

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061121.D
 Acq On : 16 Mar 2019 20:40
 Operator : VA/AP
 Sample : K1685-03
 Misc : 6.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 18 02:29:25 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	7.04	168	442749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	775604	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	346494	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	174439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	182109	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	6.92	113	271595	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	10.41	98	270004	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	
62) 4-Bromofluorobenzene	13.55	95	181139	32.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.60%	

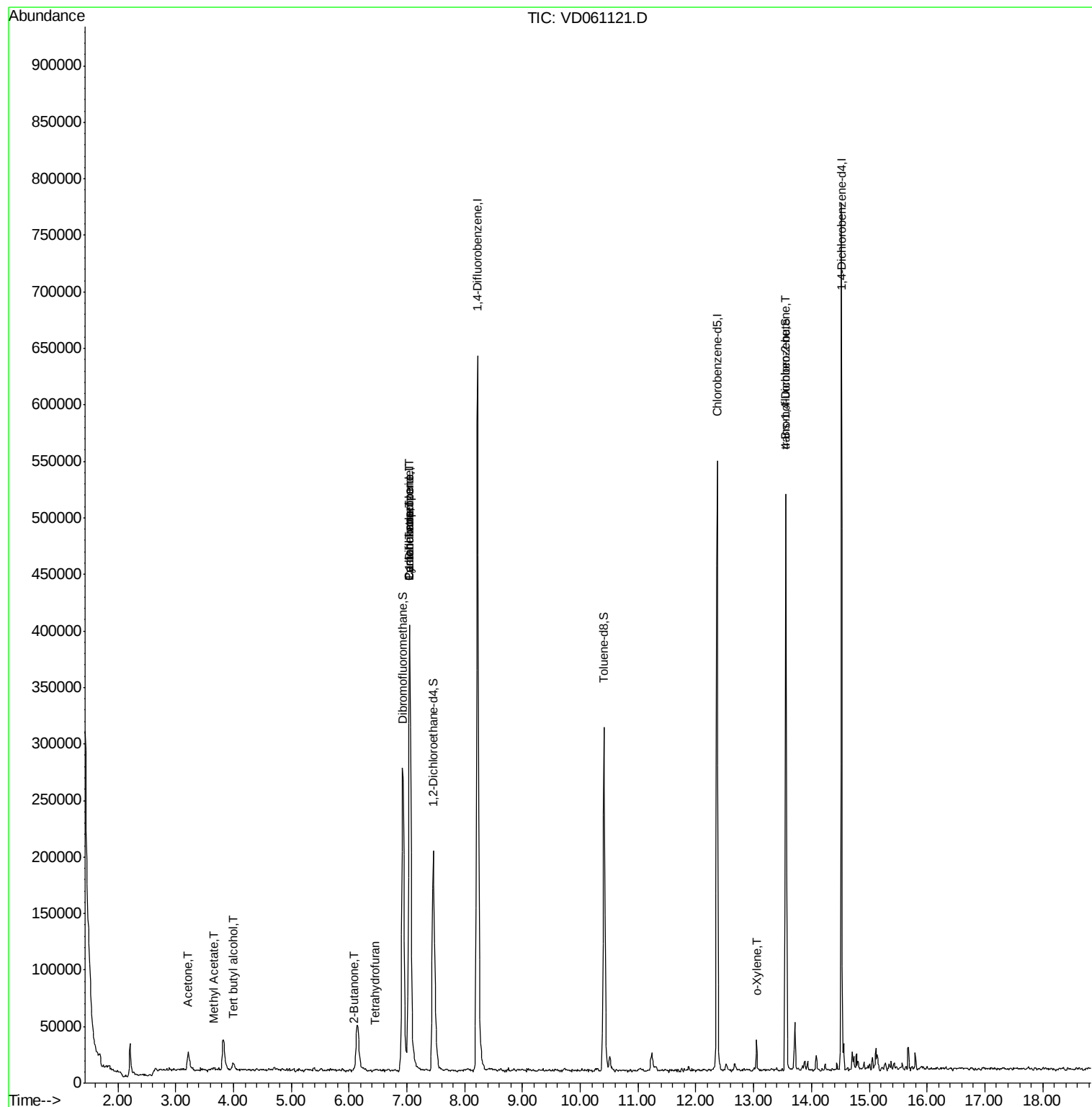
Target Compounds

					Qvalue	
11) Tert butyl alcohol	3.99	59	5851	24.938	ug/l #	75
16) Acetone	3.21	43	32733	31.060	ug/l	95
18) Methyl Acetate	3.66	43	3933	1.896	ug/l #	59
20) Methylene Chloride	3.81	84	22346	Below Cal		91
25) 2-Butanone	6.08	43	2357	1.971	ug/l #	55
29) Tetrahydrofuran	6.46	42	1029	1.585	ug/l #	33
31) Cyclohexane	7.04	56	6701	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	33175	4.962	ug/l #	46
38) Carbon Tetrachloride	7.04	117	43666	5.929	ug/l #	14
69) o-Xylene	13.05	106	7154	1.834	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.55	75	67277	90.929	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061121.D

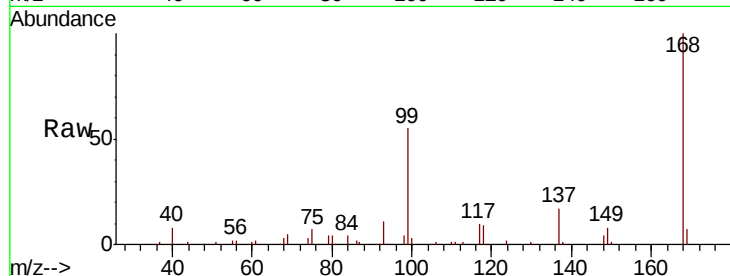
Acq: 16 Mar 2019 20:40

Tgt Ion: 168 Resp: 442749

Ion Ratio Lower Upper

168 100

99 55.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

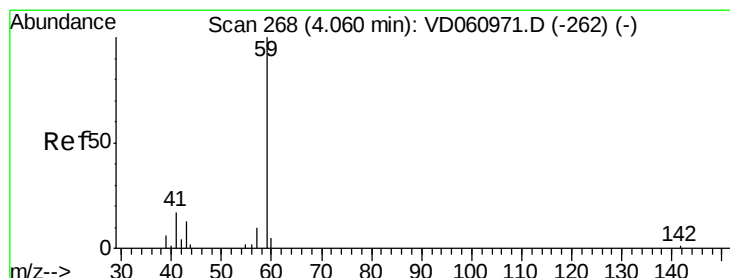
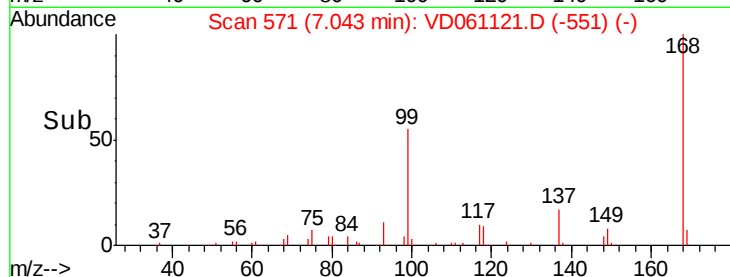
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 24.938 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.07 min

Lab File: VD061121.D

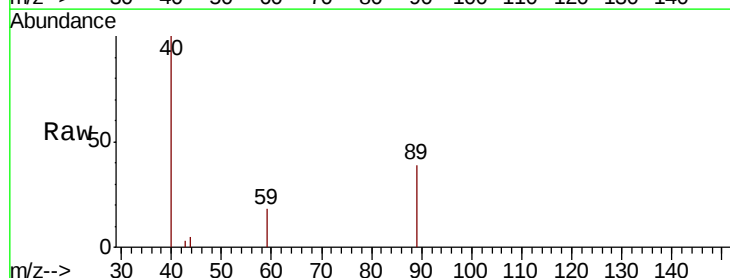
Acq: 16 Mar 2019 20:40

Tgt Ion: 59 Resp: 5851

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

3.99

2000

1500

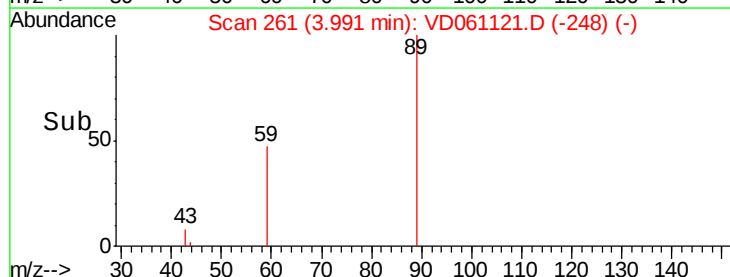
1000

500

0

Time-->

3.90 3.95 4.00 4.05 4.10





#16

Acetone

Concen: 31.060 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061121.D

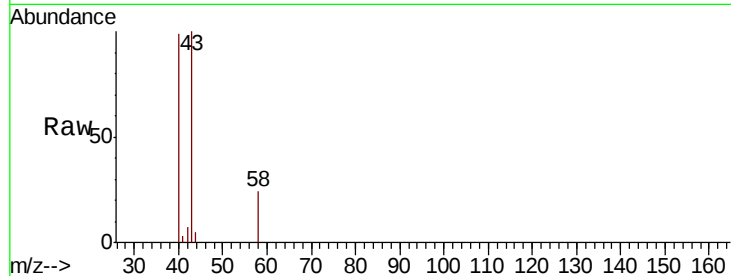
Acq: 16 Mar 2019 20:40

Tgt Ion: 43 Resp: 32733

Ion Ratio Lower Upper

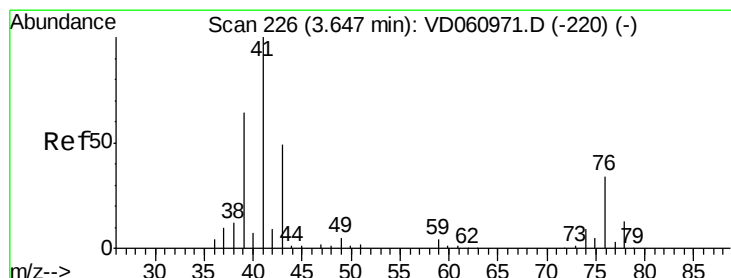
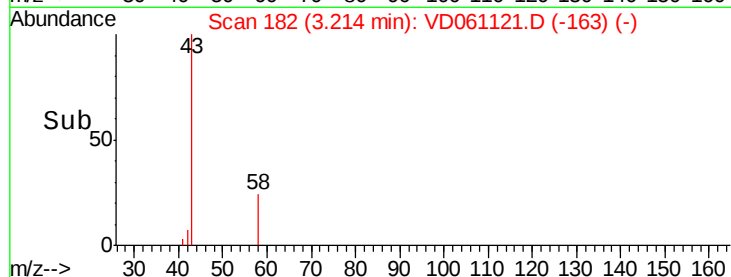
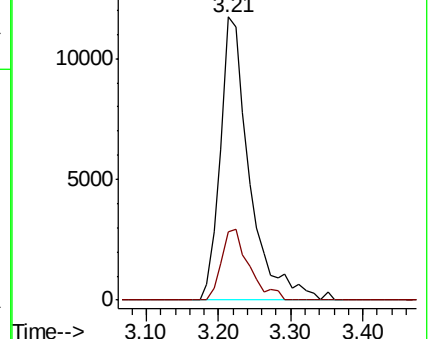
43 100

58 24.2 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: 1.896 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061121.D

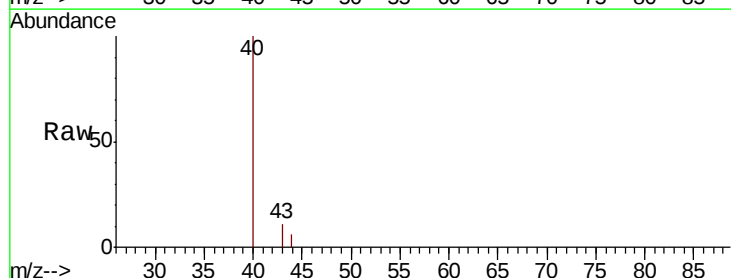
Acq: 16 Mar 2019 20:40

Tgt Ion: 43 Resp: 3933

Ion Ratio Lower Upper

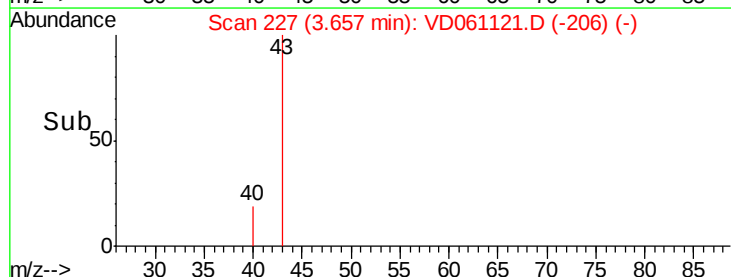
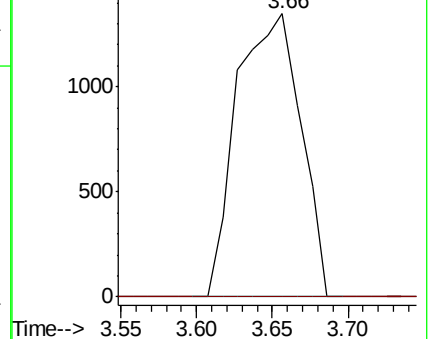
43 100

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





#25

2-Butanone

Concen: 1.971 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061121.D

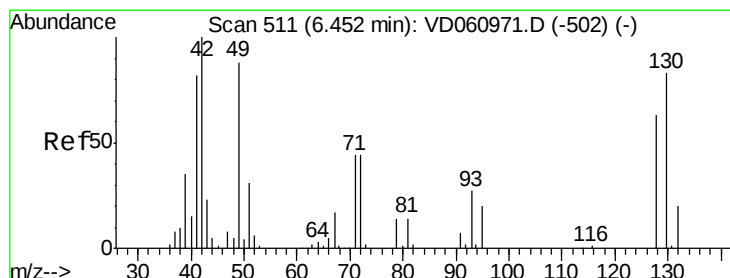
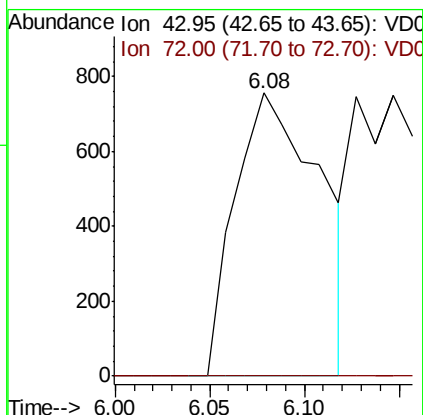
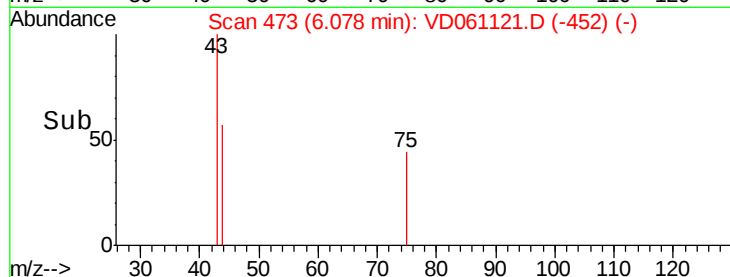
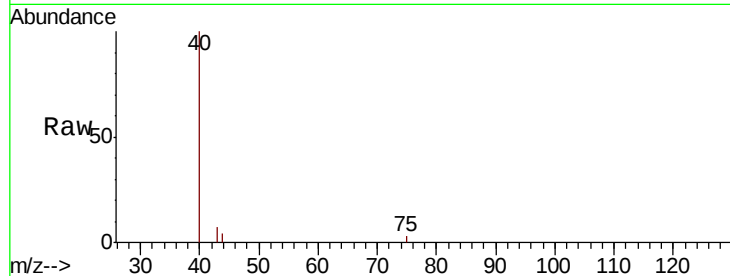
Acq: 16 Mar 2019 20:40

Tgt Ion: 43 Resp: 2357

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



#29

Tetrahydrofuran

Concen: 1.585 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061121.D

Acq: 16 Mar 2019 20:40

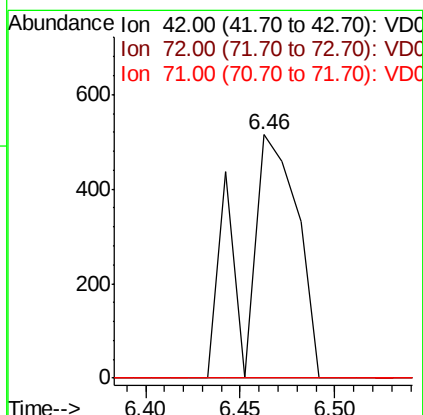
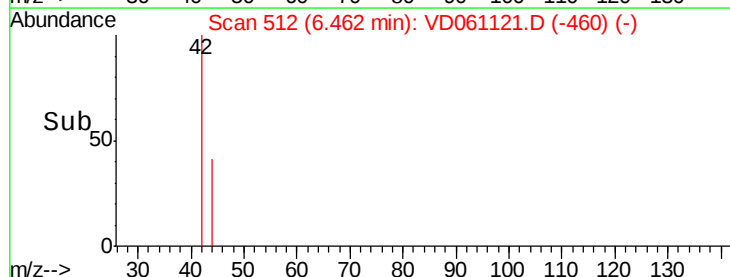
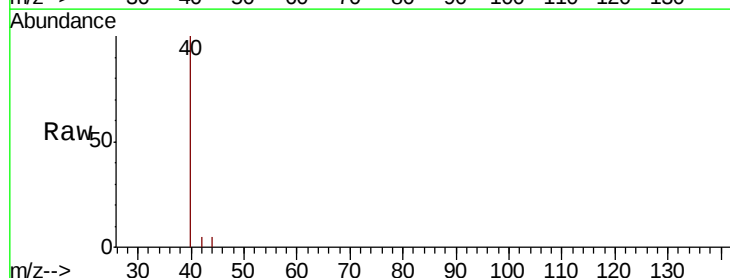
Tgt Ion: 42 Resp: 1029

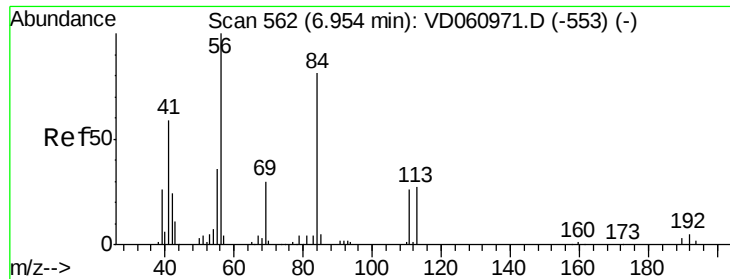
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

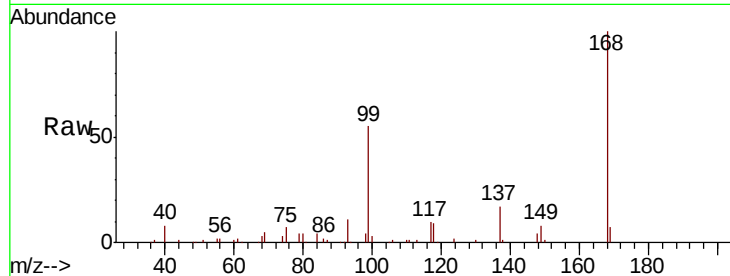
71 0.0 33.8 50.6#



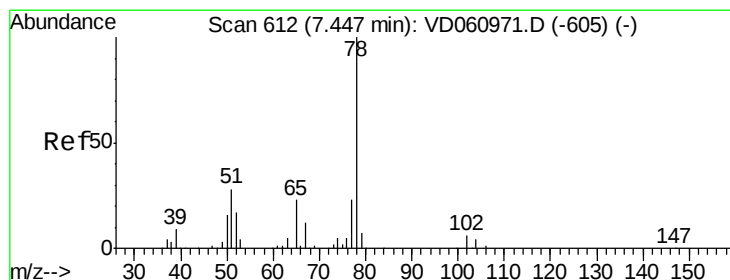
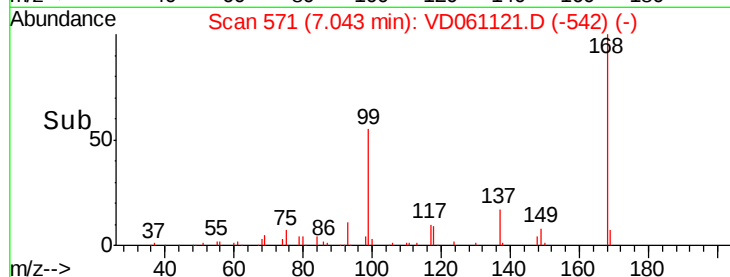
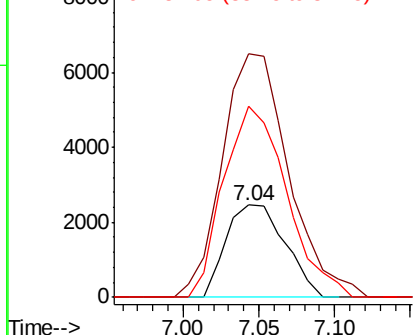


#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 56 Resp: 6701
Ion Ratio Lower Upper
56 100
69 264.5 24.0 36.0#
84 207.1 65.8 98.6#

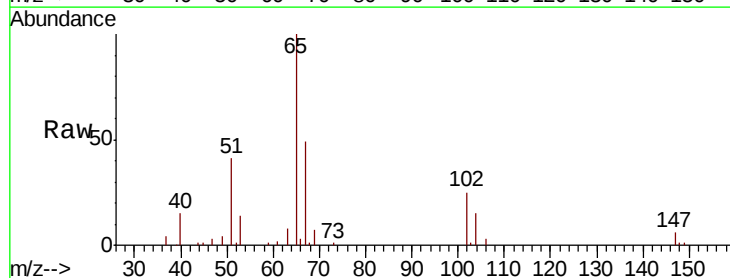


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

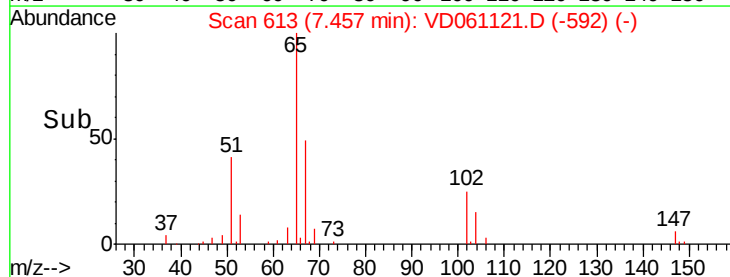
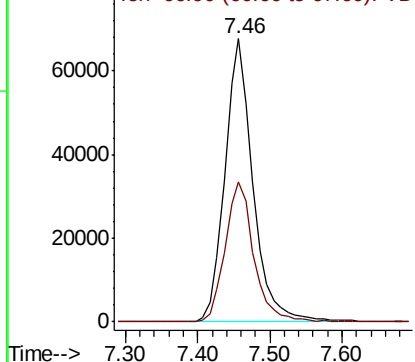


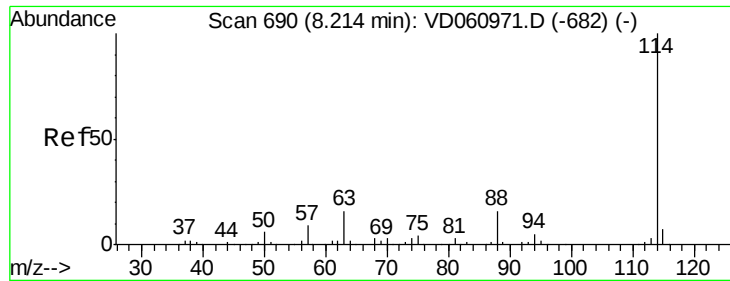
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 65 Resp: 182109
Ion Ratio Lower Upper
65 100
67 49.4 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: VD061121.D

Acq: 16 Mar 2019 20:40

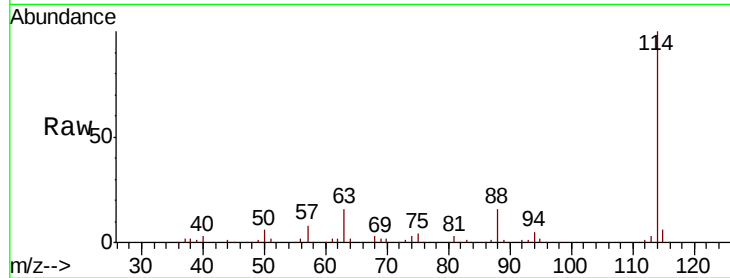
Tgt Ion:114 Resp: 775604

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

88 16.3 0.0 33.0

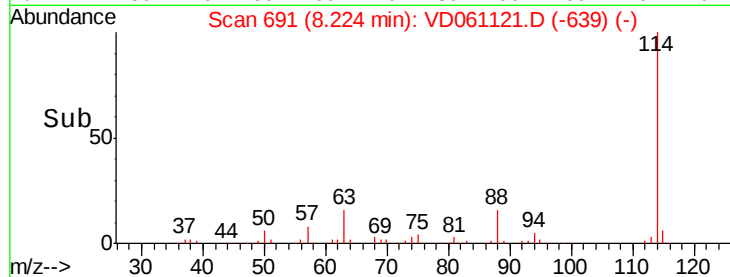


Abundance Ion 114.00 (113.70 to 114.70): V

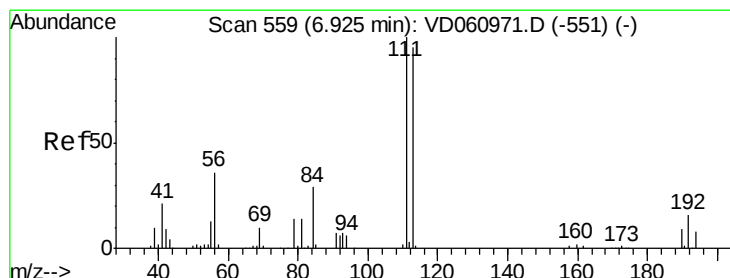
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.22



Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061121.D

Acq: 16 Mar 2019 20:40

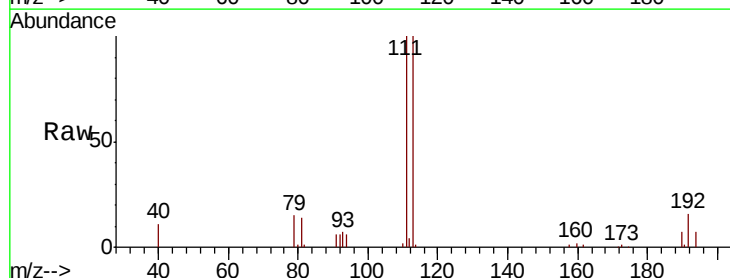
Tgt Ion:113 Resp: 271595

Ion Ratio Lower Upper

113 100

111 100.1 84.2 126.4

192 16.0 13.1 19.7

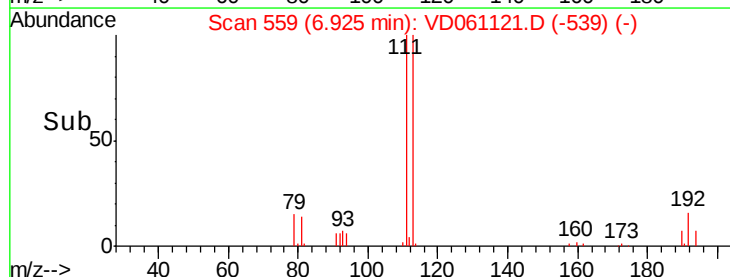


Abundance Ion 112.90 (112.60 to 113.60): V

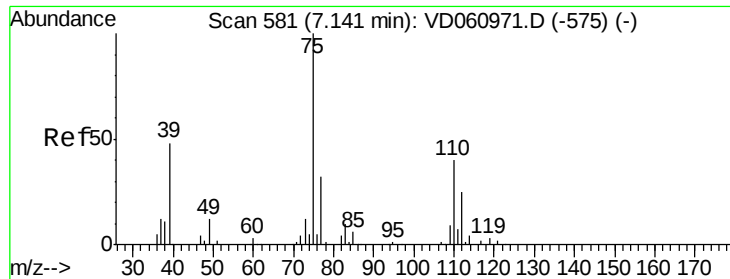
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.92

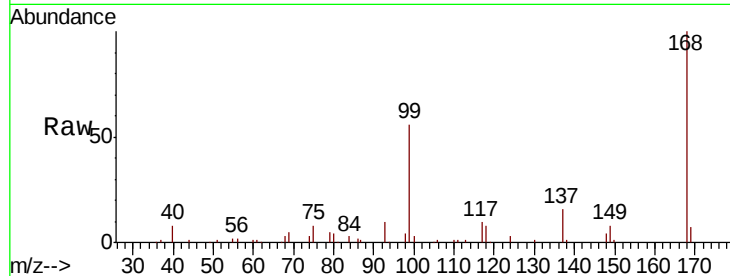


Time-->

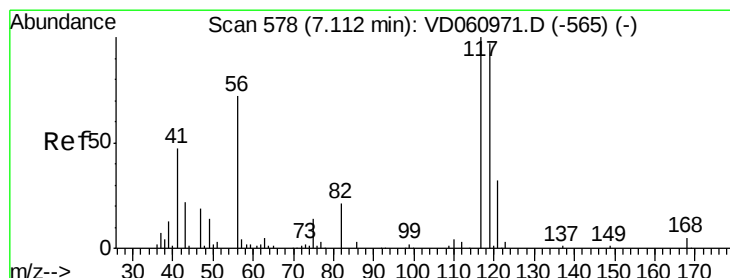
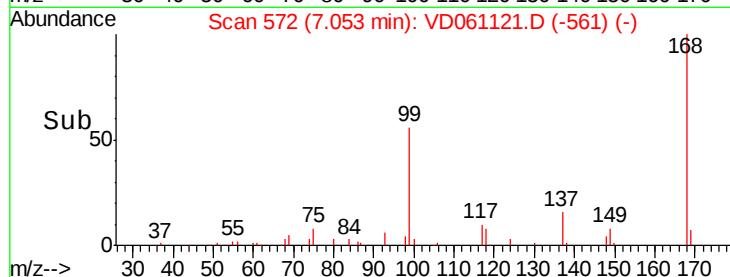
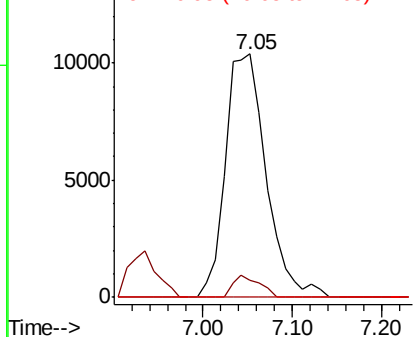


#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061121.D
 Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	19.7	59.1#
77	0.0	24.7	37.1#

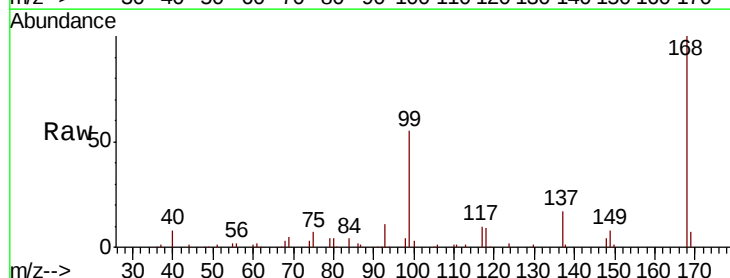


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

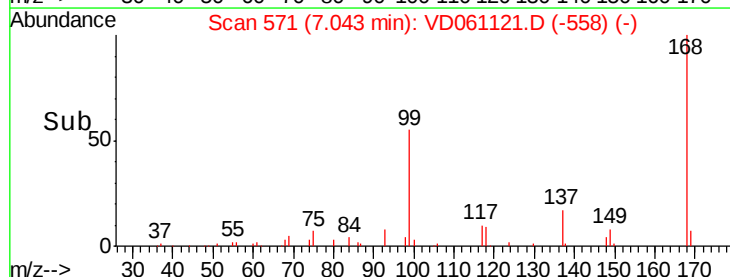
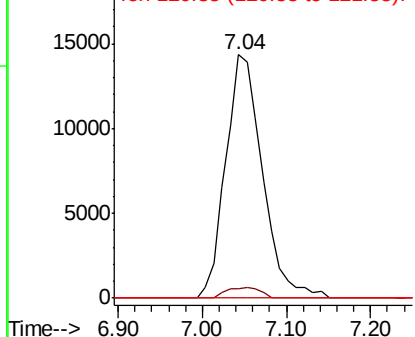


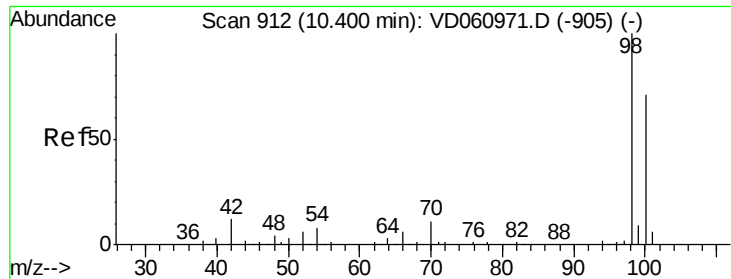
#38
 Carbon Tetrachloride
 Concen: 5.929 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061121.D
 Acq: 16 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.8	116.8#
121	0.0	25.3	37.9#



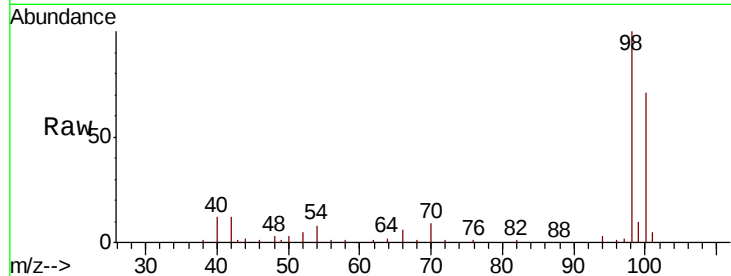
Abundance Ion 116.85 (116.55 to 117.55): V
 Ion 118.85 (118.55 to 119.55): V
 Ion 120.85 (120.55 to 121.55): V



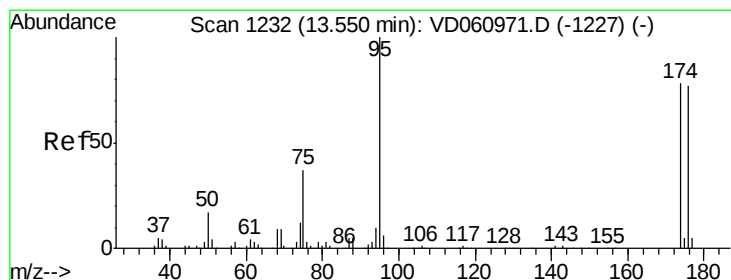
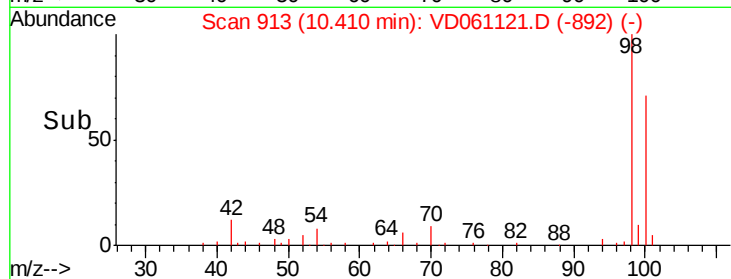
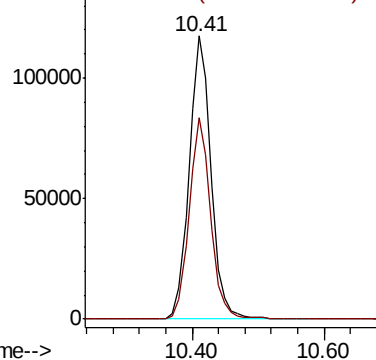


#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 98 Resp: 270004
Ion Ratio Lower Upper
98 100
100 71.4 57.4 86.2

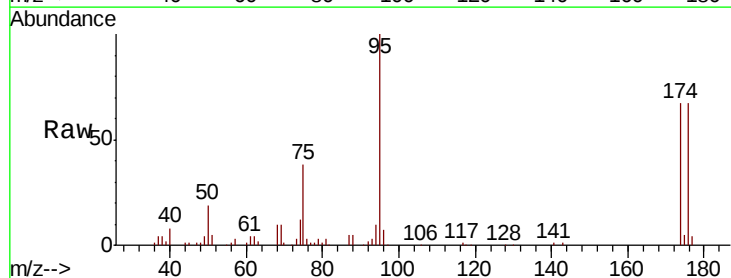


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

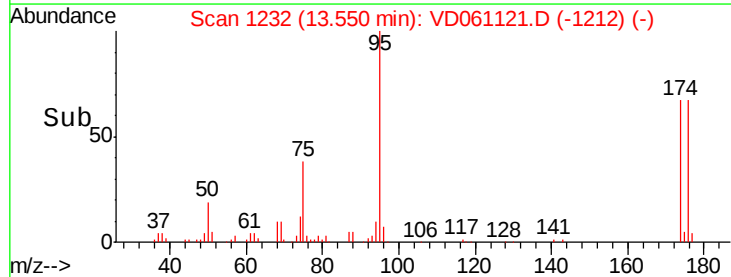
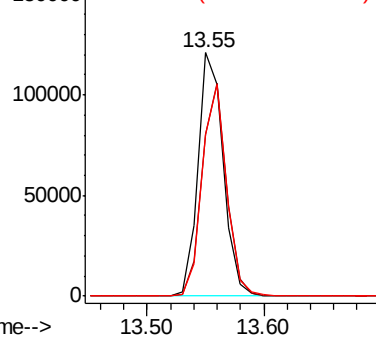


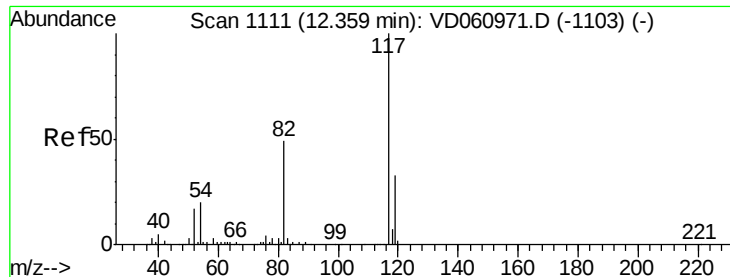
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 95 Resp: 181139
Ion Ratio Lower Upper
95 100
174 66.6 0.0 155.6
176 66.7 0.0 153.8



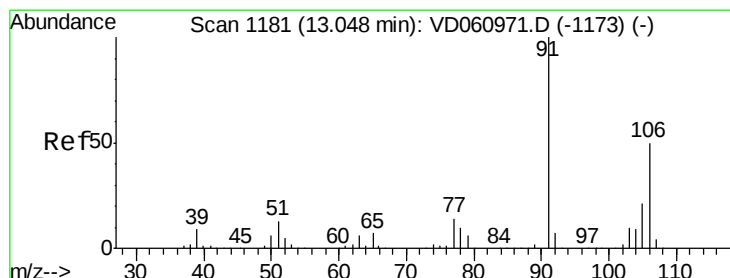
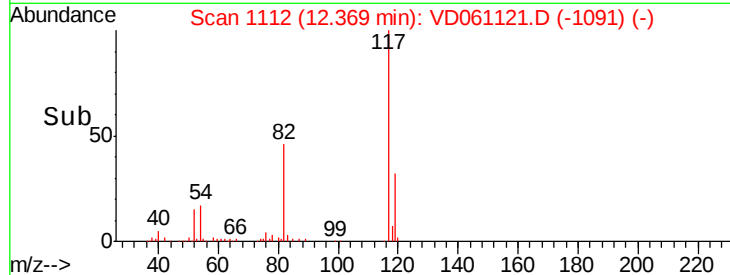
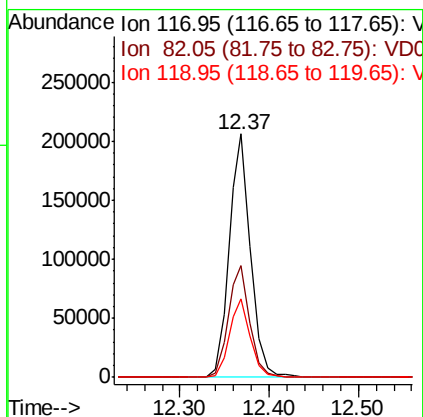
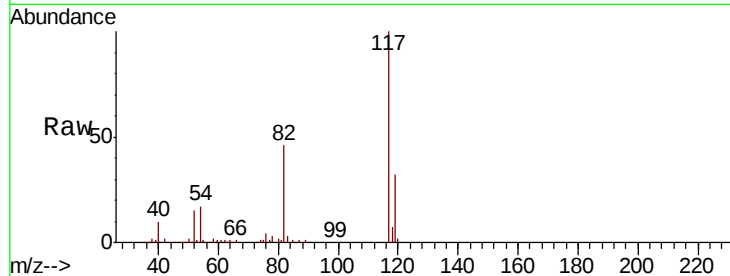
Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)





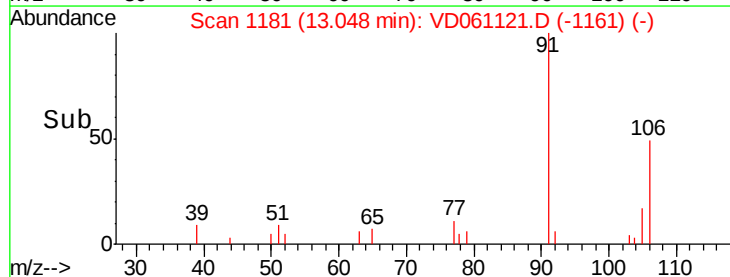
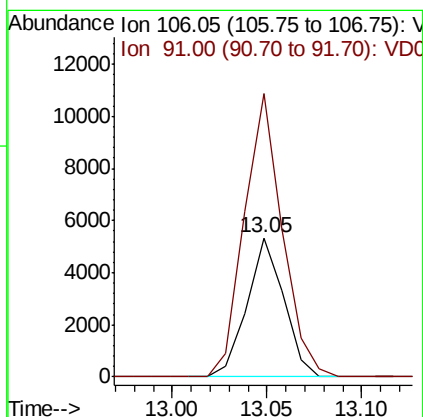
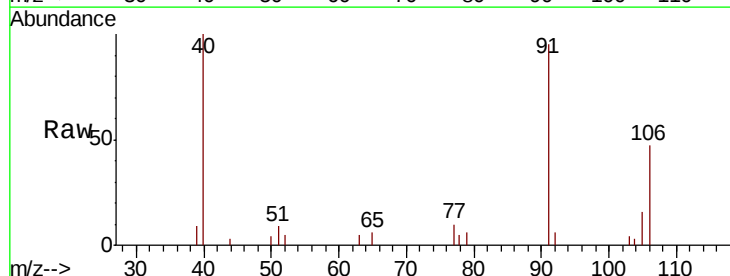
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

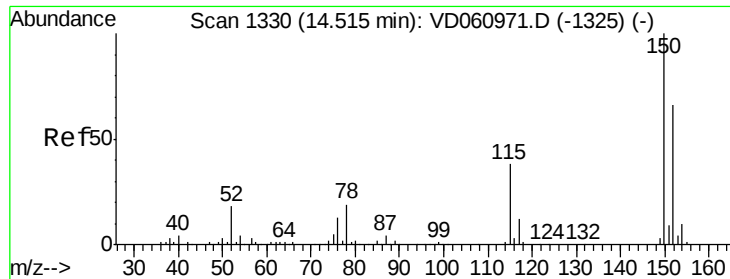
Tgt Ion:117 Resp: 346494
Ion Ratio Lower Upper
117 100
82 45.7 38.9 58.3
119 32.2 26.6 39.8



#69
o-Xylene
Concen: 1.834 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion:106 Resp: 7154
Ion Ratio Lower Upper
106 100
91 203.5 99.8 299.3

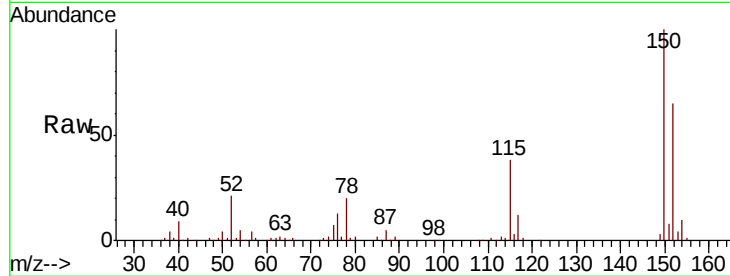




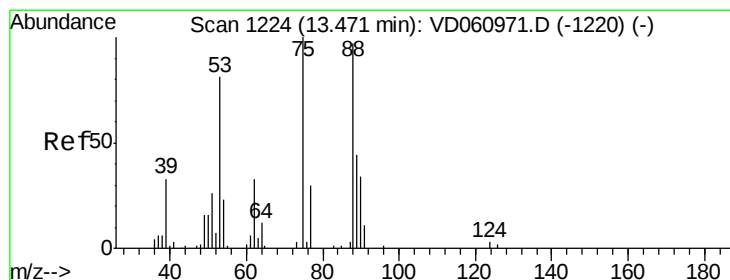
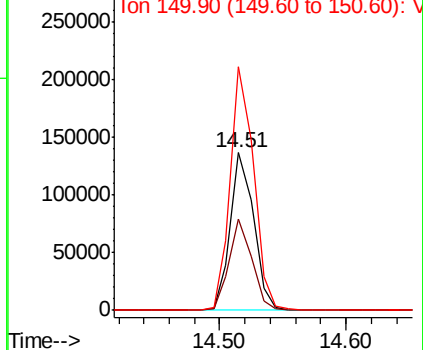
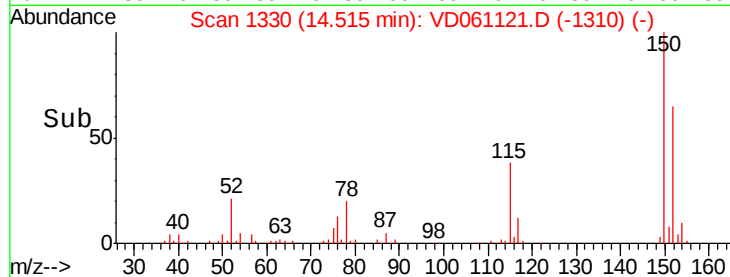
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 152 Resp: 174439
Ion Ratio Lower Upper
152 100
115 58.5 28.6 85.9
150 154.9 0.0 310.6



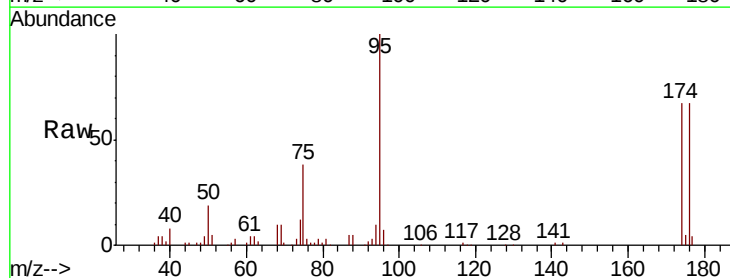
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 90.929 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061121.D
Acq: 16 Mar 2019 20:40

Tgt Ion: 75 Resp: 67277
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

