

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061133.D
 Acq On : 17 Mar 2019 4:01
 Operator : VA/AP
 Sample : K1691-13
 Misc : 6.63g/5ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 18 05:02:31 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	467801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	861424	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	615021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	201194	50.00	ug/l	0.00

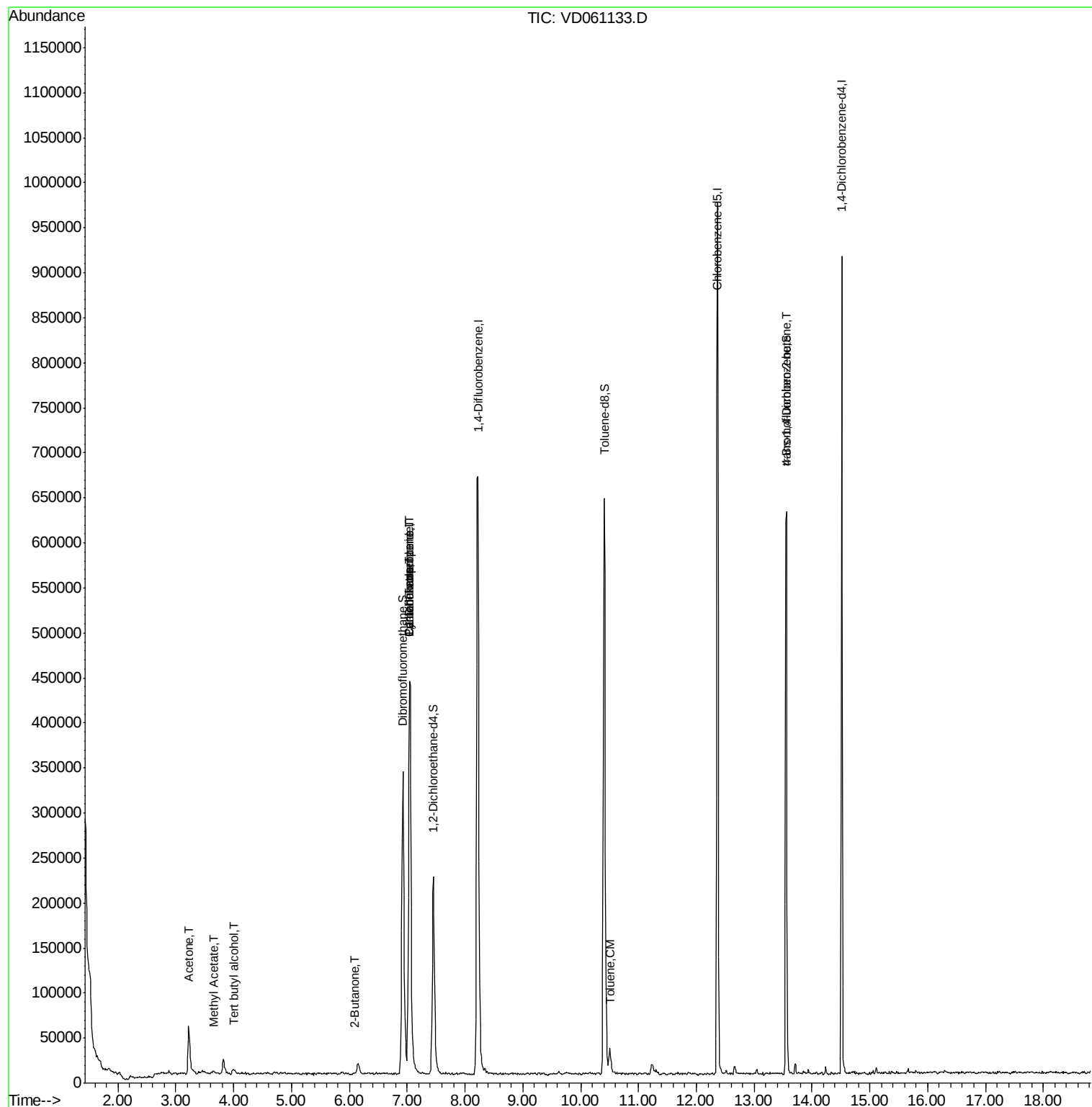
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	220643	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
35) Dibromofluoromethane	6.92	113	321083	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.41	98	628919	39.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.36%	
62) 4-Bromofluorobenzene	13.55	95	222179	35.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	5890	23.760	ug/l #	75
16) Acetone	3.22	43	95377	85.655	ug/l	99
18) Methyl Acetate	3.65	43	7493	3.419	ug/l	94
20) Methylene Chloride	3.82	84	11326	Below Cal		90
25) 2-Butanone	6.09	43	1291	1.022	ug/l #	55
31) Cyclohexane	7.04	56	7557	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	35141	4.733	ug/l #	47
38) Carbon Tetrachloride	7.05	117	46080	5.634	ug/l #	16
52) Toluene	10.51	92	15067	1.306	ug/l	85
81) trans-1,4-Dichloro-2-buten	13.55	75	83177	97.469	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061133.D

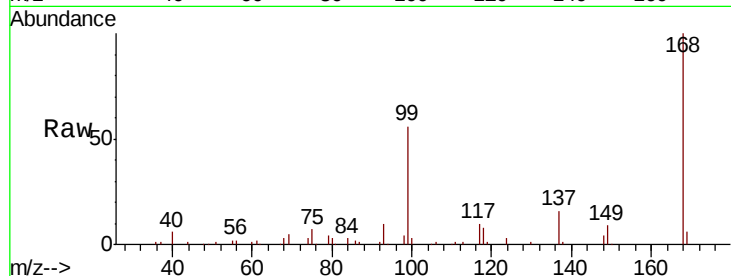
Acq: 17 Mar 2019 4:01

Tgt Ion: 168 Resp: 467801

Ion Ratio Lower Upper

168 100

99 55.8 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

150000

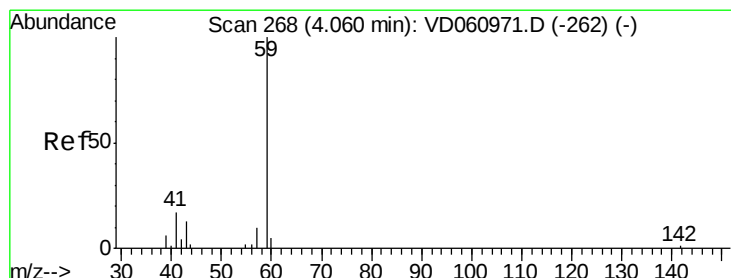
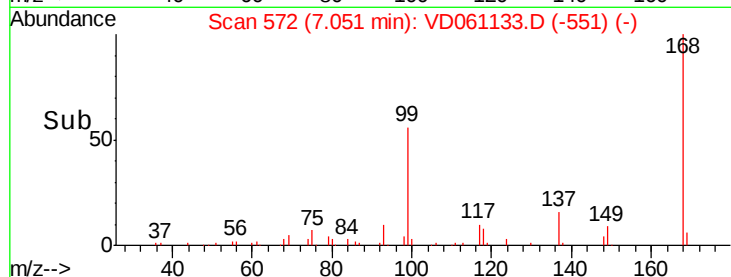
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 23.760 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.05 min

Lab File: VD061133.D

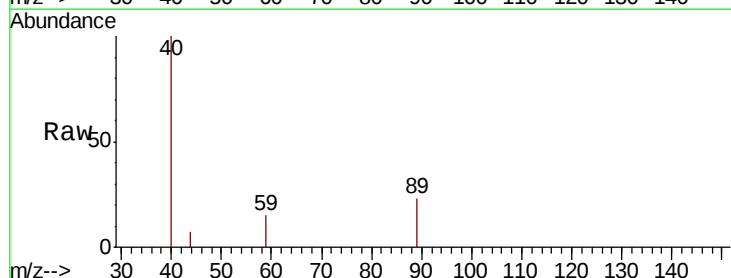
Acq: 17 Mar 2019 4:01

Tgt Ion: 59 Resp: 5890

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

4.01

1500

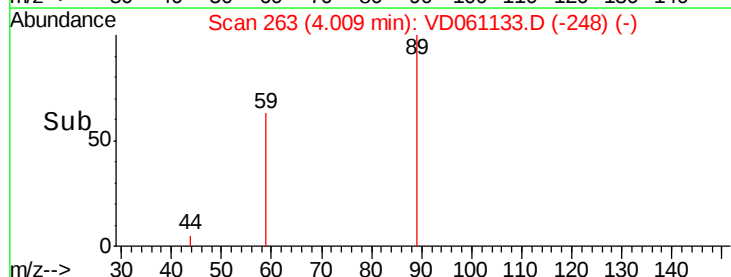
1000

500

0

Time-->

3.90 4.00 4.10





#16

Acetone

Concen: 85.655 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061133.D

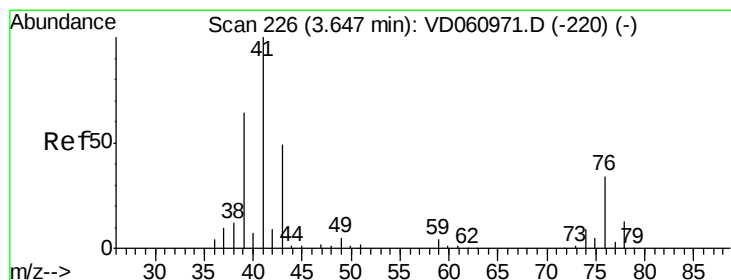
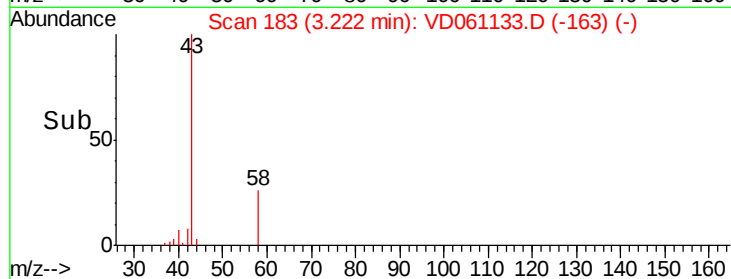
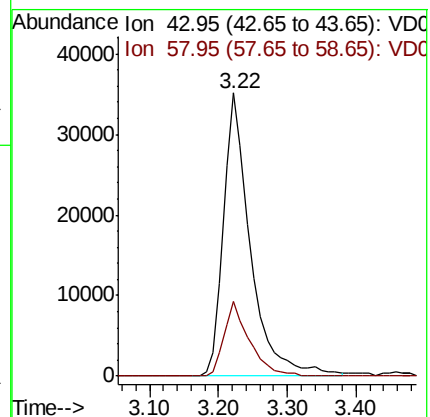
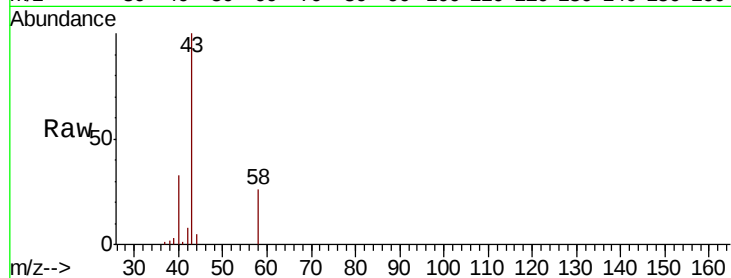
Acq: 17 Mar 2019 4:01

Tgt Ion: 43 Resp: 95377

Ion Ratio Lower Upper

43 100

58 26.5 21.6 32.4



#18

Methyl Acetate

Concen: 3.419 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061133.D

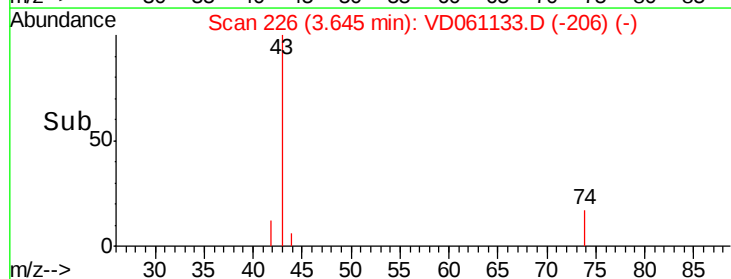
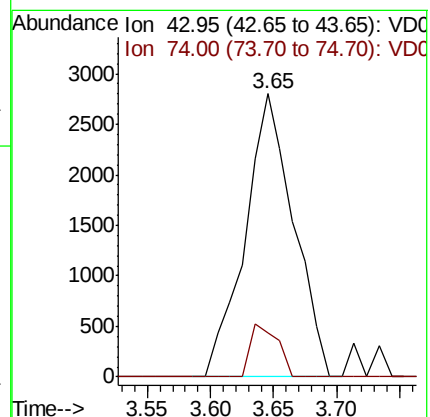
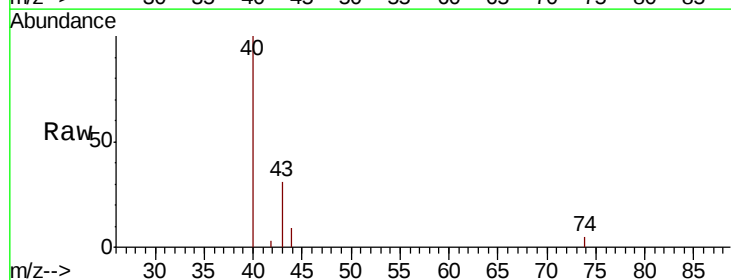
Acq: 17 Mar 2019 4:01

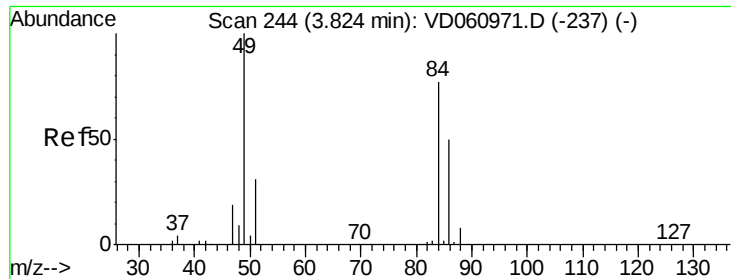
Tgt Ion: 43 Resp: 7493

Ion Ratio Lower Upper

43 100

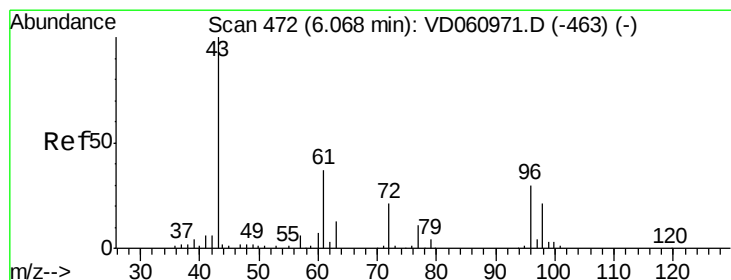
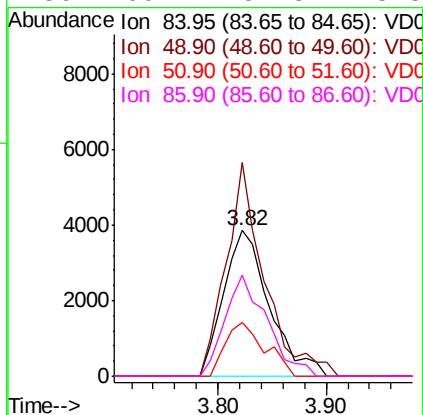
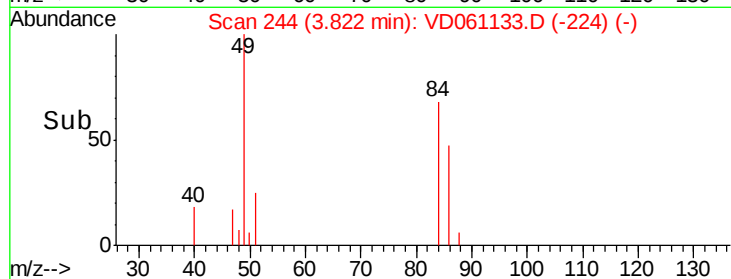
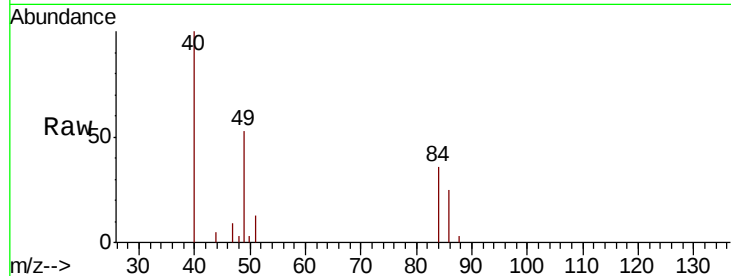
74 15.3 14.6 21.8





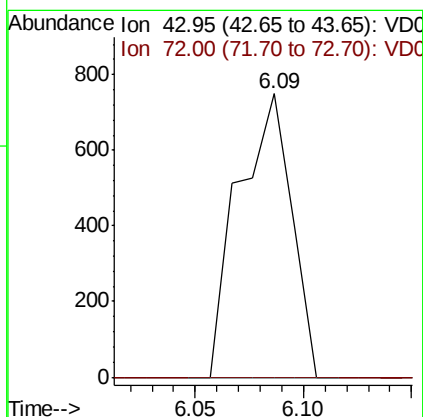
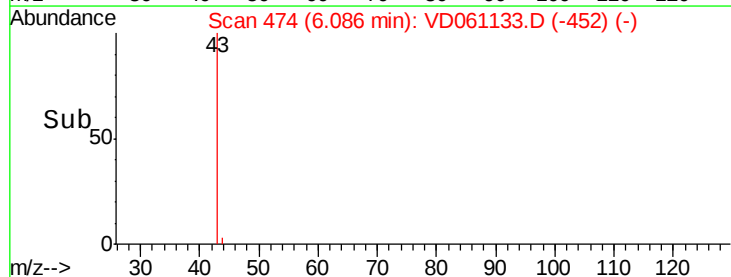
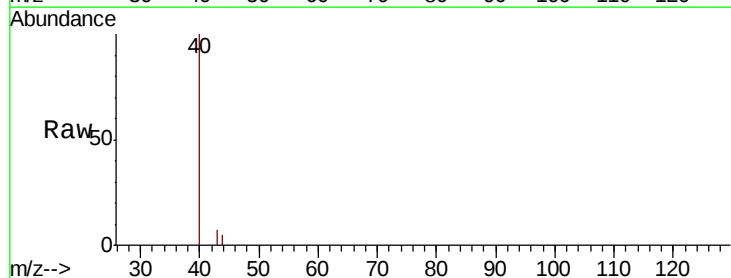
#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

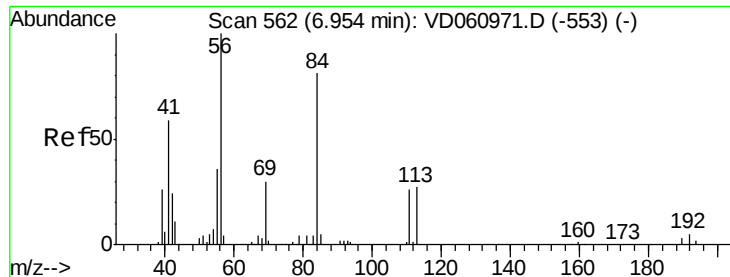
Tgt Ion: 84 Resp: 11326
Ion Ratio Lower Upper
84 100
49 147.0 104.2 156.2
51 37.1 32.3 48.5
86 69.4 52.3 78.5



#25
2-Butanone
Concen: 1.022 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.02 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

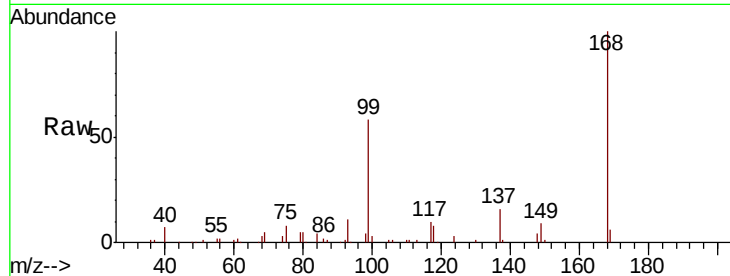
Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



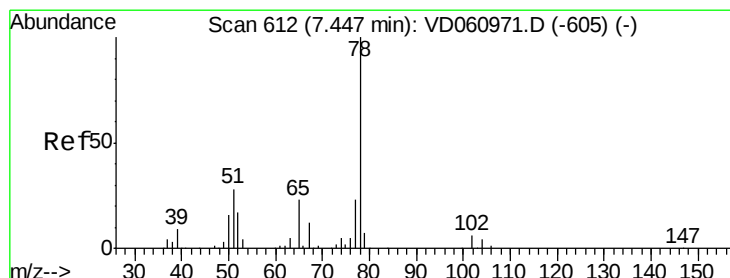
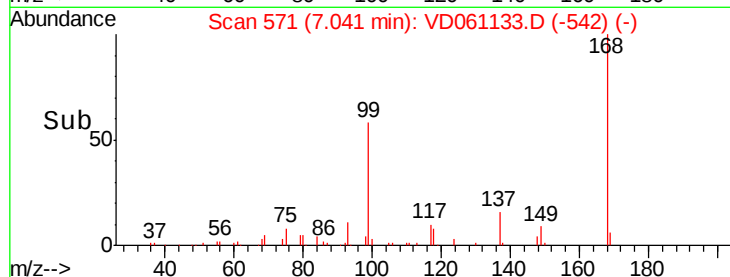
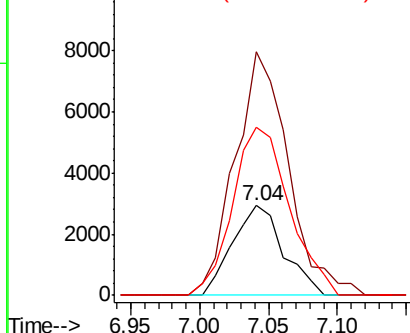


#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

Tgt Ion: 56 Resp: 7557
Ion Ratio Lower Upper
56 100
69 272.0 24.0 36.0#
84 188.5 65.8 98.6#

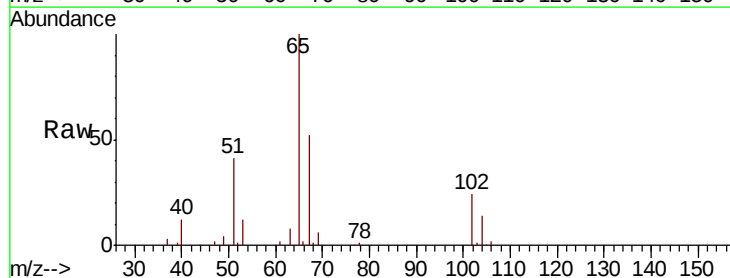


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

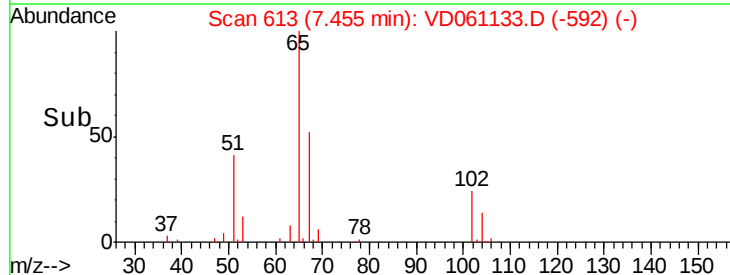
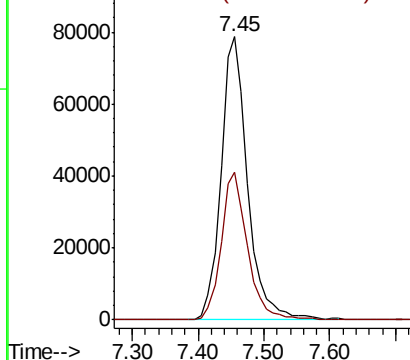


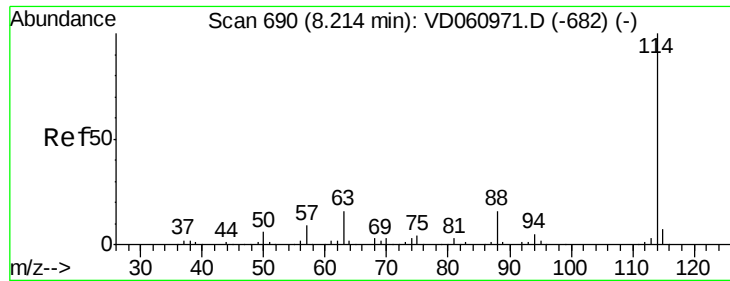
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

Tgt Ion: 65 Resp: 220643
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2



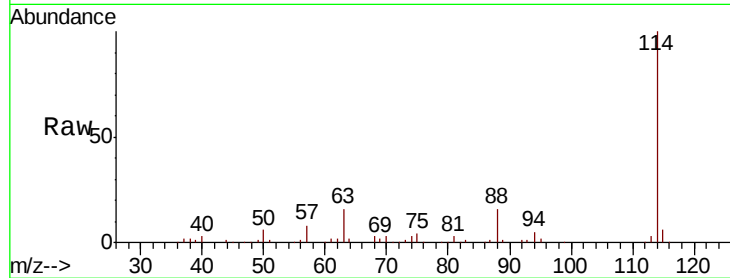
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



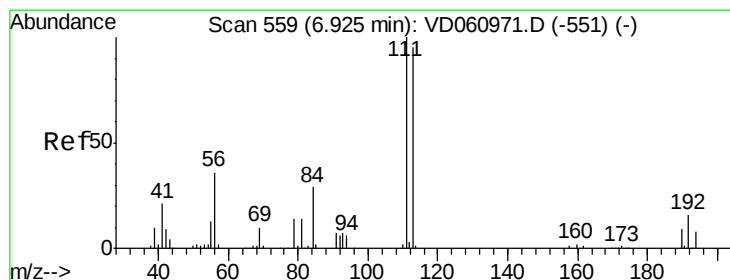
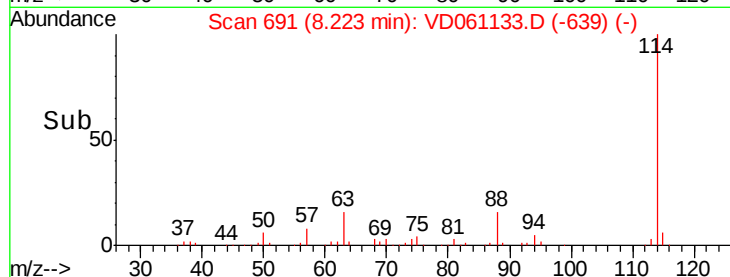
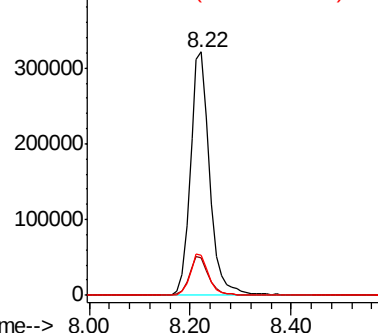


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061133.D
 Acq: 17 Mar 2019 4:01

Tgt Ion:114 Resp: 861424
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.4 0.0 33.0

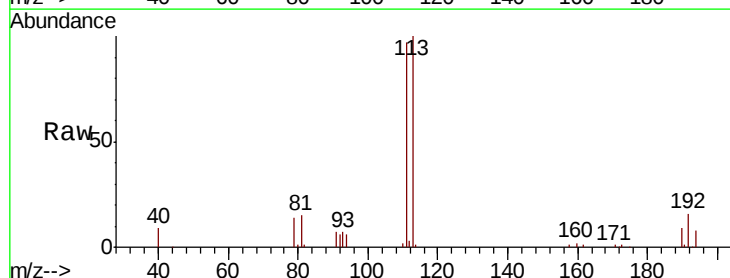


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

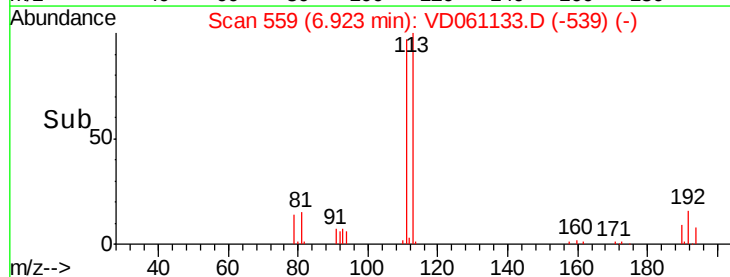
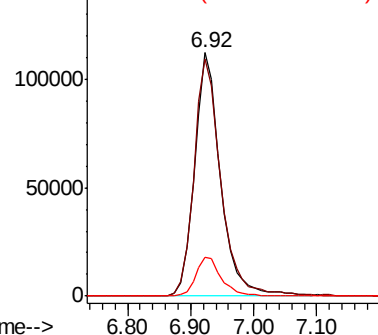


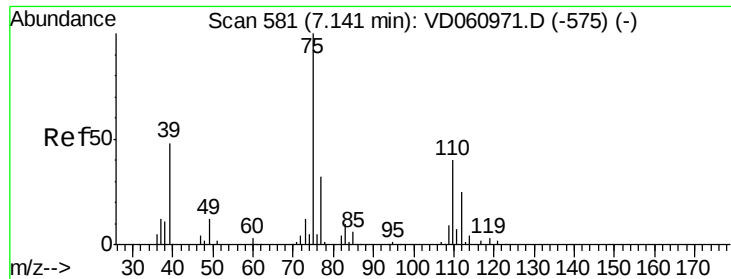
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061133.D
 Acq: 17 Mar 2019 4:01

Tgt Ion:113 Resp: 321083
 Ion Ratio Lower Upper
 113 100
 111 97.3 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





#36

1,1-Dichloropropene

Concen: 4.733 ug/l

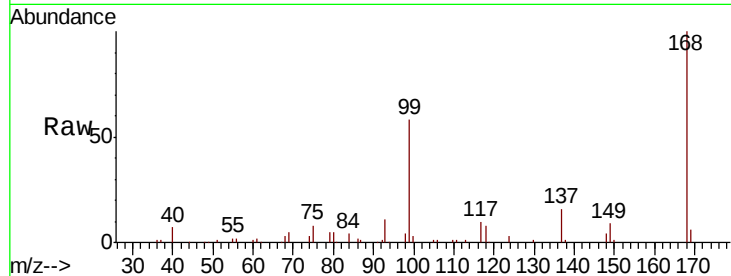
RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061133.D

Acq: 17 Mar 2019 4:01

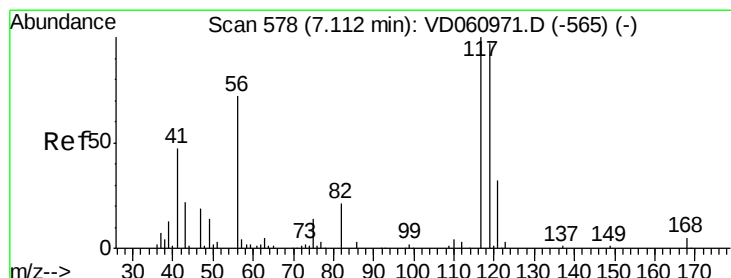
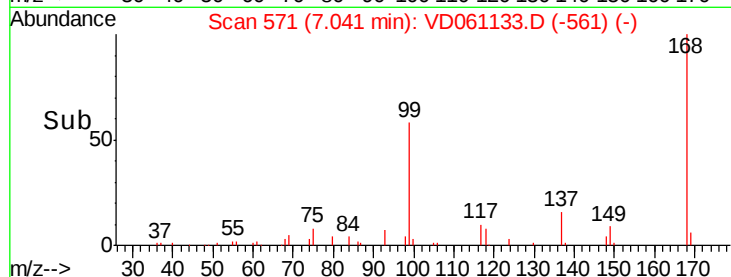
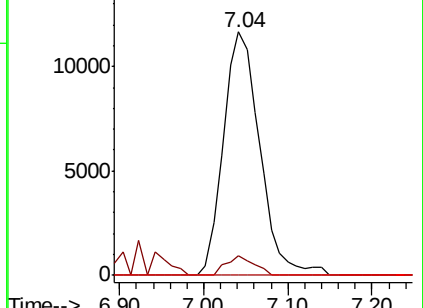
Tgt Ion:	75	Resp:	35141
Ion	Ratio	Lower	Upper
75	100		
110	8.0	19.7	59.1#
77	0.0	24.7	37.1#



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: 5.634 ug/l

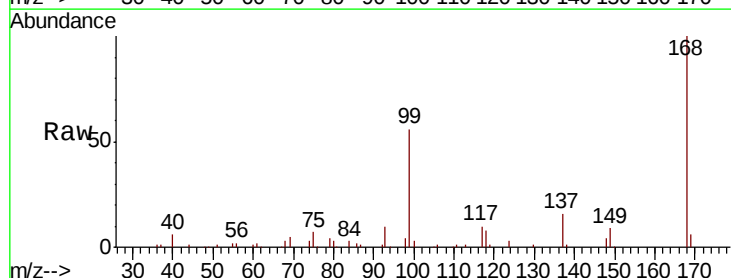
RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061133.D

Acq: 17 Mar 2019 4:01

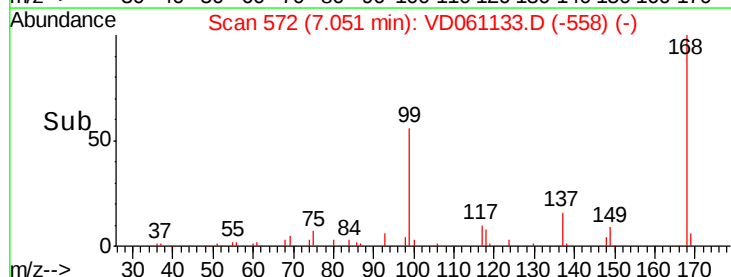
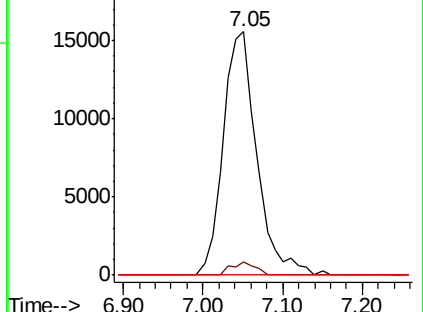
Tgt Ion:	117	Resp:	46080
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.8	116.8#
121	0.0	25.3	37.9#

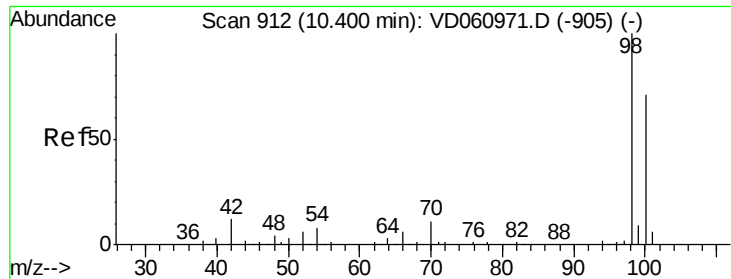


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061133.D

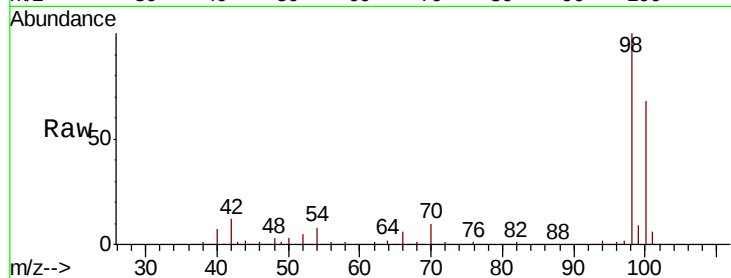
Acq: 17 Mar 2019 4:01

Tgt Ion: 98 Resp: 628919

Ion Ratio Lower Upper

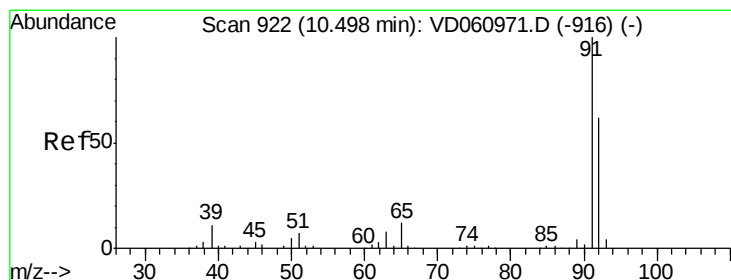
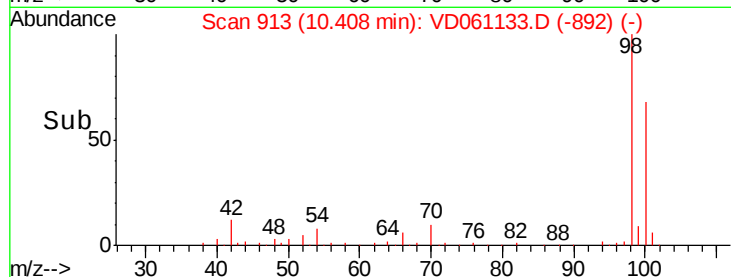
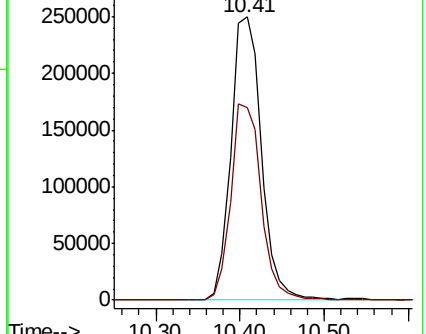
98 100

100 67.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.306 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061133.D

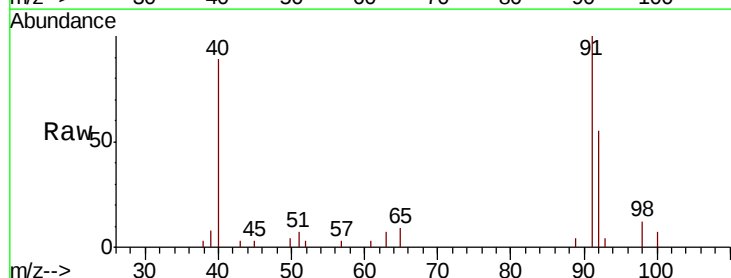
Acq: 17 Mar 2019 4:01

Tgt Ion: 92 Resp: 15067

Ion Ratio Lower Upper

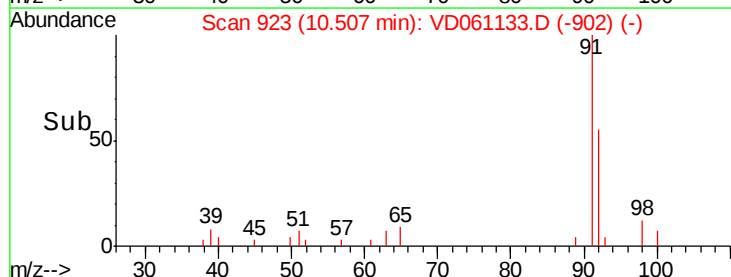
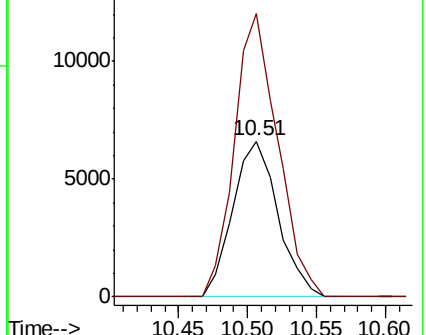
92 100

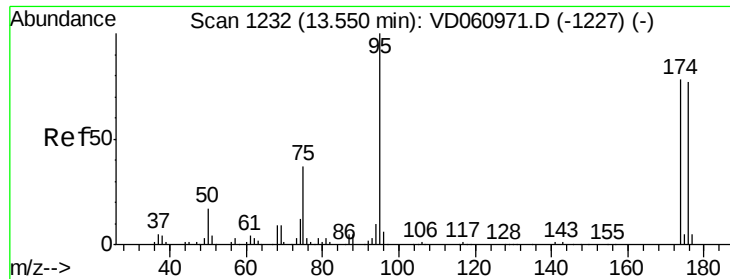
91 181.7 129.8 194.8



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: VD061133.D

Acq: 17 Mar 2019 4:01

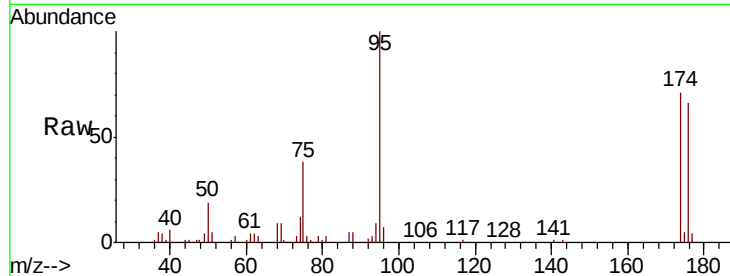
Tgt Ion: 95 Resp: 222179

Ion Ratio Lower Upper

95 100

174 71.3 0.0 155.6

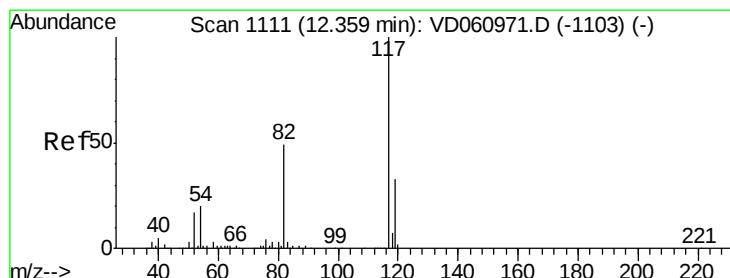
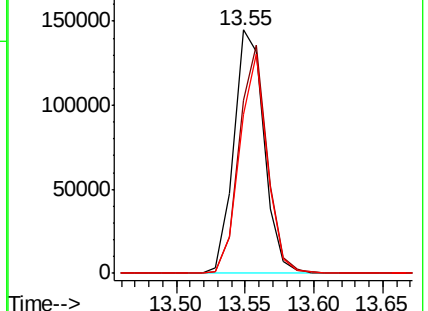
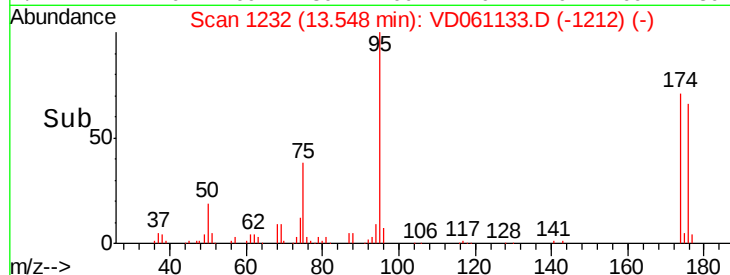
176 65.5 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061133.D

Acq: 17 Mar 2019 4:01

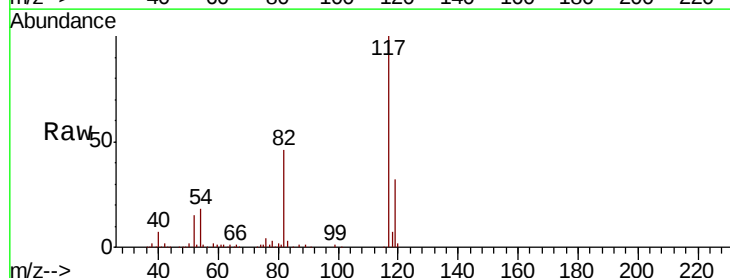
Tgt Ion: 117 Resp: 615021

Ion Ratio Lower Upper

117 100

82 45.7 38.9 58.3

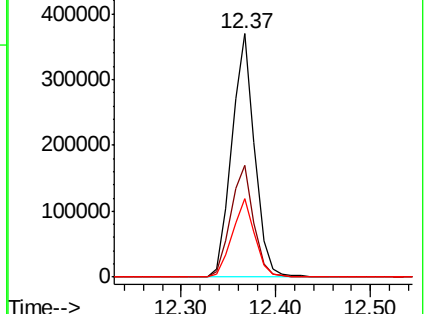
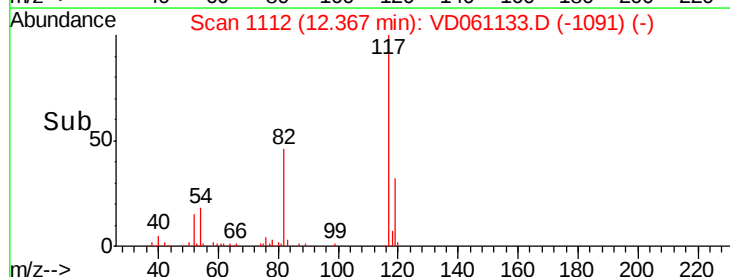
119 32.2 26.6 39.8

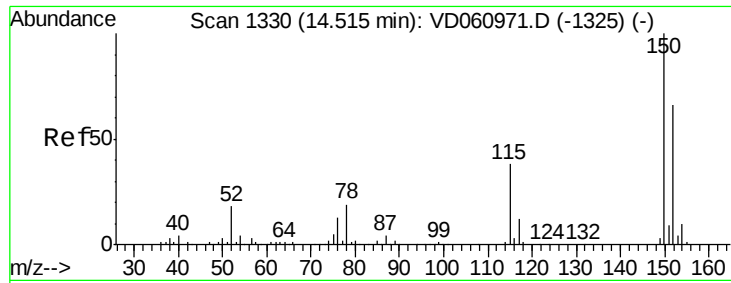


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

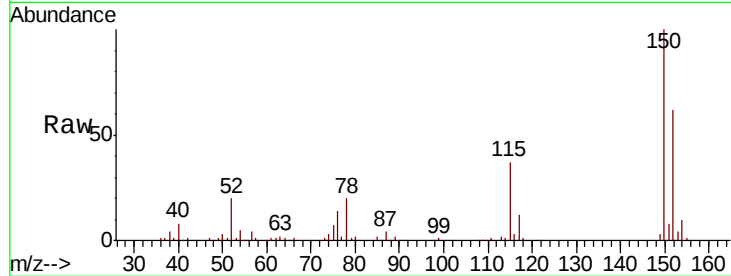




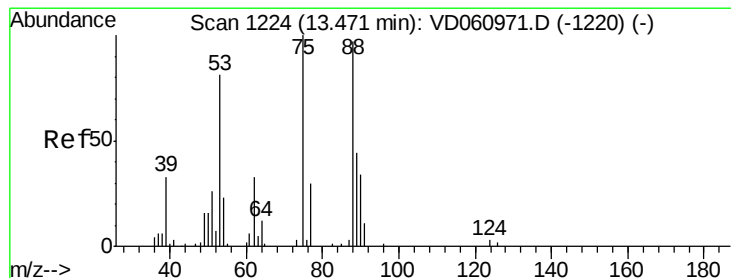
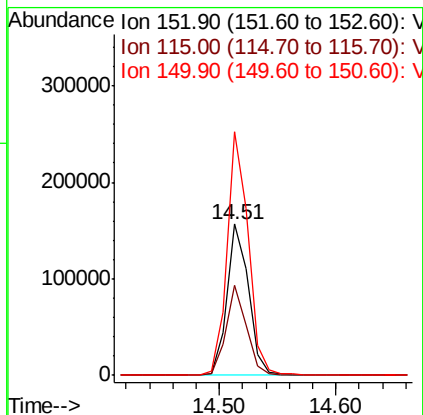
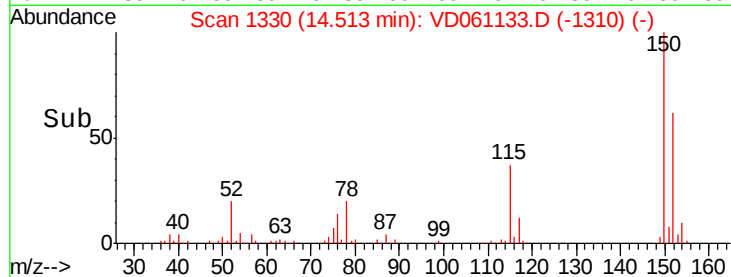
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.6	85.9
150	160.8	0.0	310.6



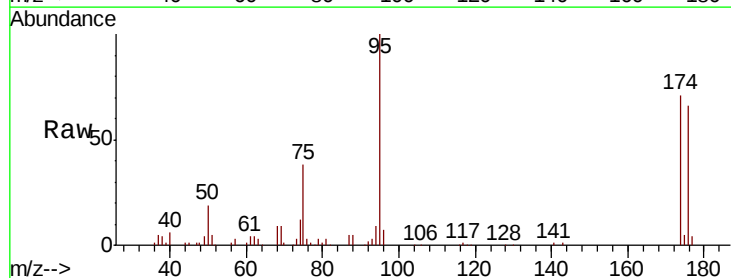
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 97.469 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061133.D
Acq: 17 Mar 2019 4:01

Tgt 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

