

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031319\
 Data File : VD061041.D
 Acq On : 13 Mar 2019 14:46
 Operator : VA/AP
 Sample : K1866-07RE
 Misc : 6.66g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 02:00:53 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	7.03	168	602950	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.20	114	1084470	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	915246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	404878	50.00	ug/l	0.00

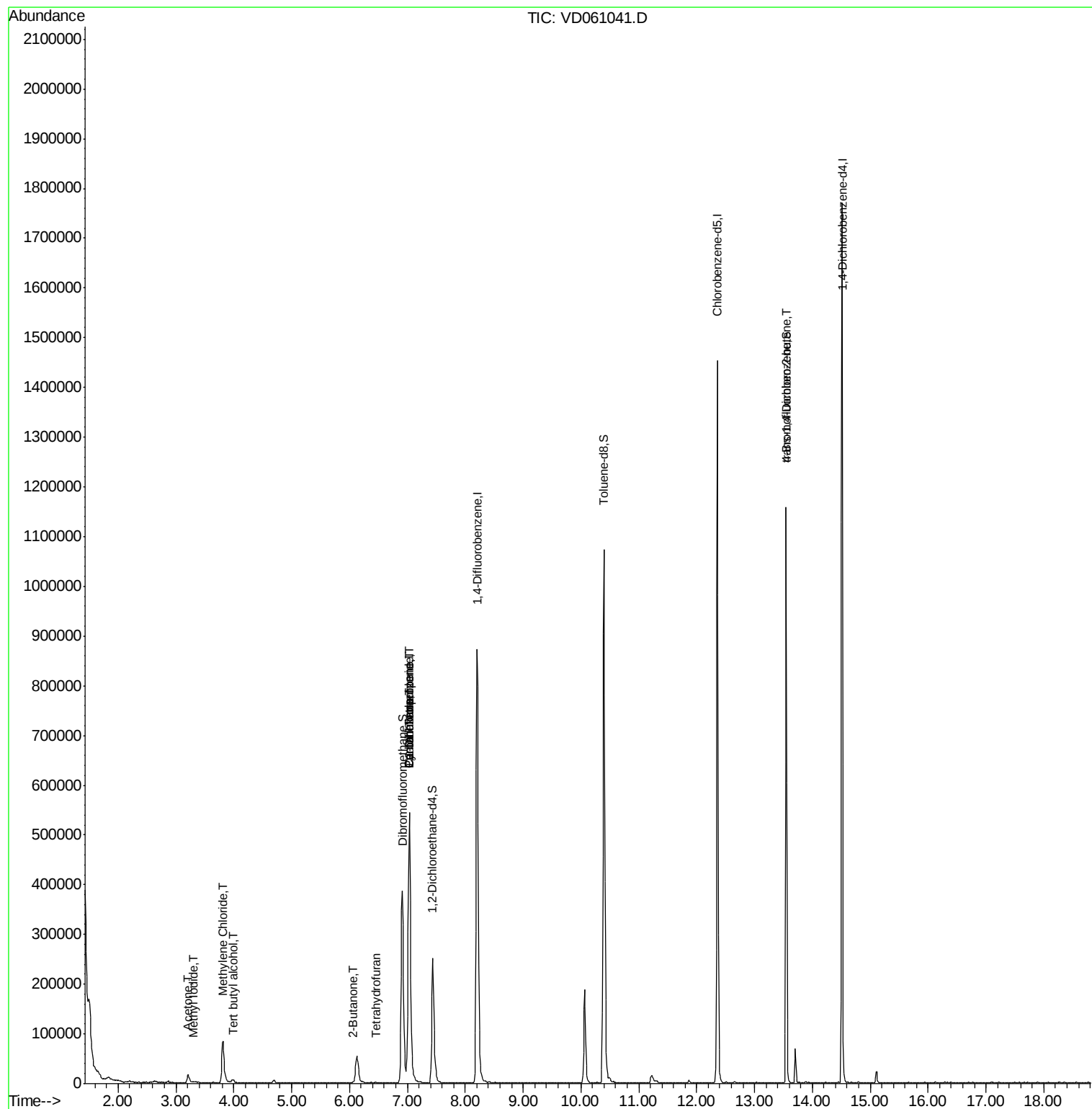
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	235777	46.98	ug/l	-0.01
Spiked Amount			Recovery	=	93.96%	
35) Dibromofluoromethane	6.91	113	372455	46.28	ug/l	-0.01
Spiked Amount			Recovery	=	92.56%	
50) Toluene-d8	10.40	98	934199	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
62) 4-Bromofluorobenzene	13.55	95	356736	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	397	Below Cal	#	8
10) Methyl Iodide	3.31	142	1236	3.048	ug/l #	39
11) Tert butyl alcohol	3.99	59	7120	22.284	ug/l #	75
16) Acetone	3.21	43	33903	23.623	ug/l	96
20) Methylene Chloride	3.81	84	64282	5.690	ug/l	91
25) 2-Butanone	6.06	43	3266	2.005	ug/l #	55
29) Tetrahydrofuran	6.44	42	1138	1.287	ug/l #	45
31) Cyclohexane	7.03	56	9749	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	45135	4.828	ug/l #	46
38) Carbon Tetrachloride	7.03	117	56854	5.521	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	128010	74.541	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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061041.D

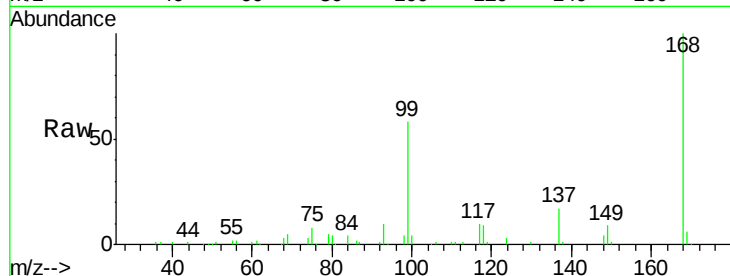
Acq: 13 Mar 2019 14:46

Tot Ion:168 Resp: 602950

Ion Ratio Lower Upper

168 100

99 58.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.03

200000

150000

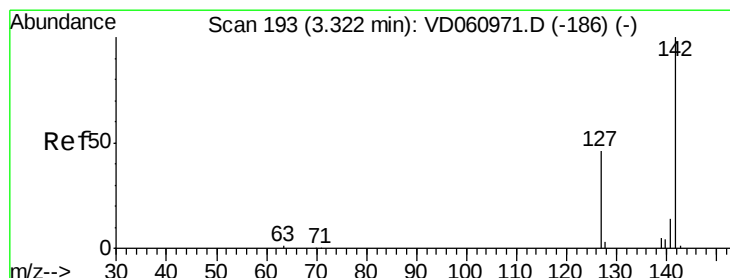
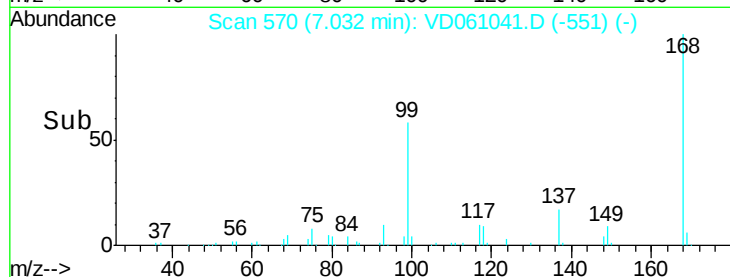
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 3.048 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

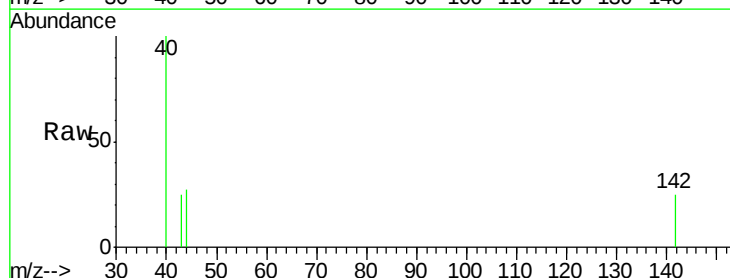
Tgt Ion:142 Resp: 1236

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

3.31

600

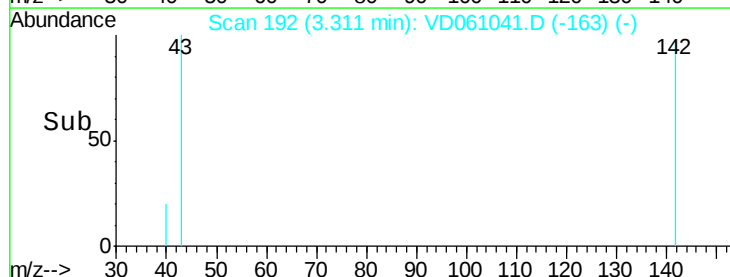
400

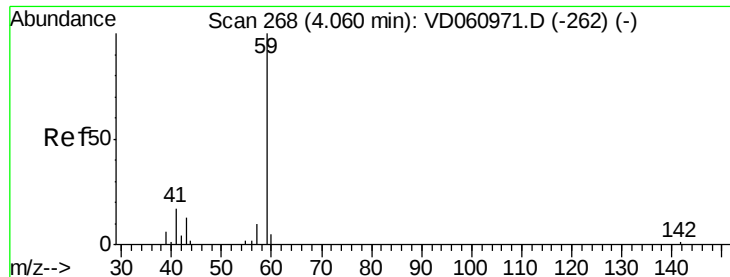
200

0

3.25 3.30 3.35

Time-->

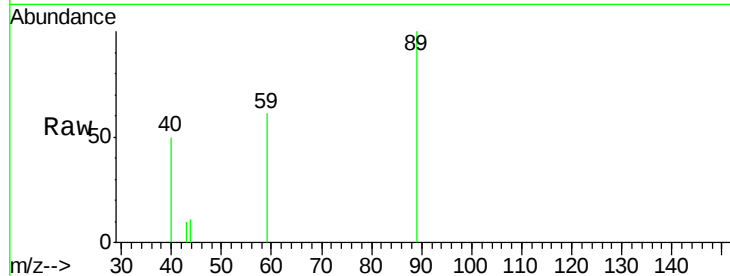




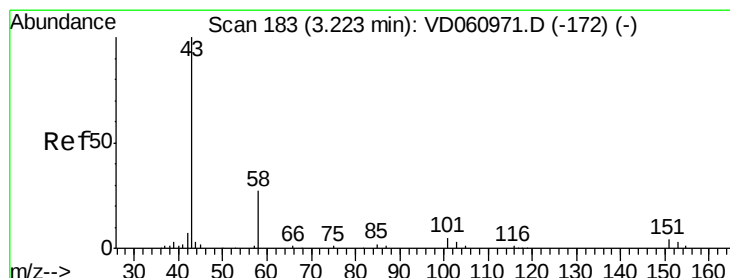
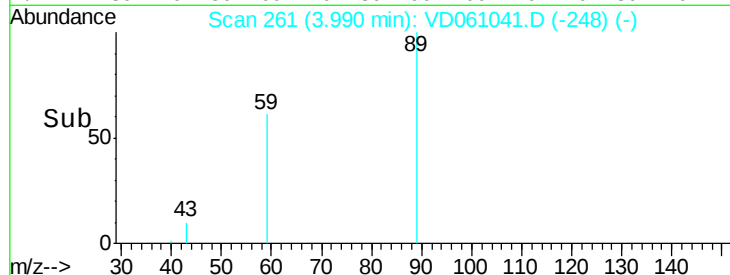
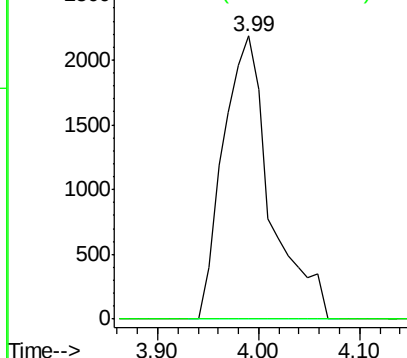
#11

Tert butyl alcohol
Concen: 22.284 ug/l
RT: 3.99 min Scan# 261
Delta R.T. -0.07 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tot Ion: 59 Resp: 7120
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



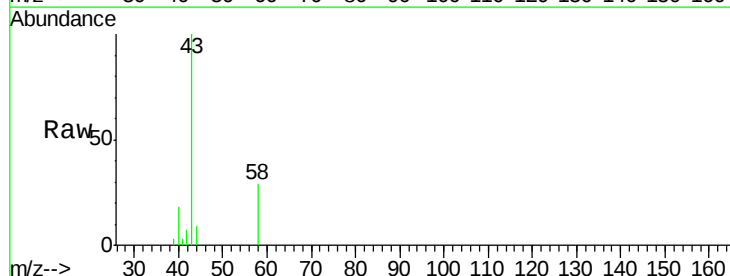
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



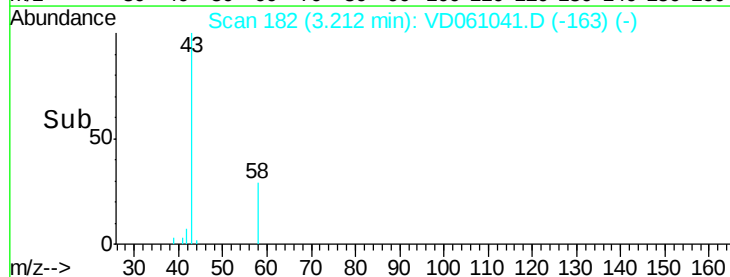
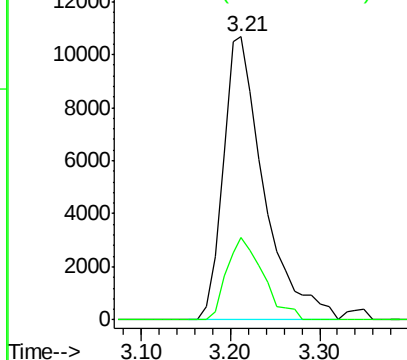
#16

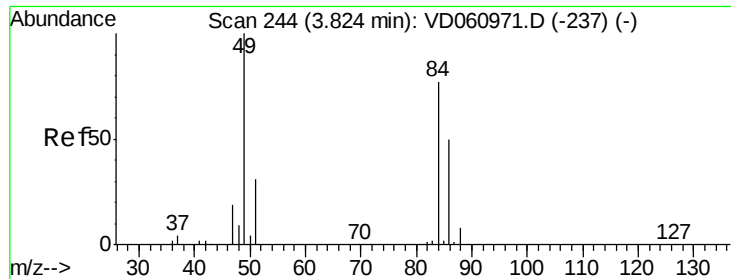
Acetone
Concen: 23.623 ug/l
RT: 3.21 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tgt Ion: 43 Resp: 33903
Ion Ratio Lower Upper
43 100
58 29.0 21.6 32.4



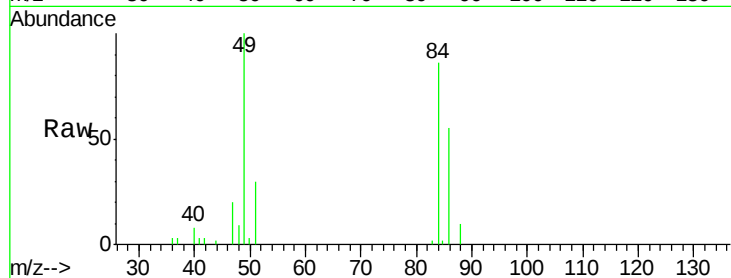
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



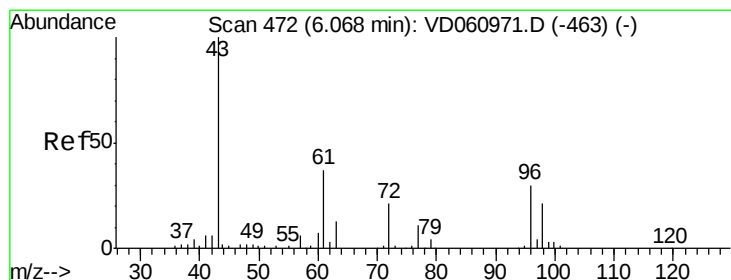
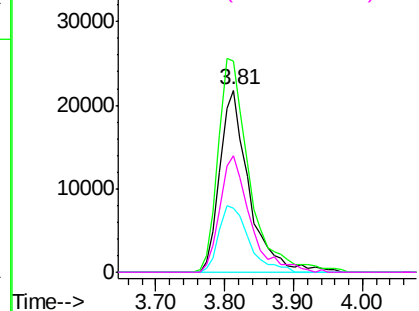
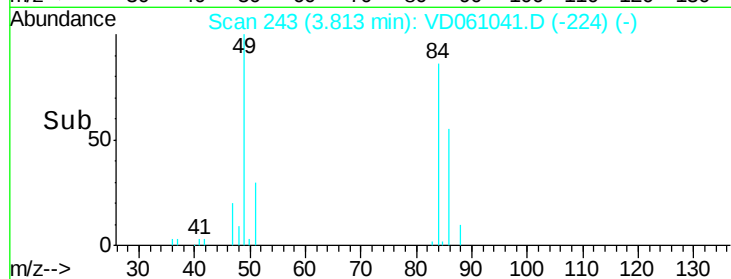


#20
Methvlene Chloride
Concen: 5.690 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tot Ion:	84	Resp:	64282
Ion	Ratio	Lower	Upper
84	100		
49	116.2	104.2	156.2
51	34.8	32.3	48.5
86	64.3	52.3	78.5

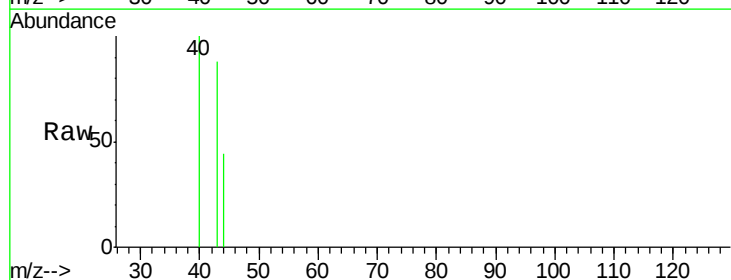


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

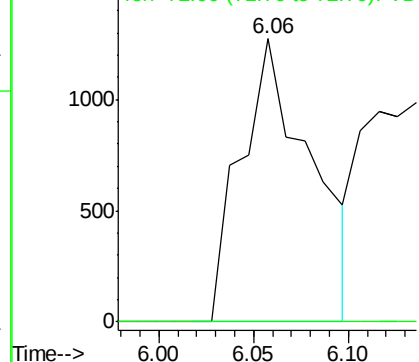
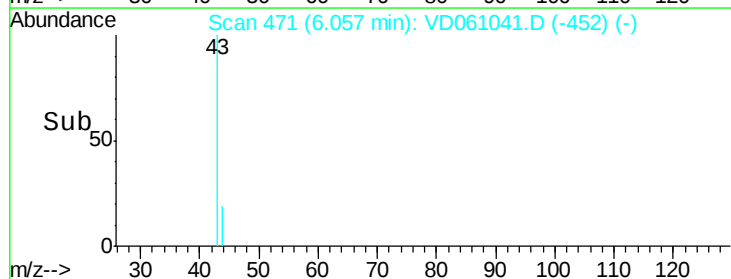


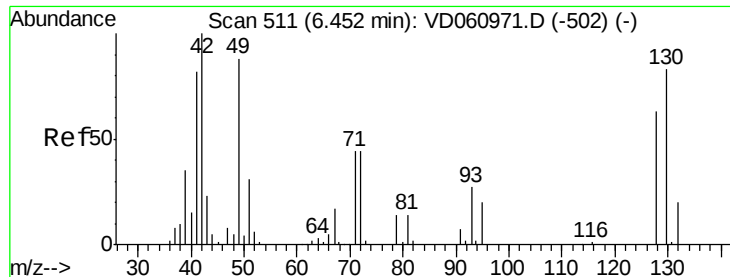
#25
2-Butanone
Concen: 2.005 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.01 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tgt Ion:	43	Resp:	3266
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.287 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

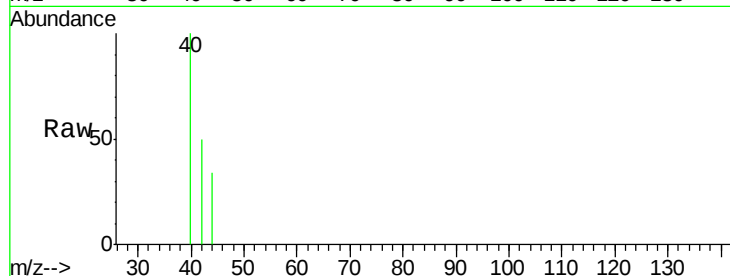
Tot Ion: 42 Resp: 1138

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 15.8 33.8 50.6#



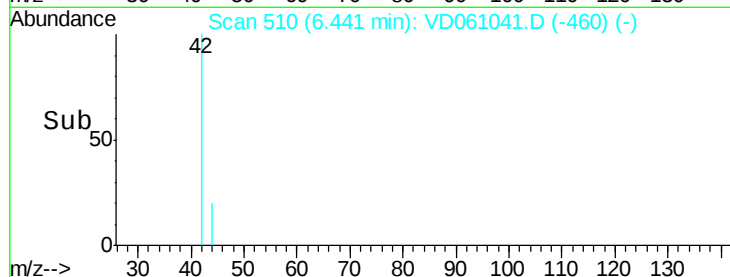
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

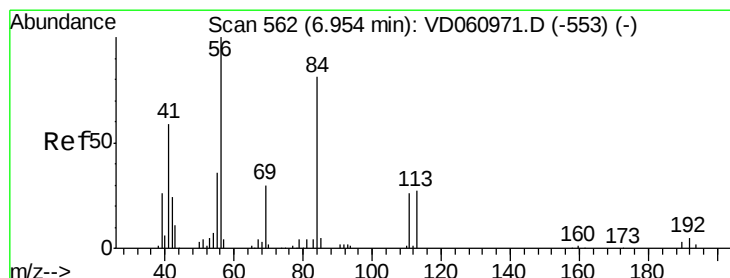
Ion 71.00 (70.70 to 71.70): VDC

6.44

6.40 6.45 6.50



Time-->



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

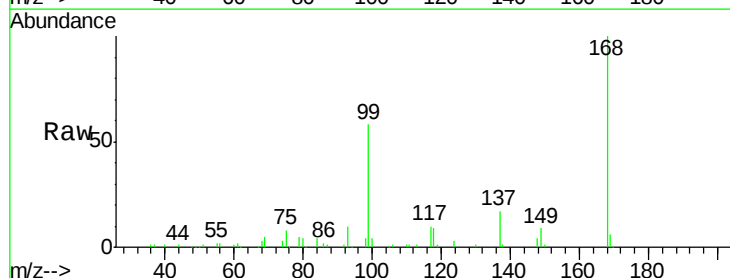
Tgt Ion: 56 Resp: 9749

Ion Ratio Lower Upper

56 100

69 275.2 24.0 36.0#

84 228.2 65.8 98.6#



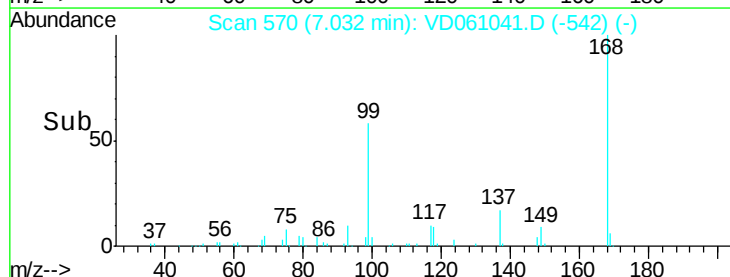
Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

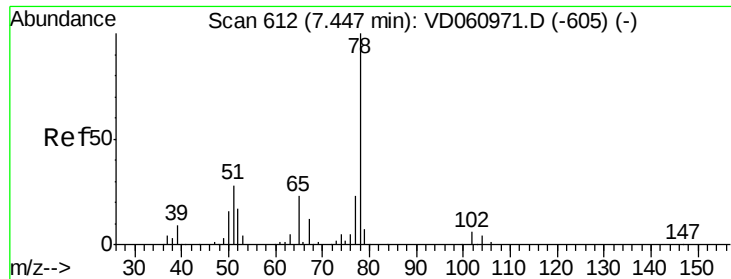
Ion 84.05 (83.75 to 84.75): VDC

7.03

6.95 7.00 7.05 7.10



Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061041.D

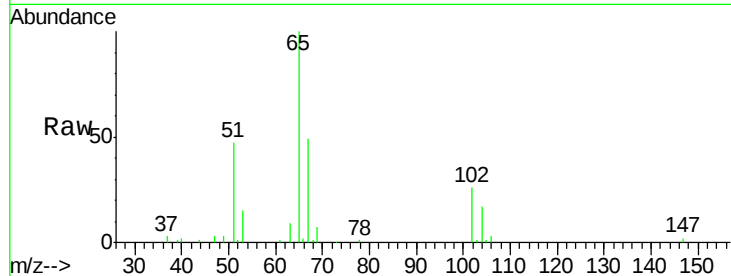
Acq: 13 Mar 2019 14:46

Tot Ion: 65 Resp: 235777

Ion Ratio Lower Upper

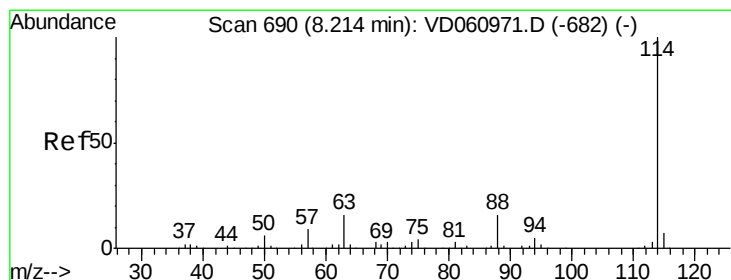
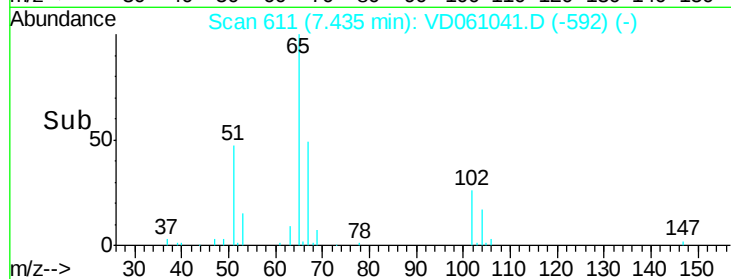
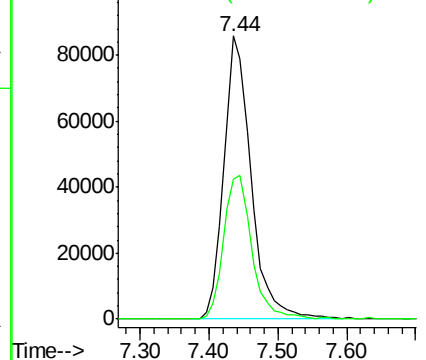
65 100

67 49.5 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: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

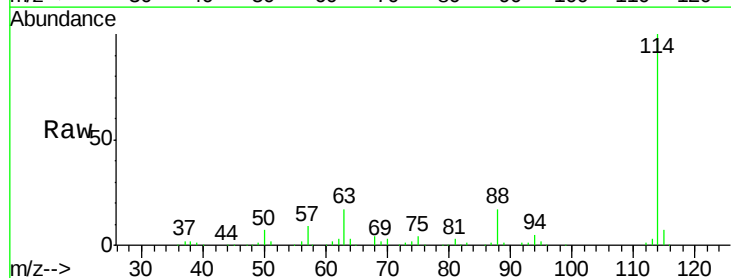
Tgt Ion: 114 Resp: 1084470

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.4

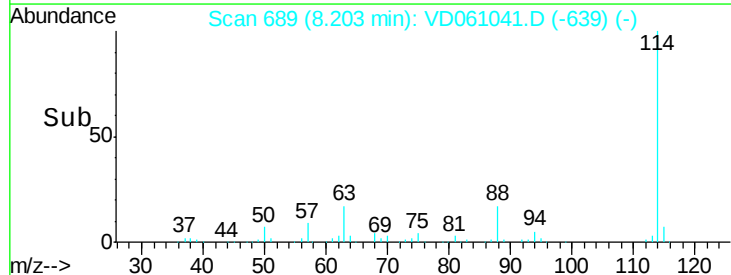
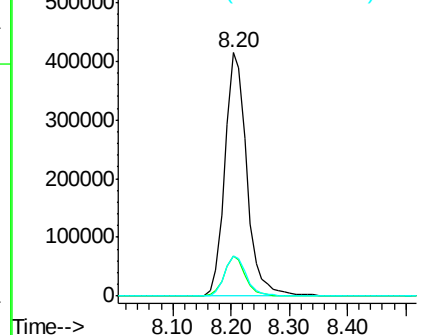
88 16.7 0.0 33.0

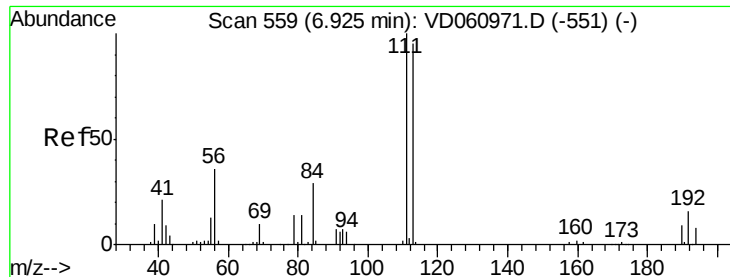


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

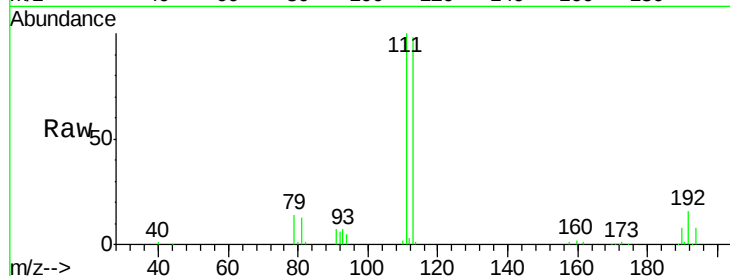
Tot Ion:113 Resp: 372455

Ion Ratio Lower Upper

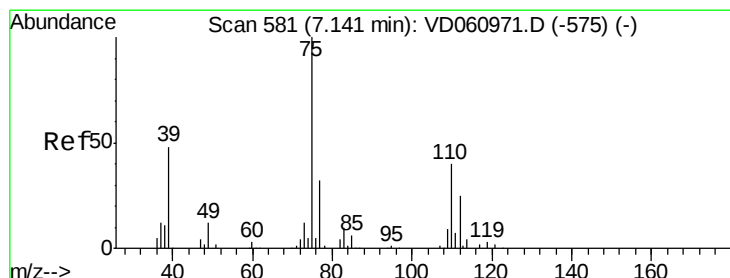
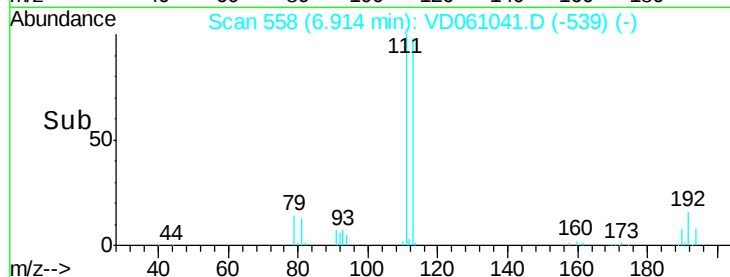
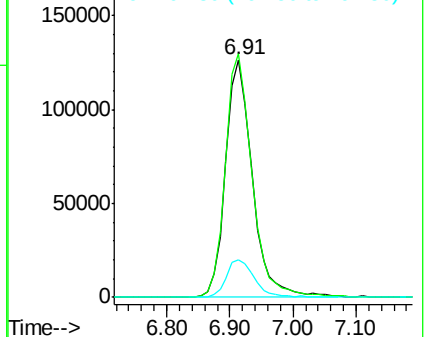
113 100

111 102.5 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: 4.828 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

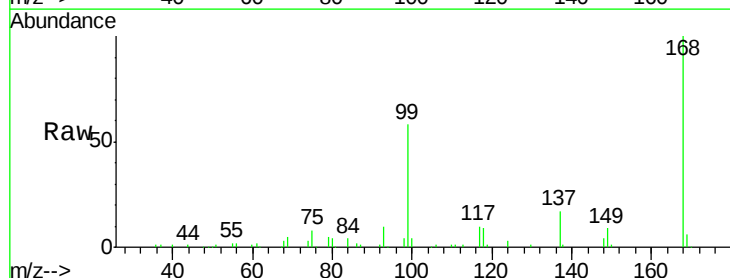
Tgt Ion: 75 Resp: 45135

Ion Ratio Lower Upper

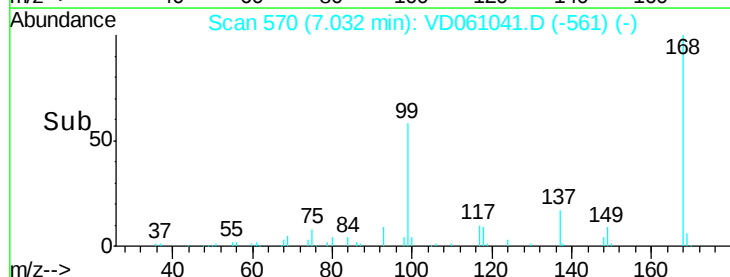
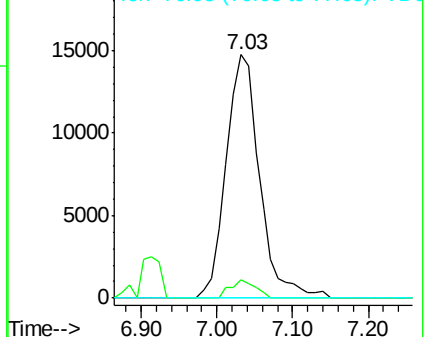
75 100

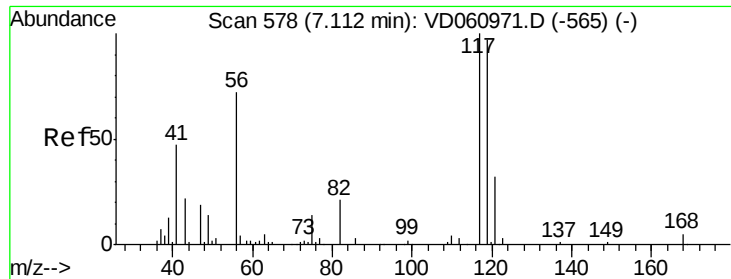
110 7.6 19.7 59.1#

77 0.0 24.7 37.1#



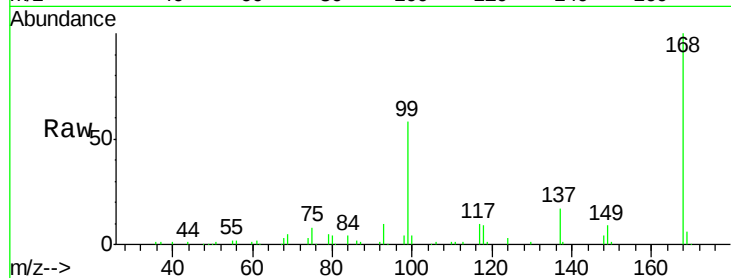
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC



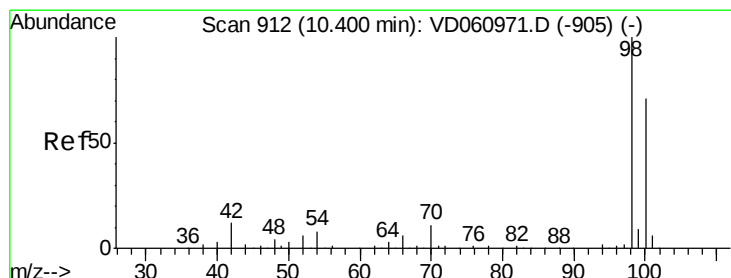
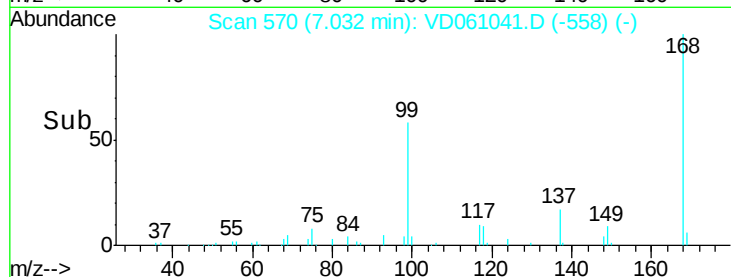
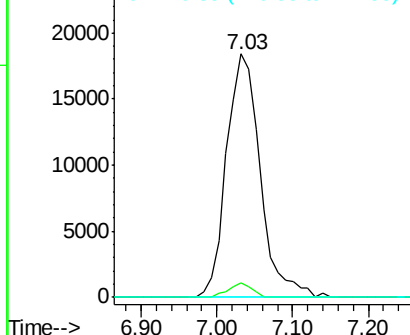


#38
Carbon Tetrachloride
Concen: 5.521 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tot Ion	Ratio	Lower	Upper
117	100		
119	6.1	77.8	116.8#
121	0.0	25.3	37.9#

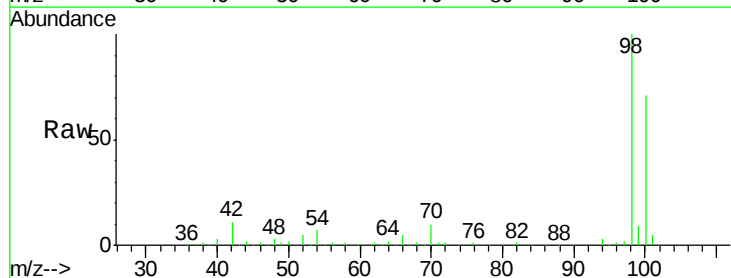


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

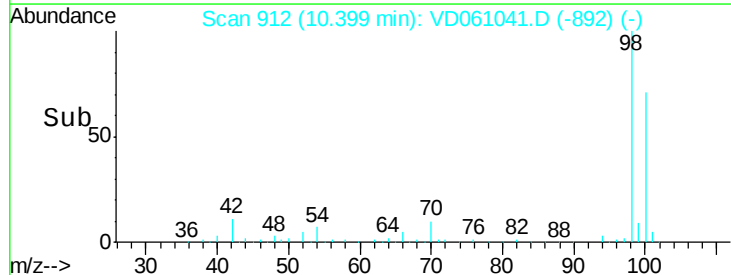
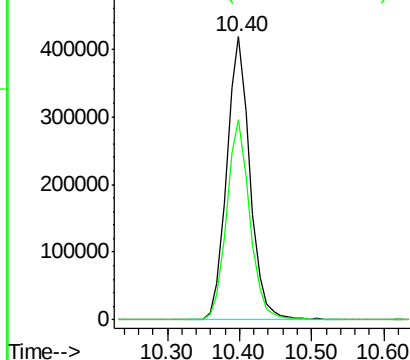


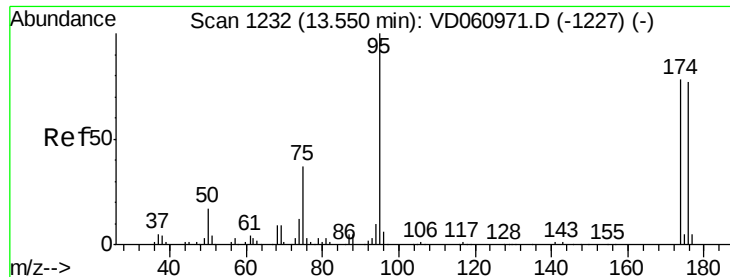
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	57.4	86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

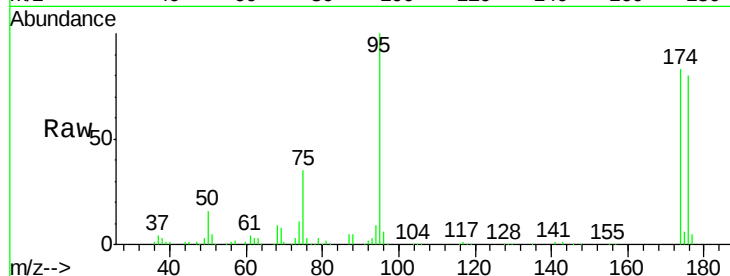
Tot Ion: 95 Resp: 356736

Ion Ratio Lower Upper

95 100

174 82.7 0.0 155.6

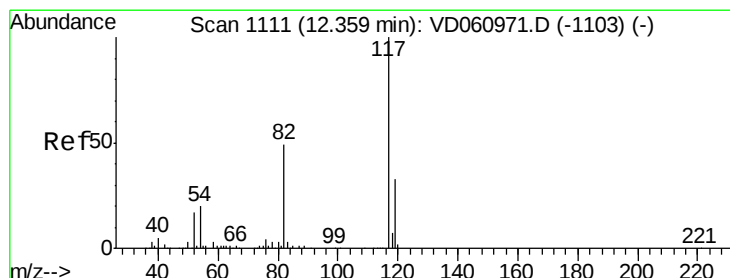
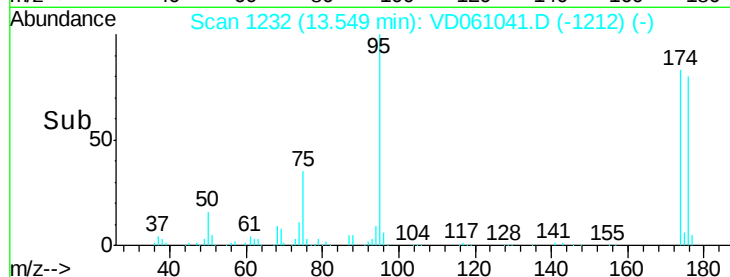
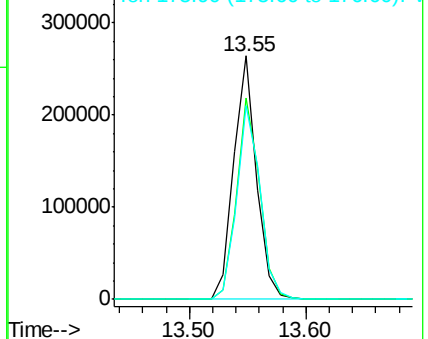
176 79.8 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061041.D

Acq: 13 Mar 2019 14:46

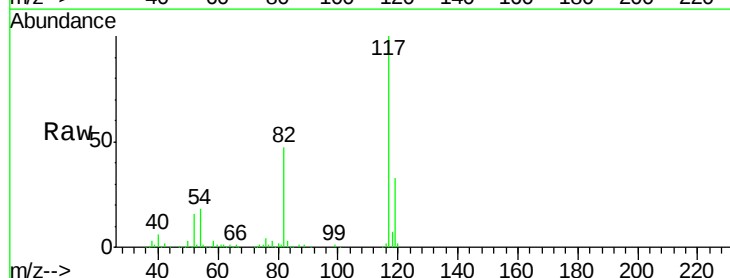
Tgt Ion: 117 Resp: 915246

Ion Ratio Lower Upper

117 100

82 47.2 38.9 58.3

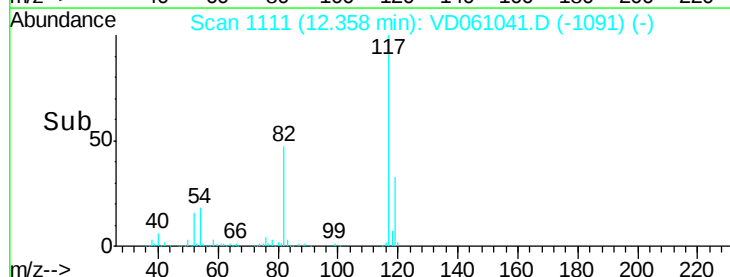
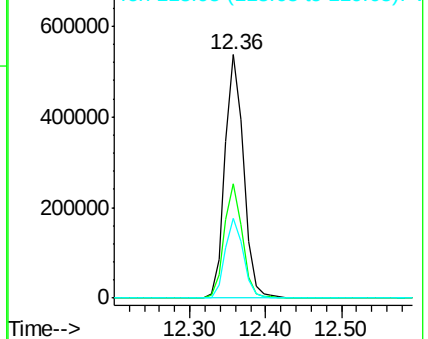
119 32.9 26.6 39.8

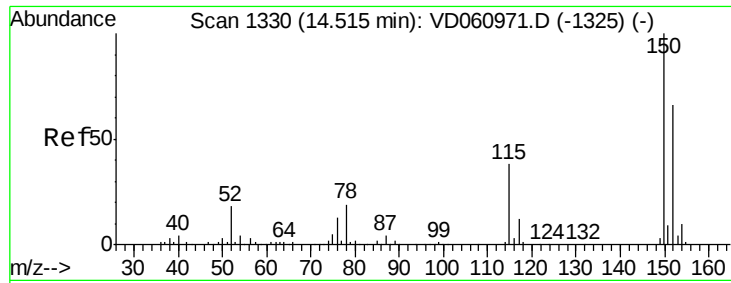


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

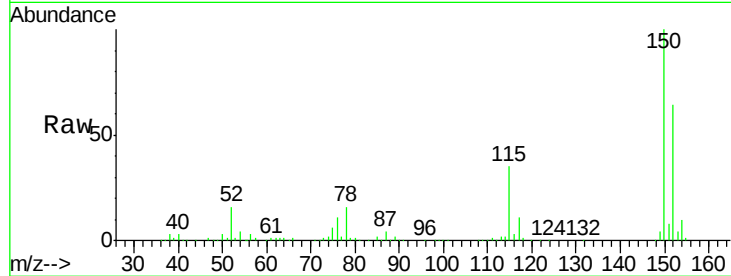




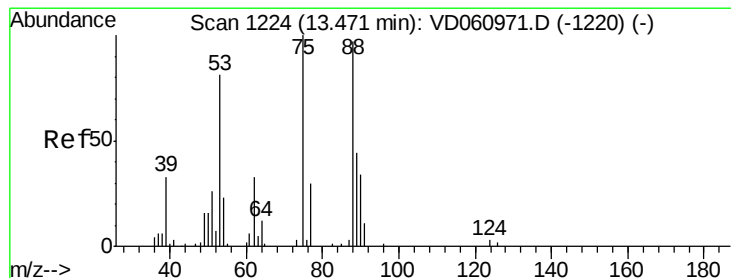
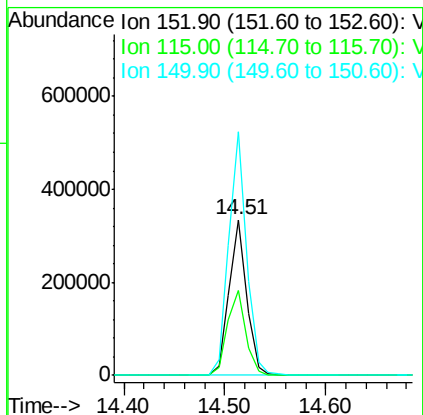
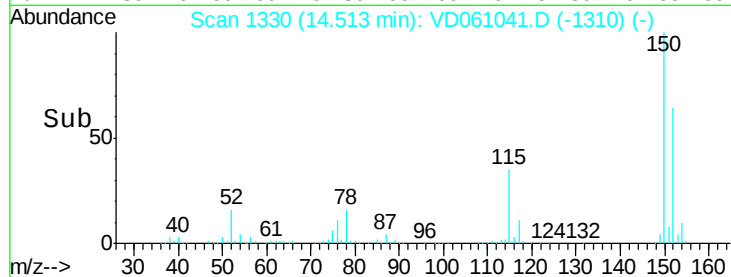
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tot Ion:152 Resp: 404878
Ion Ratio Lower Upper
152 100
115 54.4 28.6 85.9
150 156.7 0.0 310.6



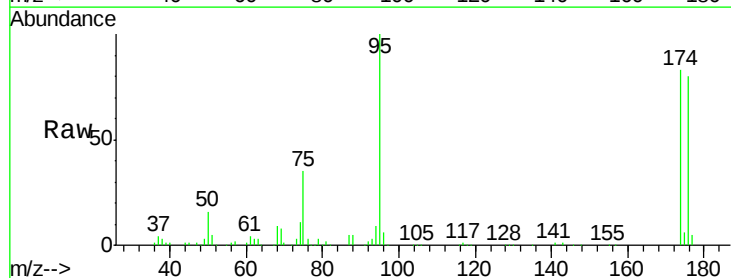
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 74.541 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD061041.D
Acq: 13 Mar 2019 14:46

Tgt Ion: 75 Resp: 128010
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

