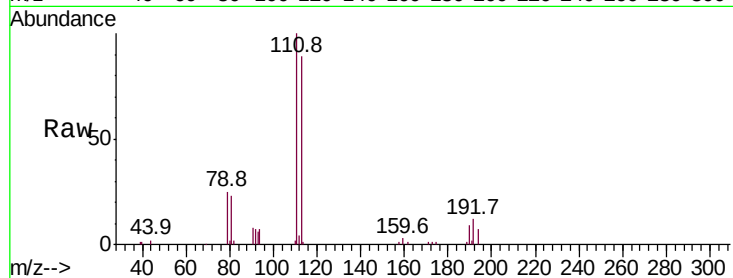
Tot Ion:113 Resp: 165166

Ion Ratio Lower Upper

113 100

111 112.2 83.2 124.8

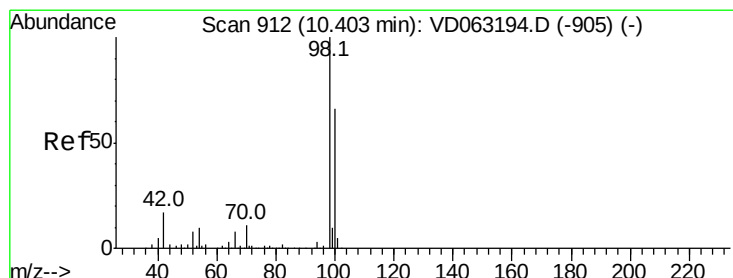
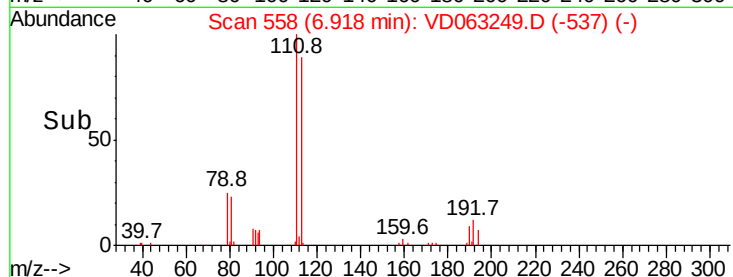
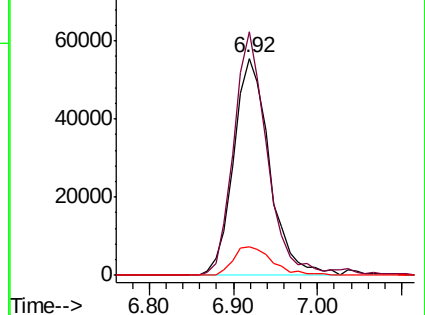
192 13.0 11.8 17.8



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: 31.582 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063249.D

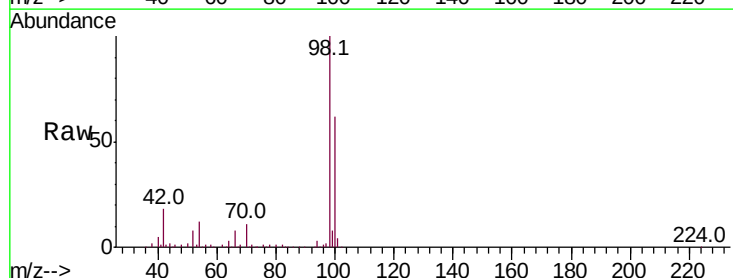
Acq: 30 Jul 2019 18:38

Tgt Ion: 98 Resp: 719517

Ion Ratio Lower Upper

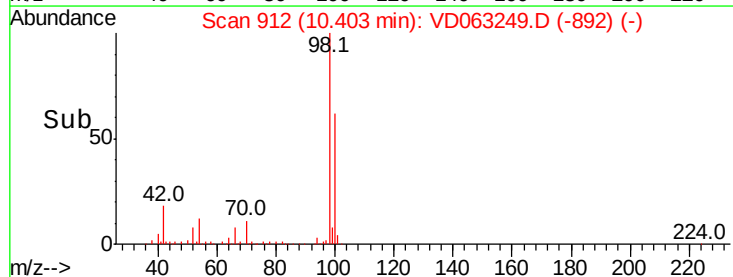
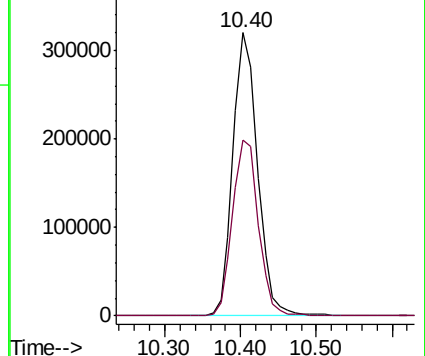
98 100

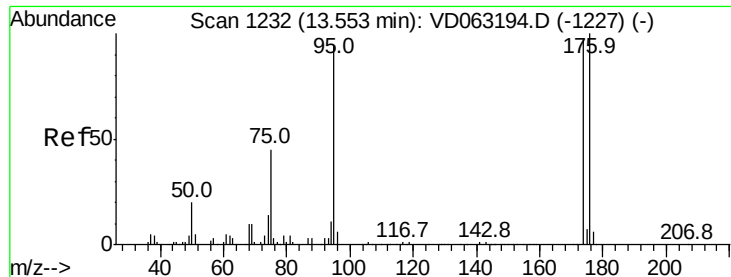
100 62.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 26.013 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063249.D

Acq: 30 Jul 2019 18:38

Instrument :

MSVOA_D

ClientSampled :

SP-5RE

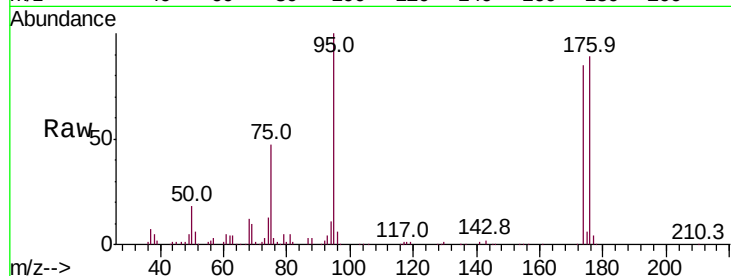
Tot Ion: 95 Resp: 270064

Ion Ratio Lower Upper

95 100

174 85.1 0.0 205.4

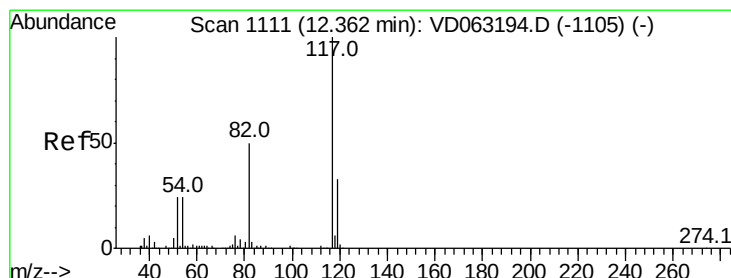
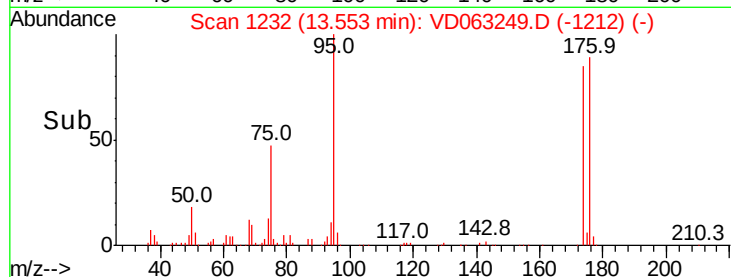
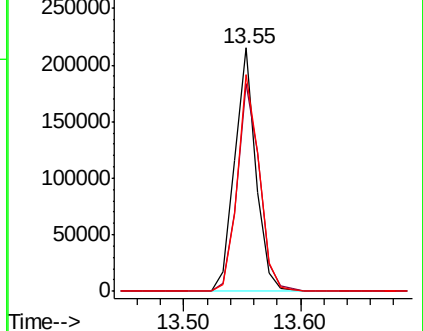
176 89.0 0.0 211.8



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# 1111

Delta R.T. 0.00 min

Lab File: VD063249.D

Acq: 30 Jul 2019 18:38

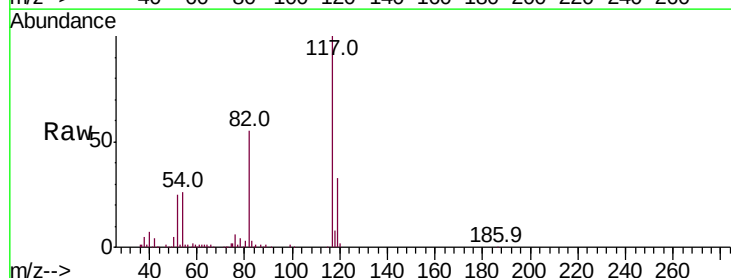
Tgt Ion: 117 Resp: 814077

Ion Ratio Lower Upper

117 100

82 55.3 40.1 60.1

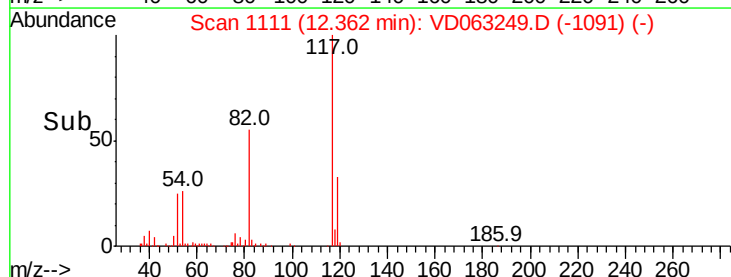
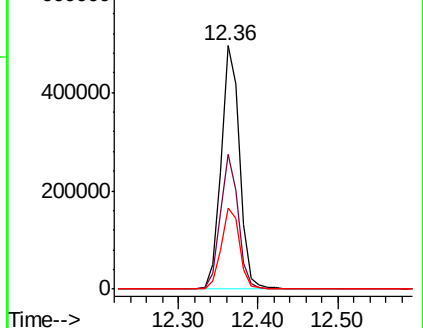
119 33.2 26.5 39.7

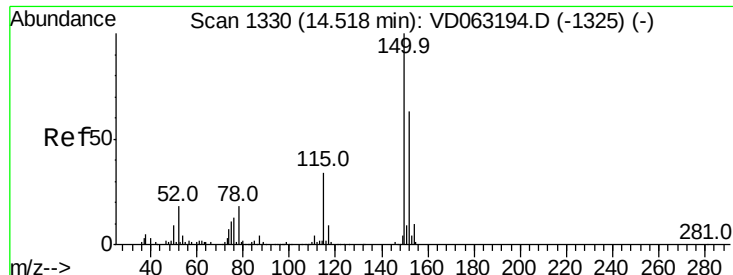


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD063249.D

Acq: 30 Jul 2019 18:38

Instrument :

MSVOA_D

ClientSampleId :

SP-5RE

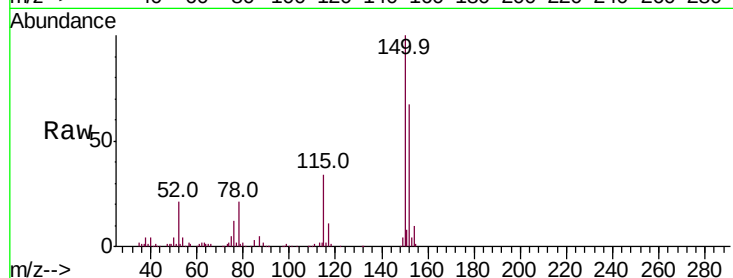
Tot Ion:152 Resp: 300690

Ion Ratio Lower Upper

152 100

115 51.1 27.5 82.4

150 149.2 0.0 320.6



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

