

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\
 Data File : VD061120.D
 Acq On : 16 Mar 2019 20:12
 Operator : VA/AP
 Sample : K1685-01
 Misc : 6.07g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

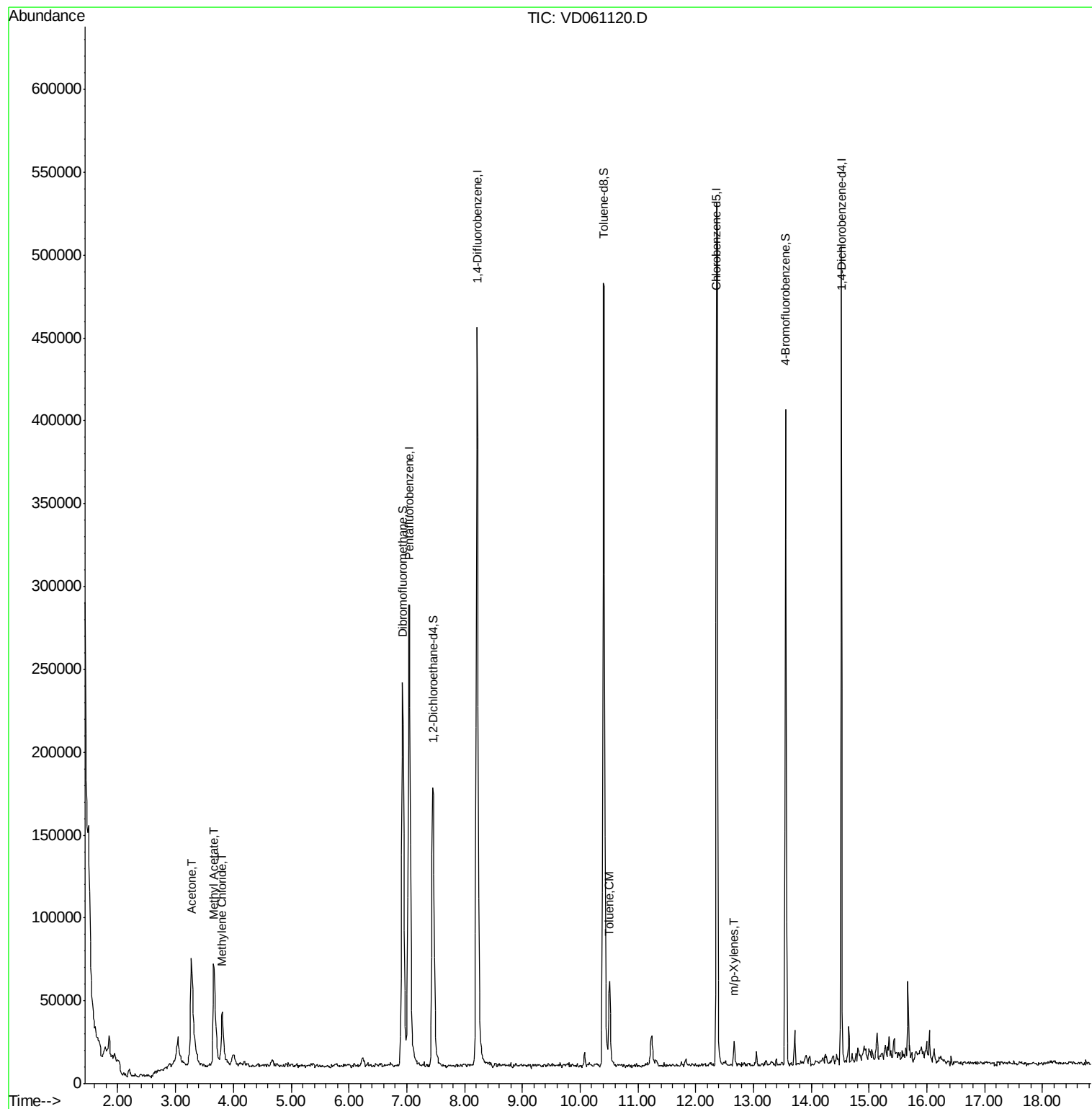
Quant Time: Mar 18 04:45:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	301451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	564441	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	365467	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	107691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	171781	68.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.92%	
35) Dibromofluoromethane	6.93	113	234628	56.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.02%	
50) Toluene-d8	10.41	98	438556	41.69	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	13.55	95	130485	31.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.94%	
Target Compounds						
16) Acetone	3.28	43	157805	219.926	ug/l	97
18) Methyl Acetate	3.67	43	133552	94.577	ug/l	93
20) Methylene Chloride	3.81	84	27187	4.021	ug/l	88
52) Toluene	10.51	92	28472	3.766	ug/l	92
68) m/p-Xylenes	12.66	106	5189	1.239	ug/l	90

(#) = 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. 0.00 min

Lab File: VD061120.D

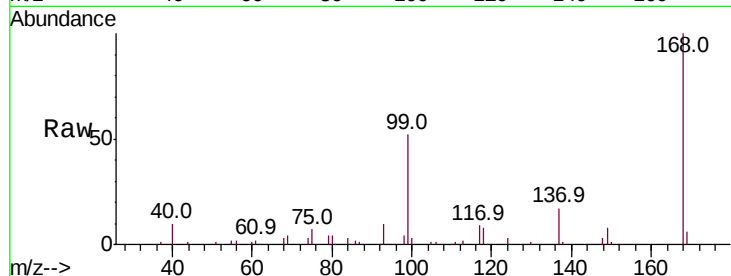
Acq: 16 Mar 2019 20:12

Tot Ion:168 Resp: 301451

Ion Ratio Lower Upper

168 100

99 51.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

120000

100000

80000

60000

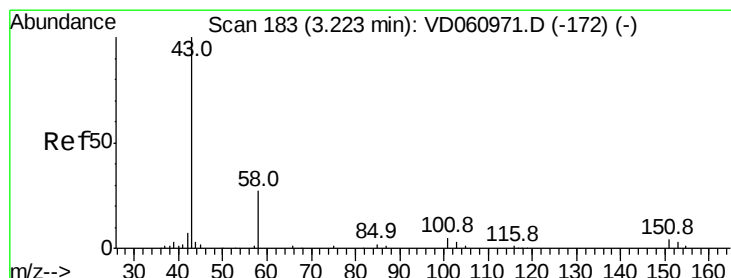
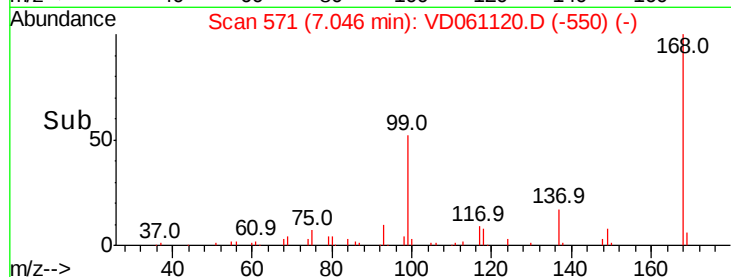
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 219.926 ug/l

RT: 3.28 min Scan# 188

Delta R.T. 0.05 min

Lab File: VD061120.D

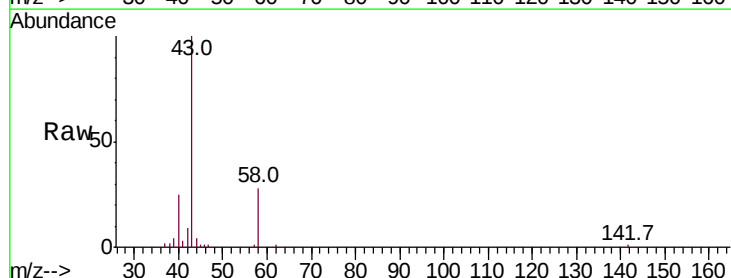
Acq: 16 Mar 2019 20:12

Tgt Ion: 43 Resp: 157805

Ion Ratio Lower Upper

43 100

58 28.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.28

40000

30000

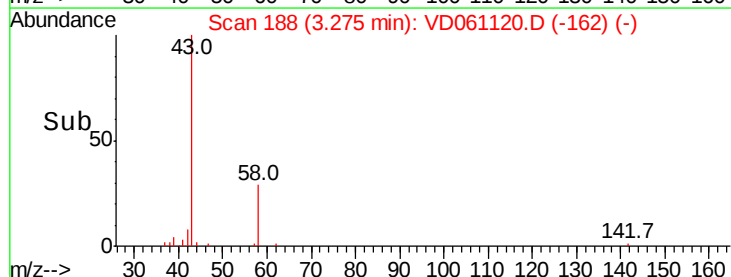
20000

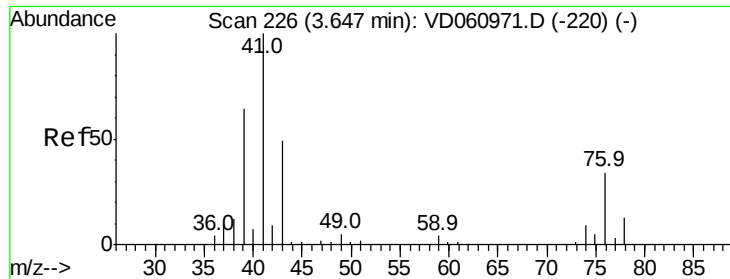
10000

0

Time-->

3.20 3.30 3.40





#18

Methyl Acetate

Concen: 94.577 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD061120.D

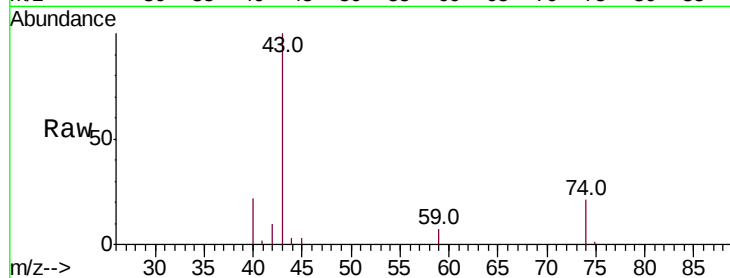
Acq: 16 Mar 2019 20:12

Tot Ion: 43 Resp: 133552

Ion Ratio Lower Upper

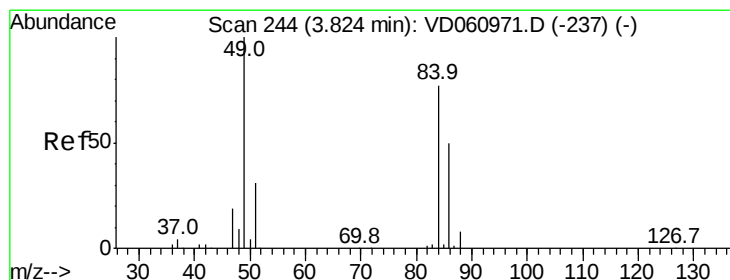
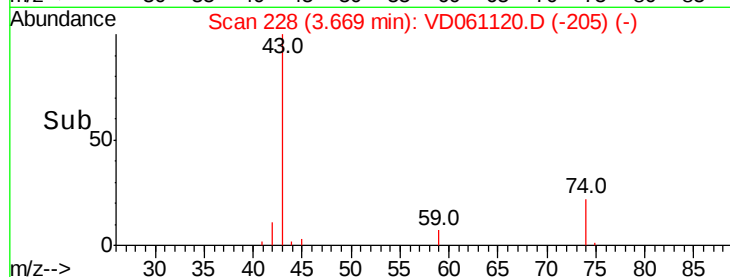
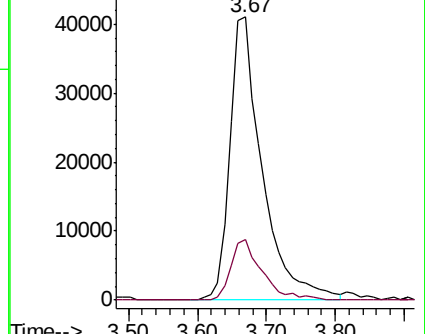
43 100

74 21.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 4.021 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

Tgt Ion: 84 Resp: 27187

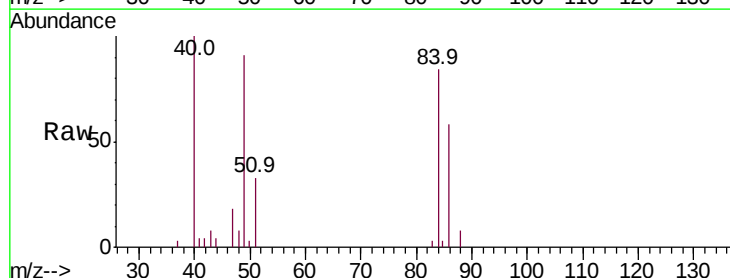
Ion Ratio Lower Upper

84 100

49 107.2 104.2 156.2

51 39.6 32.3 48.5

86 68.6 52.3 78.5

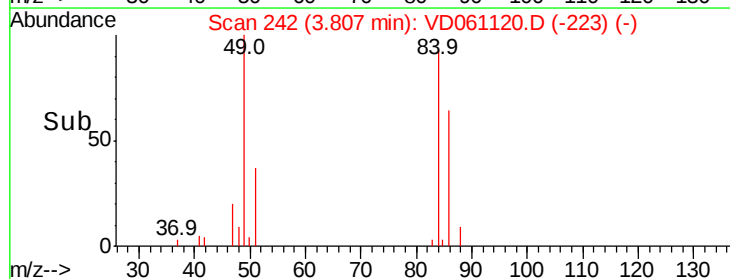
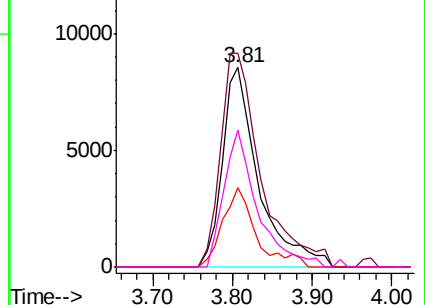


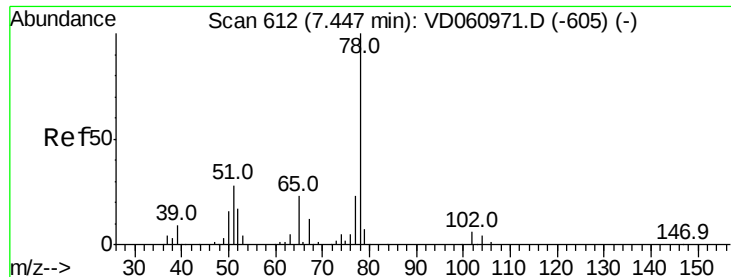
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061120.D

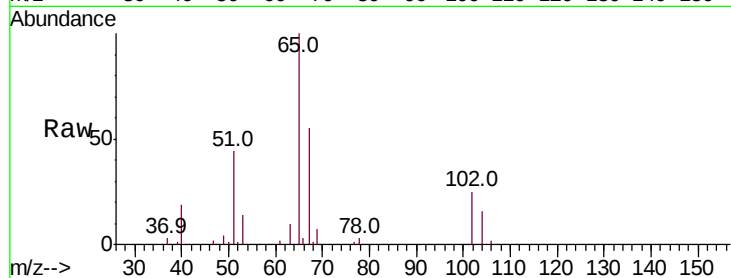
Acq: 16 Mar 2019 20:12

Tot Ion: 65 Resp: 171781

Ion Ratio Lower Upper

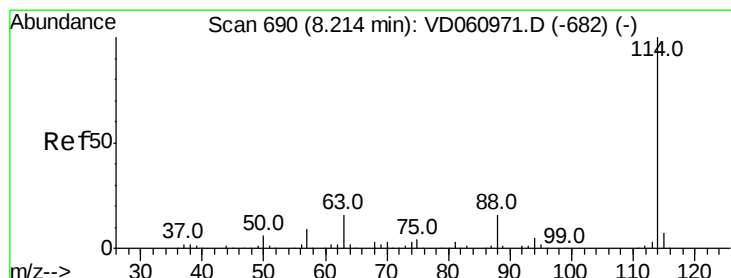
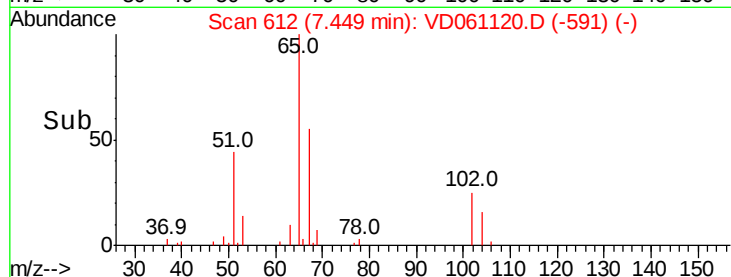
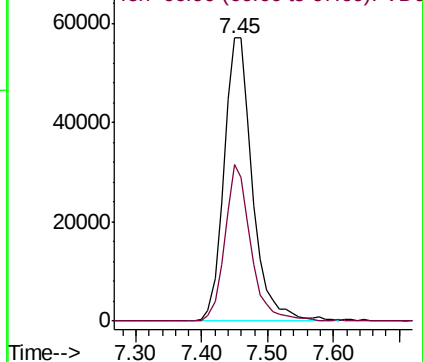
65 100

67 55.2 0.0 105.2



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: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

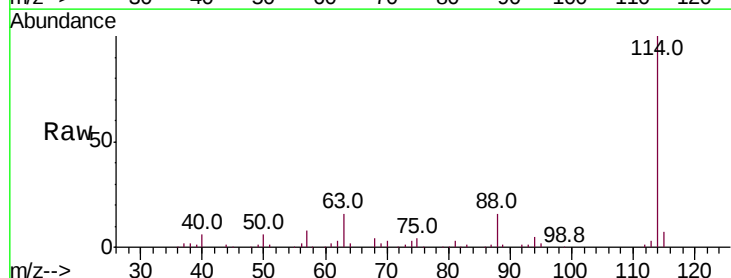
Tgt Ion: 114 Resp: 564441

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

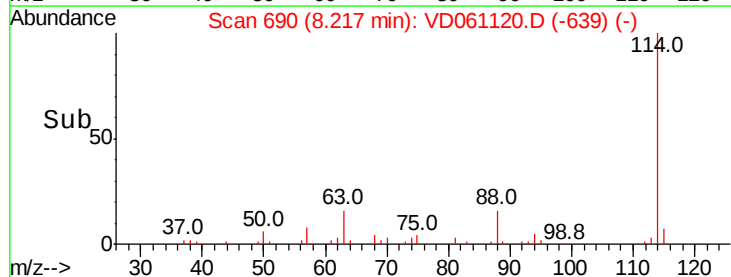
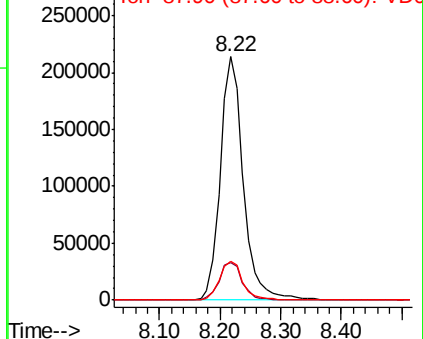
88 16.2 0.0 33.0

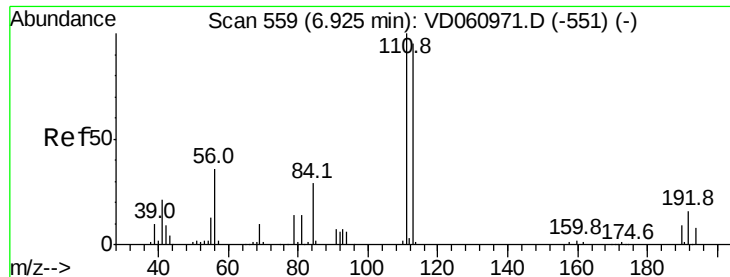


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

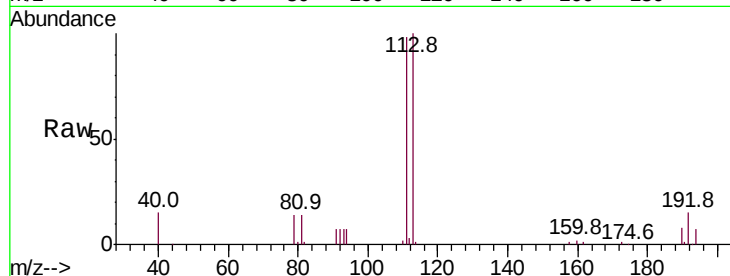
Tot Ion:113 Resp: 234628

Ion	Ratio	Lower	Upper
113	100		
111	98.2	84.2	126.4
192	15.3	13.1	19.7

113 100

111 98.2 84.2 126.4

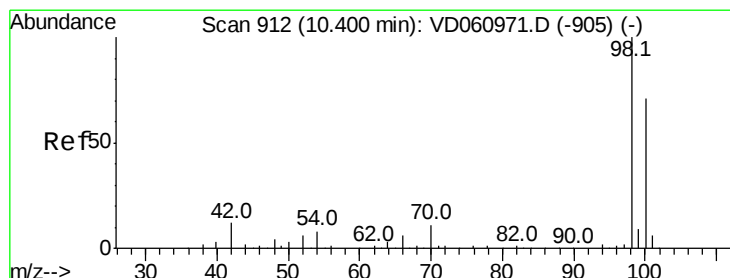
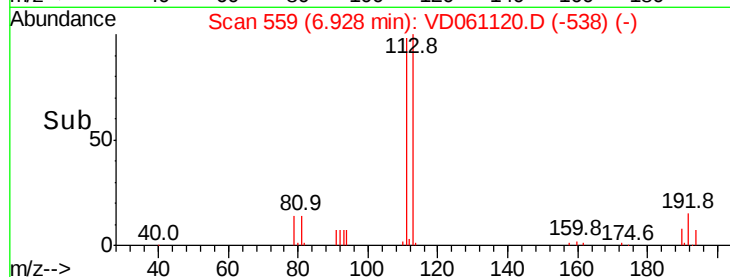
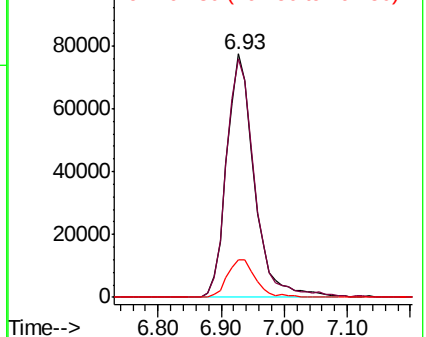
192 15.3 13.1 19.7



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: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061120.D

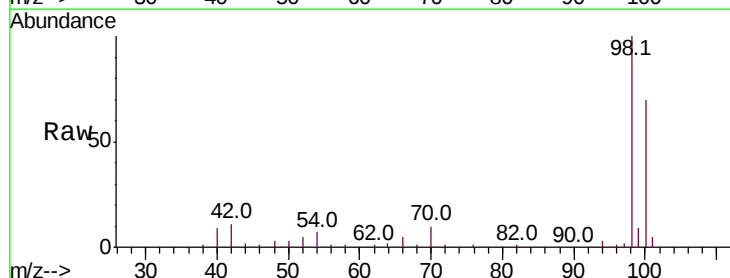
Acq: 16 Mar 2019 20:12

Tgt Ion: 98 Resp: 438556

Ion	Ratio	Lower	Upper
98	100		
100	70.2	57.4	86.2

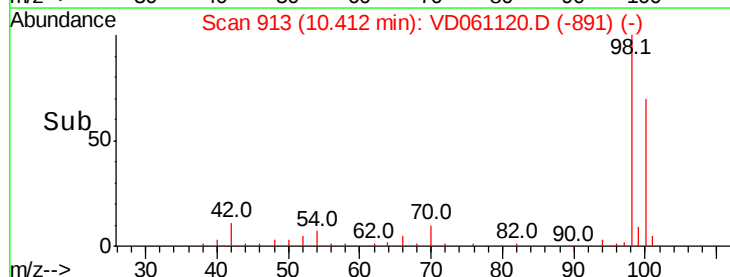
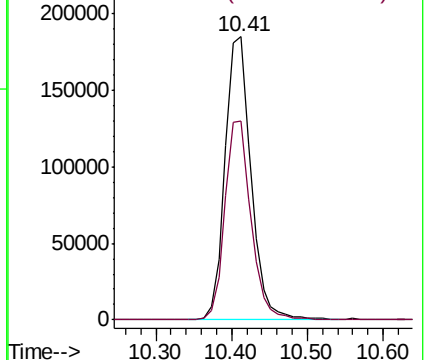
98 100

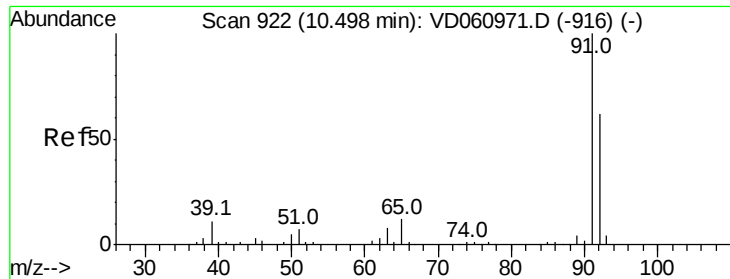
100 70.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.766 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061120.D

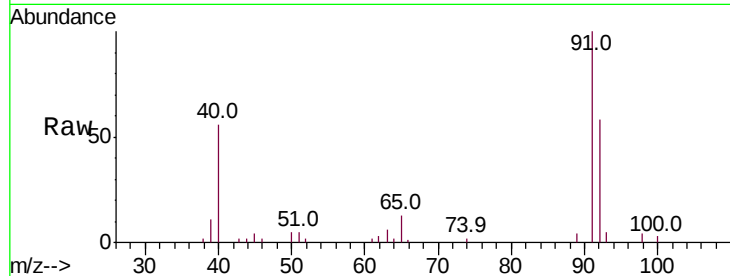
Acq: 16 Mar 2019 20:12

Tot Ion: 92 Resp: 28472

Ion Ratio Lower Upper

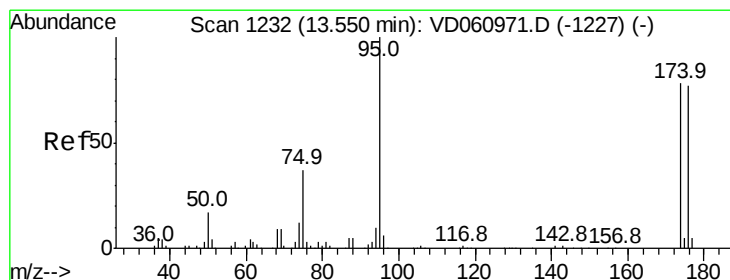
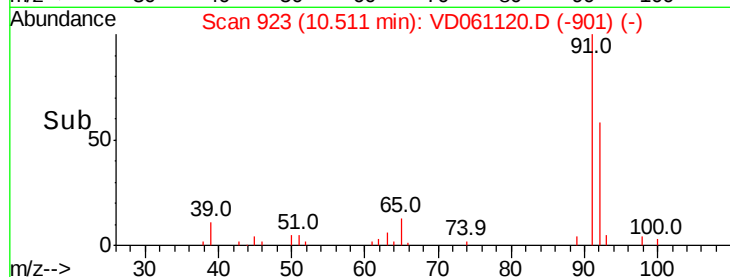
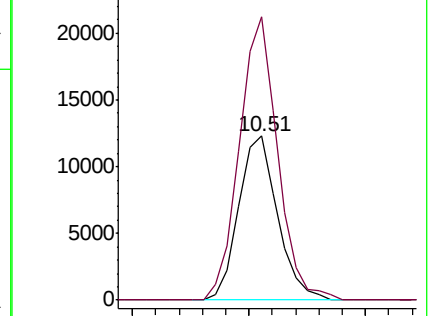
92 100

91 172.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

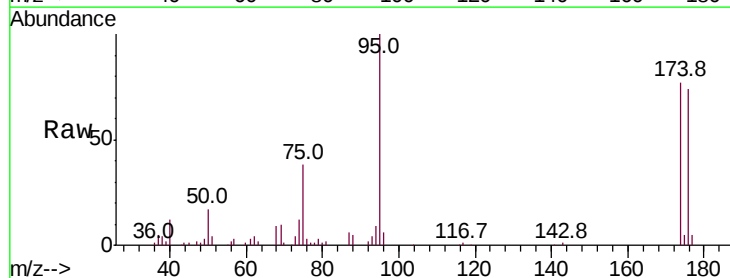
Tgt Ion: 95 Resp: 130485

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.6

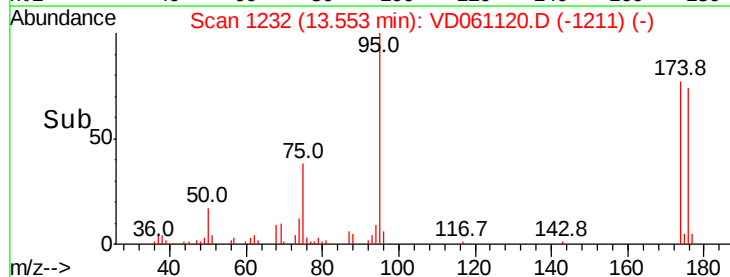
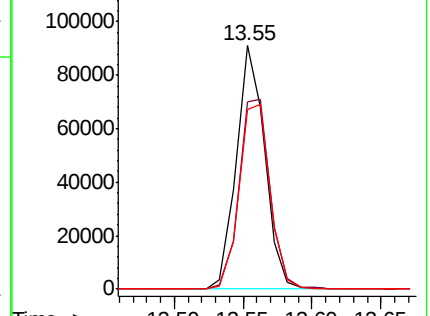
176 73.6 0.0 153.8

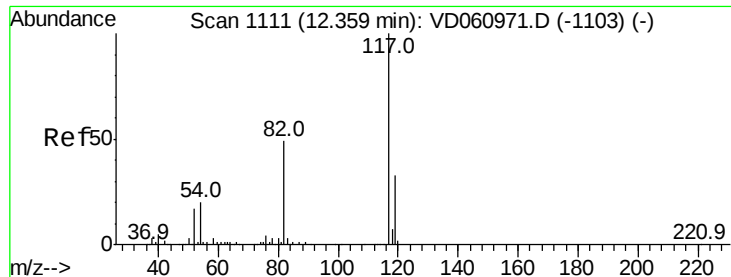


Abundance Ion 95.00 (94.70 to 95.70): VDC

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. 0.01 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

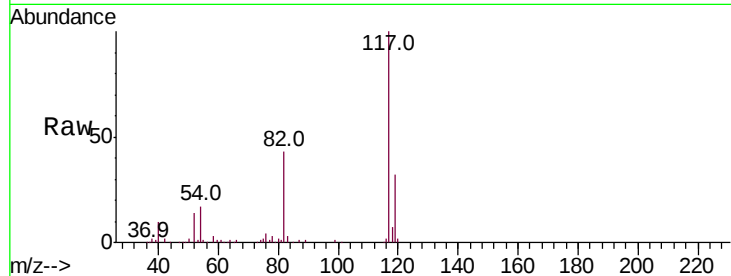
Tot Ion:117 Resp: 365467

Ion Ratio Lower Upper

117 100

82 42.9 38.9 58.3

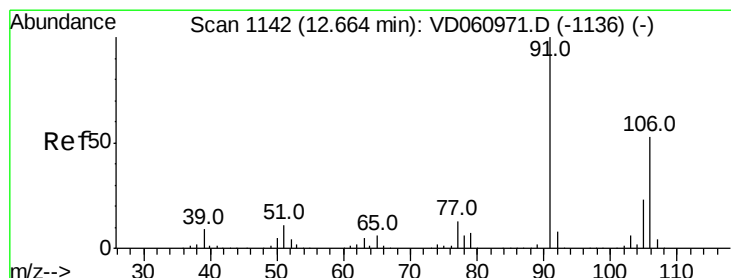
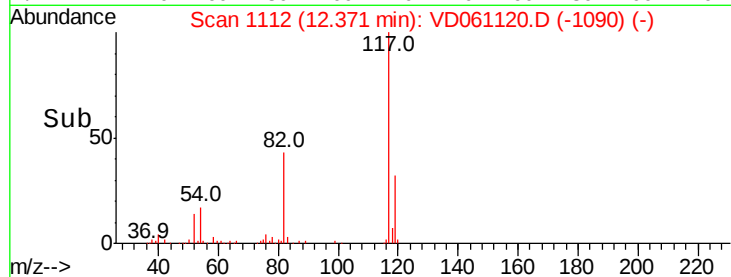
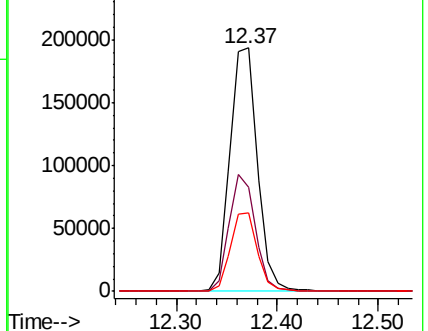
119 32.2 26.6 39.8



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



#68

m/p-Xylenes

Concen: 1.239 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD061120.D

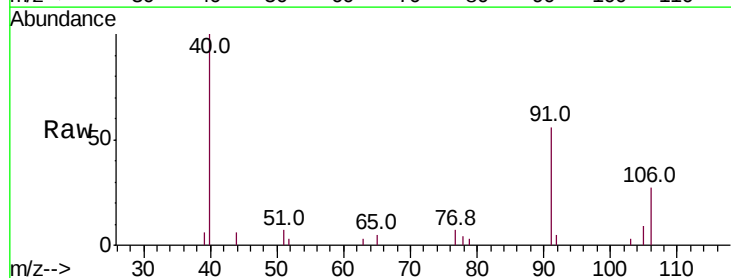
Acq: 16 Mar 2019 20:12

Tgt Ion:106 Resp: 5189

Ion Ratio Lower Upper

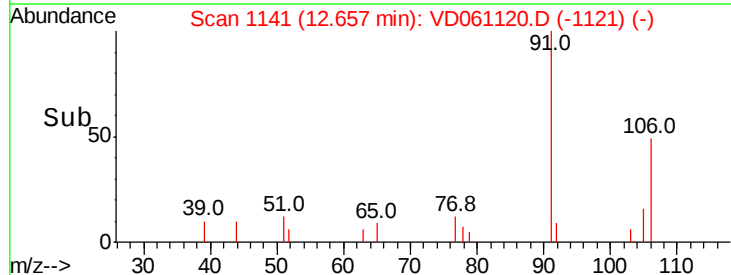
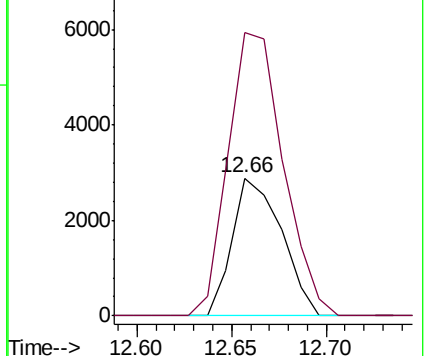
106 100

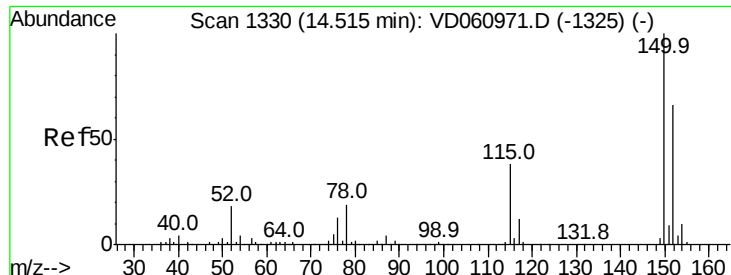
91 205.1 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

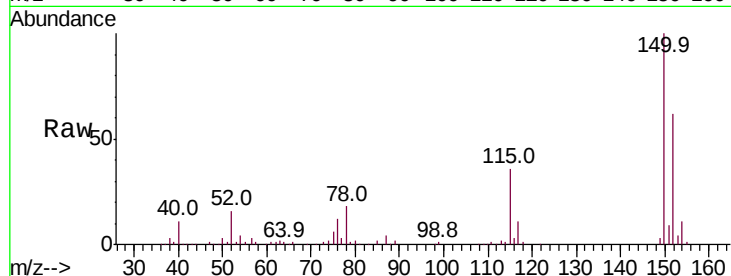
Ion 91.00 (90.70 to 91.70): V





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061120.D
 Acq: 16 Mar 2019 20:12

Tot Ion:	152	Resp:	107691
Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.6	85.9
150	161.2	0.0	310.6



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

