

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061111.D
 Acq On : 16 Mar 2019 16:04
 Operator : VA/AP
 Sample : K1905-07
 Misc : 5.67g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 02:27:39 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	104510	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	216853	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	200649	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	78718	50.00	ug/l	0.01

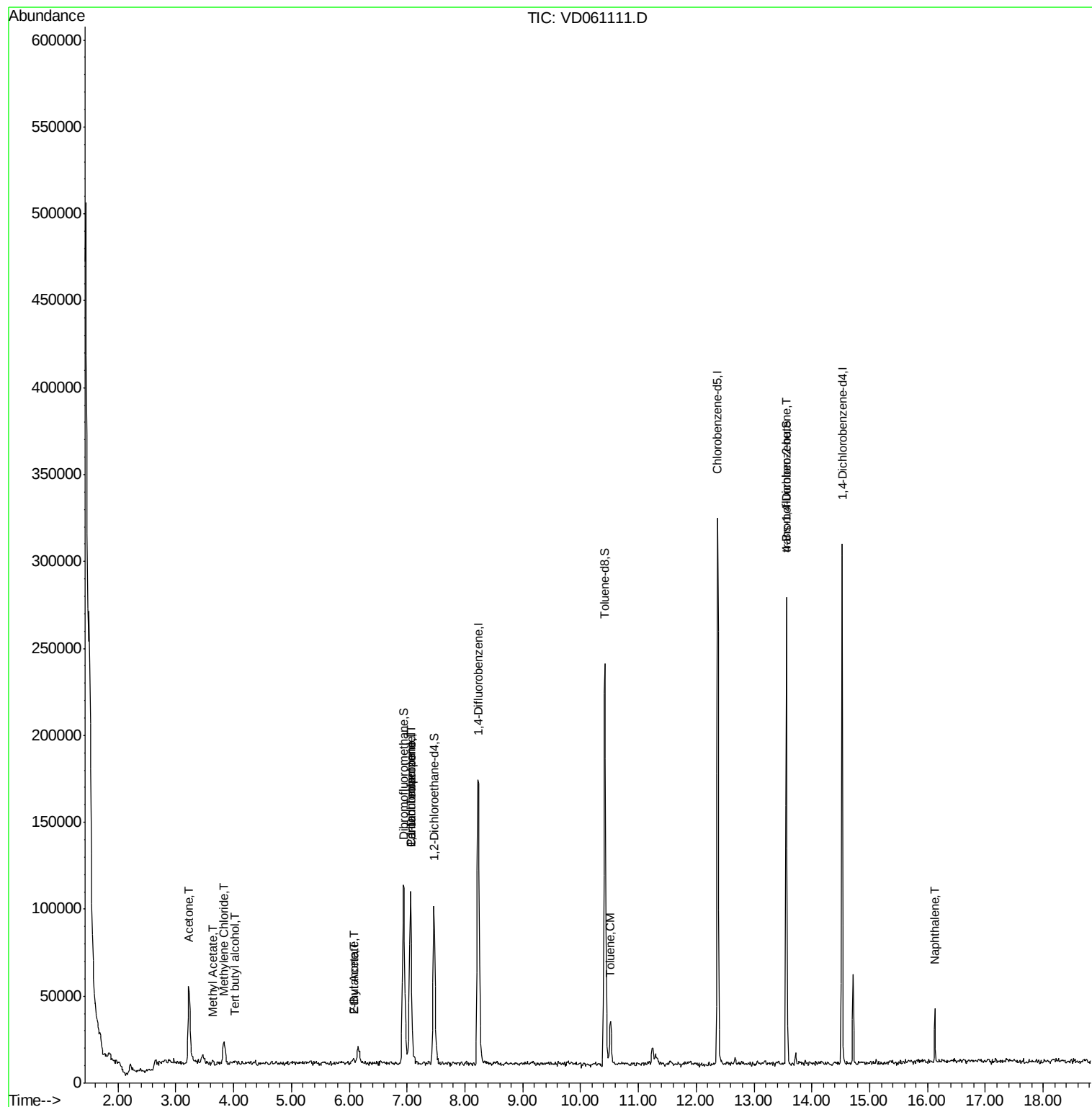
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	81689	93.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	187.80%	
35) Dibromofluoromethane	6.94	113	103186	64.12	ug/l	0.01
Spiked Amount 50.000			Recovery	=	128.24%	
50) Toluene-d8	10.42	98	210500	52.09	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	13.56	95	83130	53.01	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.02%	

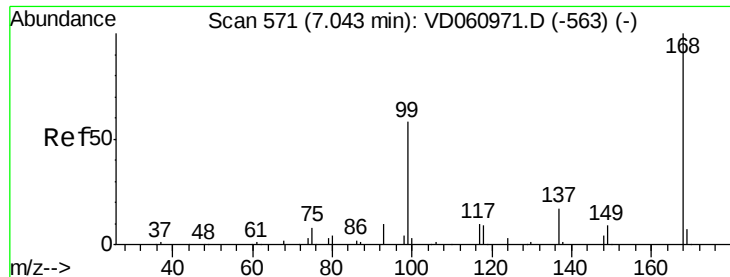
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.02	59	1761	31.798	ug/l #	75
16) Acetone	3.22	43	83108	334.085	ug/l	92
18) Methyl Acetate	3.66	43	2258	4.612	ug/l #	59
20) Methylene Chloride	3.83	84	9440	4.035	ug/l #	88
25) 2-Butanone	6.08	43	8635	30.590	ug/l	95
36) 1,1-Dichloropropene	7.06	75	7302	3.906	ug/l #	39
37) Ethyl Acetate	6.08	43	8635	9.844	ug/l #	66
38) Carbon Tetrachloride	7.06	117	9081	4.410	ug/l #	11
52) Toluene	10.52	92	14371	4.948	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.56	75	28195	84.445	ug/l #	17
95) Naphthalene	16.13	128	20204	13.295	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061111.D

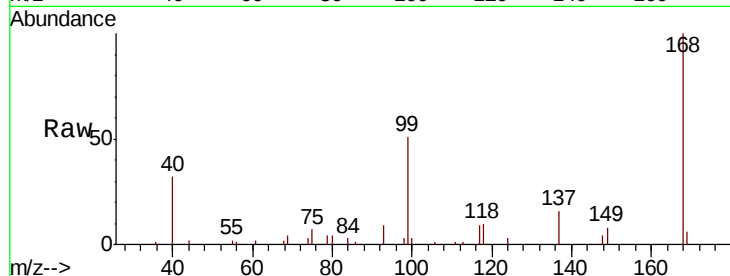
Acq: 16 Mar 2019 16:04

Tgt Ion: 168 Resp: 104510

Ion Ratio Lower Upper

168 100

99 50.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

40000

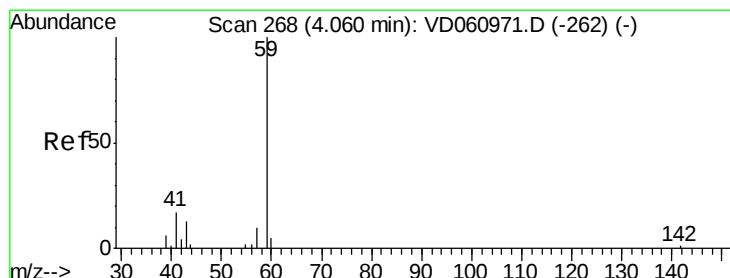
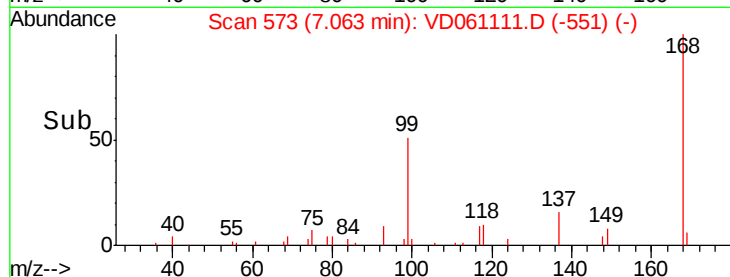
30000

20000

10000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 31.798 ug/l

RT: 4.02 min Scan# 264

Delta R.T. -0.04 min

Lab File: VD061111.D

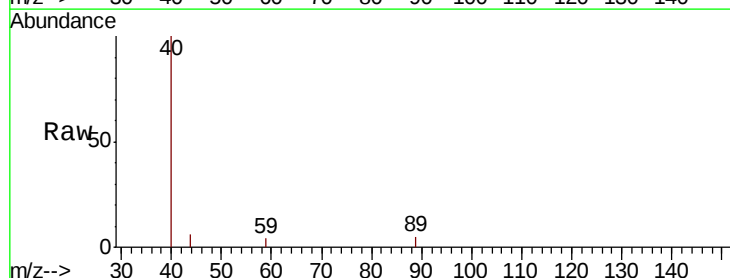
Acq: 16 Mar 2019 16:04

Tgt Ion: 59 Resp: 1761

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

4.02

500

400

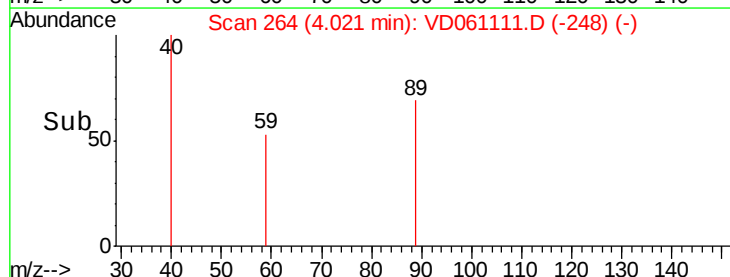
300

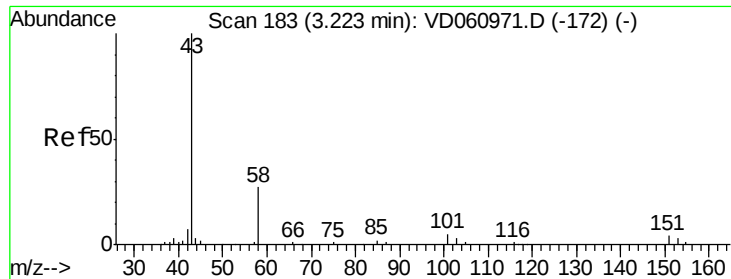
200

100

0

Time--> 3.95 4.00 4.05 4.10





#16

Acetone

Concen: 334.085 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061111.D

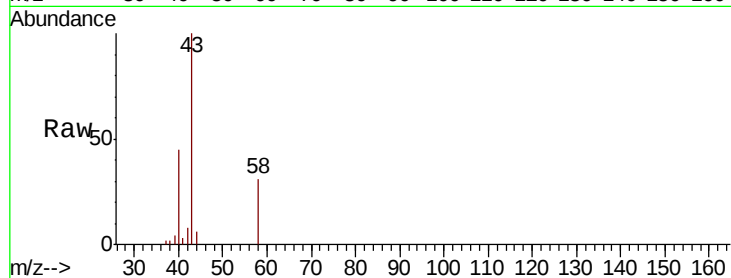
Acq: 16 Mar 2019 16:04

Tgt Ion: 43 Resp: 83108

Ion Ratio Lower Upper

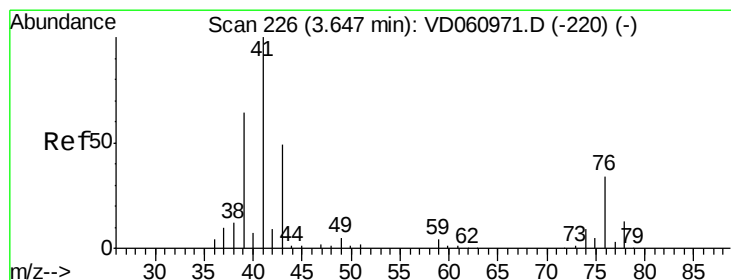
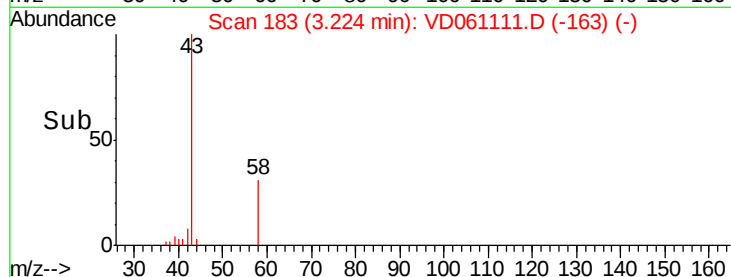
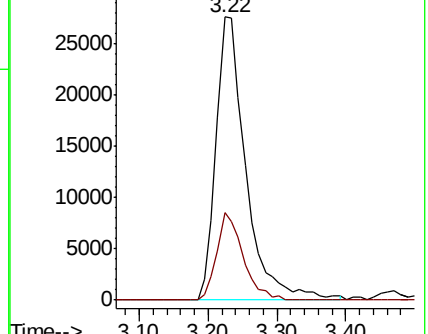
43 100

58 31.1 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: 4.612 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061111.D

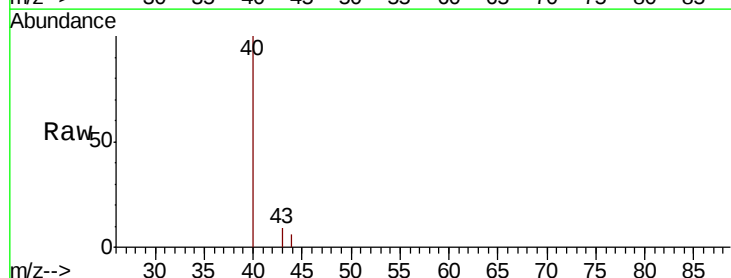
Acq: 16 Mar 2019 16:04

Tgt Ion: 43 Resp: 2258

Ion Ratio Lower Upper

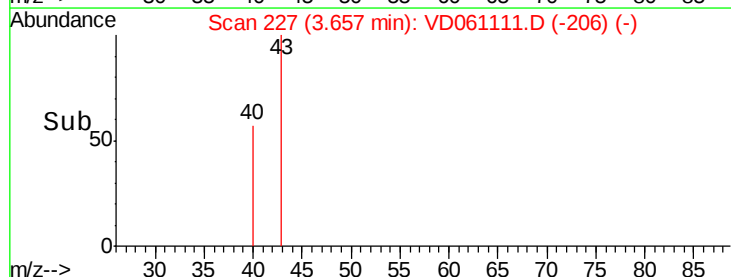
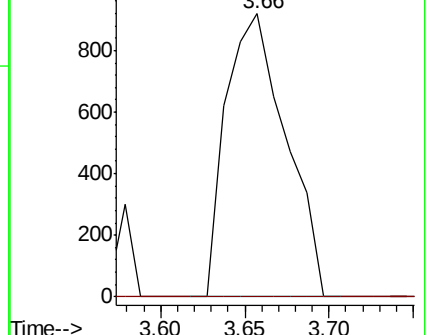
43 100

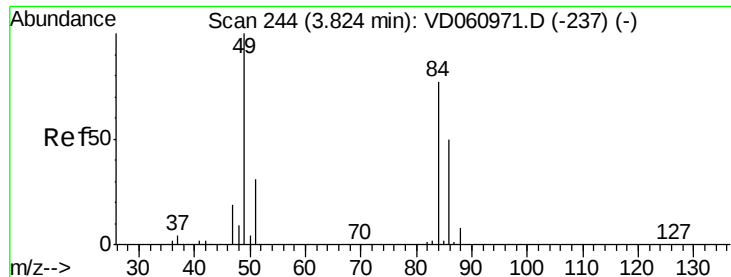
74 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

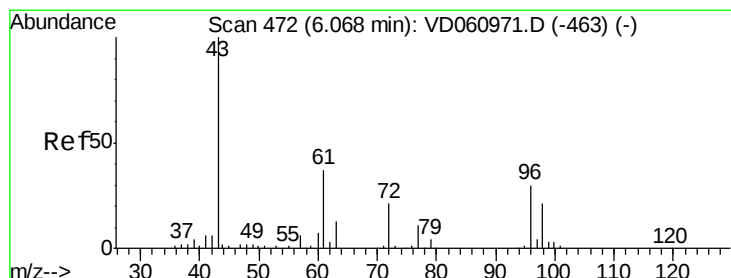
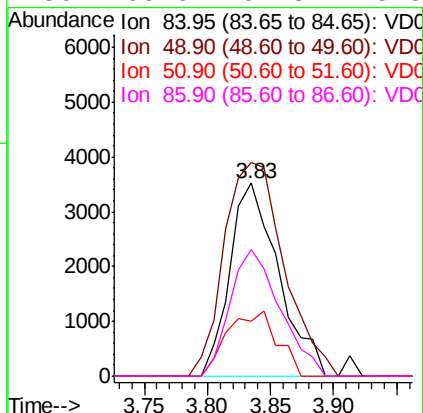
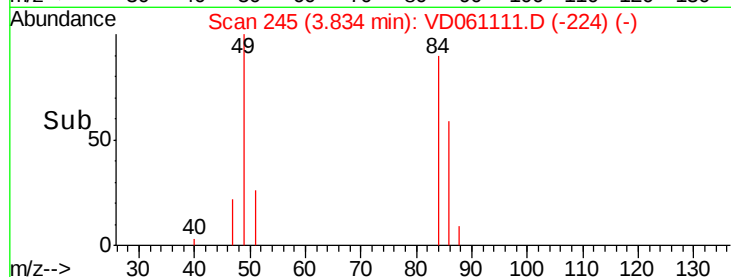
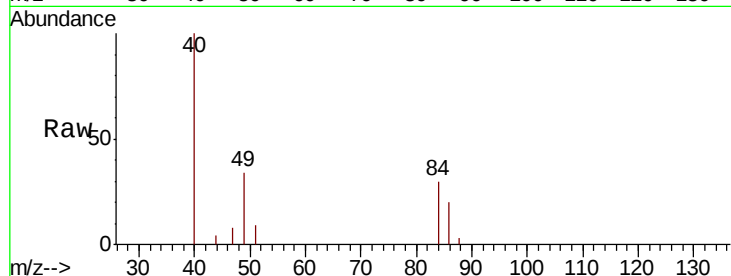
Ion 74.00 (73.70 to 74.70): VDC





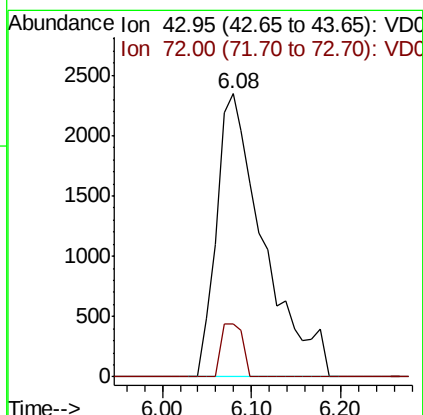
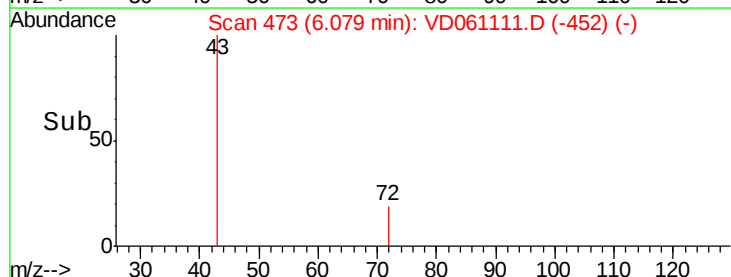
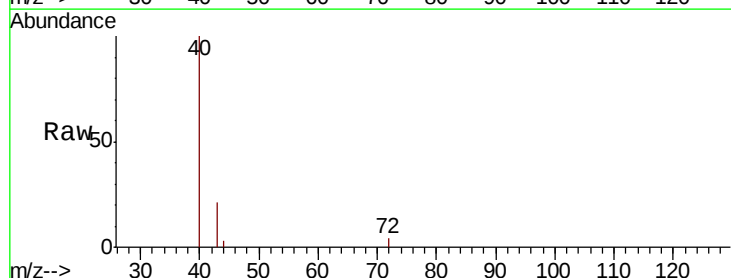
#20
Methylene Chloride
Concen: 4.035 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

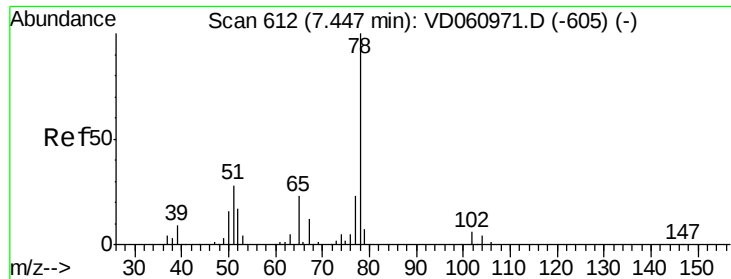
Tgt Ion:	84	Resp:	9440
Ion	Ratio	Lower	Upper
84	100		
49	110.8	104.2	156.2
51	28.5	32.3	48.5#
86	65.6	52.3	78.5



#25
2-Butanone
Concen: 30.590 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

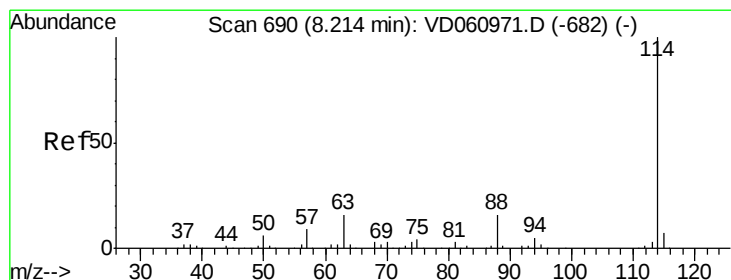
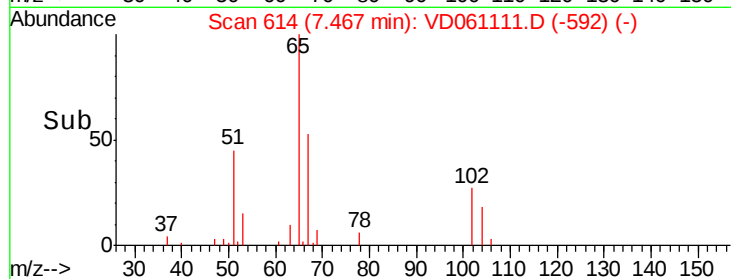
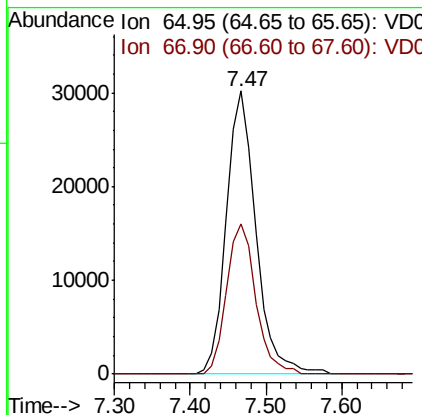
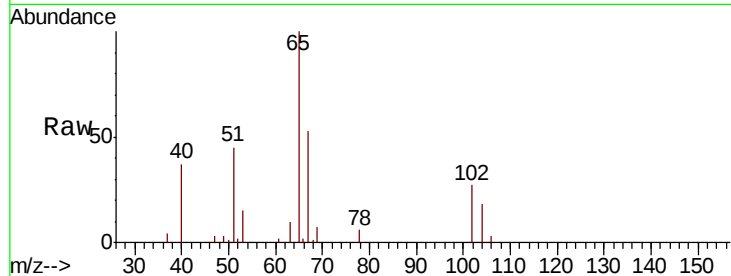
Tgt Ion:	43	Resp:	8635
Ion	Ratio	Lower	Upper
43	100		
72	18.8	16.7	25.1





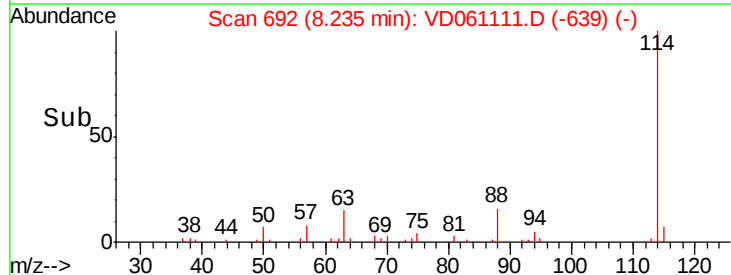
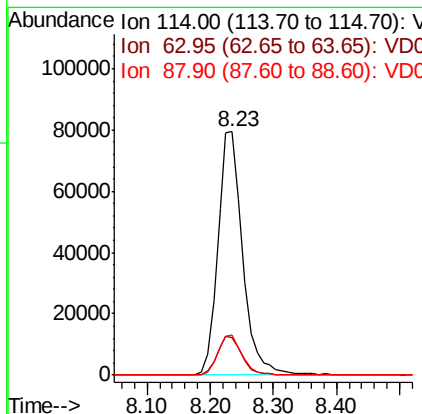
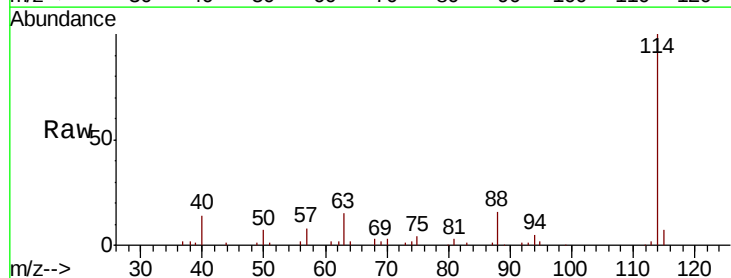
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

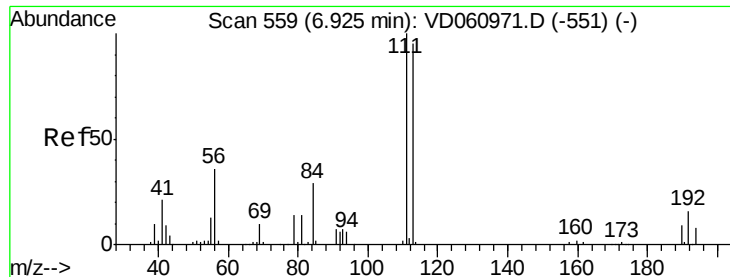
Tgt Ion: 65 Resp: 81689
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

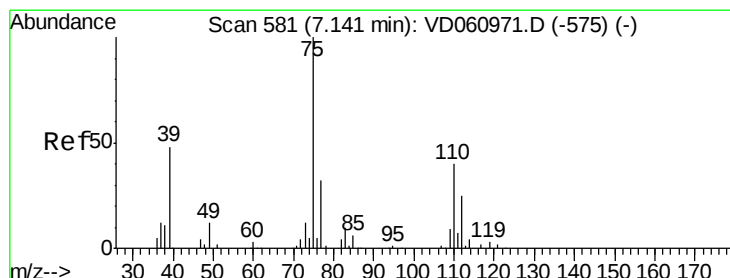
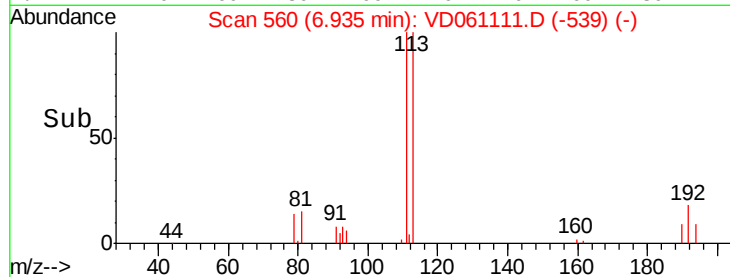
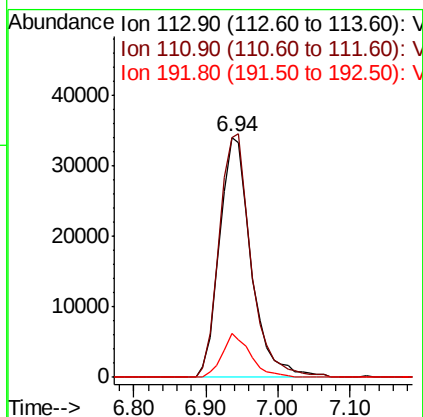
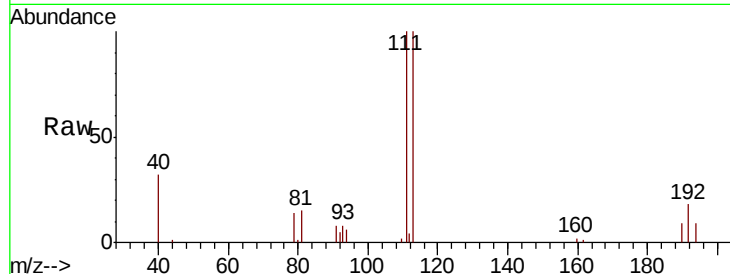
Tgt Ion: 114 Resp: 216853
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.4
 88 16.2 0.0 33.0





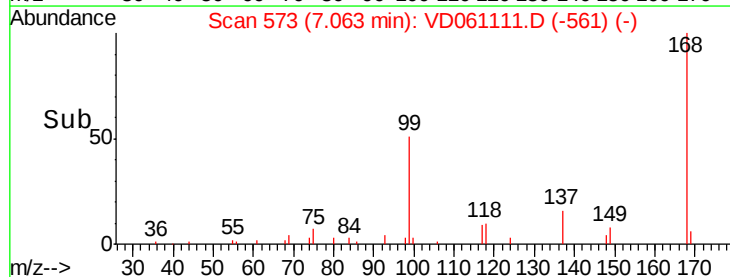
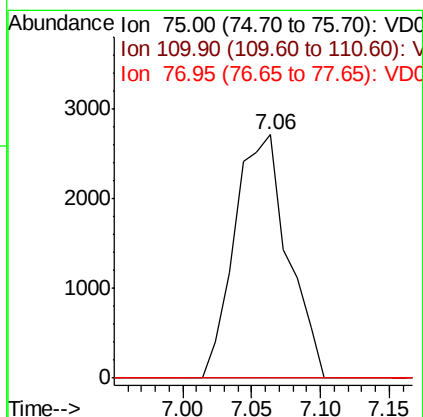
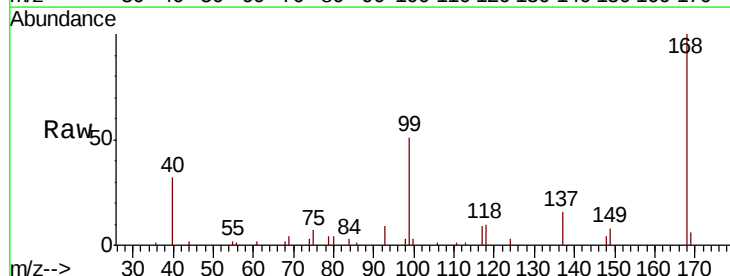
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

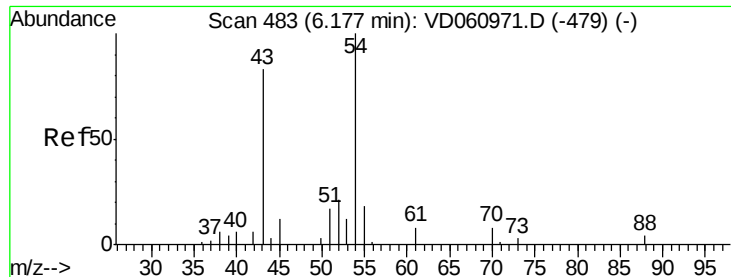
Tgt Ion: 113 Resp: 103186
 Ion Ratio Lower Upper
 113 100
 111 99.7 84.2 126.4
 192 18.4 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 3.906 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

Tgt Ion: 75 Resp: 7302
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.7 59.1#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 9.844 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.10 min

Lab File: VD061111.D

Acq: 16 Mar 2019 16:04

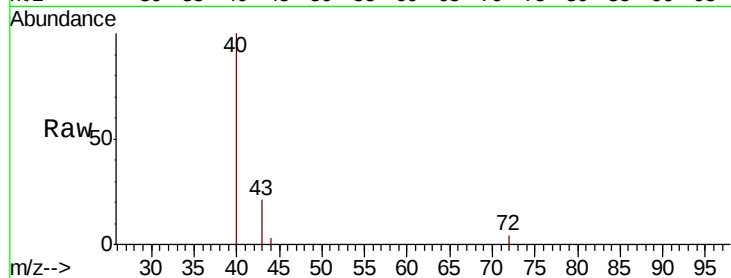
Tgt Ion: 43 Resp: 8635

Ion Ratio Lower Upper

43 100

61 0.0 13.7 20.5#

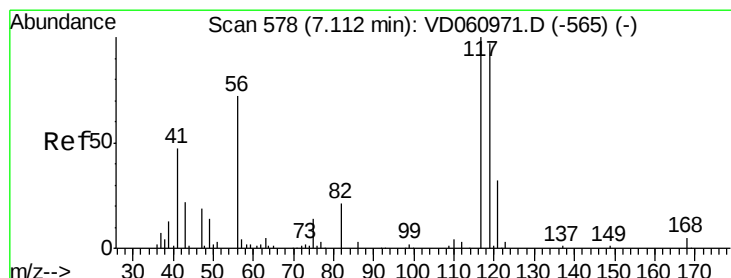
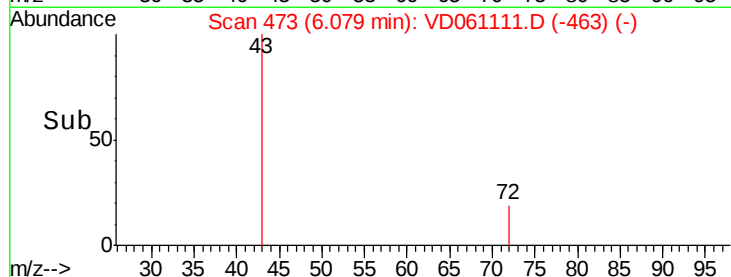
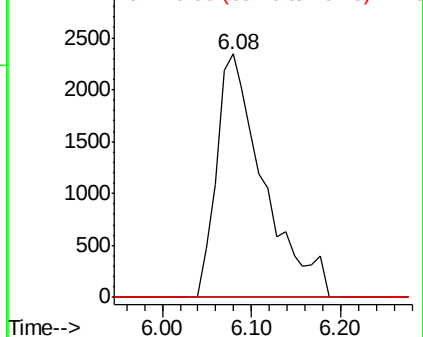
70 0.0 7.1 10.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.410 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061111.D

Acq: 16 Mar 2019 16:04

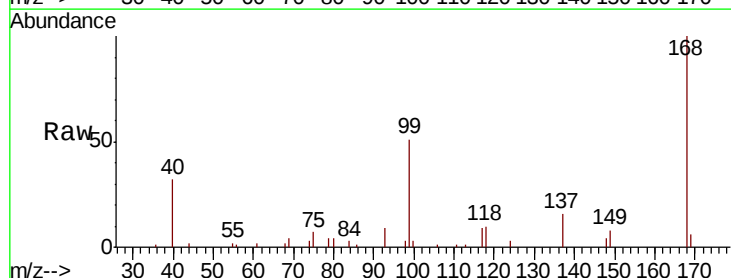
Tgt Ion: 117 Resp: 9081

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.8#

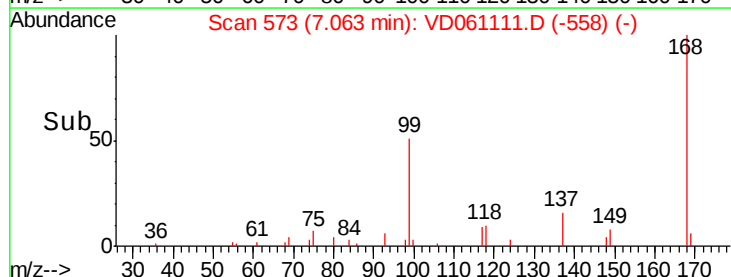
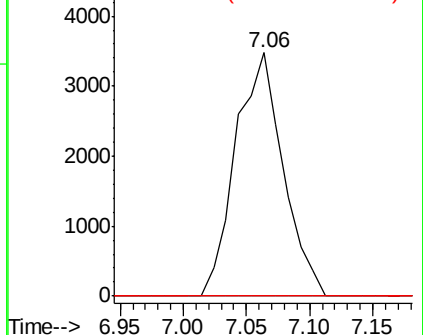
121 0.0 25.3 37.9#

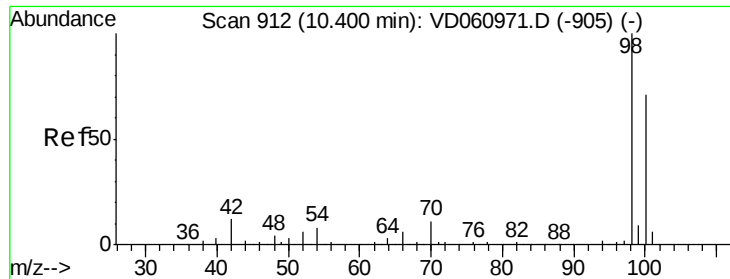


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD061111.D

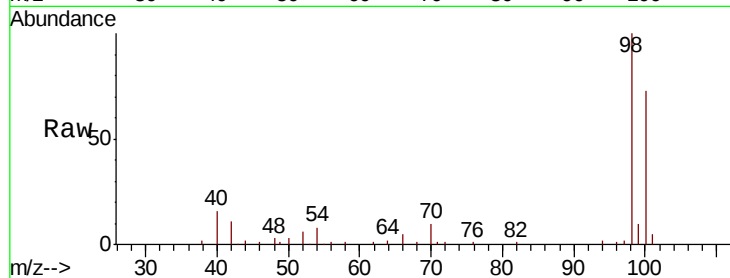
Acq: 16 Mar 2019 16:04

Tgt Ion: 98 Resp: 210500

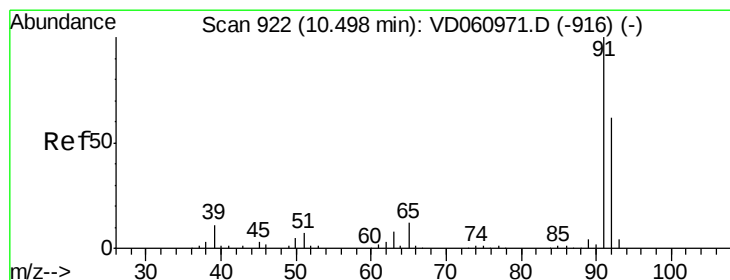
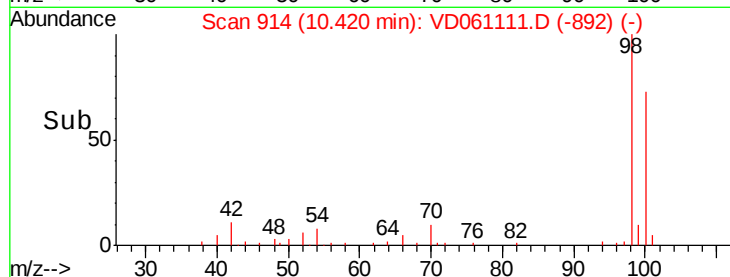
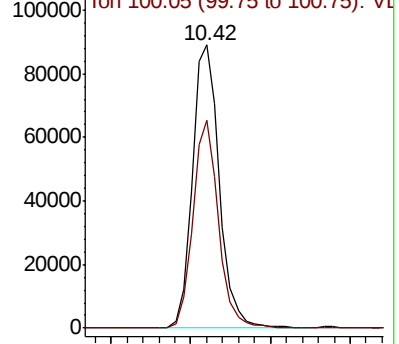
Ion Ratio Lower Upper

98 100

100 73.3 57.4 86.2



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



#52

Toluene

Concen: 4.948 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061111.D

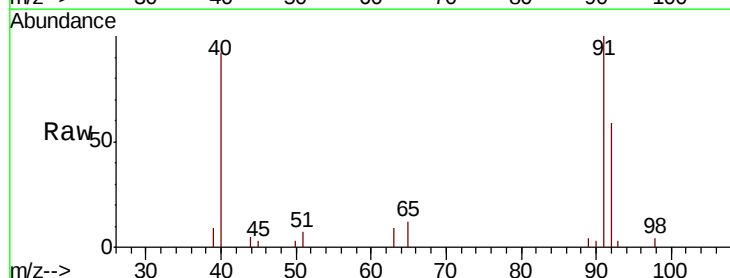
Acq: 16 Mar 2019 16:04

Tgt Ion: 92 Resp: 14371

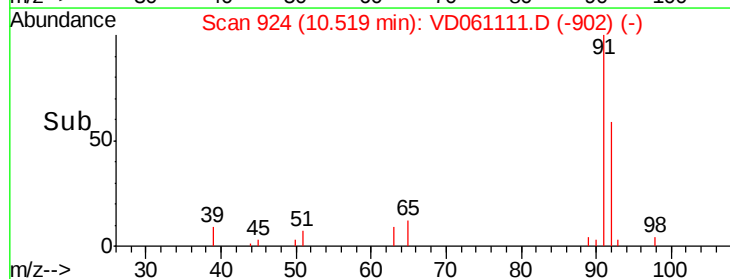
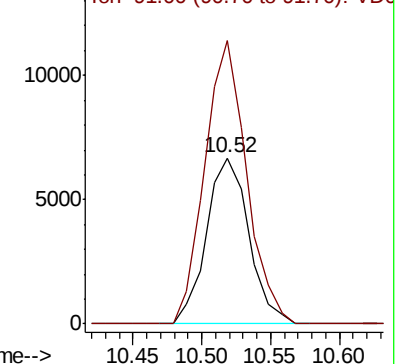
Ion Ratio Lower Upper

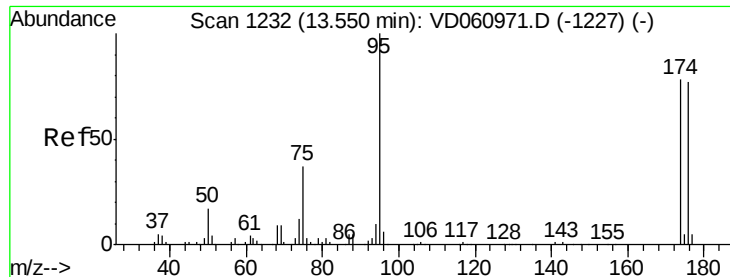
92 100

91 170.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VD060971.D (-916) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061111.D

Acq: 16 Mar 2019 16:04

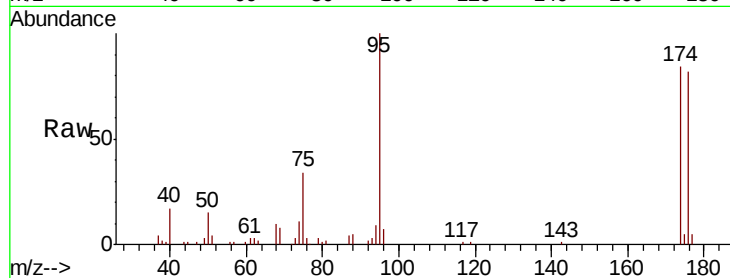
Tgt Ion: 95 Resp: 83130

Ion Ratio Lower Upper

95 100

174 83.9 0.0 155.6

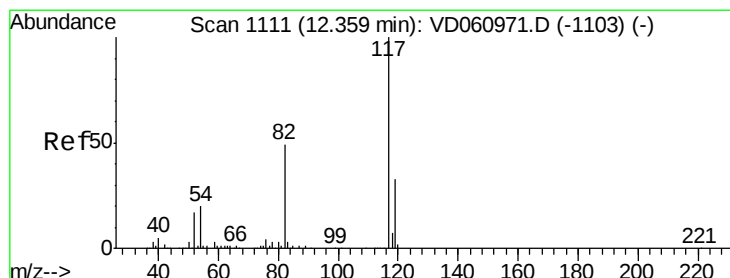
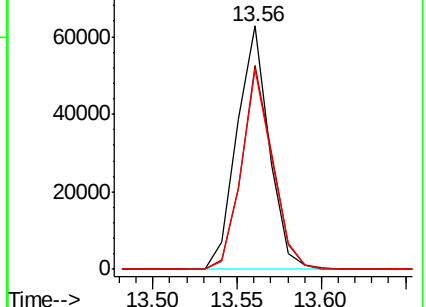
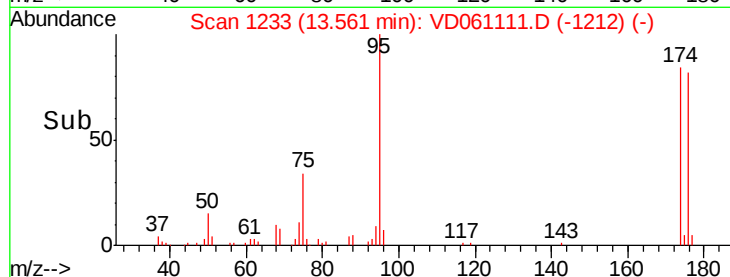
176 82.1 0.0 153.8



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: VD061111.D

Acq: 16 Mar 2019 16:04

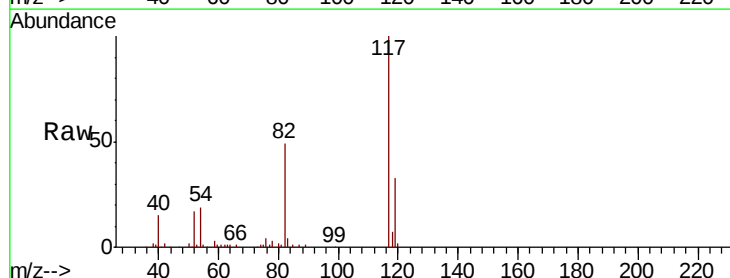
Tgt Ion: 117 Resp: 200649

Ion Ratio Lower Upper

117 100

82 49.1 38.9 58.3

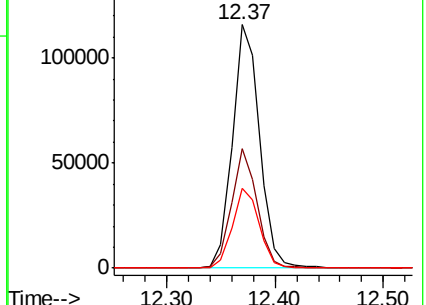
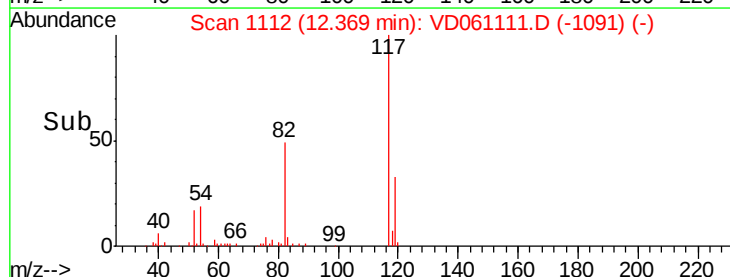
119 32.7 26.6 39.8

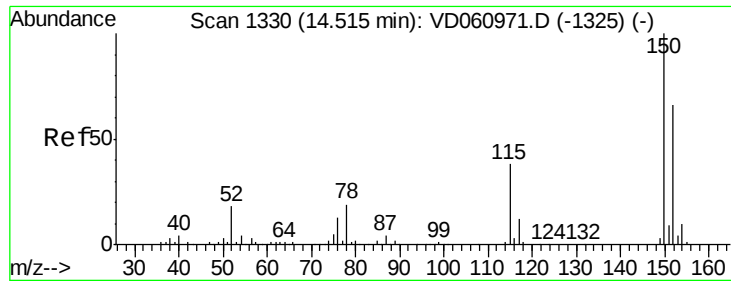


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

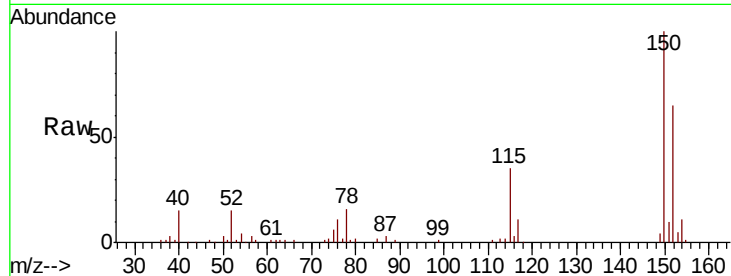




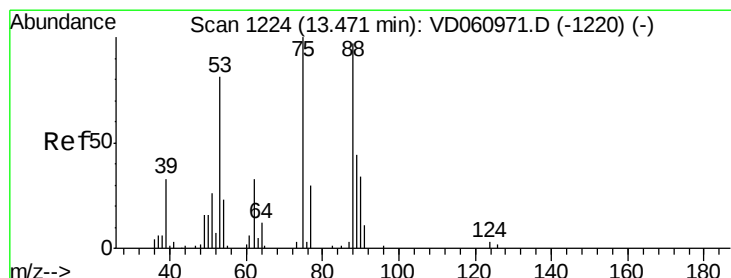
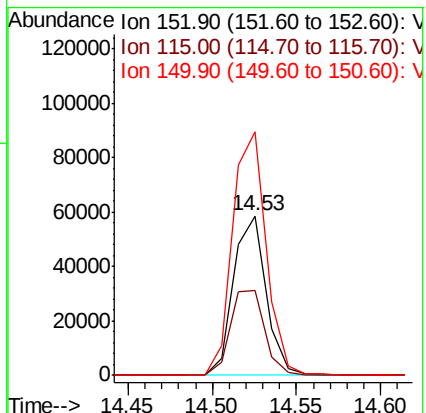
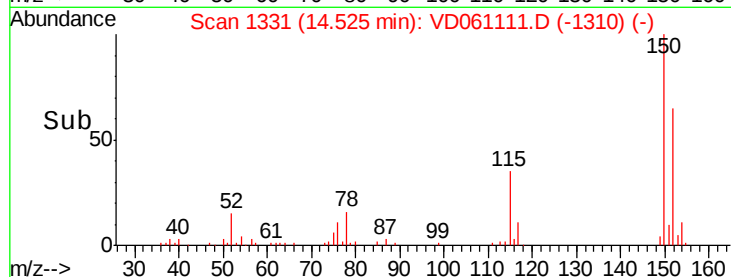
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tgt Ion: 152 Resp: 78718
Ion Ratio Lower Upper
152 100
115 53.4 28.6 85.9
150 153.0 0.0 310.6



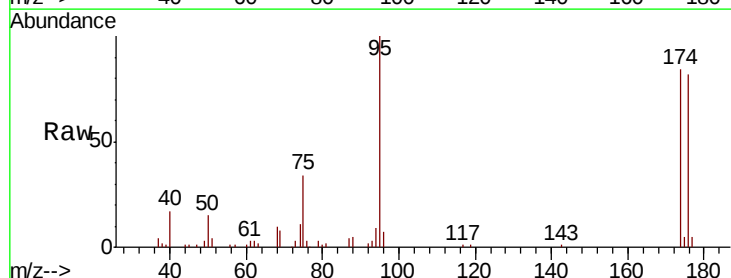
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



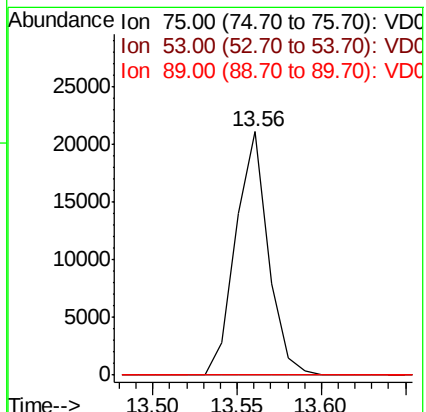
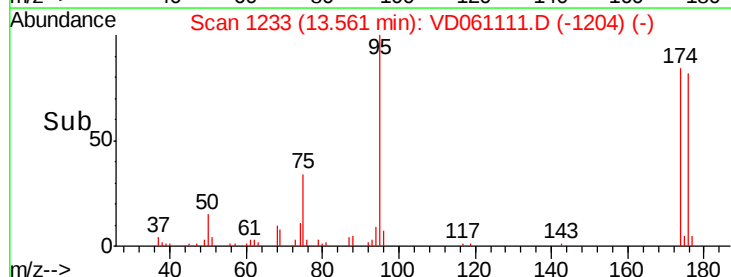
#81

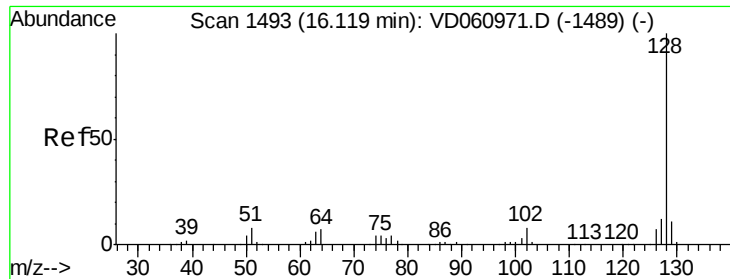
trans-1,4-Dichloro-2-butene
Concen: 84.445 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD061111.D
Acq: 16 Mar 2019 16:04

Tgt Ion: 75 Resp: 28195
Ion Ratio Lower Upper
75 100
53 0.0 64.4 96.6#
89 0.0 34.8 52.2#



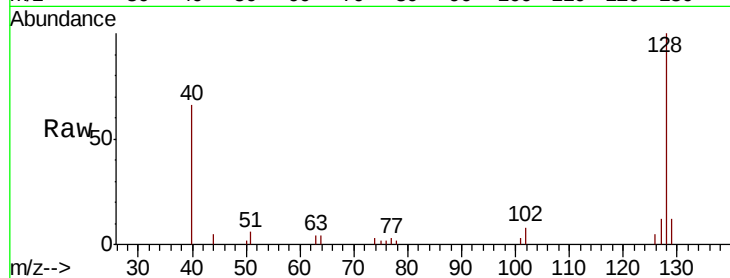
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC





#95
 Naphthalene
 Concen: 13.295 ug/l
 RT: 16.13 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: VD061111.D
 Acq: 16 Mar 2019 16:04

Tgt Ion:	128	Resp:	20204
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	12.1	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

