

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061127.D
 Acq On : 17 Mar 2019 1:16
 Operator : VA/AP
 Sample : K1685-05
 Misc : 7.61g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 18 05:01:30 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	468431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	811591	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	589117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	246843	50.00	ug/l	0.00

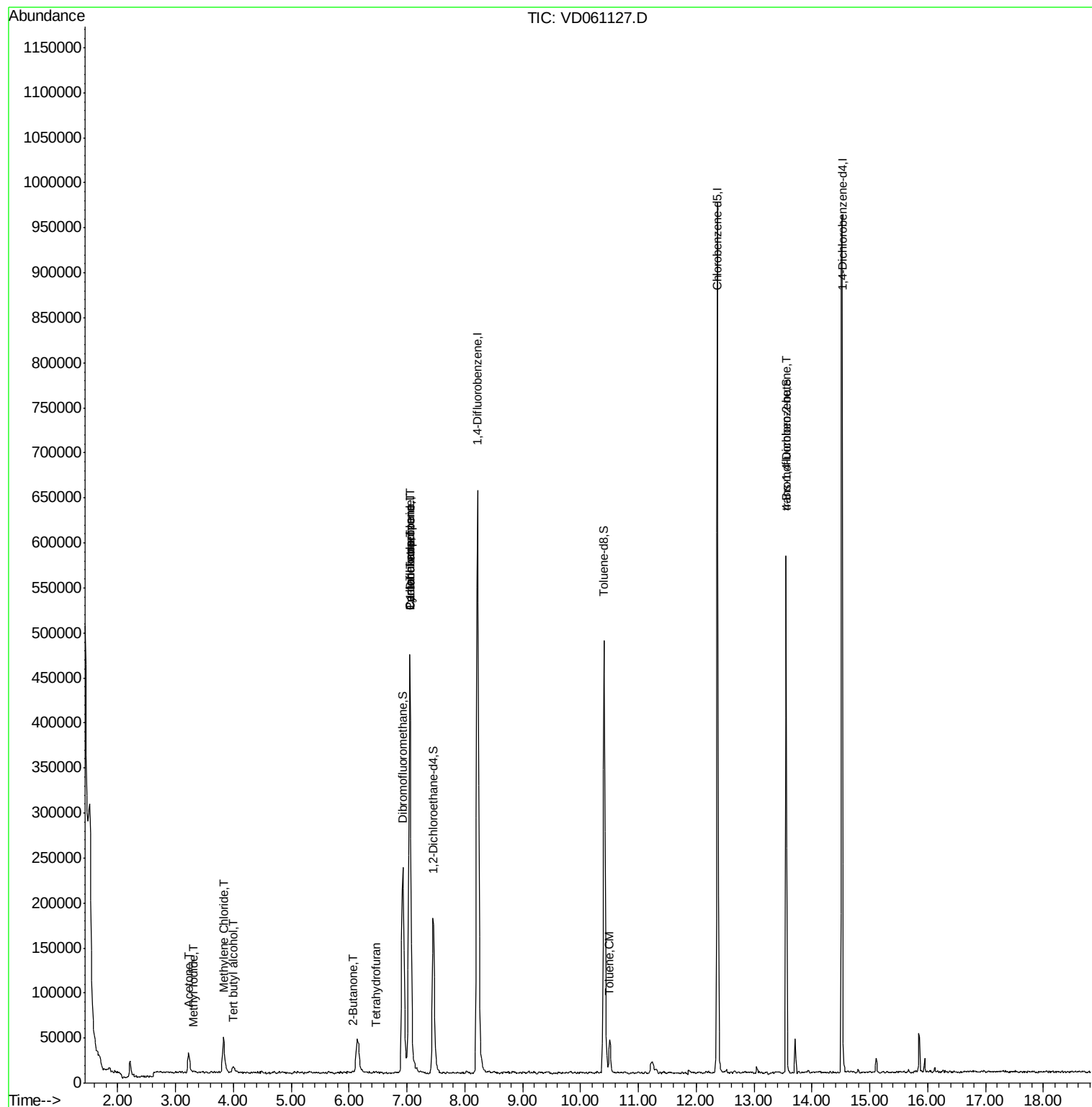
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	163546	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
35) Dibromofluoromethane	6.93	113	241372	40.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.14%	
50) Toluene-d8	10.41	98	442036	29.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.46%	
62) 4-Bromofluorobenzene	13.56	95	178313	30.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.76%	

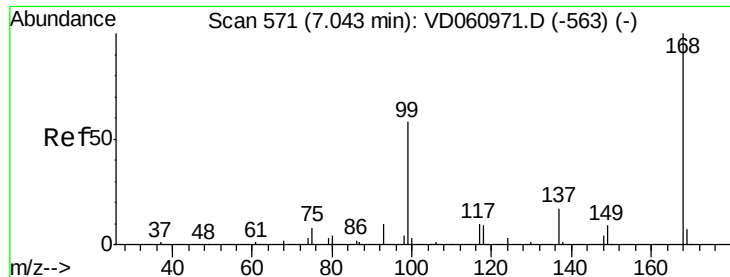
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	2062	3.179	ug/l #	39
11) Tert butyl alcohol	4.00	59	6592	26.556	ug/l #	75
16) Acetone	3.23	43	41808	37.496	ug/l	93
20) Methylene Chloride	3.83	84	30560	1.486	ug/l	96
25) 2-Butanone	6.06	43	2091	1.653	ug/l #	55
29) Tetrahydrofuran	6.47	42	1738	2.530	ug/l #	43
31) Cyclohexane	7.05	56	7316	1.060	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	34675	4.957	ug/l #	48
38) Carbon Tetrachloride	7.05	117	46088	5.981	ug/l #	14
52) Toluene	10.50	92	20279	1.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.56	75	64701	61.797	ug/l #	17

(#) = 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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061127.D

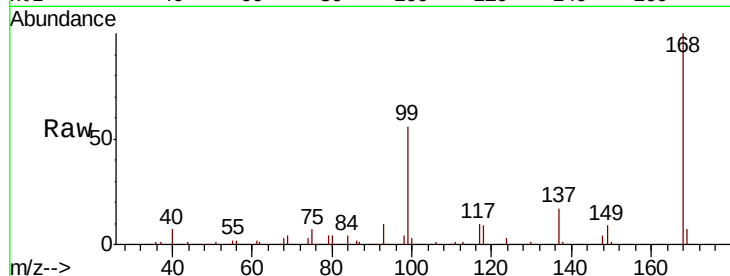
Acq: 17 Mar 2019 1:16

Tgt Ion:168 Resp: 468431

Ion Ratio Lower Upper

168 100

99 56.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

150000

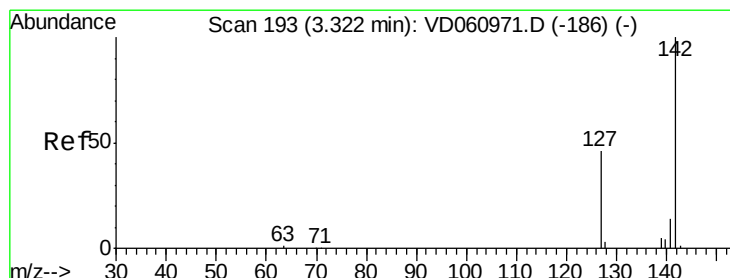
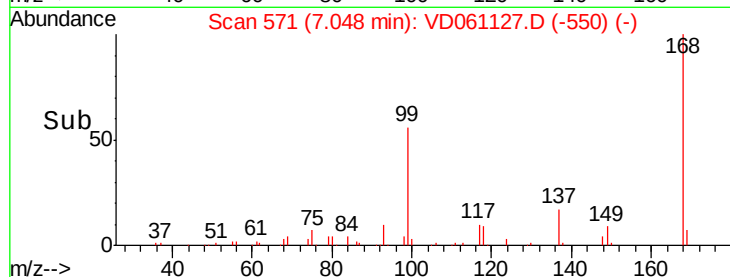
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.179 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061127.D

Acq: 17 Mar 2019 1:16

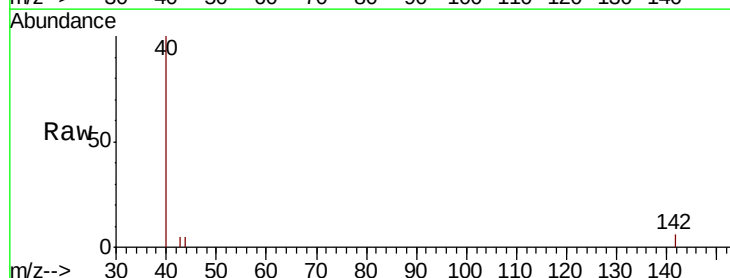
Tgt Ion:142 Resp: 2062

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

3.32

800

600

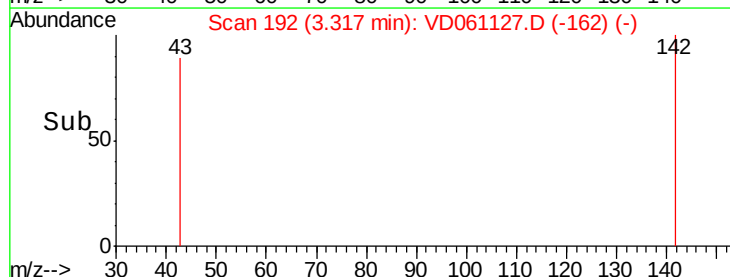
400

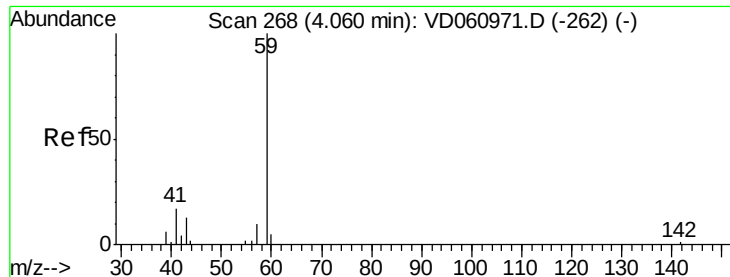
200

0

Time-->

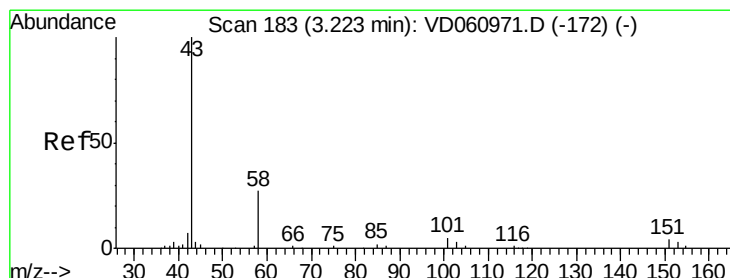
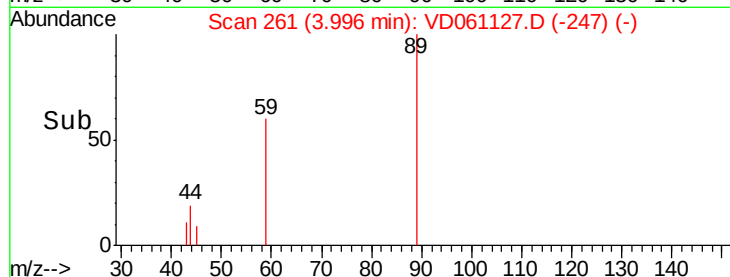
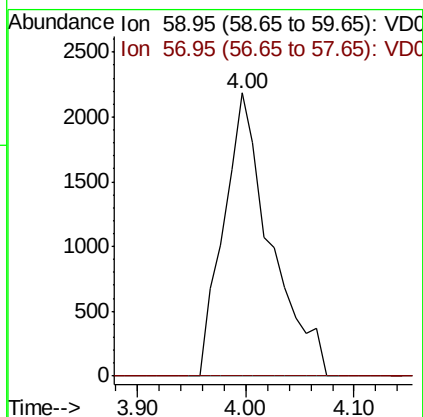
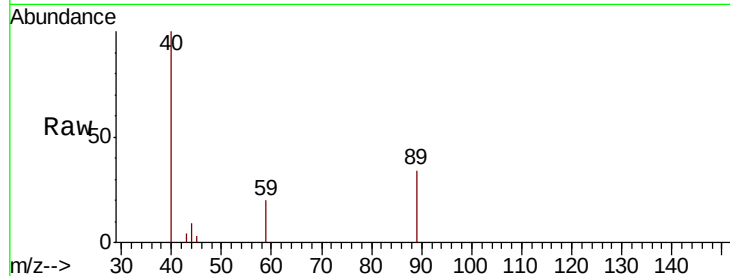
3.25 3.30 3.35 3.40





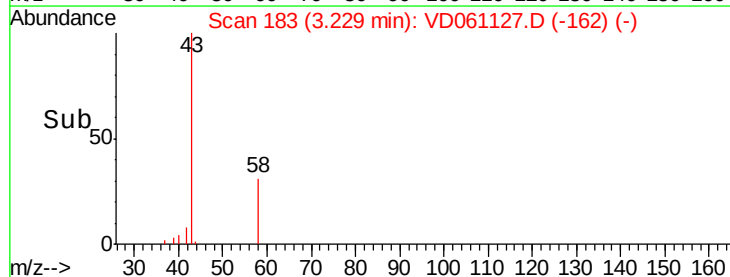
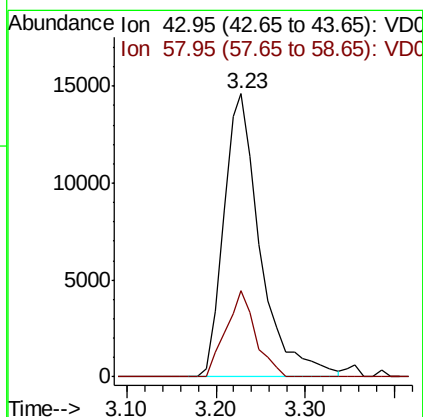
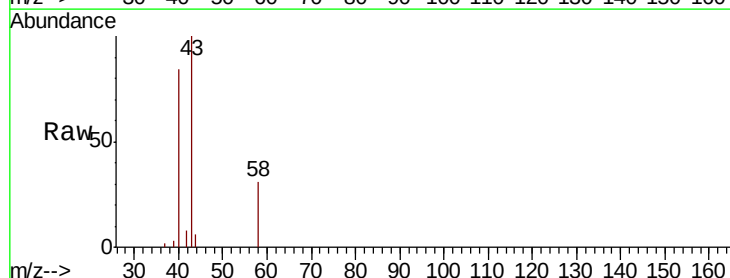
#11
Tert butyl alcohol
Concen: 26.556 ug/l
RT: 4.00 min Scan# 261
Delta R.T. -0.06 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

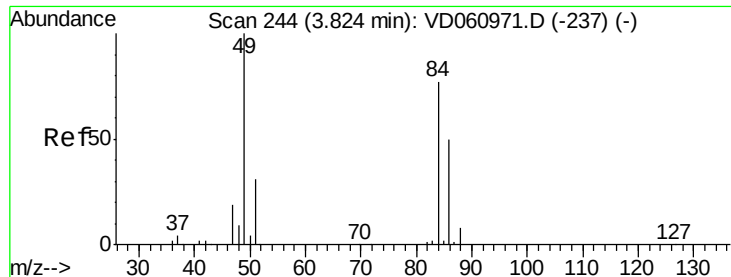
Tgt Ion: 59 Resp: 6592
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



#16
Acetone
Concen: 37.496 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

Tgt Ion: 43 Resp: 41808
Ion Ratio Lower Upper
43 100
58 30.7 21.6 32.4

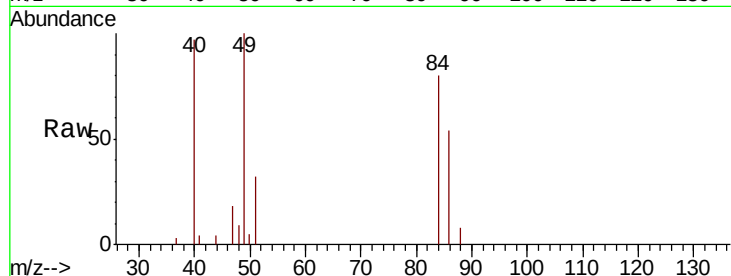




#20
Methylene Chloride
Concen: 1.486 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

Tgt Ion: 84 Resp: 30560

Ion	Ratio	Lower	Upper
84	100		
49	124.4	104.2	156.2
51	39.5	32.3	48.5
86	66.9	52.3	78.5

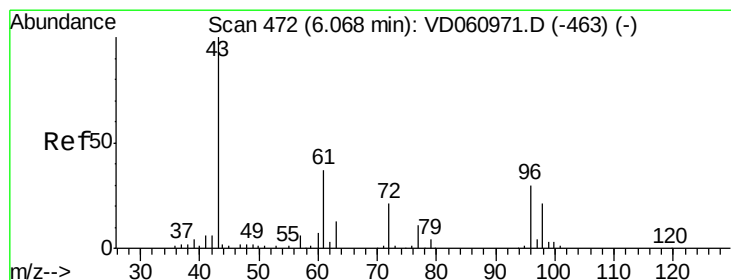
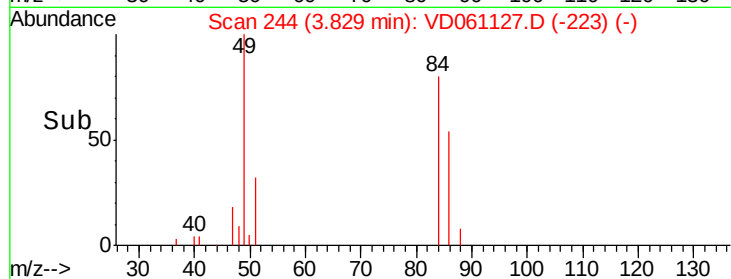
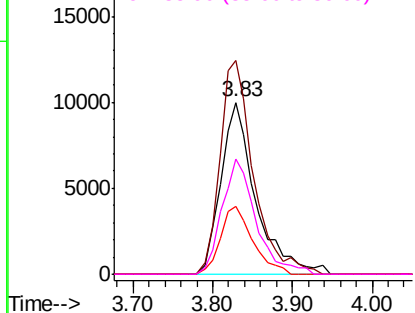


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

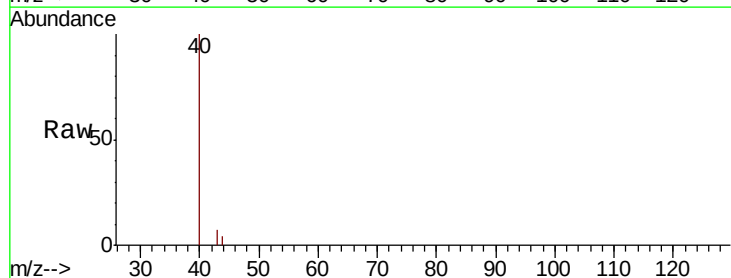
Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 1.653 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.00 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

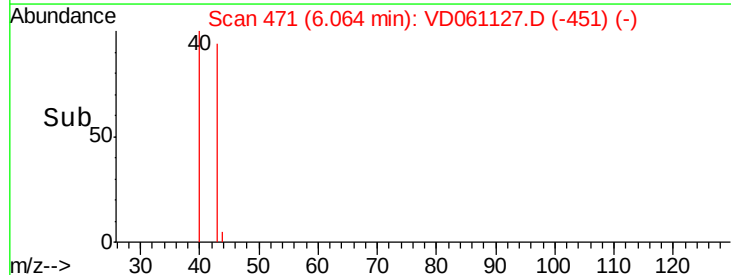
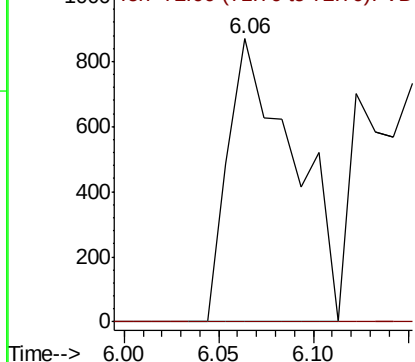
Tgt Ion: 43 Resp: 2091

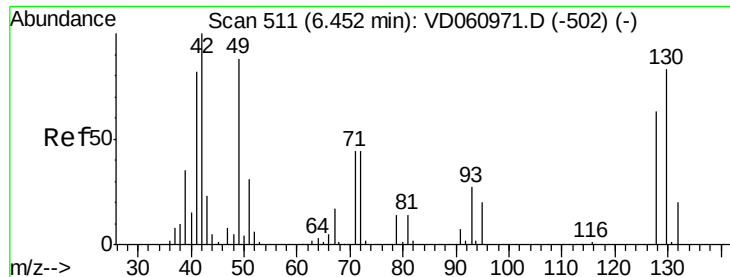
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.7	25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 2.530 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061127.D

Acq: 17 Mar 2019 1:16

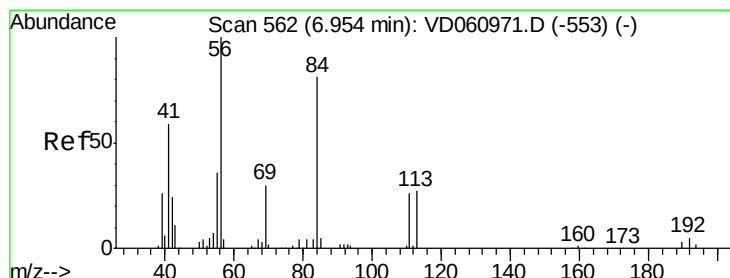
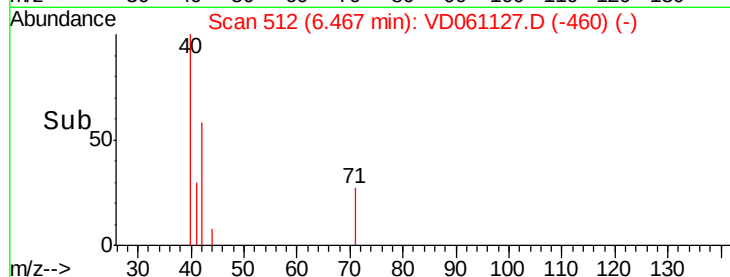
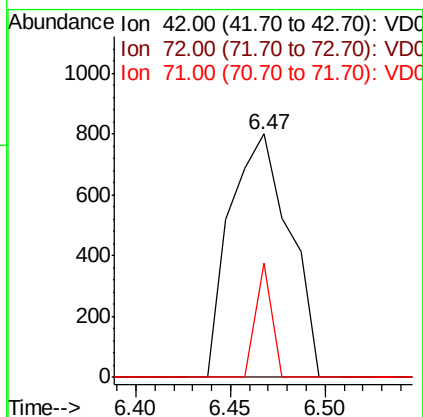
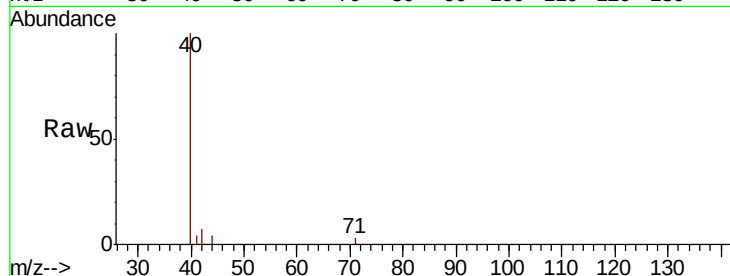
Tgt Ion: 42 Resp: 1738

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 12.8 33.8 50.6#



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061127.D

Acq: 17 Mar 2019 1:16

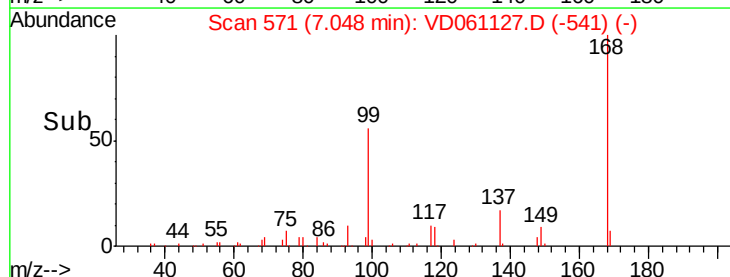
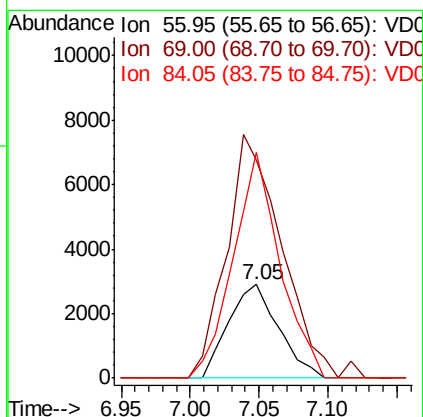
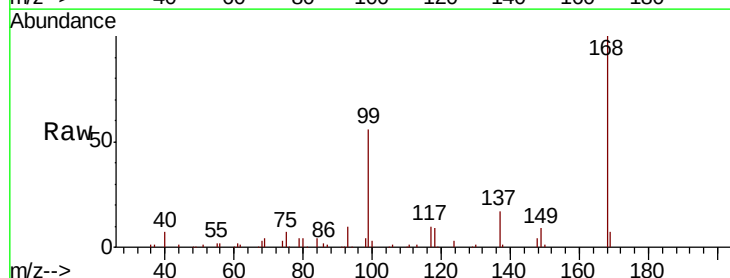
Tgt Ion: 56 Resp: 7316

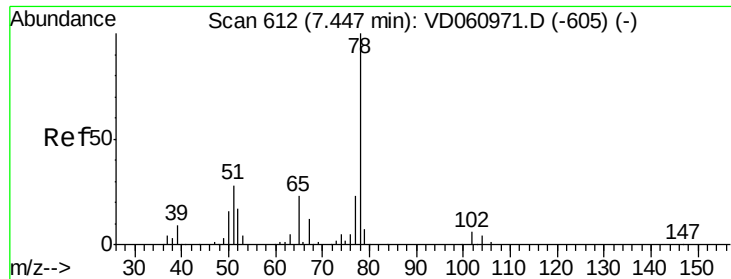
Ion Ratio Lower Upper

56 100

69 232.4 24.0 36.0#

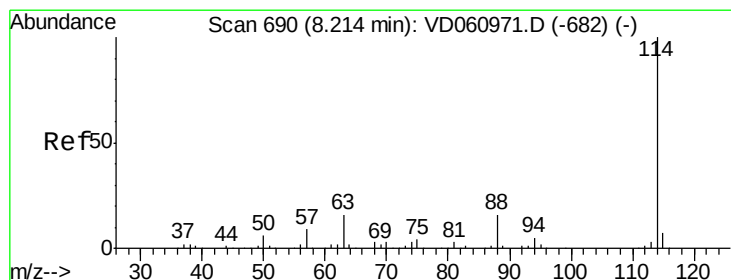
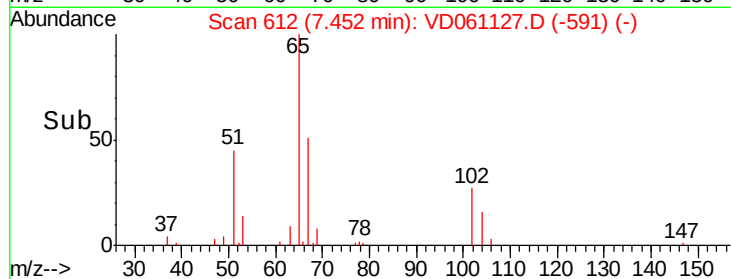
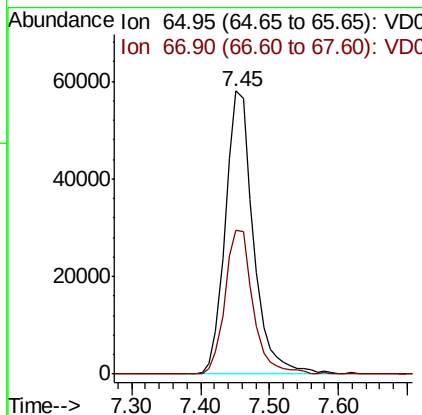
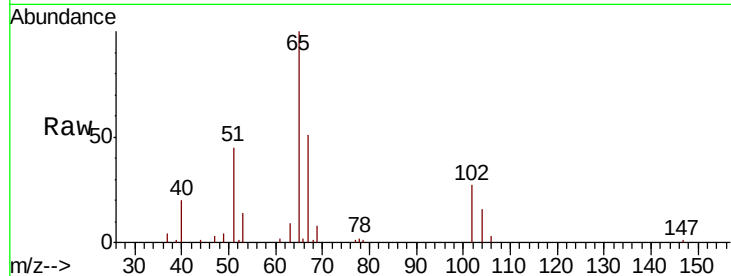
84 241.5 65.8 98.6#





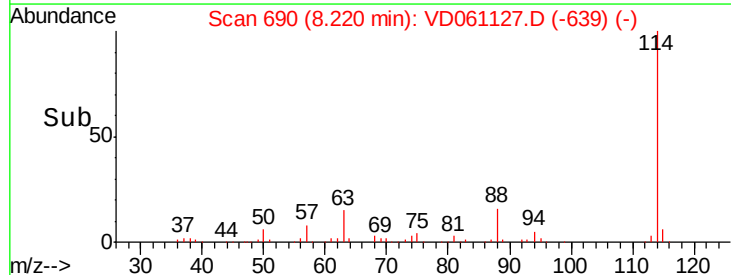
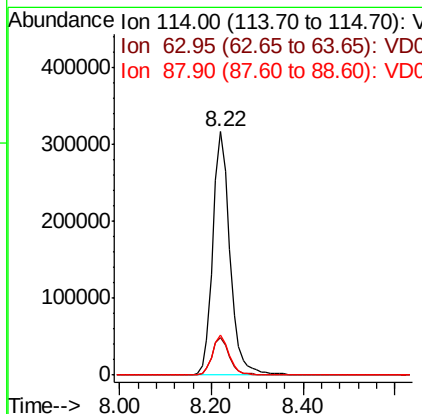
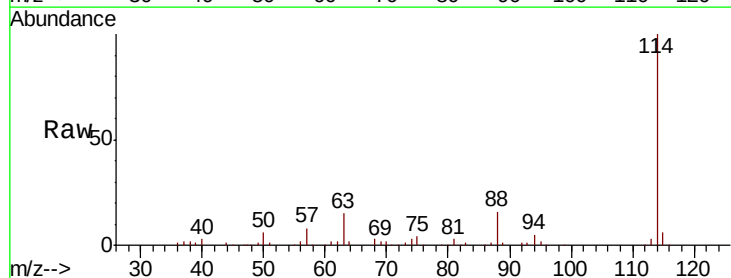
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061127.D
 Acq: 17 Mar 2019 1:16

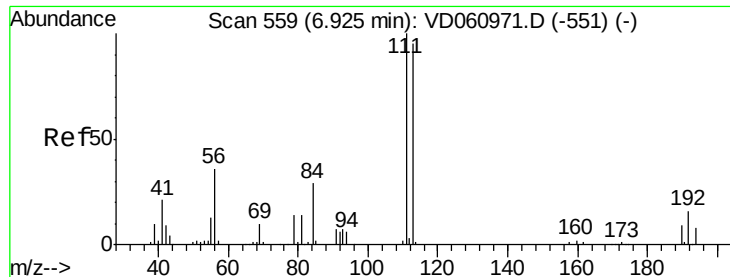
Tgt Ion: 65 Resp: 163546
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061127.D
 Acq: 17 Mar 2019 1:16

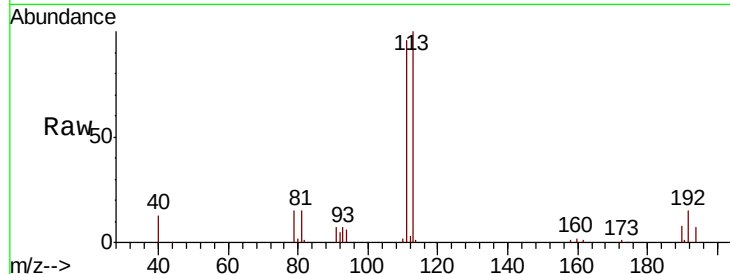
Tgt Ion: 114 Resp: 811591
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 31.4
 88 16.3 0.0 33.0



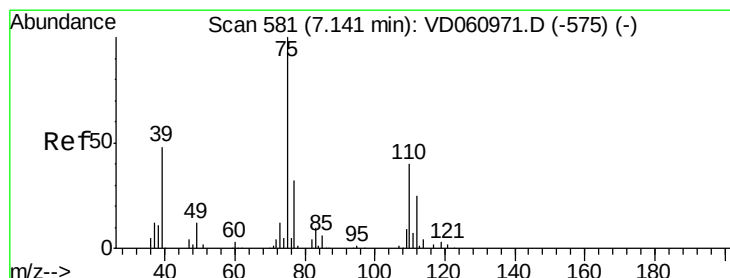
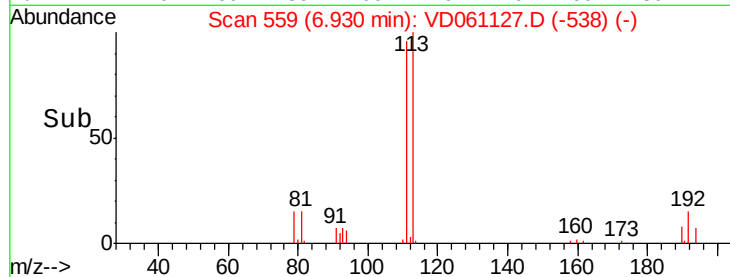
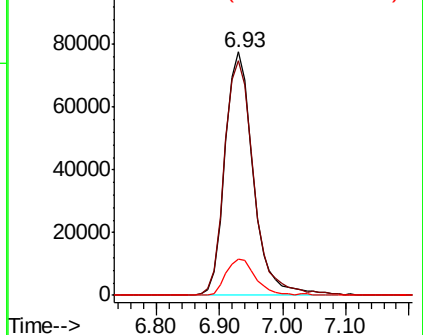


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061127.D
 Acq: 17 Mar 2019 1:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	96.2	84.2	126.4
192	14.8	13.1	19.7

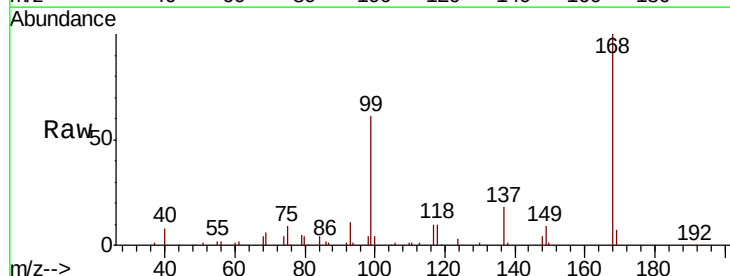


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

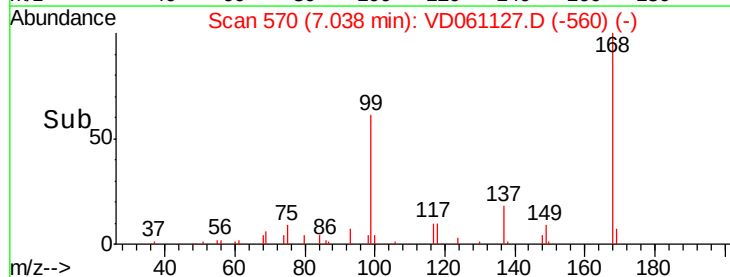
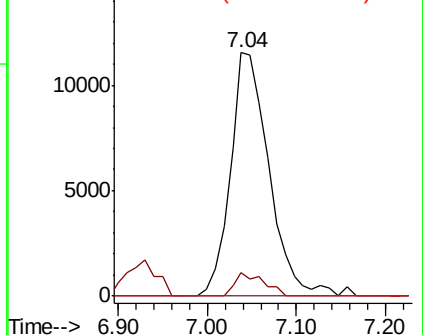


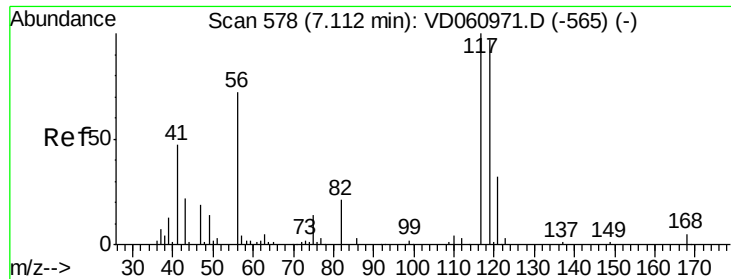
#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD061127.D
 Acq: 17 Mar 2019 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	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: 5.981 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD061127.D

Acq: 17 Mar 2019 1:16

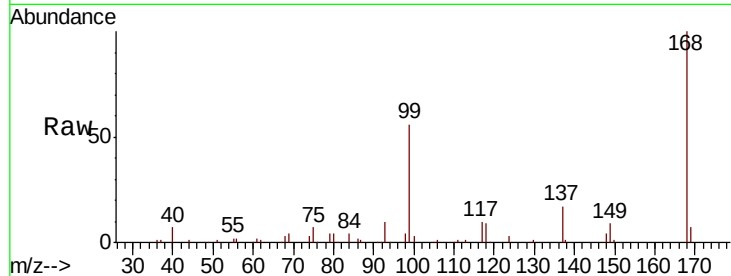
Tgt Ion: 117 Resp: 46088

Ion Ratio Lower Upper

117 100

119 3.5 77.8 116.8#

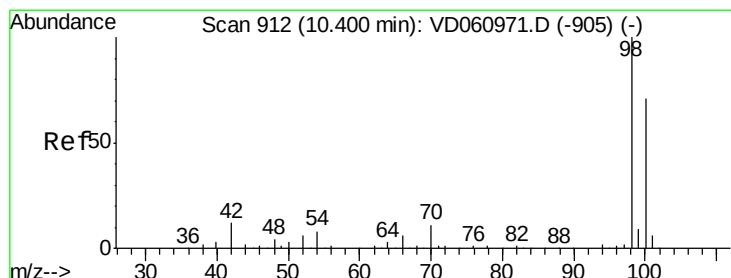
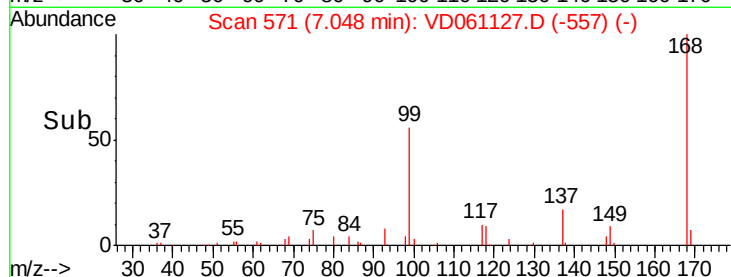
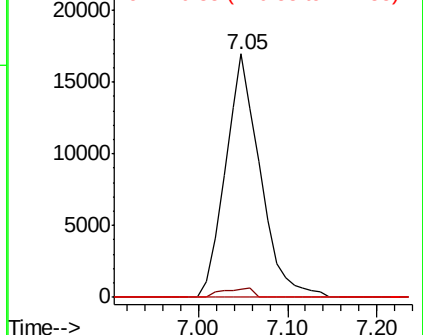
121 0.0 25.3 37.9#



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# 912

Delta R.T. 0.01 min

Lab File: VD061127.D

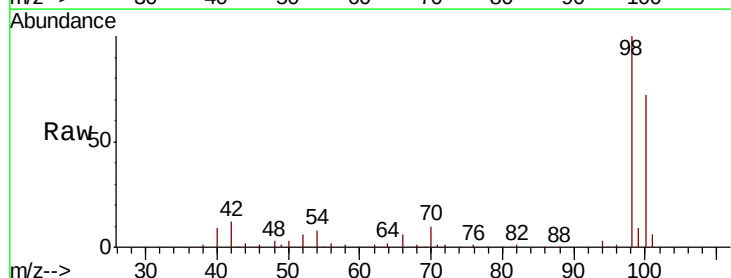
Acq: 17 Mar 2019 1:16

Tgt Ion: 98 Resp: 442036

Ion Ratio Lower Upper

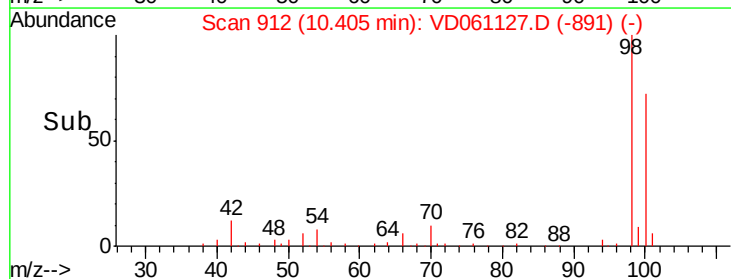
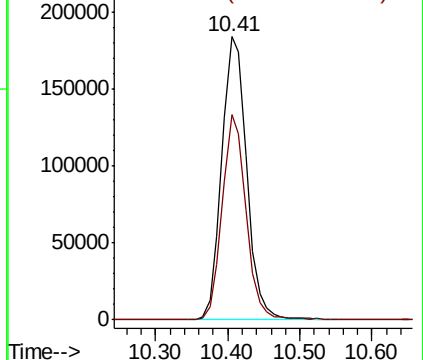
98 100

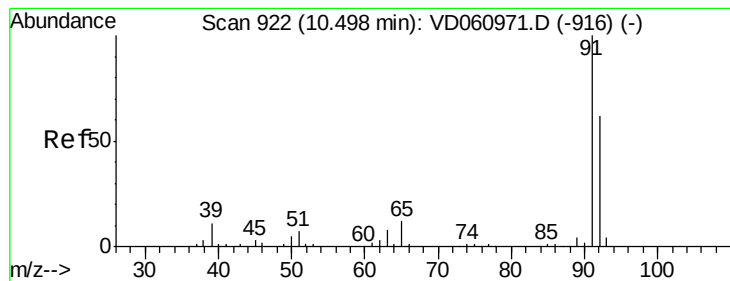
100 72.4 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.866 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061127.D

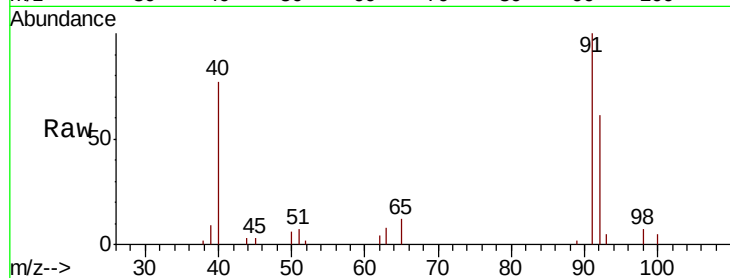
Acq: 17 Mar 2019 1:16

Tgt Ion: 92 Resp: 20279

Ion Ratio Lower Upper

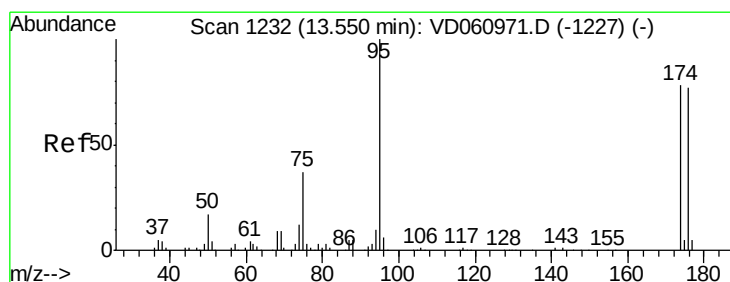
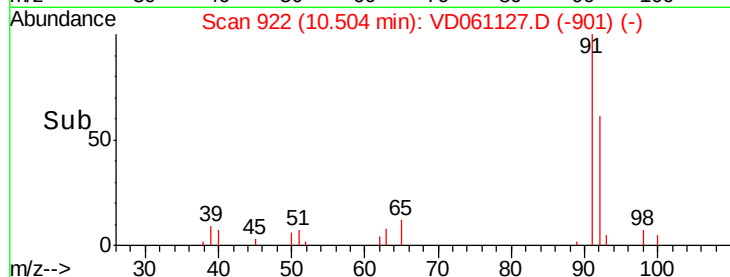
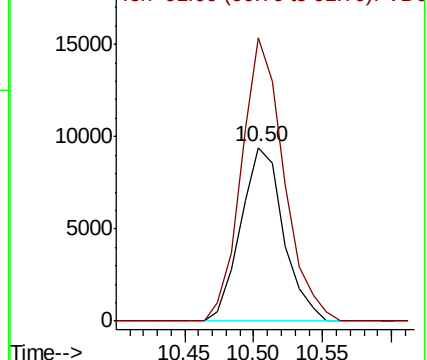
92 100

91 163.4 129.8 194.8



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: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061127.D

Acq: 17 Mar 2019 1:16

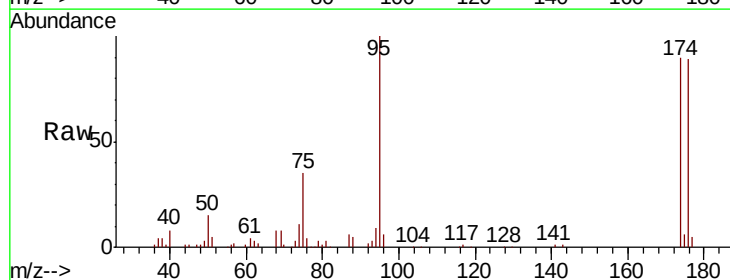
Tgt Ion: 95 Resp: 178313

Ion Ratio Lower Upper

95 100

174 90.0 0.0 155.6

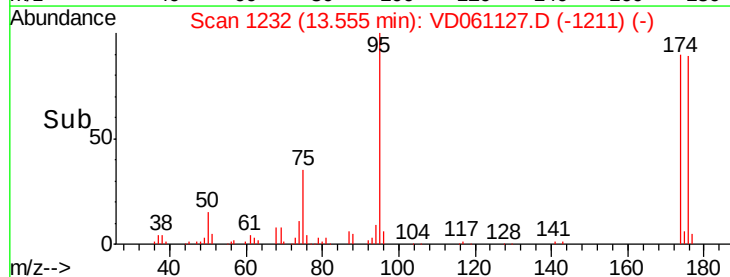
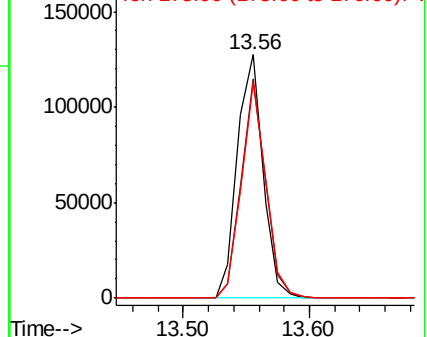
176 88.6 0.0 153.8

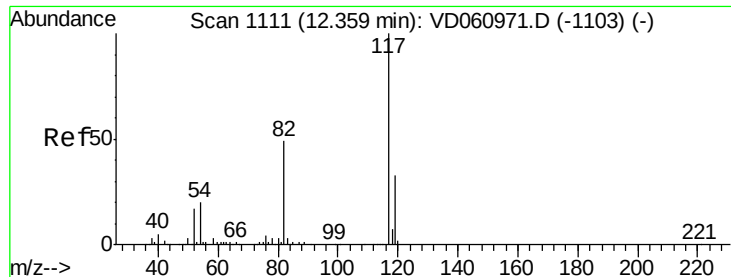


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

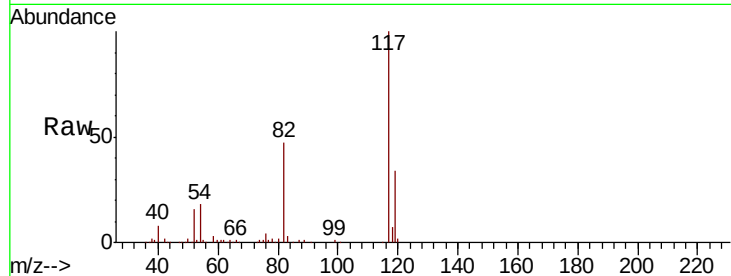
Ion 175.90 (175.60 to 176.60): V



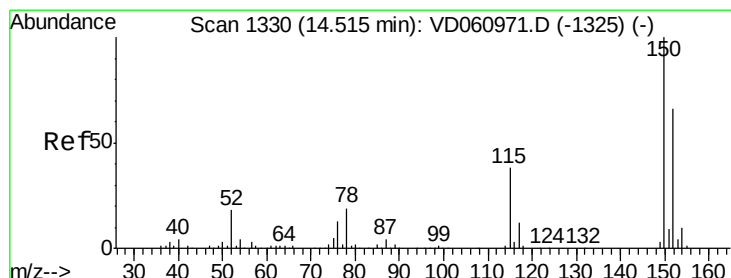
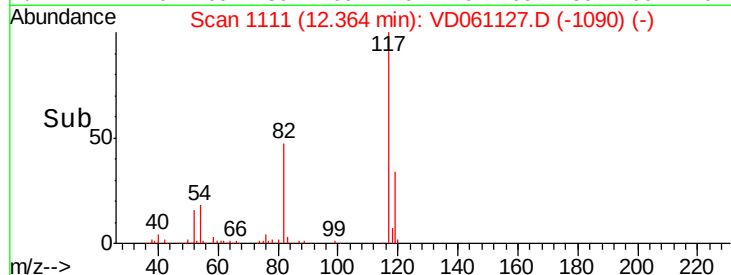
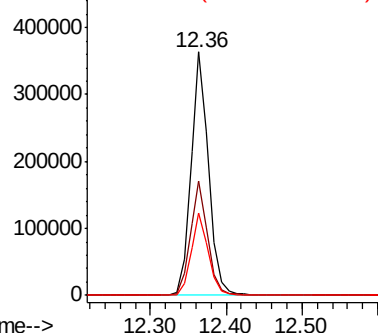


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	47.1	38.9	58.3
119	33.7	26.6	39.8

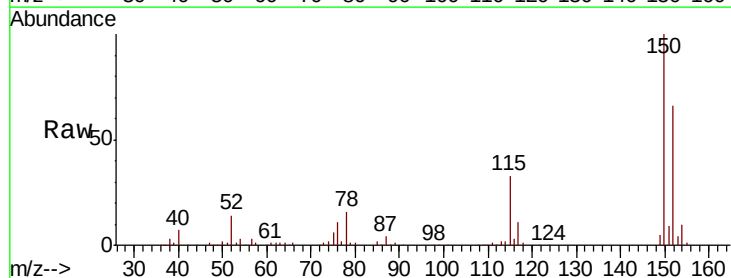


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

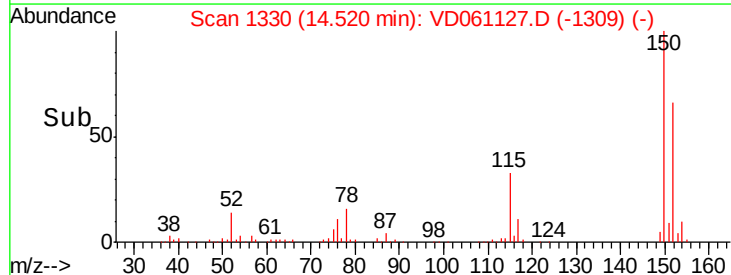
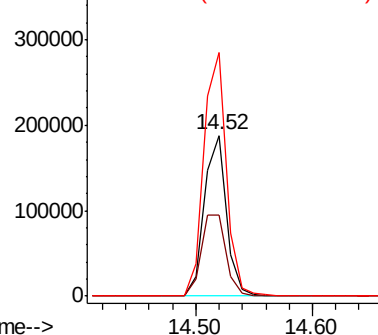


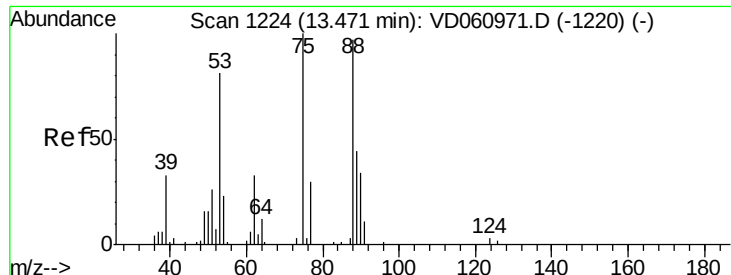
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061127.D
Acq: 17 Mar 2019 1:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.6	28.6	85.9
150	151.5	0.0	310.6



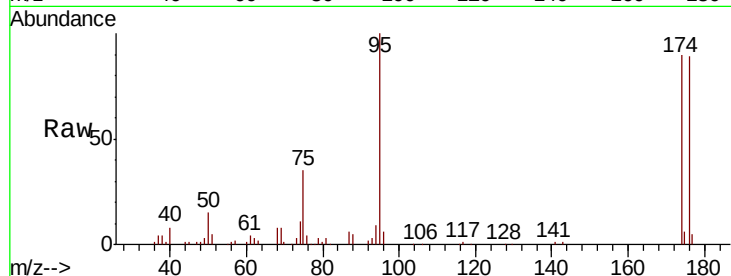
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.797 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061127.D
 Acq: 17 Mar 2019 1:16

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

