

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061109.D
 Acq On : 16 Mar 2019 15:09
 Operator : VA/AP
 Sample : K1905-03RE
 Misc : 5.56g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 18 02:27:17 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	7.06	168	491619	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	932335	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	686798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	258327	50.00	ug/l	0.00

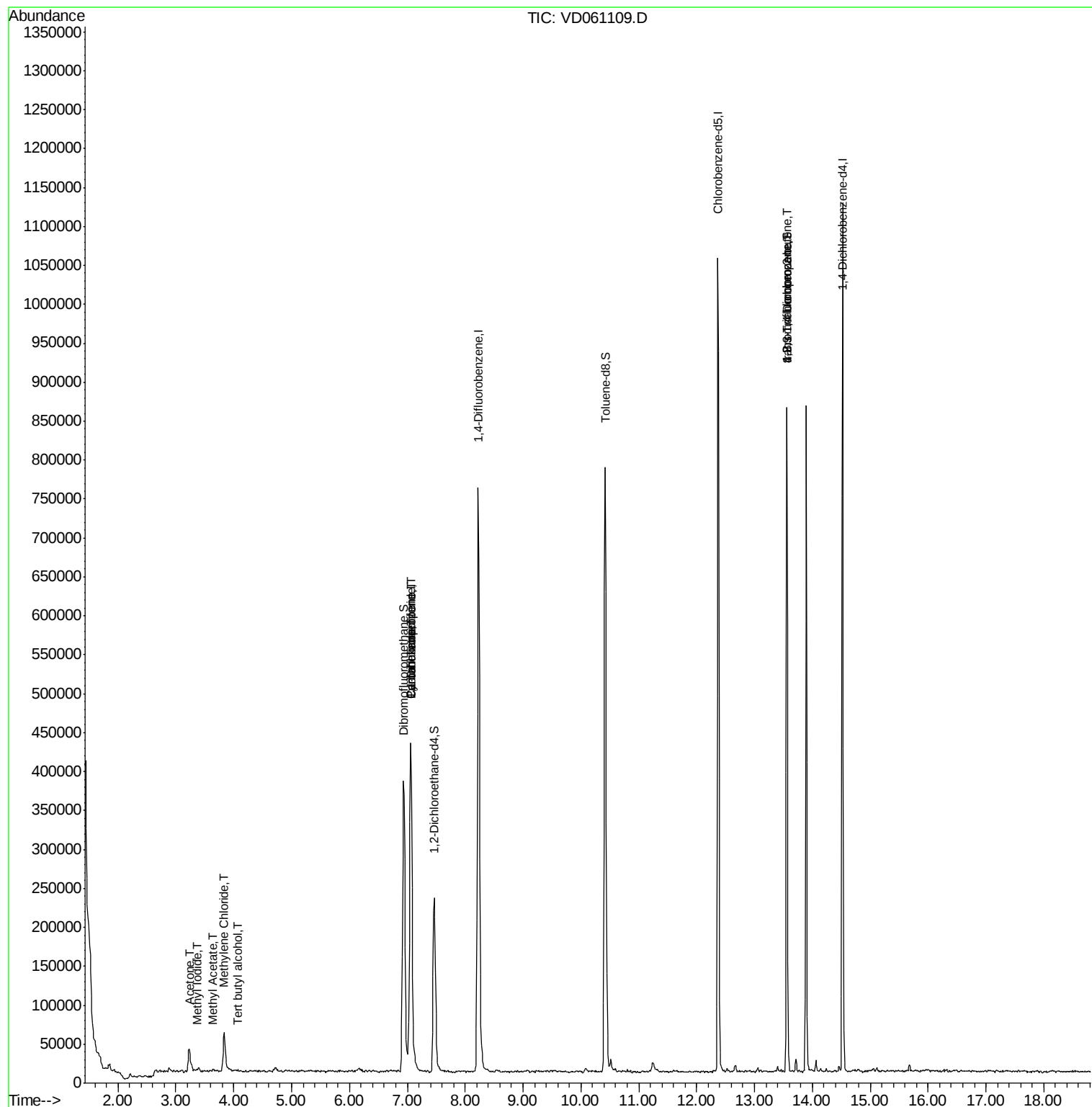
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	229517	56.09	ug/l	0.02
Spiked Amount			Recovery	=	112.18%	
35) Dibromofluoromethane	6.93	113	366368	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.42	98	682096	39.26	ug/l	0.02
Spiked Amount			Recovery	=	78.52%	
62) 4-Bromofluorobenzene	13.56	95	269136	39.92	ug/l	0.00
Spiked Amount			Recovery	=	79.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	551	2.996	ug/l #	39
11) Tert butyl alcohol	4.07	59	480	1.843	ug/l #	75
16) Acetone	3.22	43	55285	47.244	ug/l	99
18) Methyl Acetate	3.65	43	3337	1.449	ug/l #	59
20) Methylene Chloride	3.83	84	39938	3.112	ug/l	98
31) Cyclohexane	7.06	56	7514	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	35540	4.422	ug/l #	46
38) Carbon Tetrachloride	7.06	117	47173	5.329	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	70416	18.947	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	95970	87.588	ug/l #	17

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

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QLast Update : Fri Mar 08 02:35:39 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061109.D

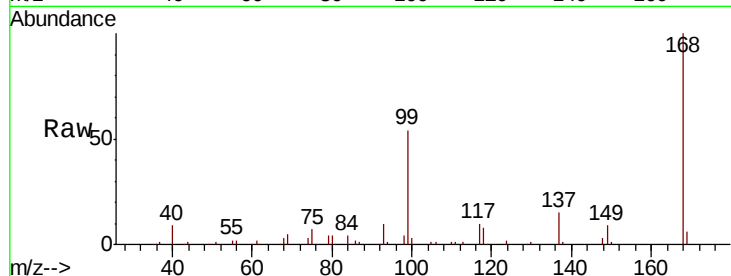
Acq: 16 Mar 2019 15:09

Tgt Ion:168 Resp: 491619

Ion Ratio Lower Upper

168 100

99 54.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

150000

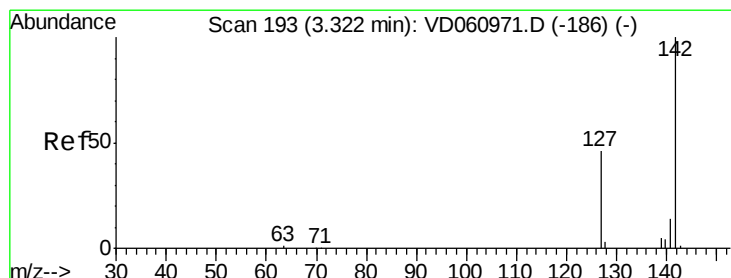
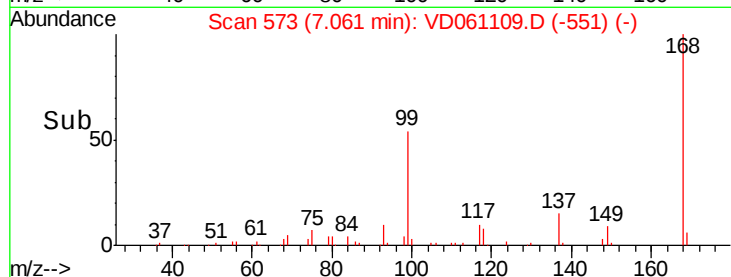
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 2.996 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.03 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

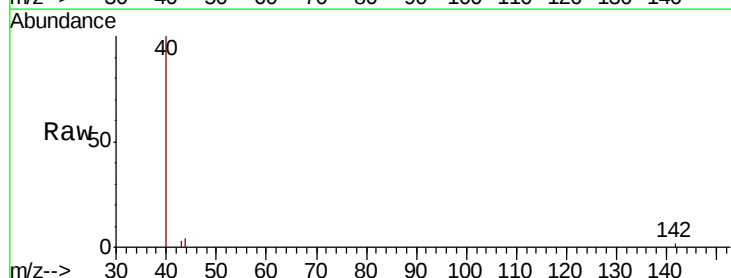
Tgt Ion:142 Resp: 551

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.35

400

300

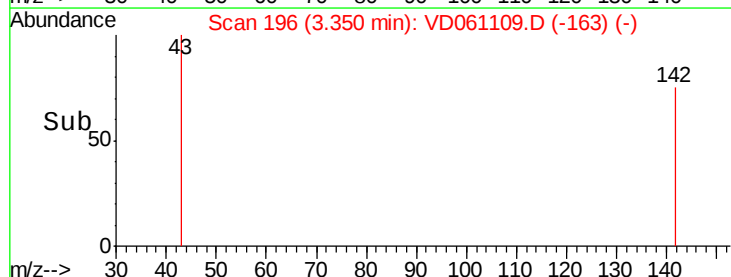
200

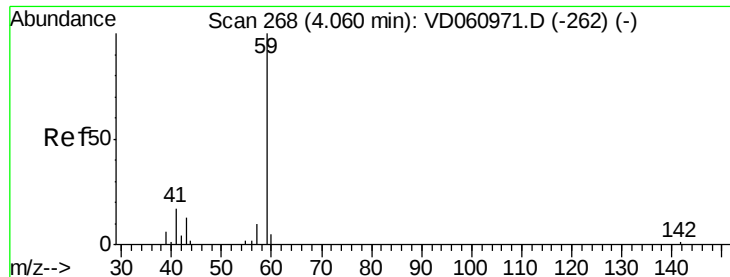
100

0

Time-->

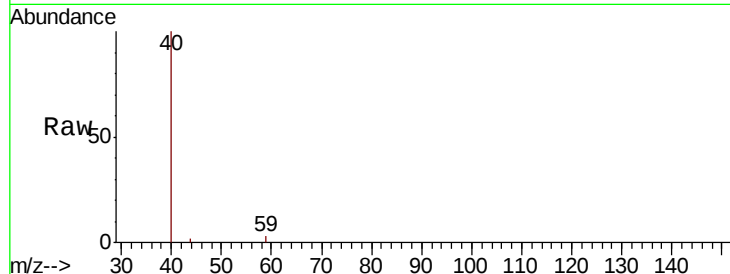
3.30 3.35



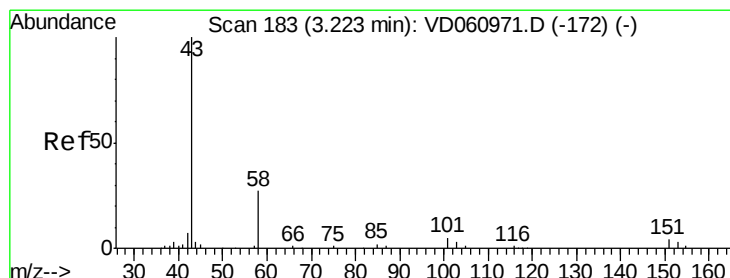
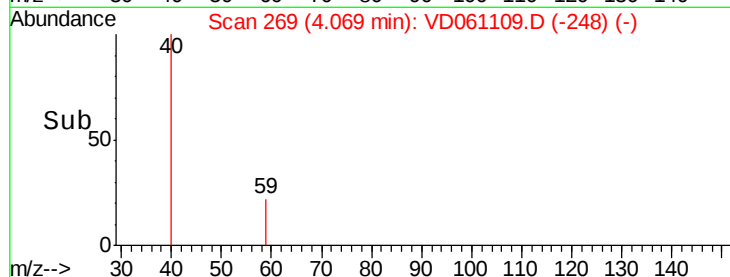
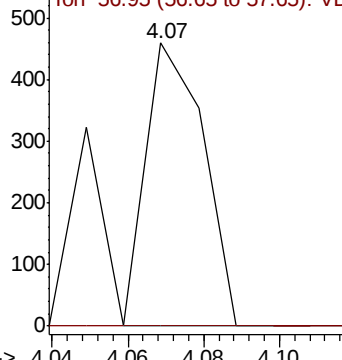


#11
Tert butyl alcohol
Concen: 1.843 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

Tgt Ion: 59 Resp: 480
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#

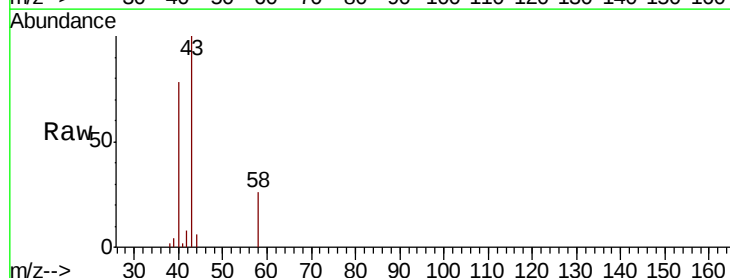


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

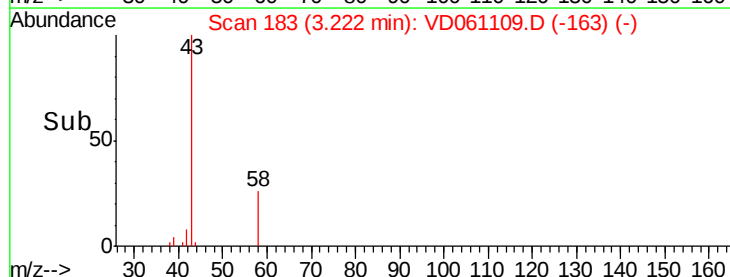
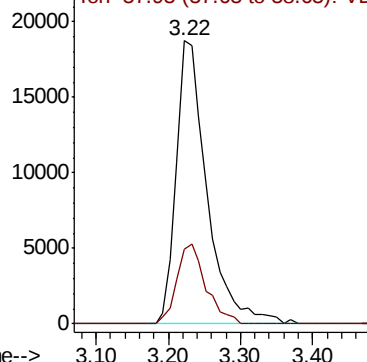


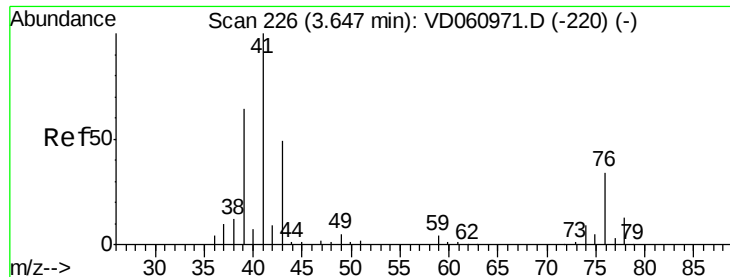
#16
Acetone
Concen: 47.244 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

Tgt Ion: 43 Resp: 55285
Ion Ratio Lower Upper
43 100
58 26.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 1.449 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061109.D

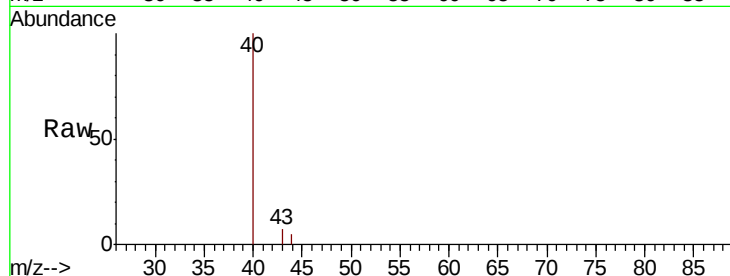
Acq: 16 Mar 2019 15:09

Tgt Ion: 43 Resp: 3337

Ion Ratio Lower Upper

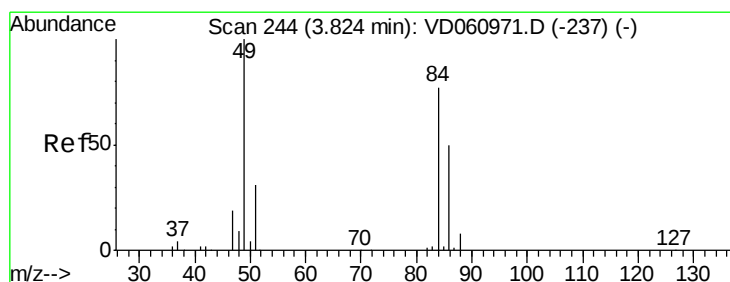
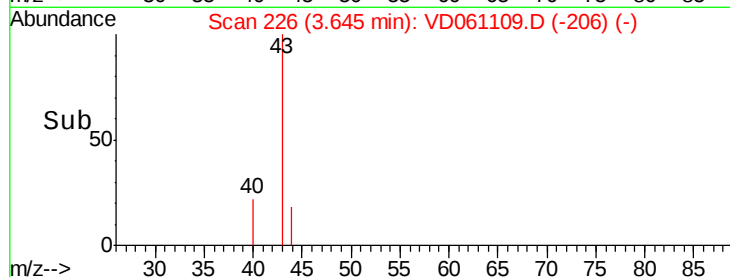
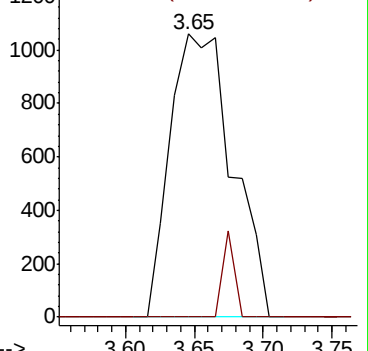
43 100

74 0.0 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: 3.112 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

Tgt Ion: 84 Resp: 39938

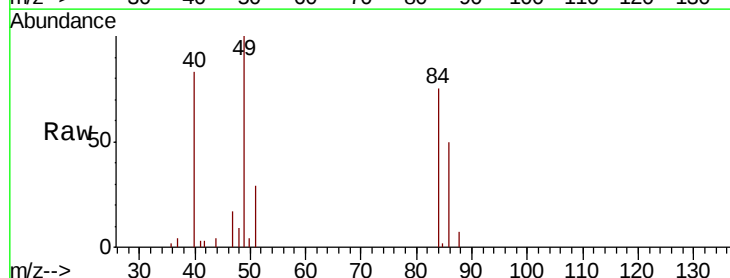
Ion Ratio Lower Upper

84 100

49 132.5 104.2 156.2

51 39.0 32.3 48.5

86 65.9 52.3 78.5

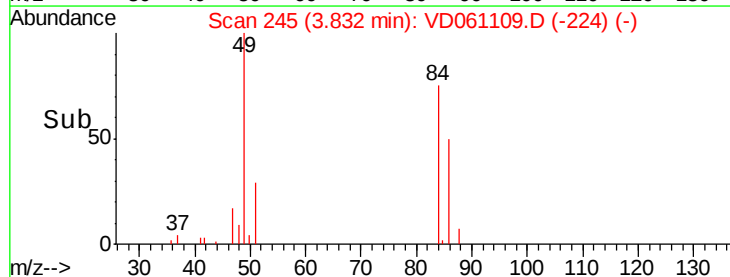
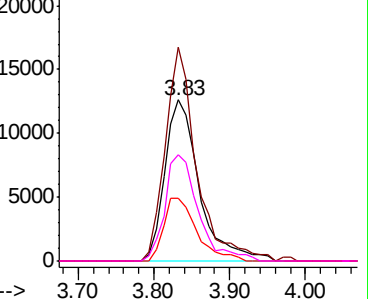


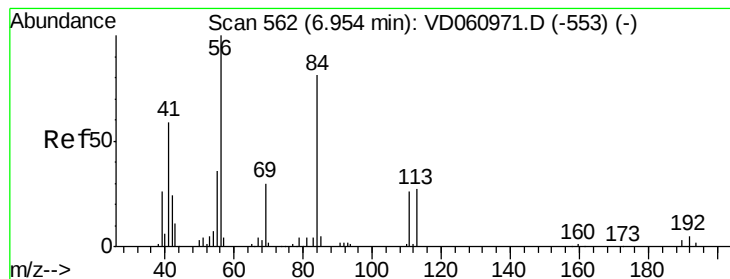
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.038 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

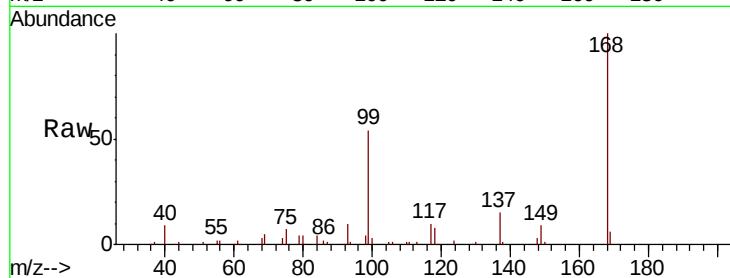
Tgt Ion: 56 Resp: 7514

Ion Ratio Lower Upper

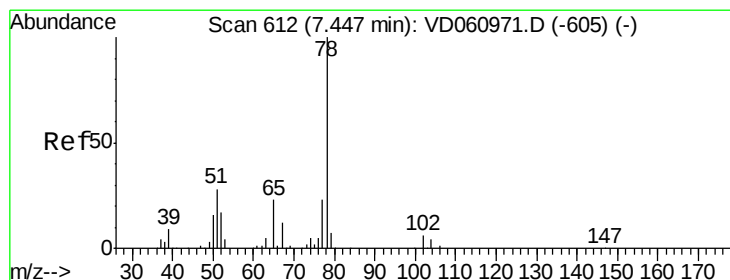
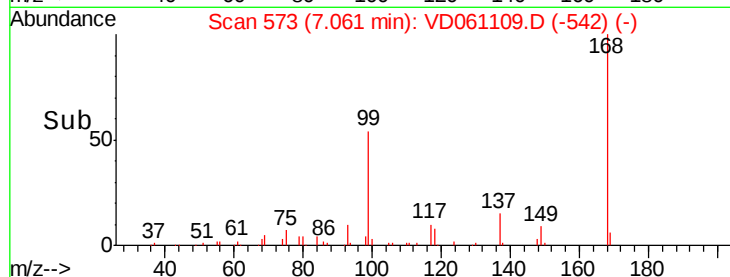
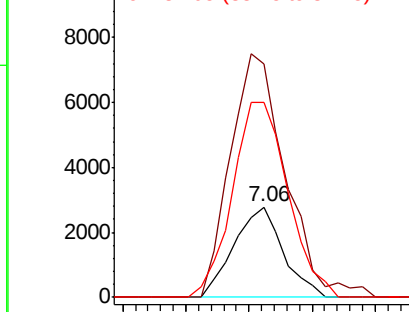
56 100

69 259.6 24.0 36.0#

84 216.4 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061109.D

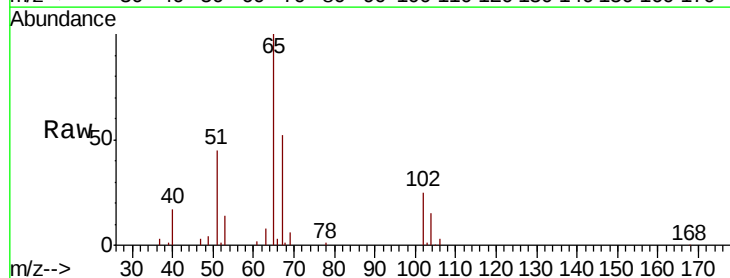
Acq: 16 Mar 2019 15:09

Tgt Ion: 65 Resp: 229517

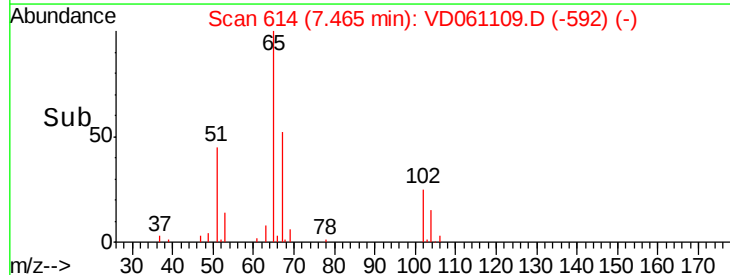
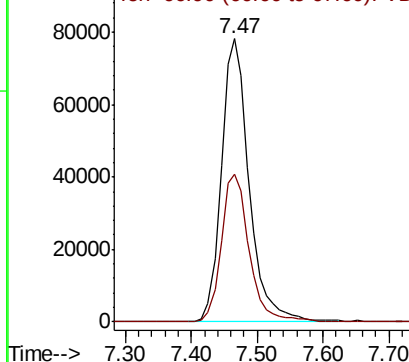
Ion Ratio Lower Upper

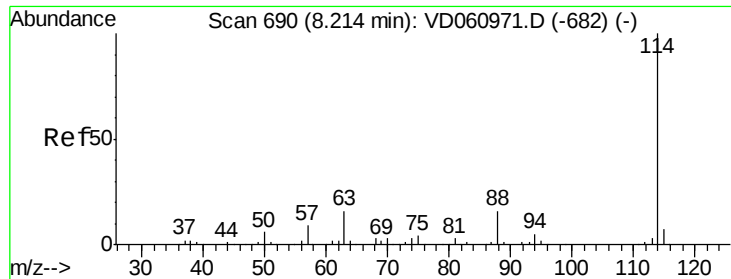
65 100

67 52.1 0.0 105.2



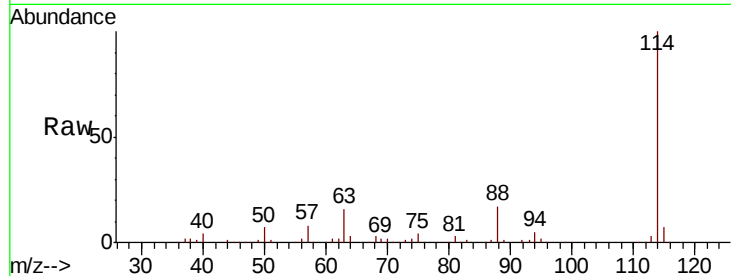
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



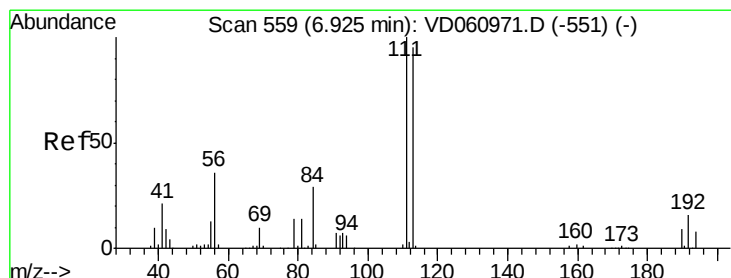
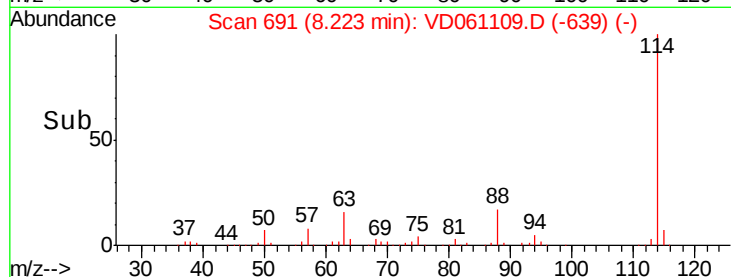
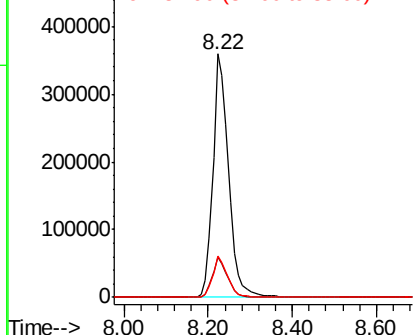


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 691
Delta R.T. 0.01 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

Tgt Ion:114 Resp: 932335
Ion Ratio Lower Upper
114 100
63 16.3 0.0 31.4
88 16.8 0.0 33.0

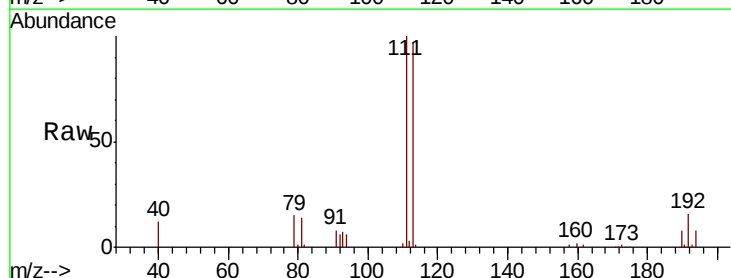


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

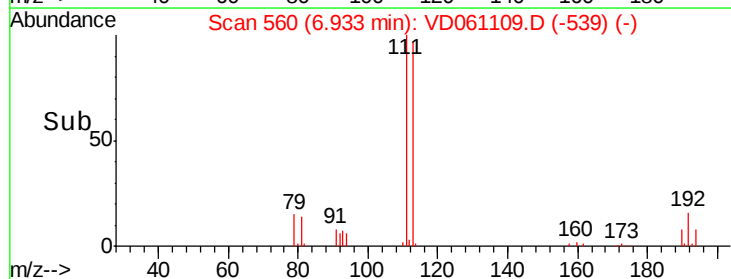
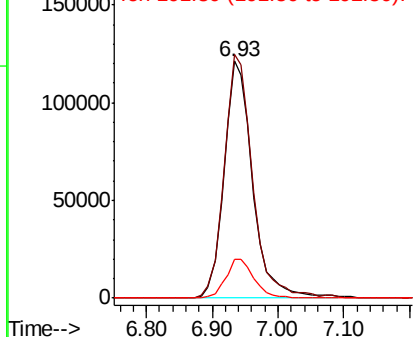


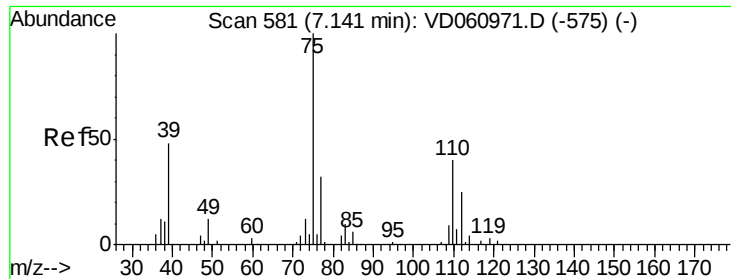
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

Tgt Ion:113 Resp: 366368
Ion Ratio Lower Upper
113 100
111 102.8 84.2 126.4
192 16.3 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





#36

1,1-Dichloropropene

Concen: 4.422 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

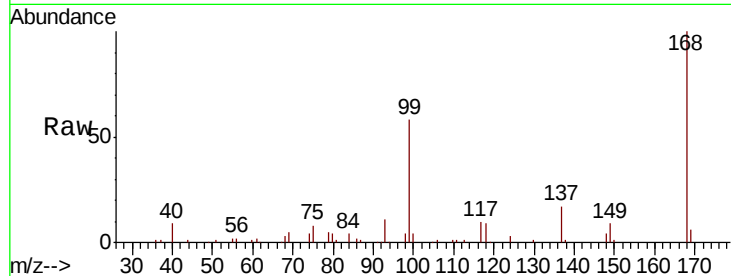
Tgt Ion: 75 Resp: 35540

Ion Ratio Lower Upper

75 100

110 6.9 19.7 59.1#

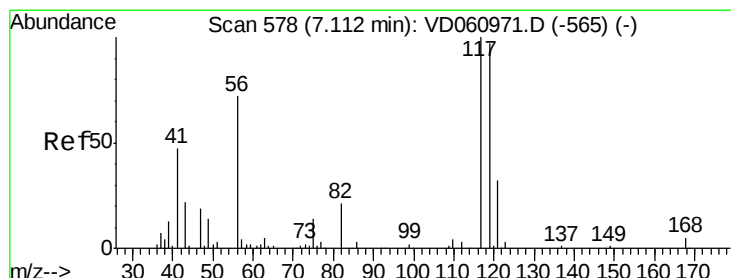
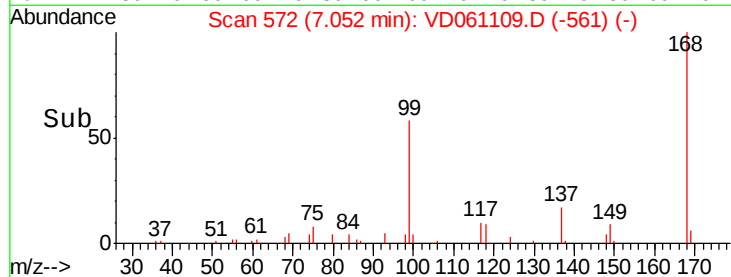
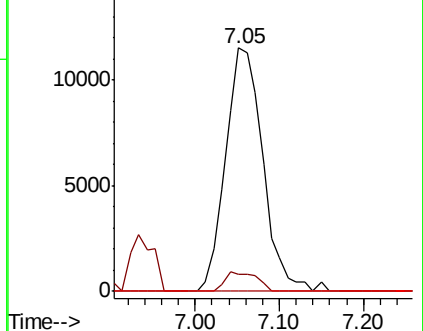
77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.329 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

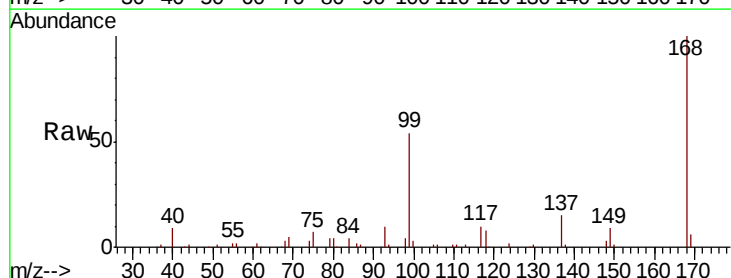
Tgt Ion: 117 Resp: 47173

Ion Ratio Lower Upper

117 100

119 4.8 77.8 116.8#

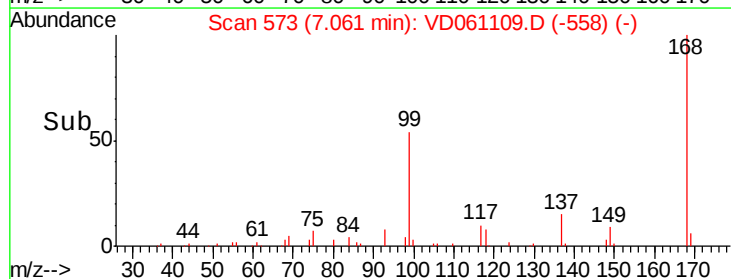
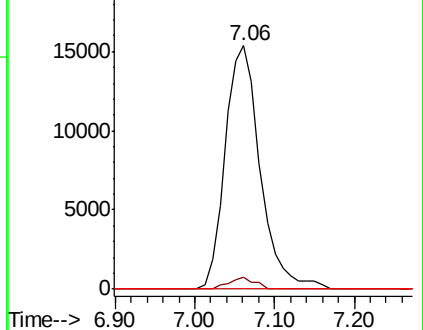
121 0.0 25.3 37.9#

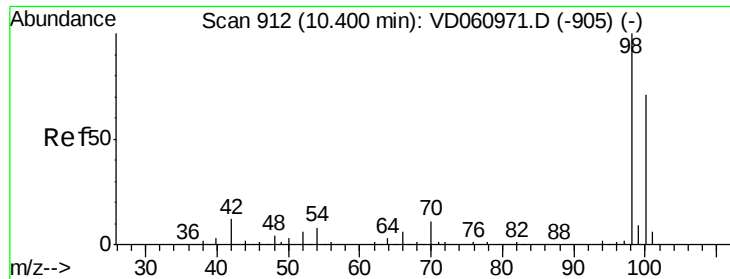


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061109.D

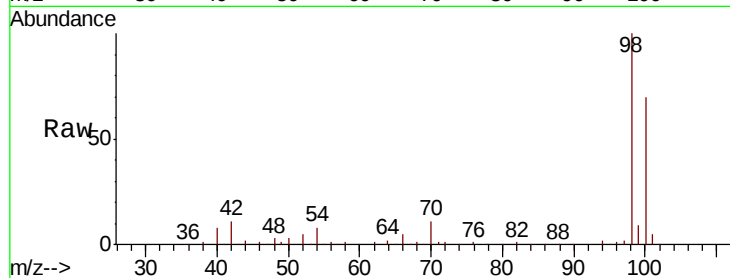
Acq: 16 Mar 2019 15:09

Tgt Ion: 98 Resp: 682096

Ion Ratio Lower Upper

98 100

100 69.6 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.42

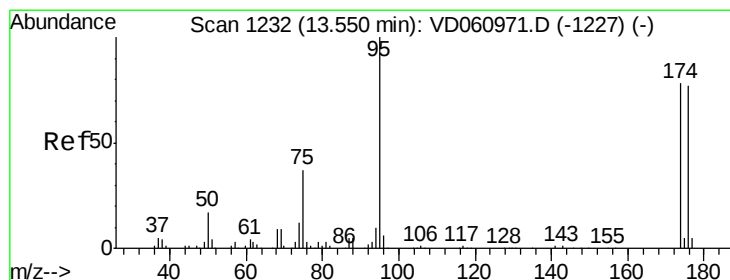
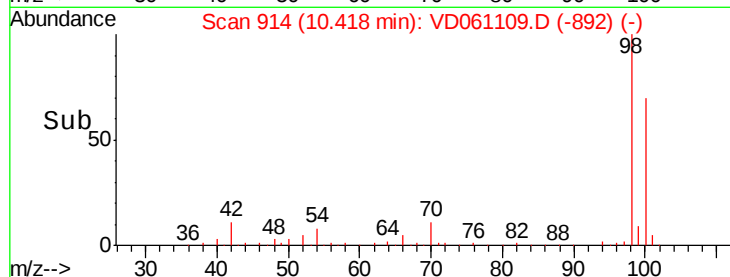
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

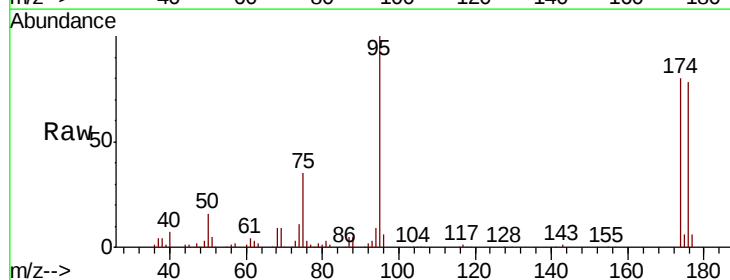
Tgt Ion: 95 Resp: 269136

Ion Ratio Lower Upper

95 100

174 79.5 0.0 155.6

176 78.0 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.56

250000

200000

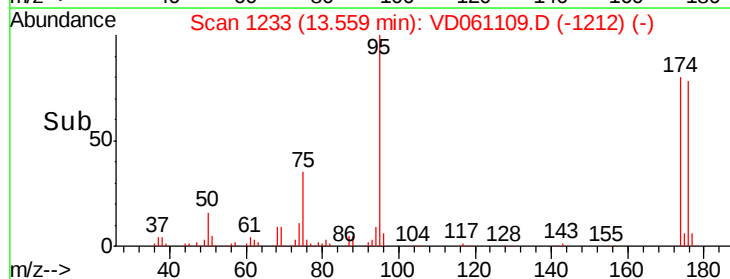
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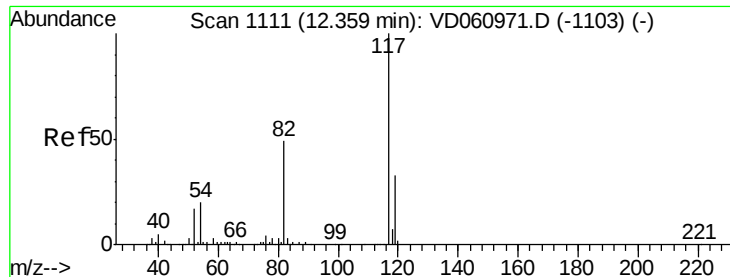
100000

50000

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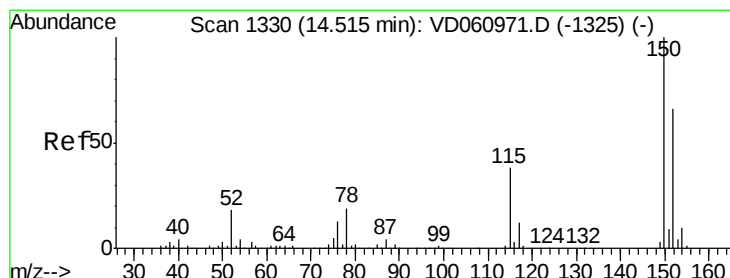
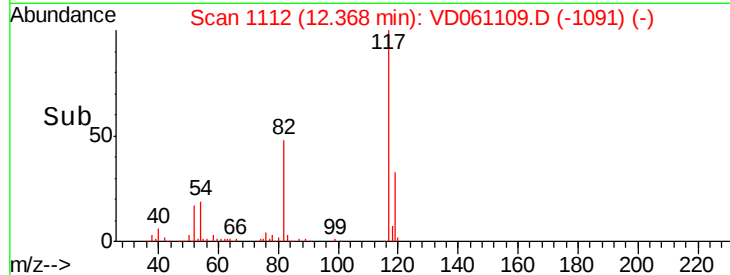
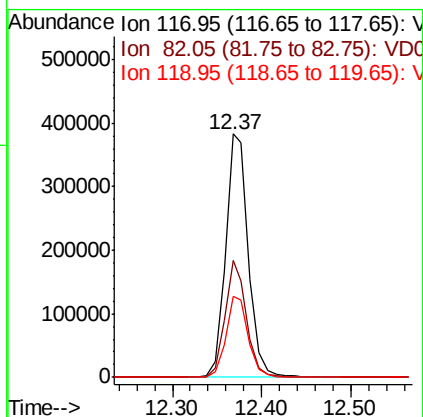
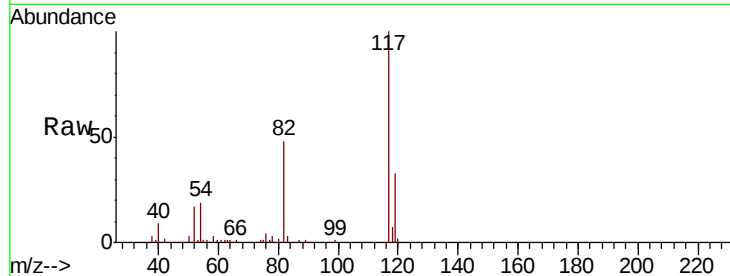
Time-->





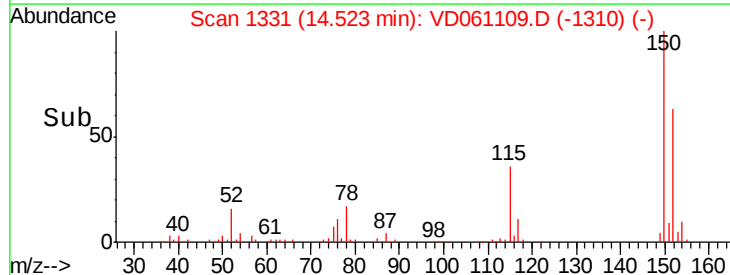
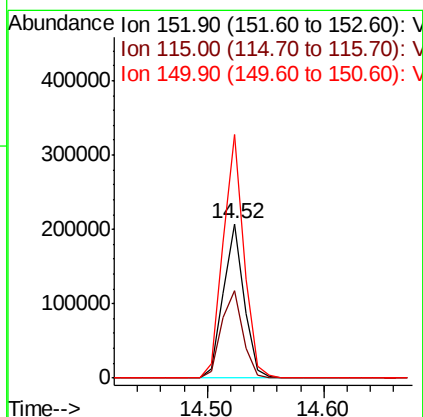
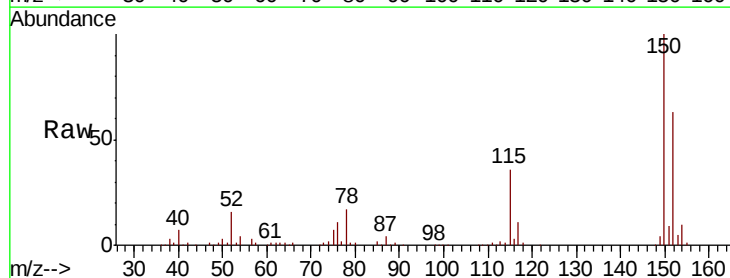
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

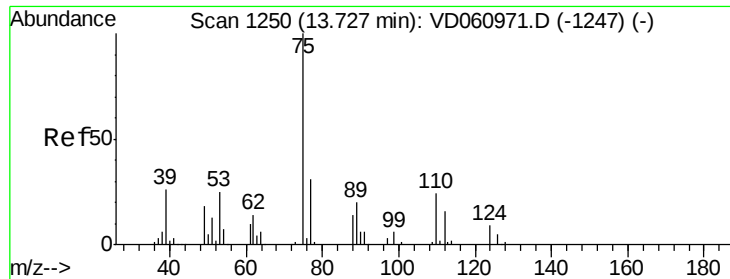
Tgt Ion:117 Resp: 686798
Ion Ratio Lower Upper
117 100
82 48.1 38.9 58.3
119 33.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061109.D
Acq: 16 Mar 2019 15:09

Tgt Ion:152 Resp: 258327
Ion Ratio Lower Upper
152 100
115 56.4 28.6 85.9
150 157.7 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 18.947 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD061109.D

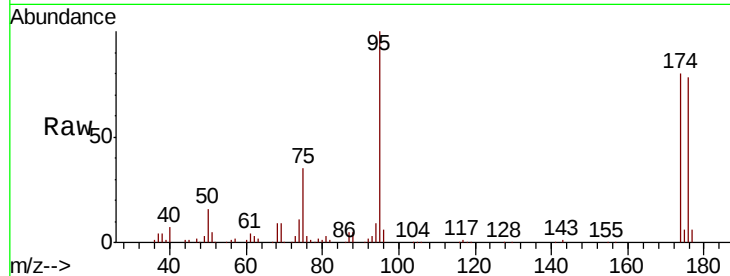
Acq: 16 Mar 2019 15:09

Tgt Ion: 75 Resp: 70416

Ion Ratio Lower Upper

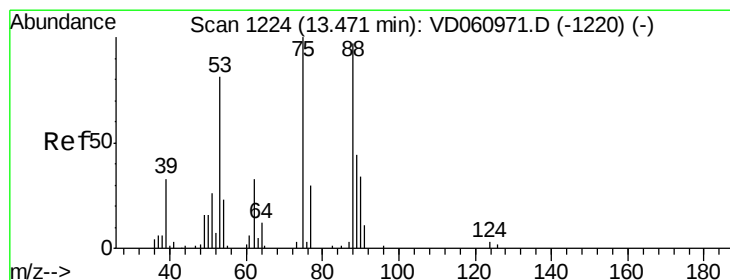
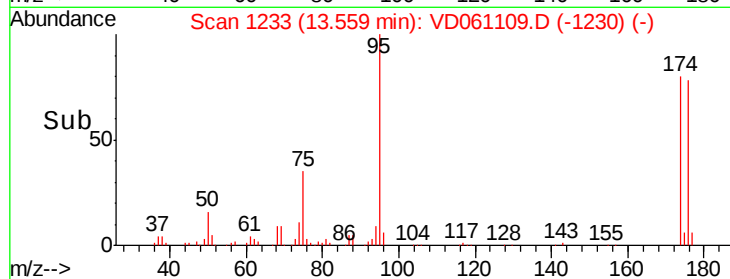
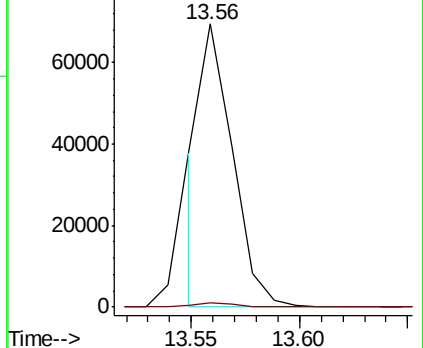
75 100

77 1.4 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 87.588 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061109.D

Acq: 16 Mar 2019 15:09

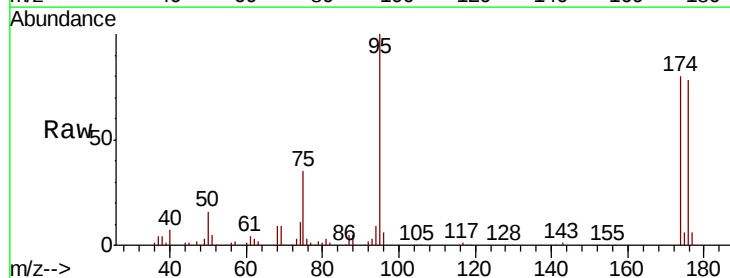
Tgt Ion: 75 Resp: 95970

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

