

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062769.D
 Acq On : 19 Jun 2019 2:50
 Operator : VA/AP
 Sample : K3163-11
 Misc : 7.18g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-061719-B

Quant Time: Jun 19 07:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

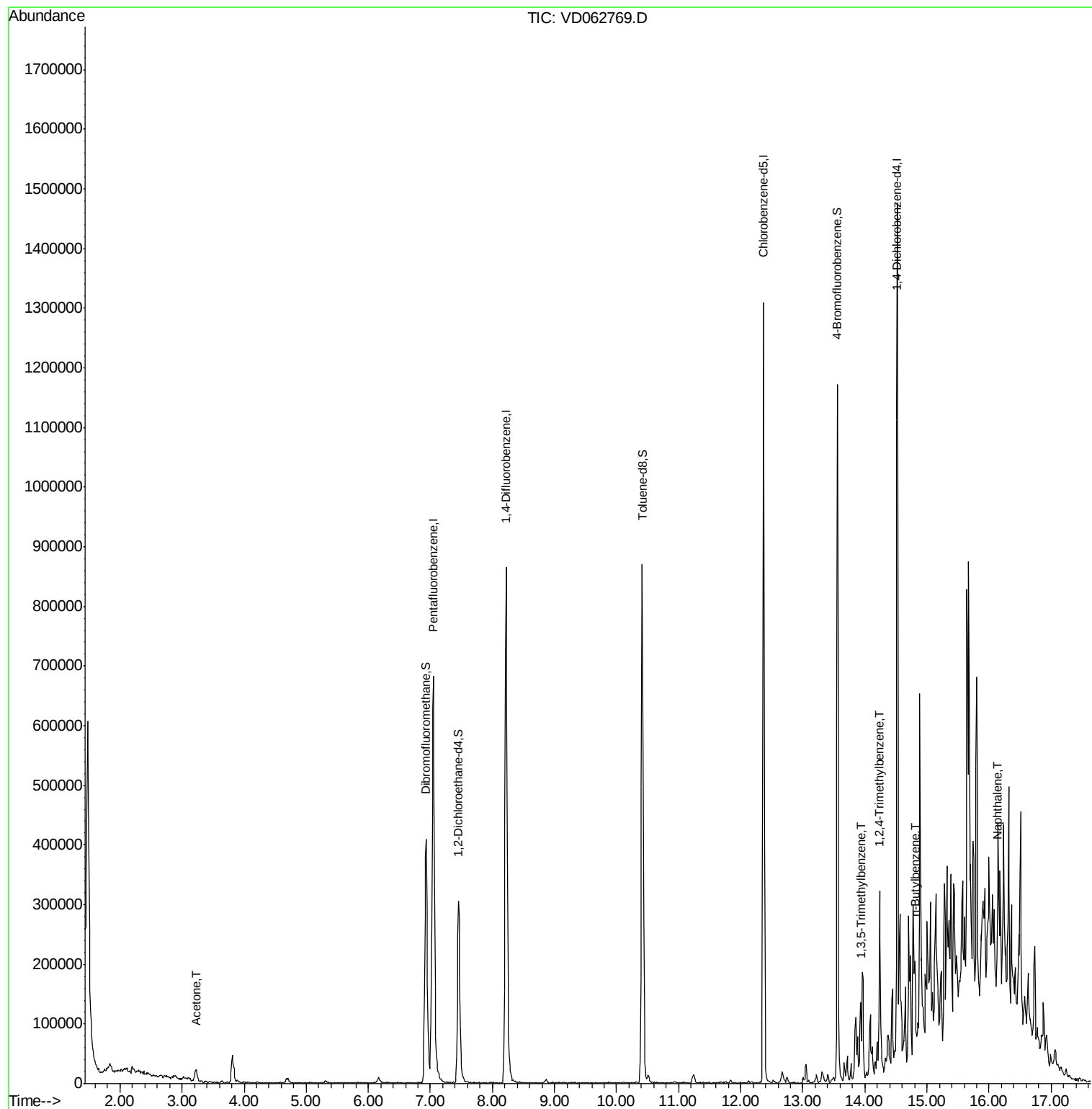
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	658097	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	905738	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	686146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	294971	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	361742	38.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.18%	
35) Dibromofluoromethane	6.93	113	358237	37.50	ug/l	0.01
Spiked Amount 50.000			Recovery	=	75.00%	
50) Toluene-d8	10.42	98	726628	36.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.32%	
62) 4-Bromofluorobenzene	13.56	95	298638	31.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.72%	
Target Compounds						
16) Acetone	3.23	43	44177	25.405	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	37924	2.064	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	134451	7.390	ug/l	95
89) n-Butylbenzene	14.80	91	48243	2.592	ug/l	89
95) Naphthalene	16.13	128	19315	5.130	ug/l #	94

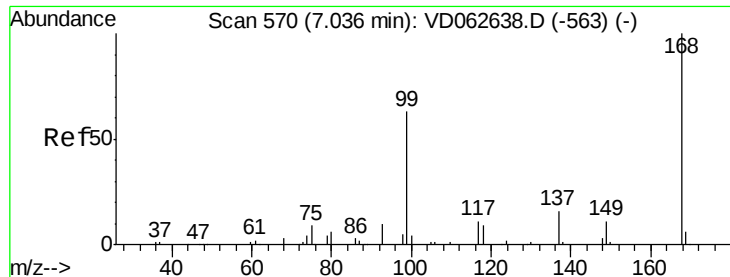
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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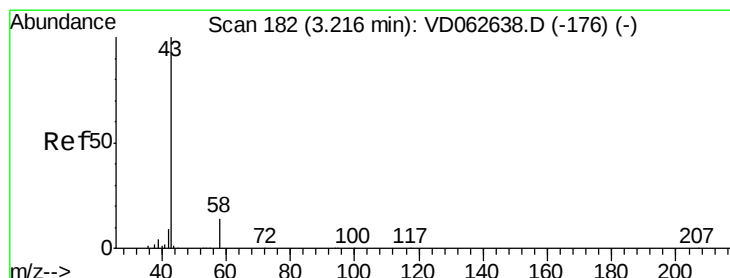
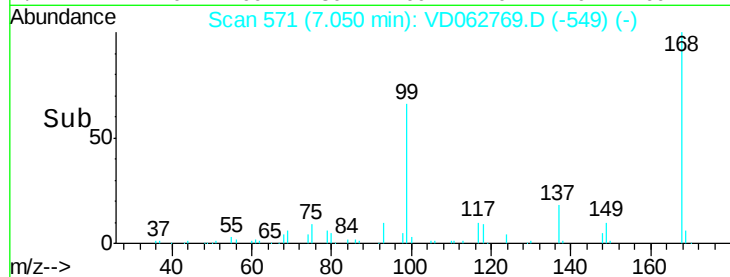
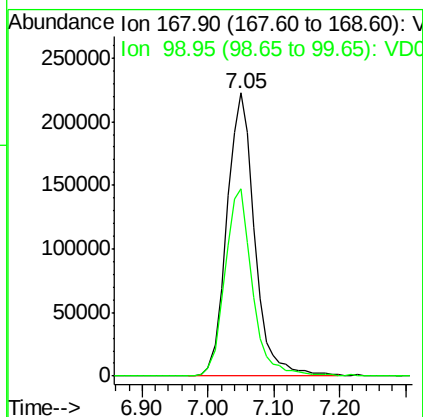
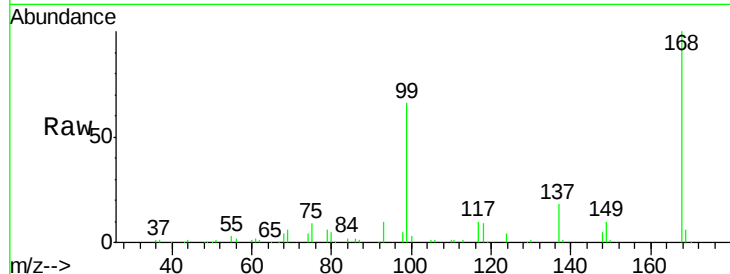




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD062769.D
Acq: 19 Jun 2019 2:50

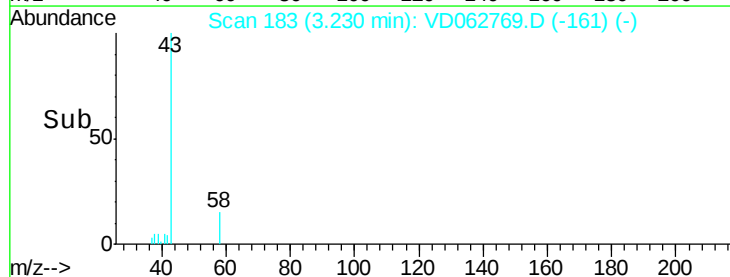
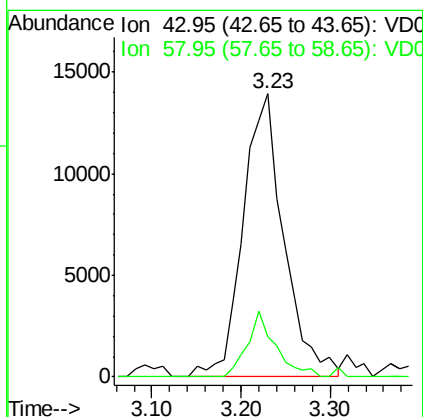
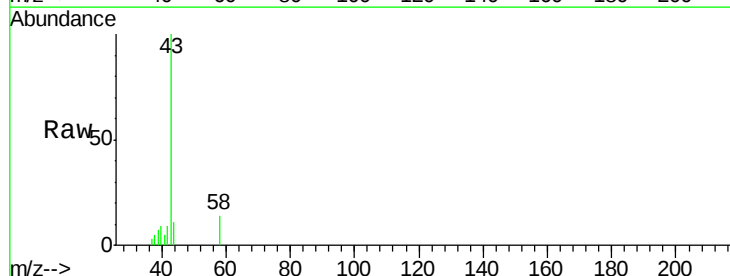
Instrument :
MSVOA_D
ClientSampleId :
SU-03-061719-B

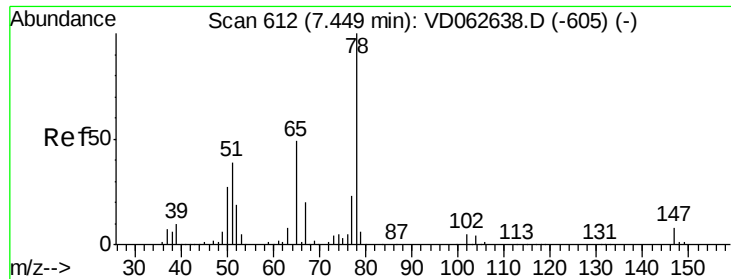
Tot Ion:168 Resp: 658097
Ion Ratio Lower Upper
168 100
99 66.2 51.4 77.2



#16
Acetone
Concen: 25.405 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD062769.D
Acq: 19 Jun 2019 2:50

Tgt Ion: 43 Resp: 44177
Ion Ratio Lower Upper
43 100
58 14.2 10.8 16.2





#33

1,2-Dichloroethane-d4

Concen: 38.093 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

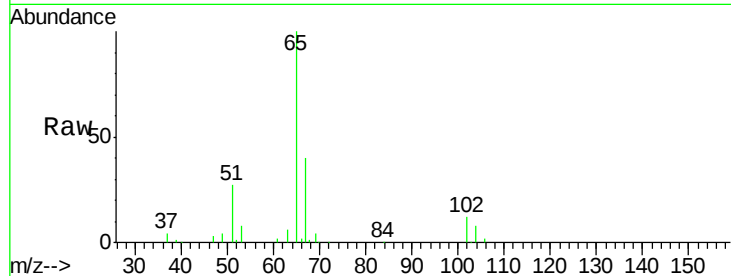
SU-03-061719-B

Tot Ion: 65 Resp: 361742

Ion Ratio Lower Upper

65 100

67 39.5 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

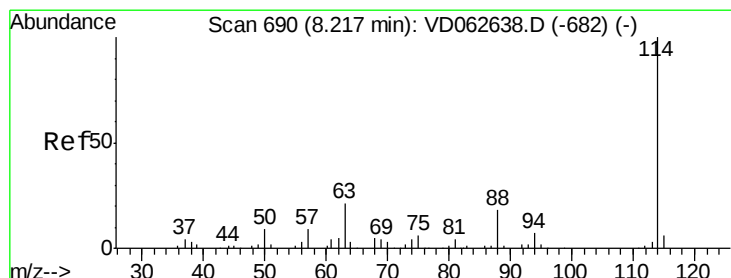
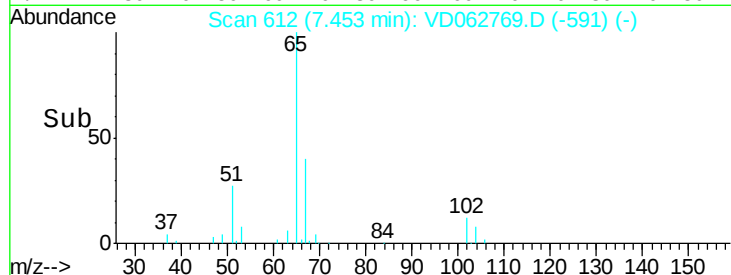
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

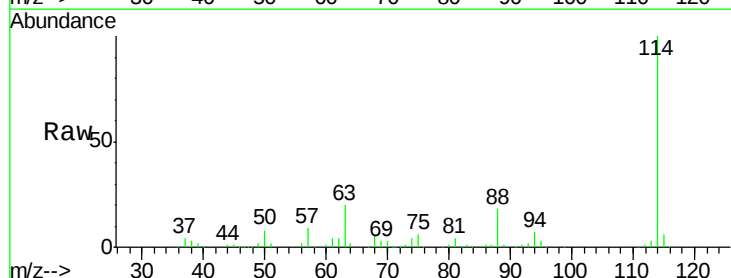
Tgt Ion: 114 Resp: 905738

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 17.7 0.0 36.8



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

8.22

500000

400000

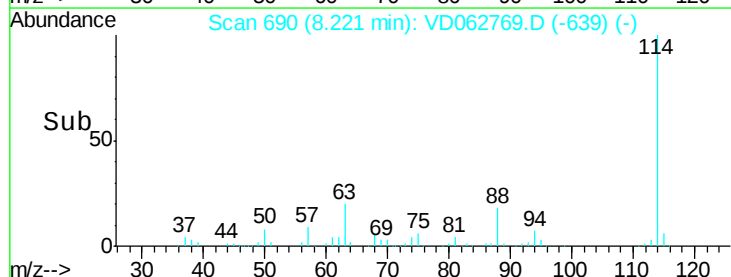
300000

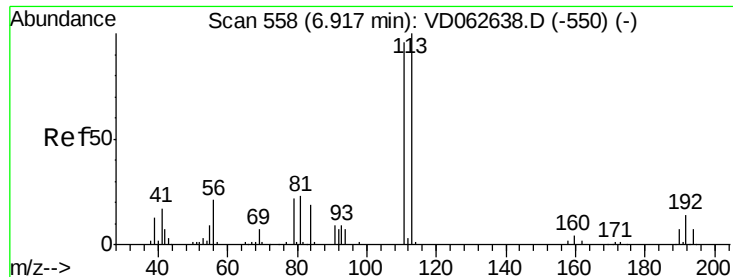
200000

100000

0

Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 37.503 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

SU-03-061719-B

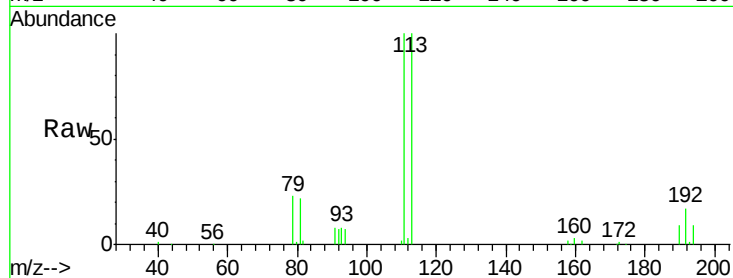
Tot Ion:113 Resp: 358237

Ion Ratio Lower Upper

113 100

111 99.7 76.4 114.6

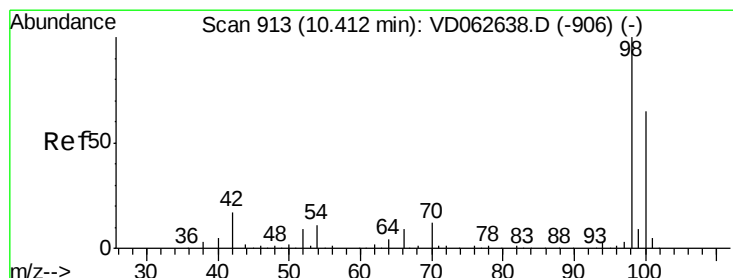
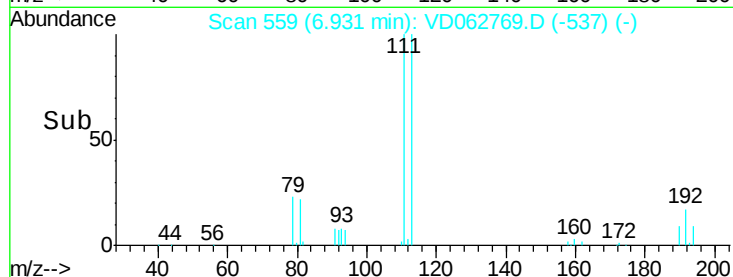
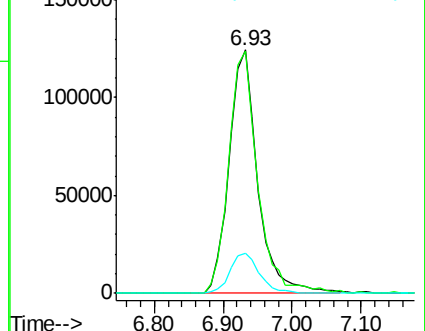
192 16.6 11.4 17.0



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: 36.161 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062769.D

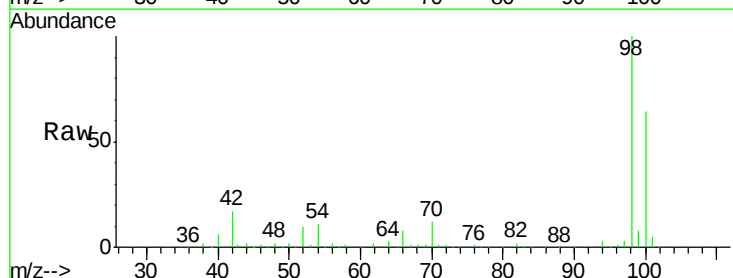
Acq: 19 Jun 2019 2:50

Tgt Ion: 98 Resp: 726628

Ion Ratio Lower Upper

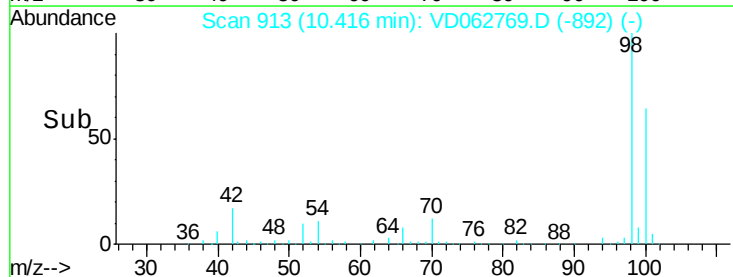
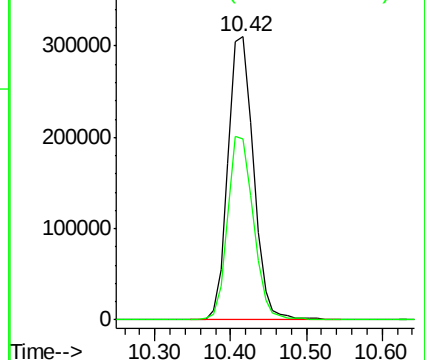
98 100

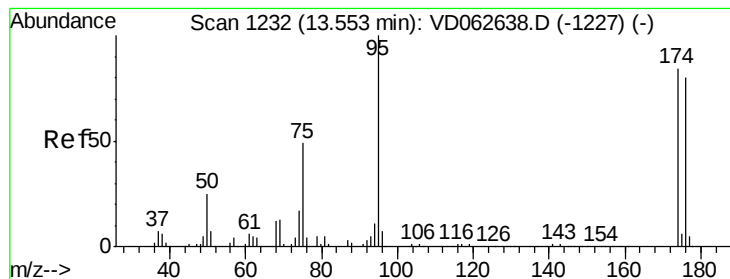
100 64.0 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 31.855 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

SU-03-061719-B

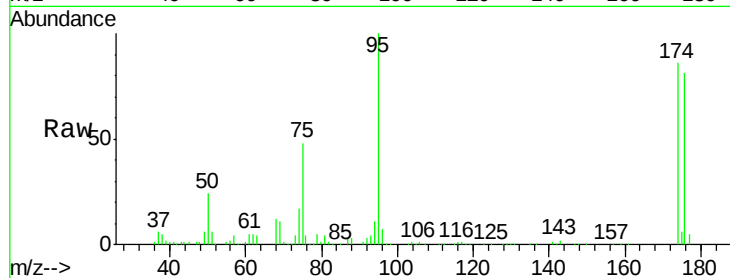
Tot Ion: 95 Resp: 298638

Ion Ratio Lower Upper

95 100

174 85.6 0.0 167.0

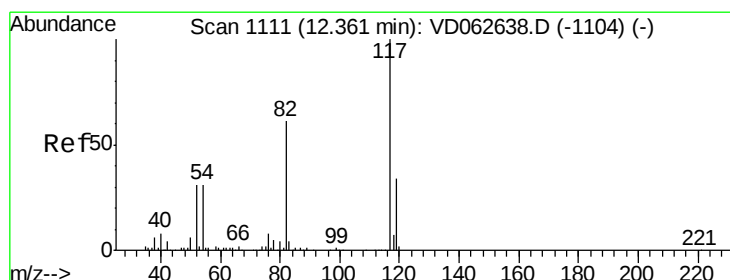
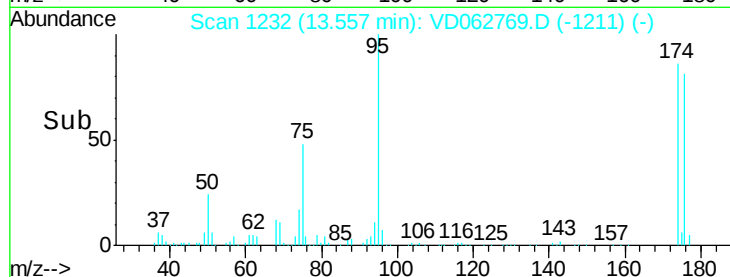
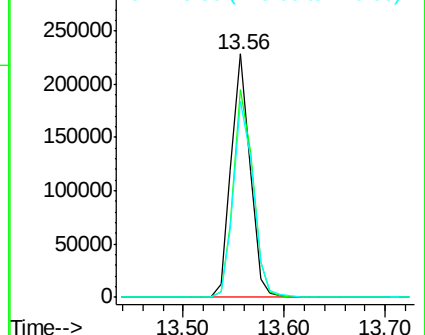
176 80.7 0.0 159.2



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# 1111

Delta R.T. 0.00 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

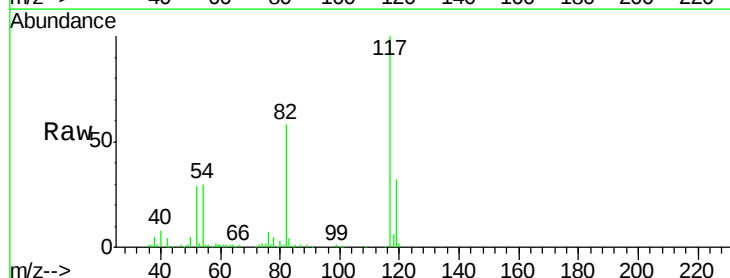
Tgt Ion: 117 Resp: 686146

Ion Ratio Lower Upper

117 100

82 58.3 48.7 73.1

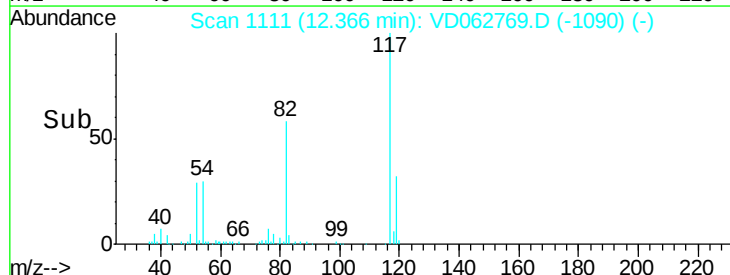
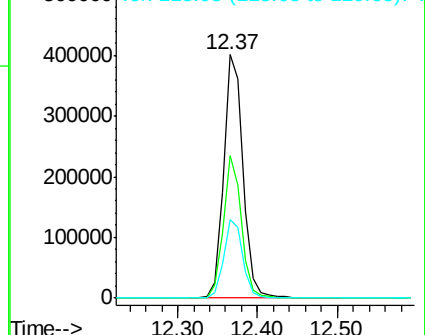
119 32.2 27.0 40.6

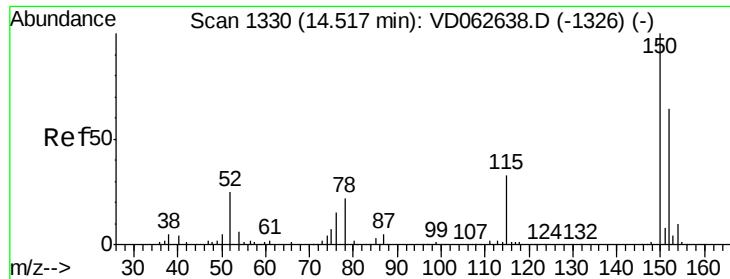


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062769.D

Acq: 19 Jun 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

SU-03-061719-B

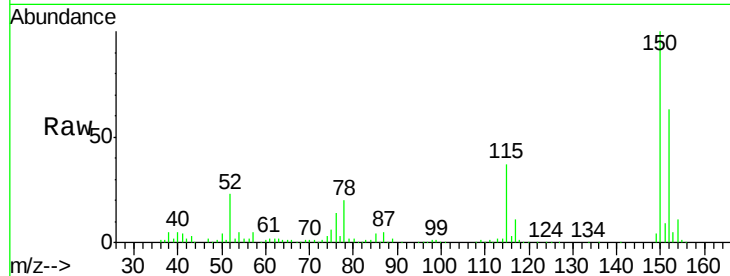
Tot Ion:152 Resp: 294971

Ion Ratio Lower Upper

152 100

115 58.7 30.1 90.5

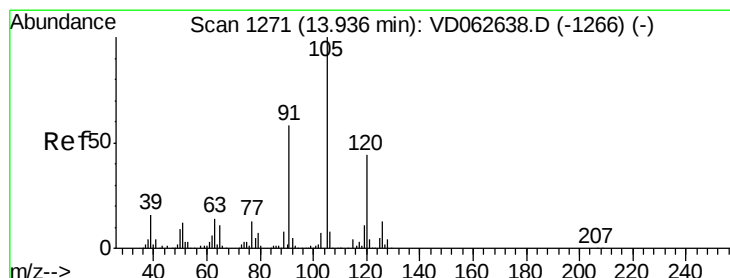
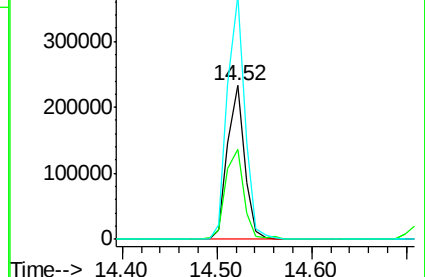
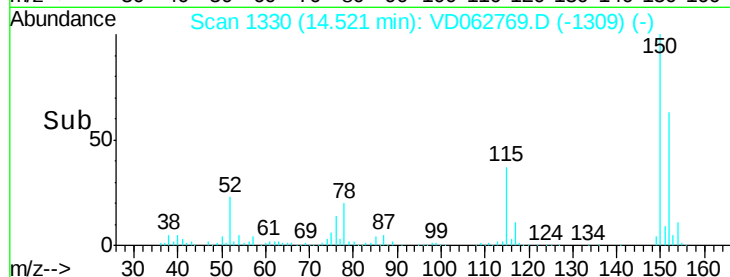
150 158.7 0.0 314.0



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



#80

1,3,5-Trimethylbenzene

Concen: 2.064 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062769.D

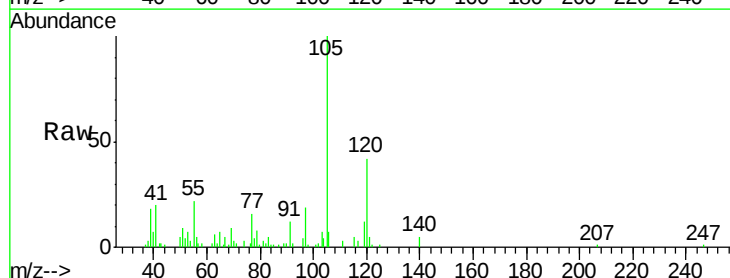
Acq: 19 Jun 2019 2:50

Tgt Ion:105 Resp: 37924

Ion Ratio Lower Upper

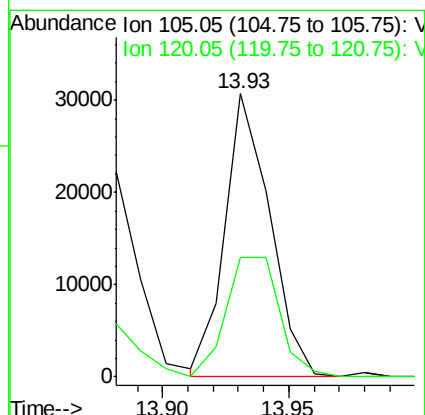
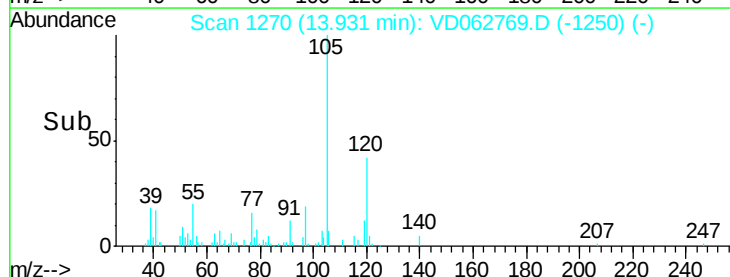
105 100

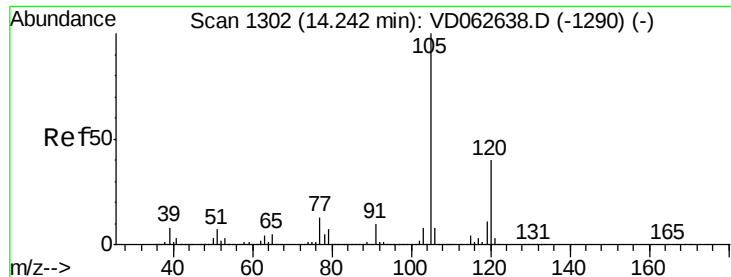
120 42.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

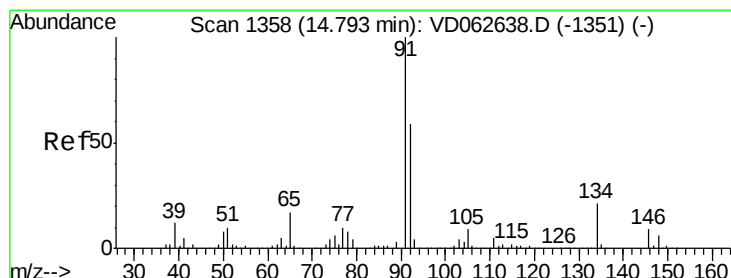
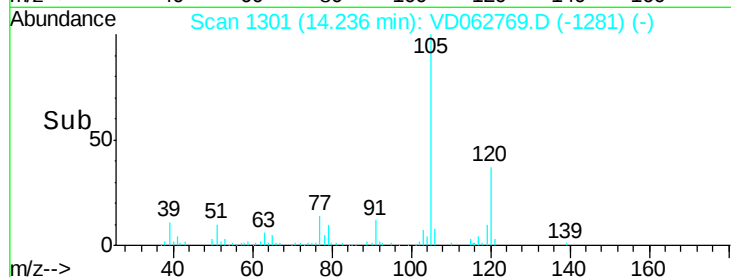
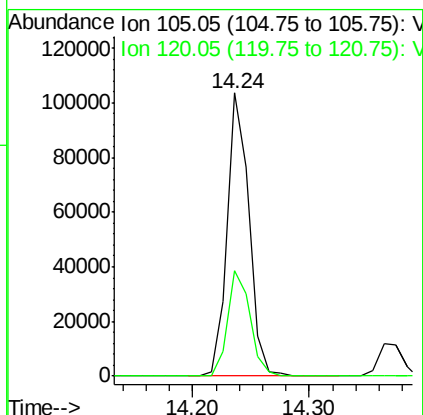
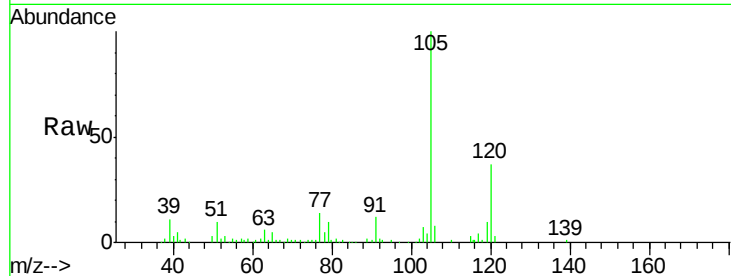




#84
 1,2,4-Trimethylbenzene
 Concen: 7.390 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062769.D
 Acq: 19 Jun 2019 2:50

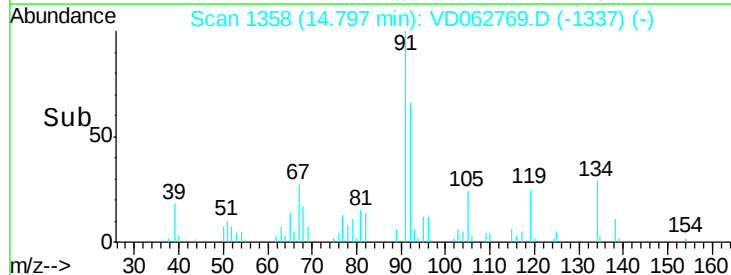
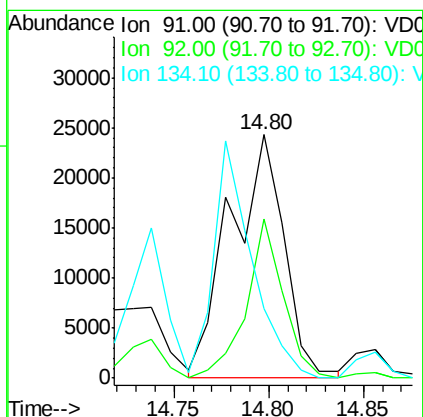
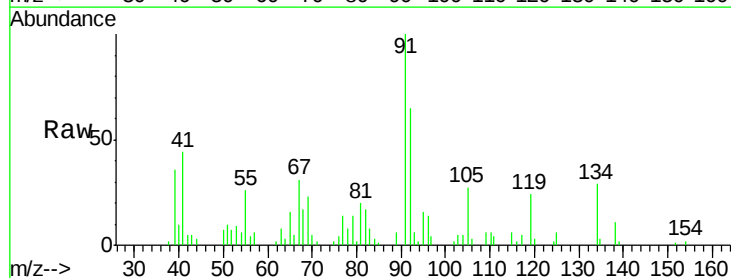
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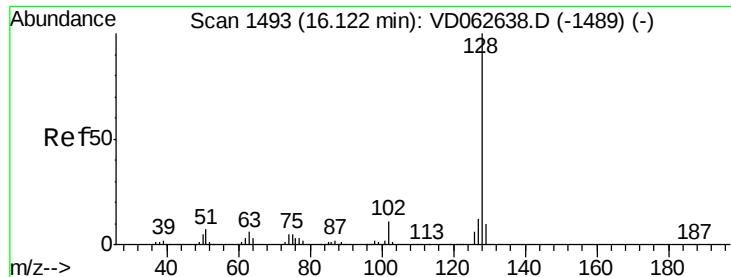
Tot Ion: 105 Resp: 134451
 Ion Ratio Lower Upper
 105 100
 120 37.2 20.3 60.8



#89
 n-Butylbenzene
 Concen: 2.592 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD062769.D
 Acq: 19 Jun 2019 2:50

Tgt Ion: 91 Resp: 48243
 Ion Ratio Lower Upper
 91 100
 92 65.2 29.4 88.3
 134 28.7 10.4 31.2





#95

Naphthalene

Concen: 5.130 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062769.D

Acq: 19 Jun 2019 2:50

Instrument :

MSVOA_D

ClientSampleId :

SU-03-061719-B

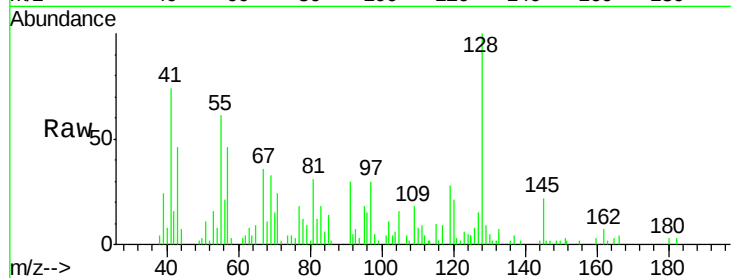
Tot Ion:128 Resp: 19315

Ion Ratio Lower Upper

128 100

127 15.1 9.7 14.5#

129 9.0 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

