

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031619\
 Data File : VD061120.D
 Acq On : 16 Mar 2019 20:12
 Operator : VA/AP
 Sample : K1685-01
 Misc : 6.07g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

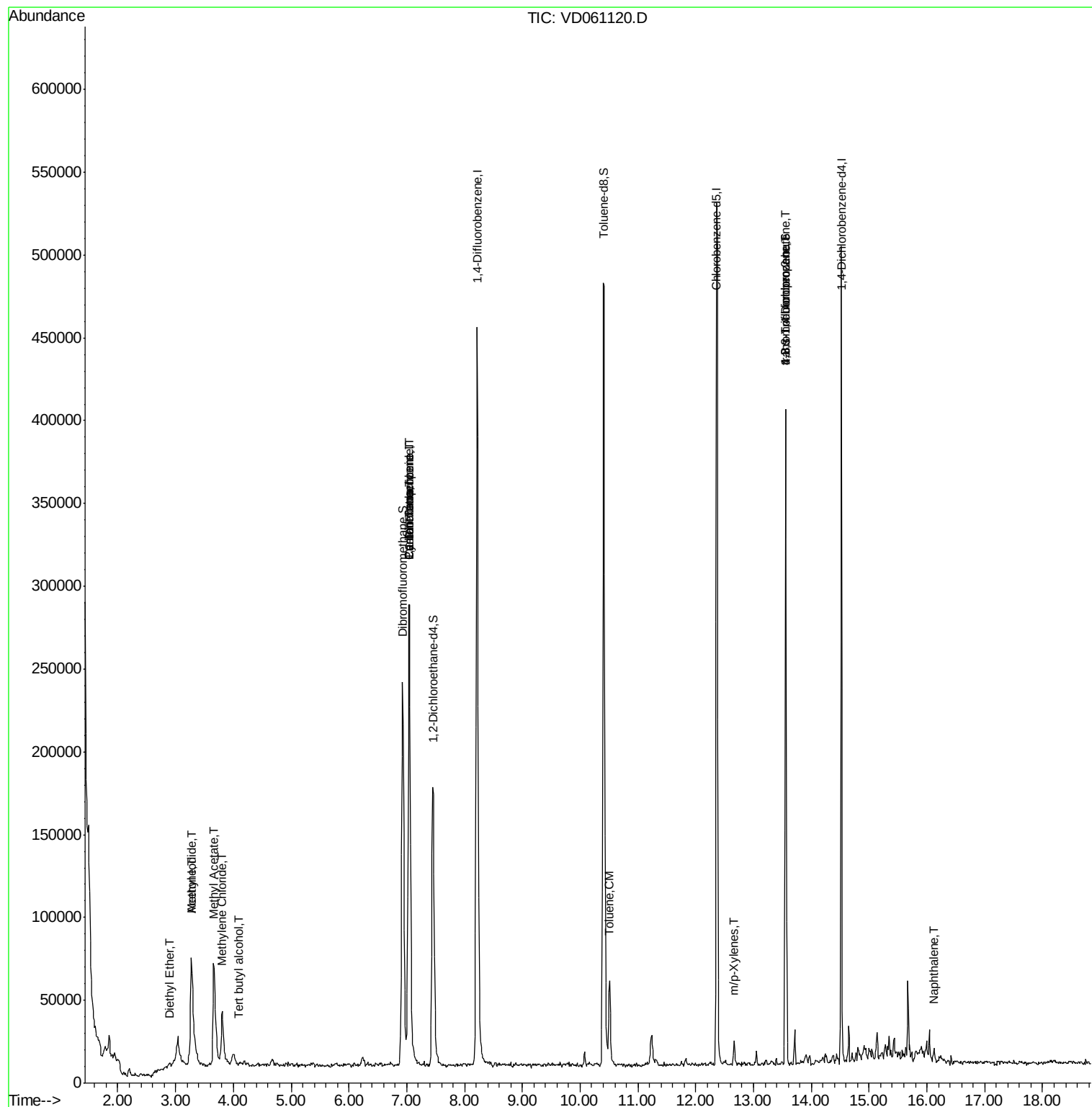
Quant Time: Mar 18 02:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

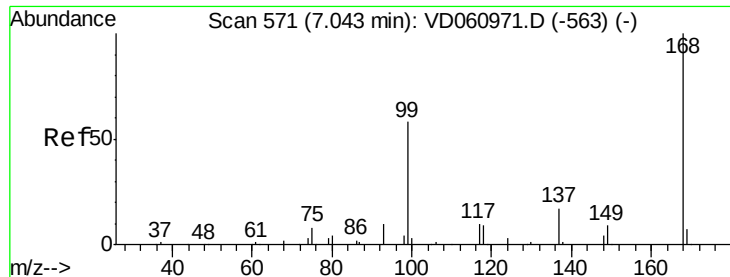
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	301451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	564441	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	365467	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	107691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	171781	68.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.92%	
35) Dibromofluoromethane	6.93	113	234628	56.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.02%	
50) Toluene-d8	10.41	98	438556	41.69	ug/l	0.01
Spiked Amount 50.000			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	13.55	95	130485	31.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.94%	
Target Compounds						
8) Diethyl Ether	2.89	74	1378	1.265	ug/l	92
10) Methyl Iodide	3.28	142	763	3.075	ug/l #	39
11) Tert butyl alcohol	4.10	59	442	2.767	ug/l #	75
16) Acetone	3.28	43	157805	219.926	ug/l	97
18) Methyl Acetate	3.67	43	133552	94.577	ug/l	93
20) Methylene Chloride	3.81	84	27187	4.021	ug/l	88
31) Cyclohexane	7.05	56	5247	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	22755	4.677	ug/l #	47
38) Carbon Tetrachloride	7.04	117	28644	5.345	ug/l #	16
52) Toluene	10.51	92	28472	3.766	ug/l	92
68) m/p-Xylenes	12.66	106	5189	1.239	ug/l	90
76) 1,2,3-Trichloropropane	13.55	75	37480	24.191	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	47193	103.318	ug/l #	17
95) Naphthalene	16.12	128	3351	1.612	ug/l	98

(#) = 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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061120.D

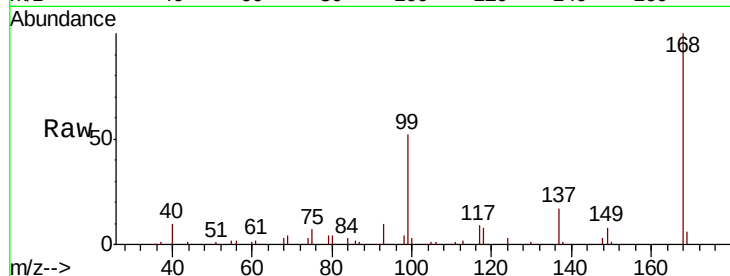
Acq: 16 Mar 2019 20:12

Tgt Ion: 168 Resp: 301451

Ion Ratio Lower Upper

168 100

99 51.9 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

120000

100000

80000

60000

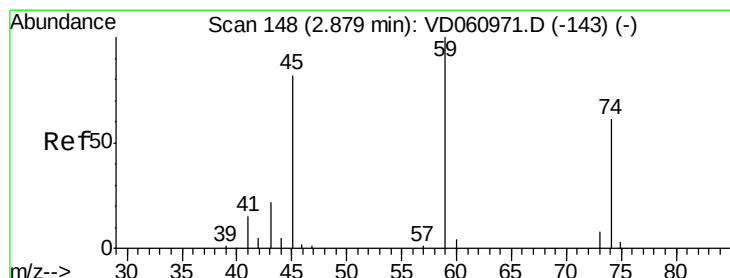
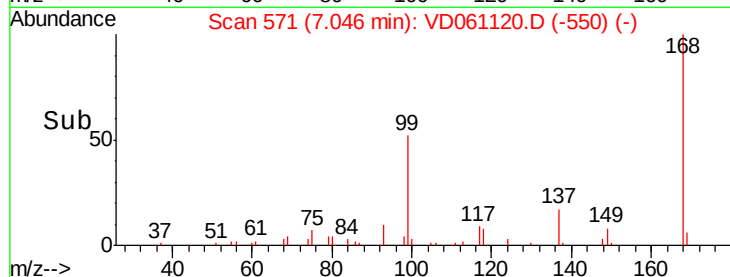
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 2.89 min Scan# 149

Delta R.T. 0.01 min

Lab File: VD061120.D

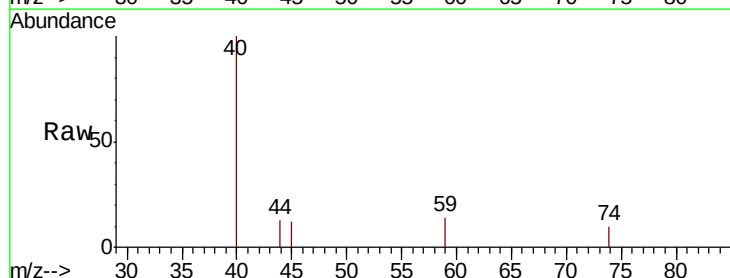
Acq: 16 Mar 2019 20:12

Tgt Ion: 74 Resp: 1378

Ion Ratio Lower Upper

74 100

45 124.3 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.89

1000

800

600

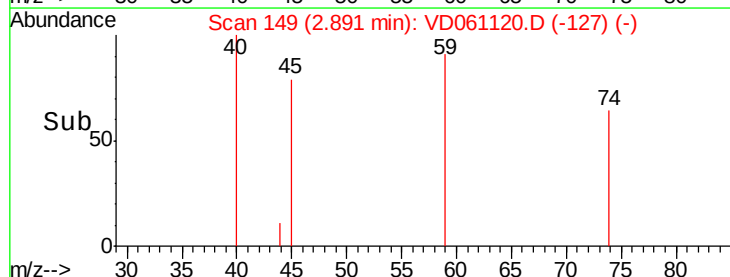
400

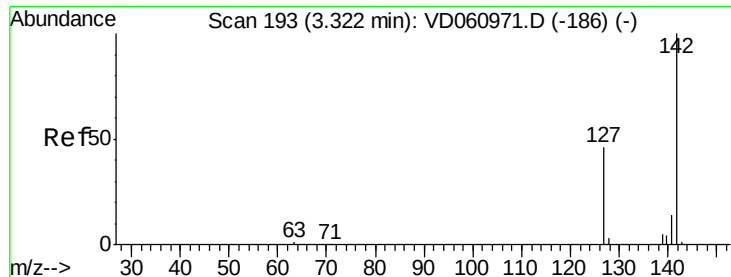
200

0

Time-->

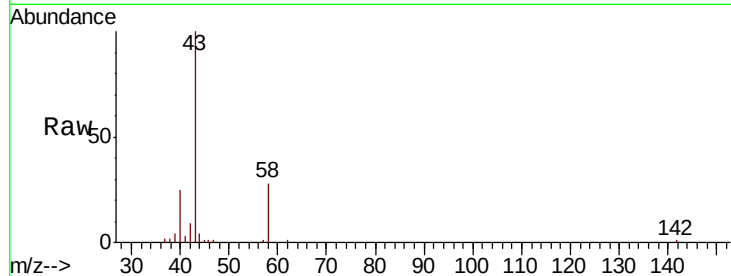
2.85 2.90



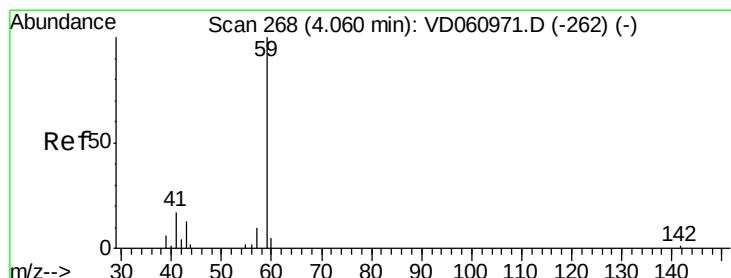
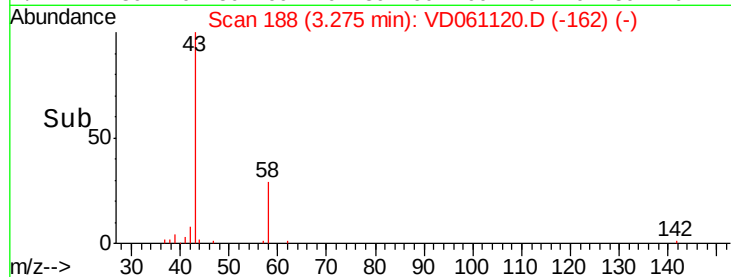
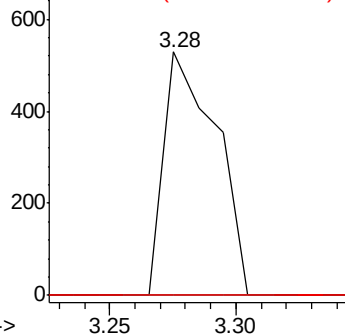


#10
Methyl Iodide
Concen: 3.075 ug/l
RT: 3.28 min Scan# 188
Delta R.T. -0.05 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion: 142 Resp: 763
Ion Ratio Lower Upper
142 100
127 0.0 36.8 55.2#
141 0.0 11.2 16.8#

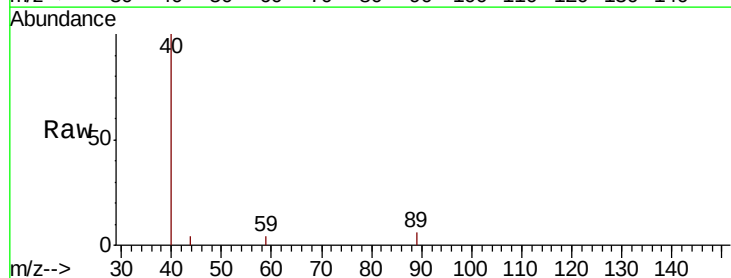


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

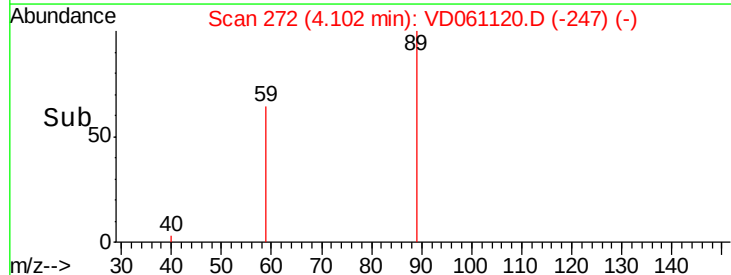
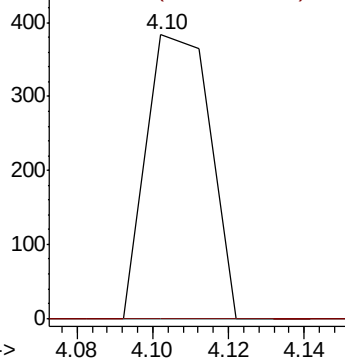


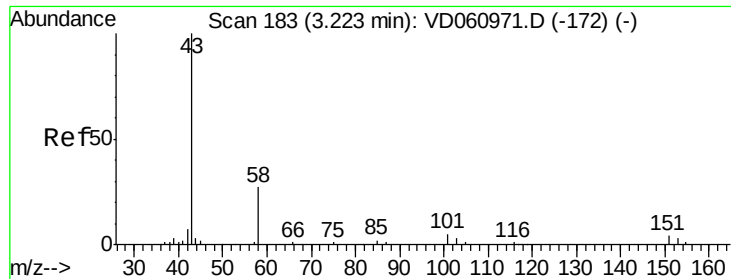
#11
Tert butyl alcohol
Concen: 2.767 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.04 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#



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





#16

Acetone

Concen: 219.926 ug/l

RT: 3.28 min Scan# 188

Delta R.T. 0.05 min

Lab File: VD061120.D

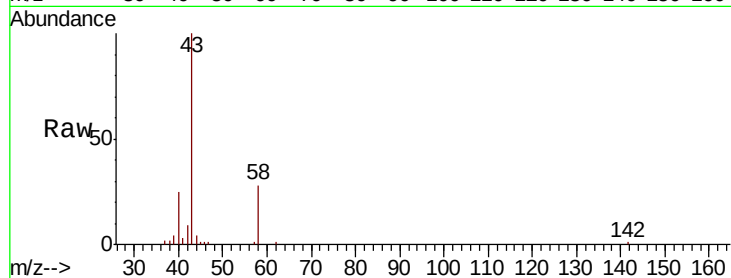
Acq: 16 Mar 2019 20:12

Tgt Ion: 43 Resp: 157805

Ion Ratio Lower Upper

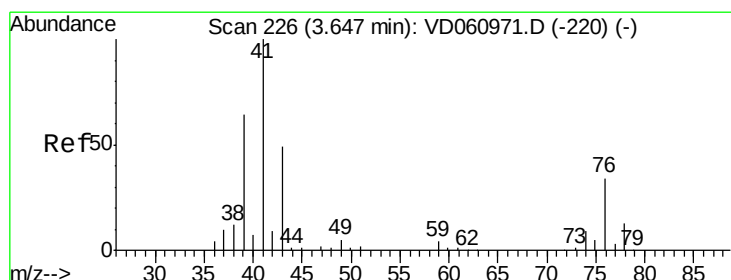
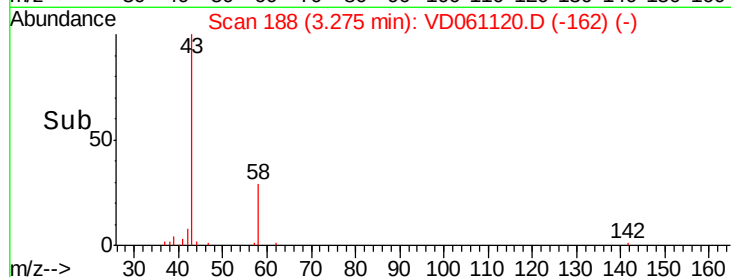
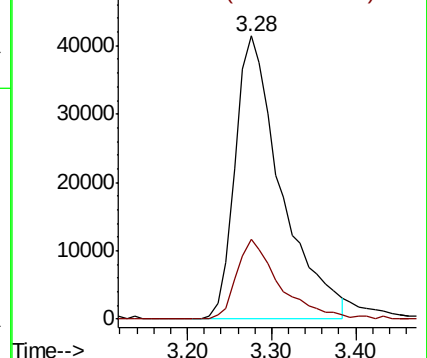
43 100

58 28.3 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: 94.577 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD061120.D

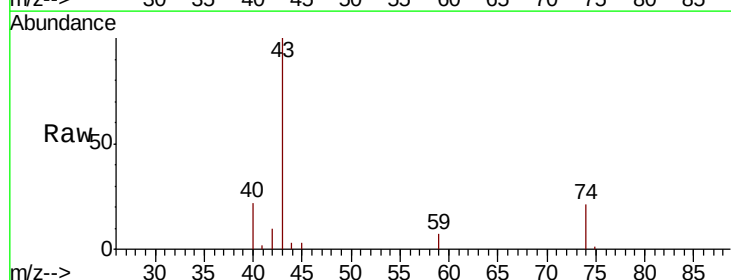
Acq: 16 Mar 2019 20:12

Tgt Ion: 43 Resp: 133552

Ion Ratio Lower Upper

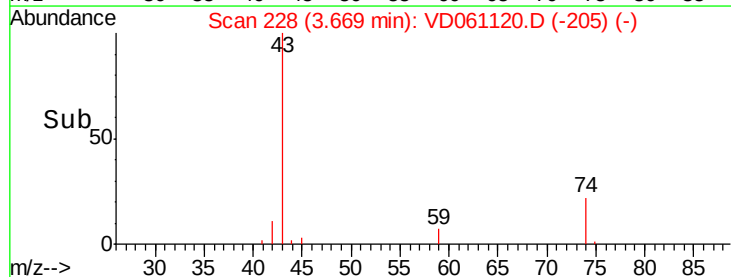
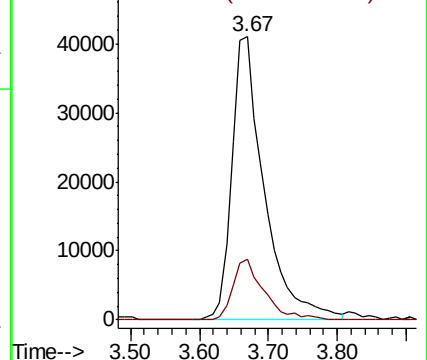
43 100

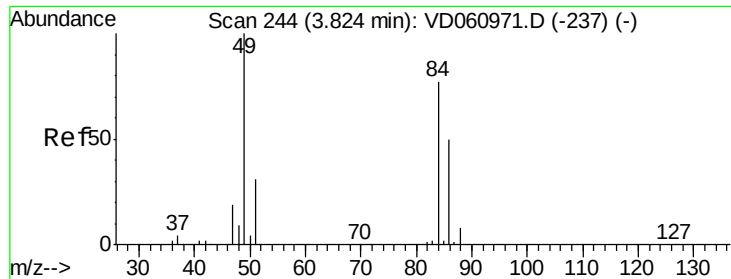
74 21.3 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

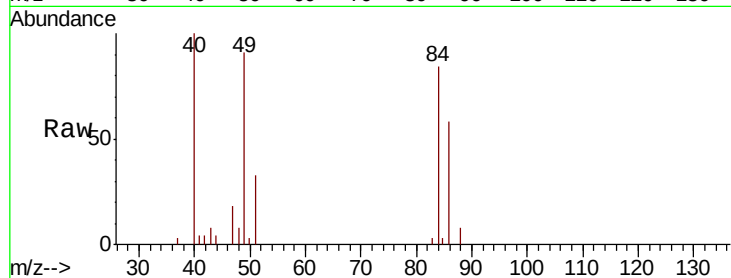
Ion 74.00 (73.70 to 74.70): VDC



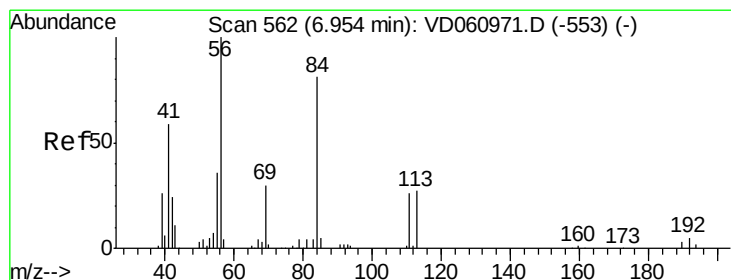
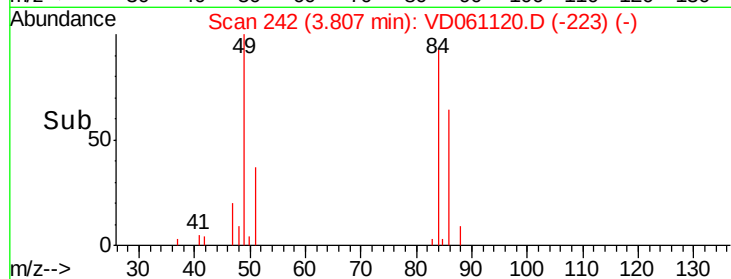
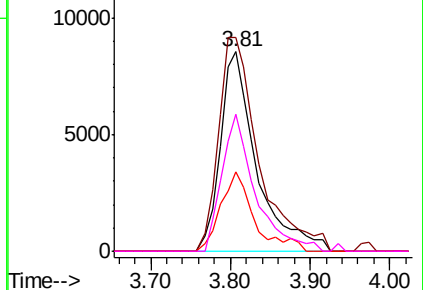


#20
Methylene Chloride
Concen: 4.021 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion:	84	Resp:	27187
Ion	Ratio	Lower	Upper
84	100		
49	107.2	104.2	156.2
51	39.6	32.3	48.5
86	68.6	52.3	78.5

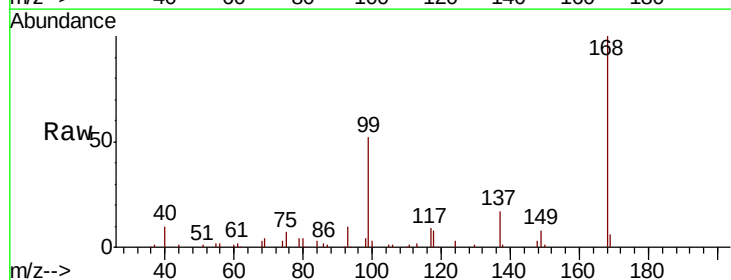


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

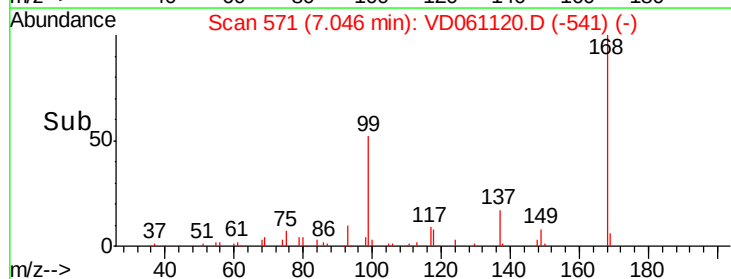
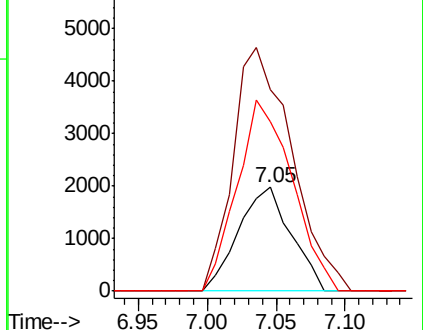


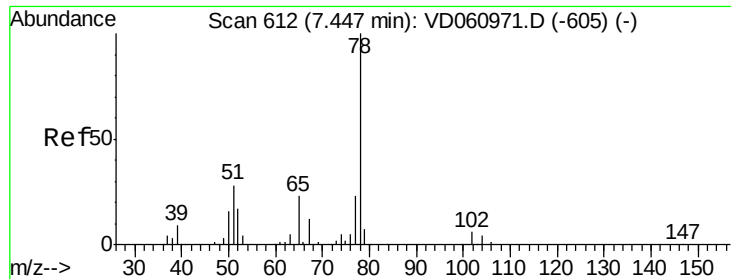
#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion:	56	Resp:	5247
Ion	Ratio	Lower	Upper
56	100		
69	193.9	24.0	36.0#
84	163.7	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# 612

Delta R.T. 0.00 min

Lab File: VD061120.D

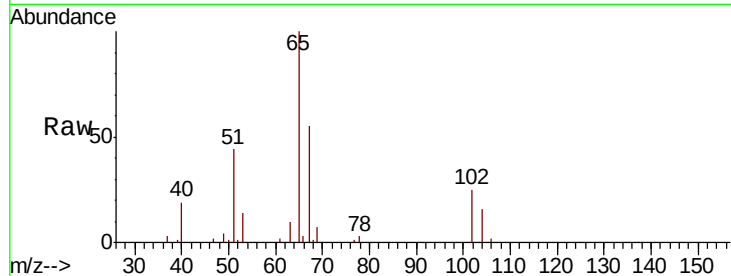
Acq: 16 Mar 2019 20:12

Tgt Ion: 65 Resp: 171781

Ion Ratio Lower Upper

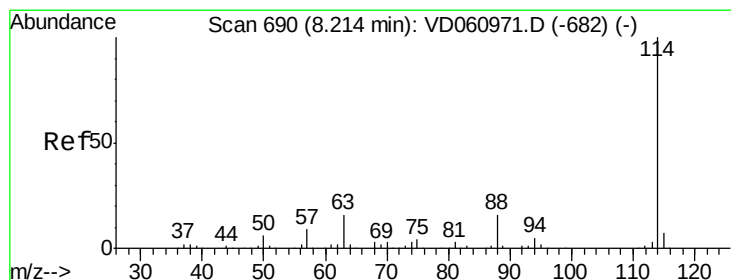
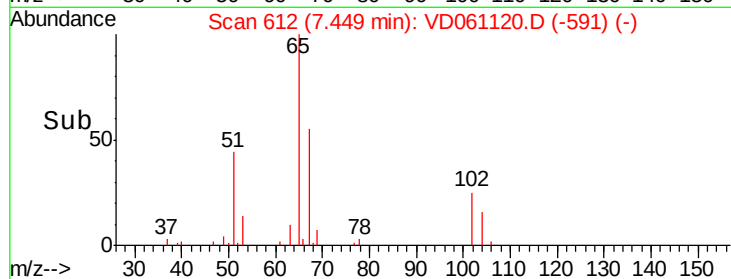
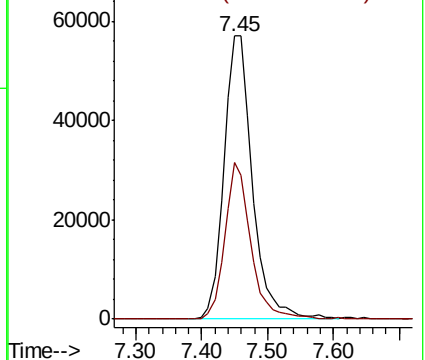
65 100

67 55.2 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# 690

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

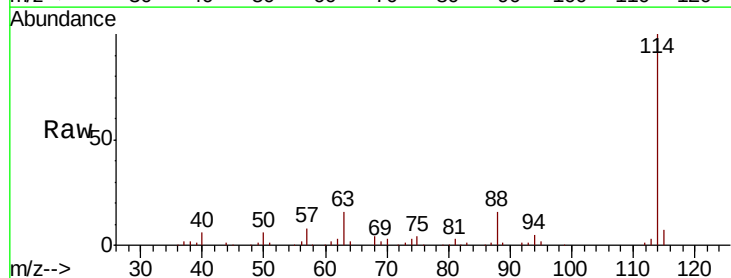
Tgt Ion: 114 Resp: 564441

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

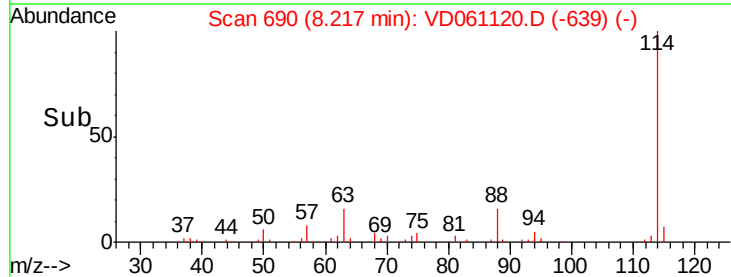
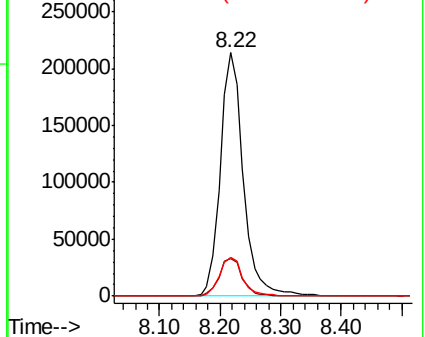
88 16.2 0.0 33.0

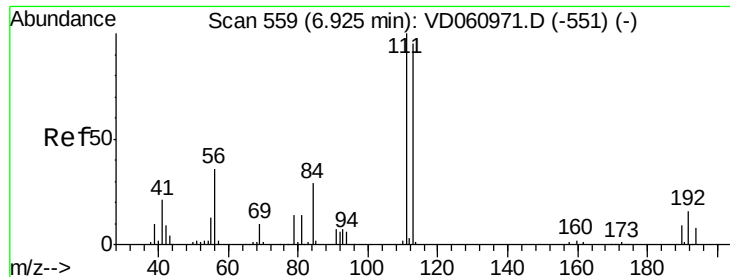


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

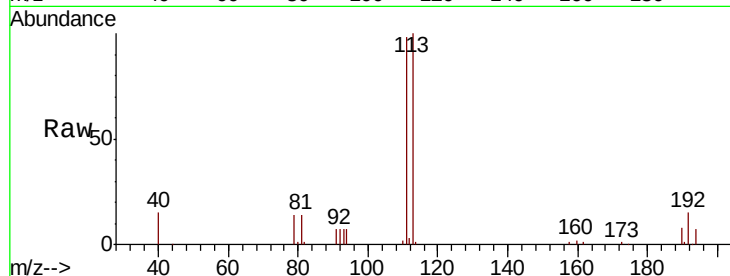
Tgt Ion: 113 Resp: 234628

Ion Ratio Lower Upper

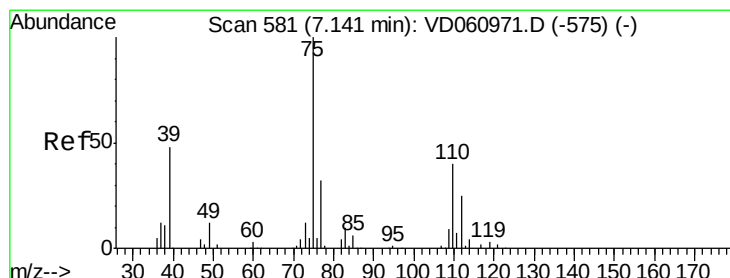
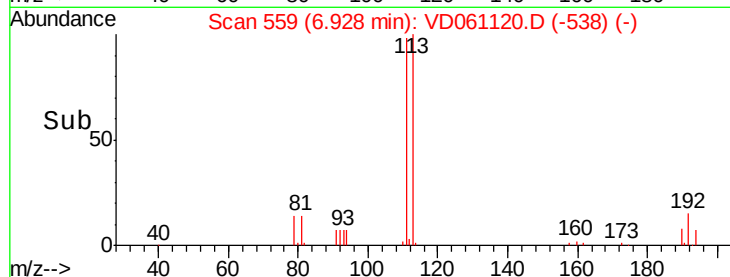
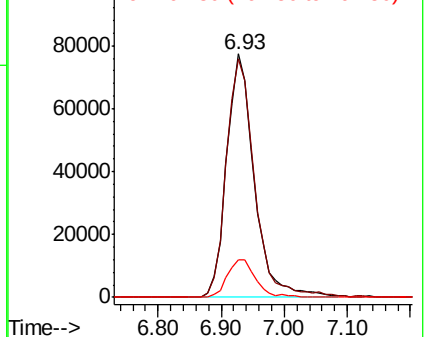
113 100

111 98.2 84.2 126.4

192 15.3 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: 4.677 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

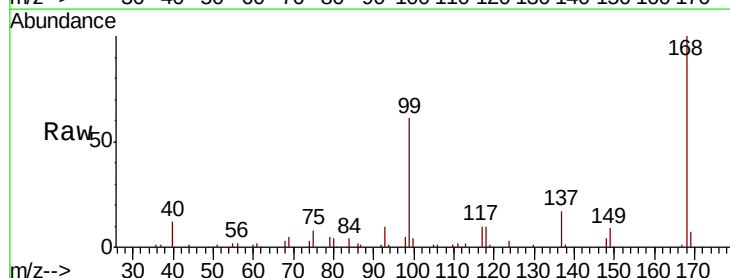
Tgt Ion: 75 Resp: 22755

Ion Ratio Lower Upper

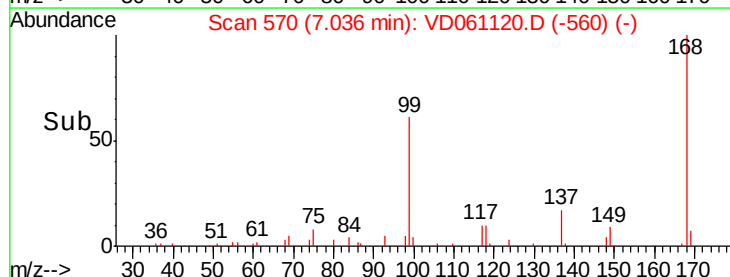
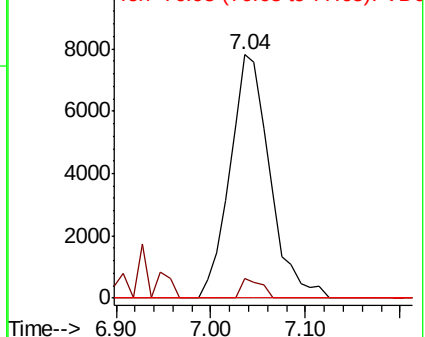
75 100

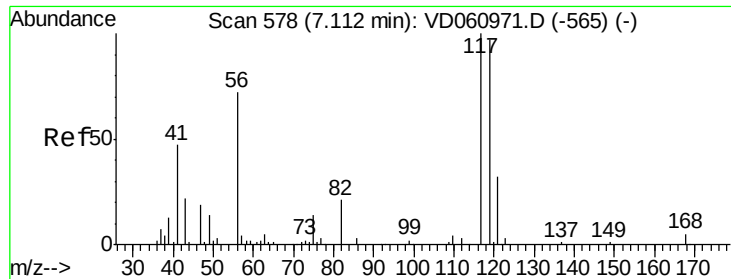
110 8.0 19.7 59.1#

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: 5.345 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

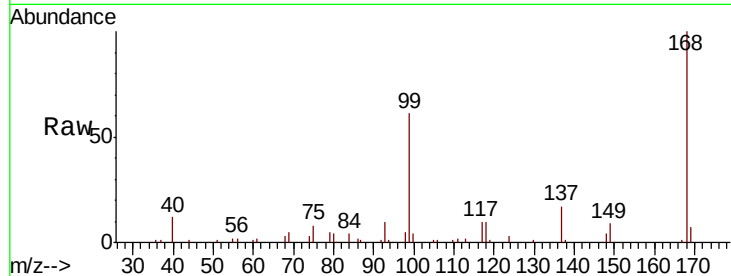
Tgt Ion: 117 Resp: 28644

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.8#

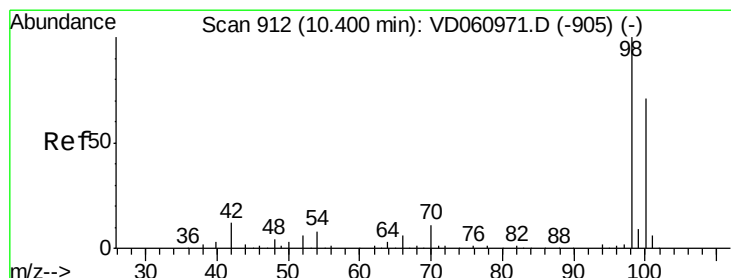
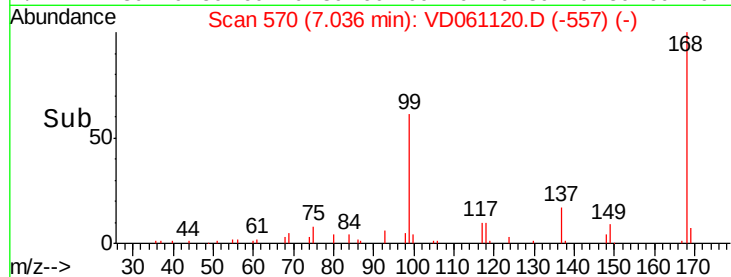
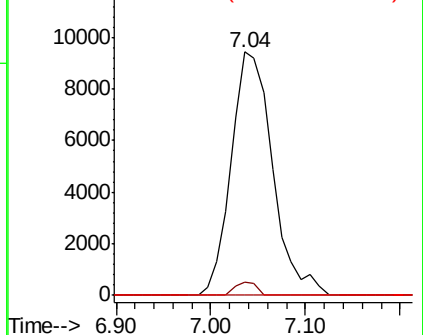
121 0.0 25.3 37.9#



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: VD061120.D

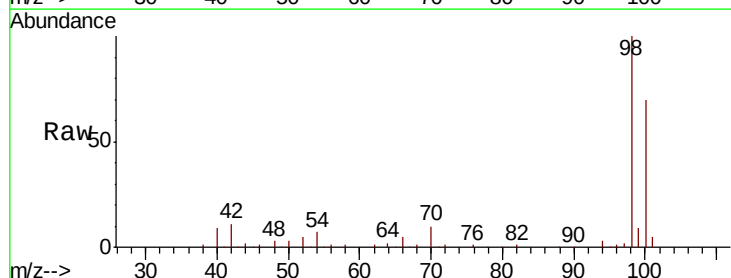
Acq: 16 Mar 2019 20:12

Tgt Ion: 98 Resp: 438556

Ion Ratio Lower Upper

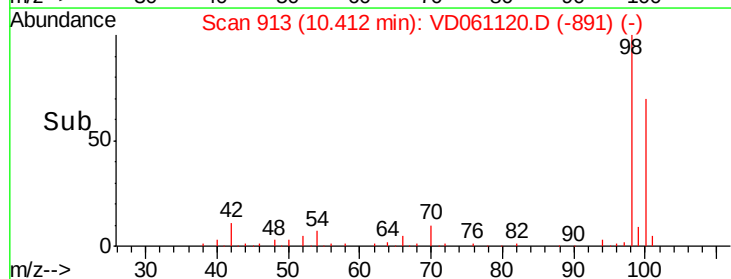
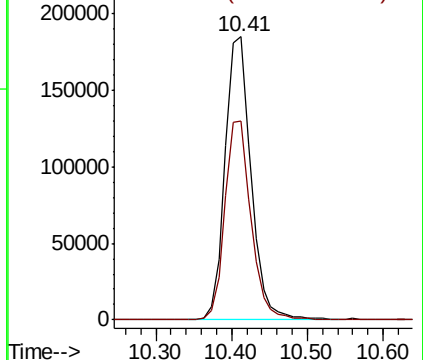
98 100

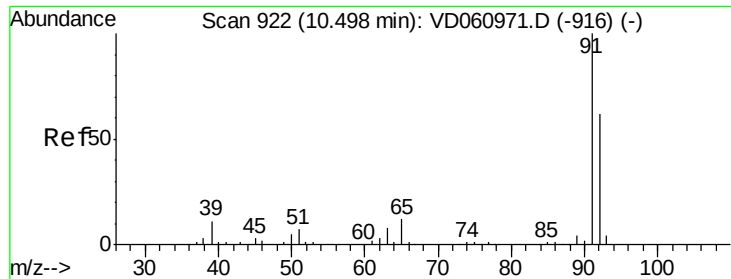
100 70.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 3.766 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061120.D

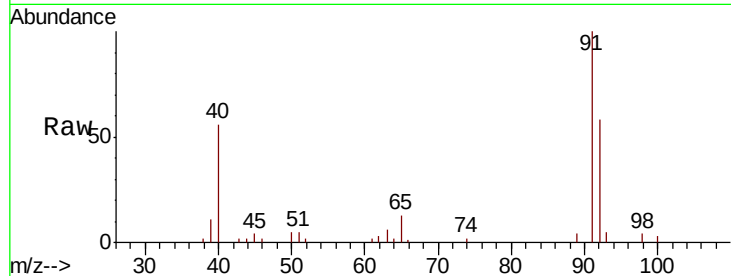
Acq: 16 Mar 2019 20:12

Tgt Ion: 92 Resp: 28472

Ion Ratio Lower Upper

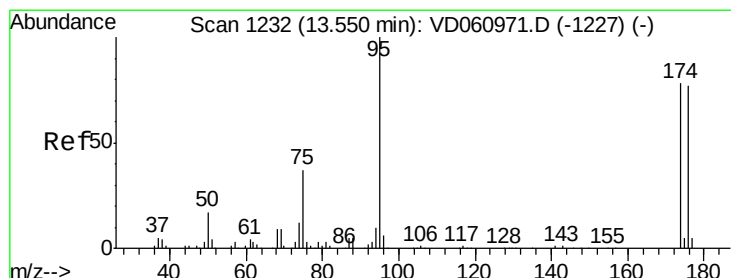
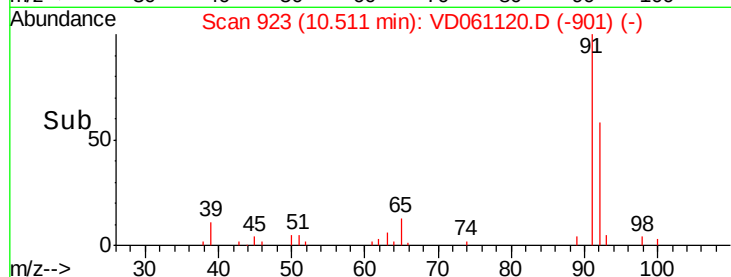
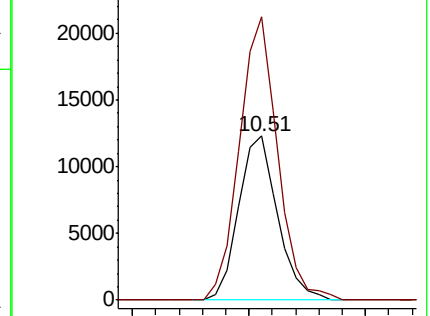
92 100

91 172.5 129.8 194.8



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: VD061120.D

Acq: 16 Mar 2019 20:12

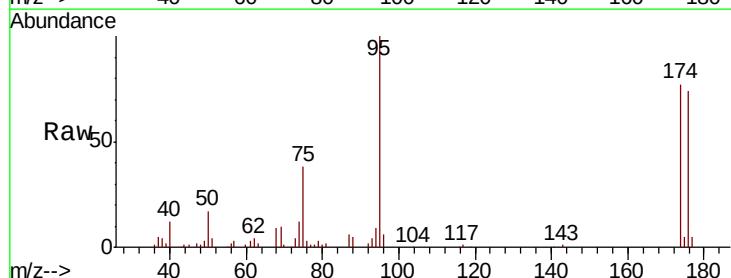
Tgt Ion: 95 Resp: 130485

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.6

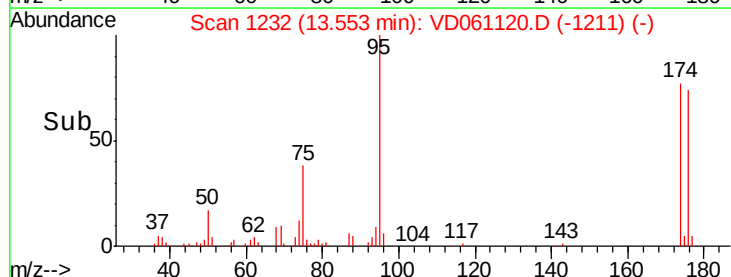
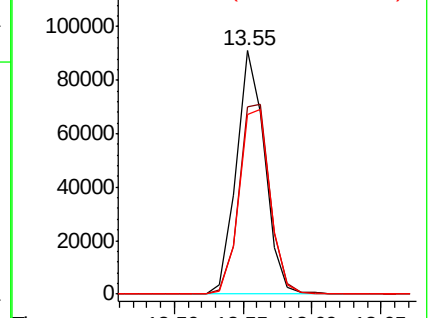
176 73.6 0.0 153.8

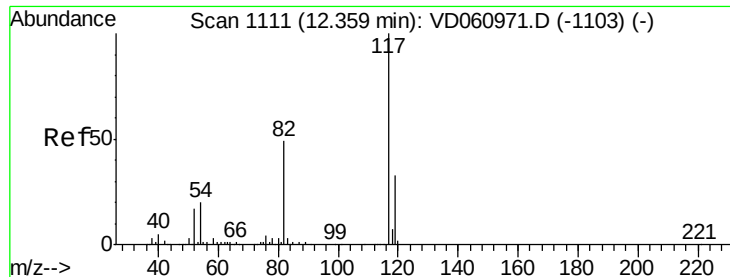


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

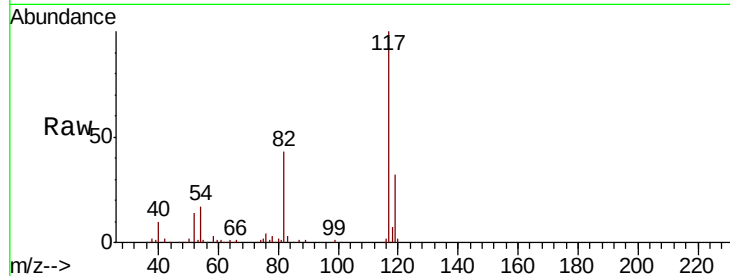
Ion 175.90 (175.60 to 176.60): V



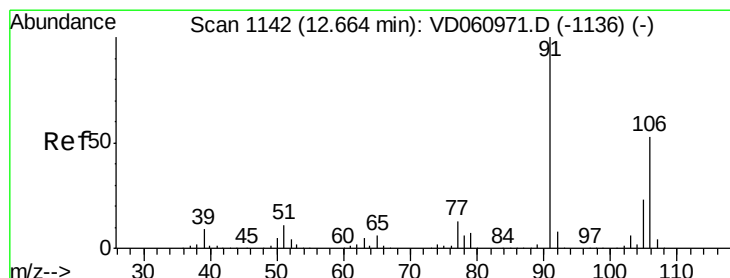
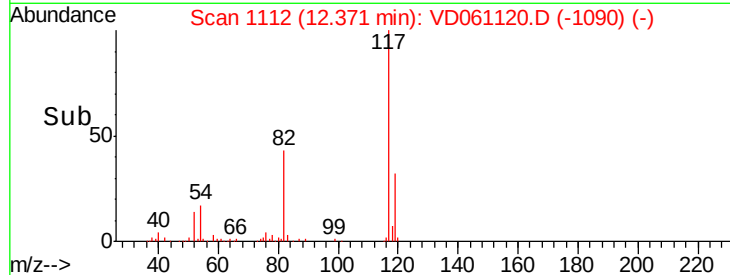
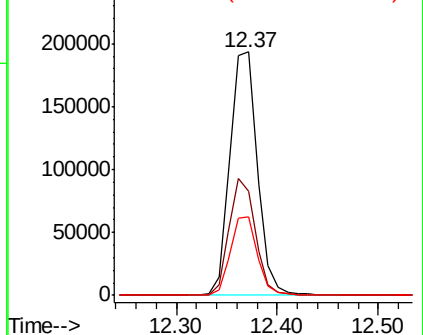


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	42.9	38.9	58.3
119	32.2	26.6	39.8

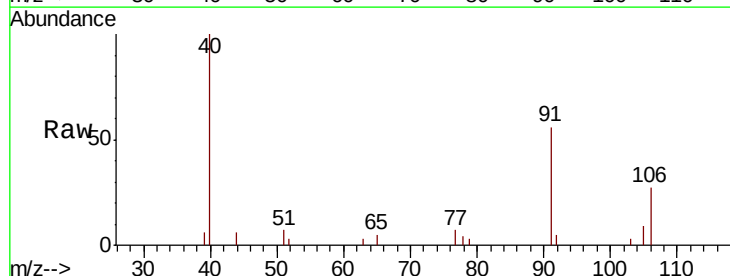


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

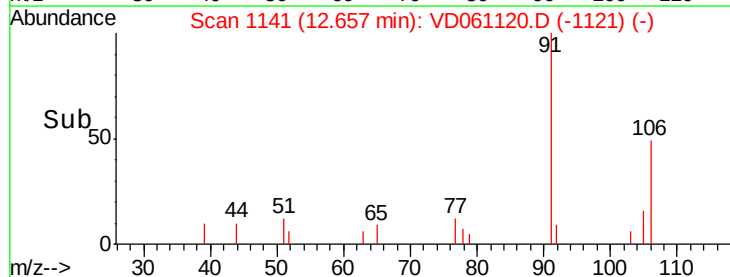
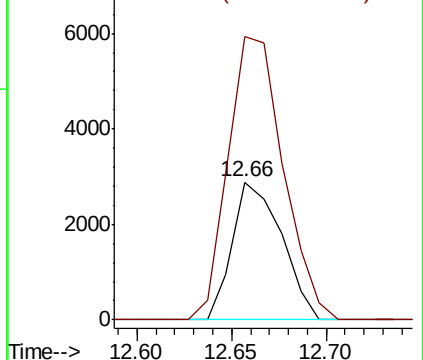


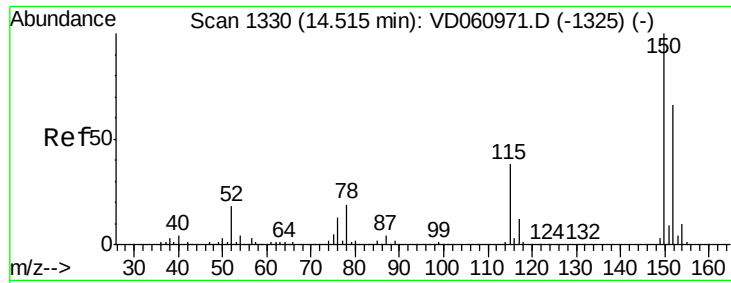
#68
m/p-Xylenes
Concen: 1.239 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.1	152.0	228.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

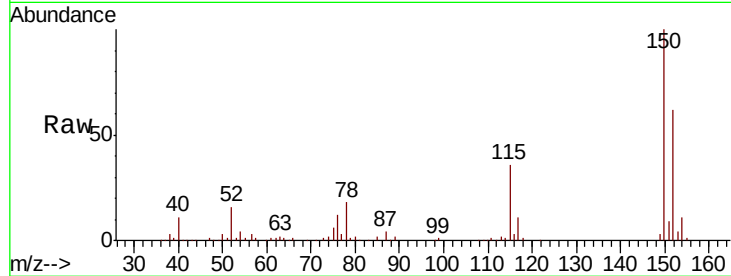




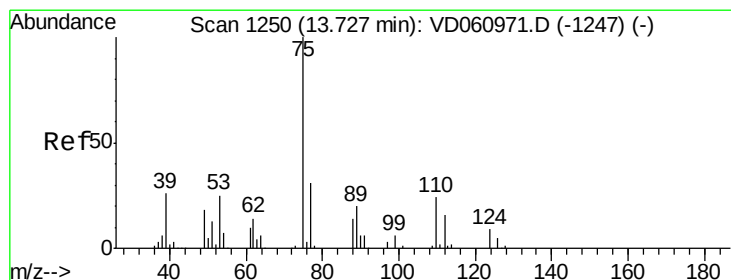
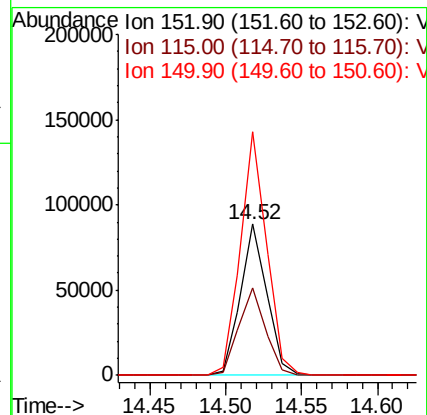
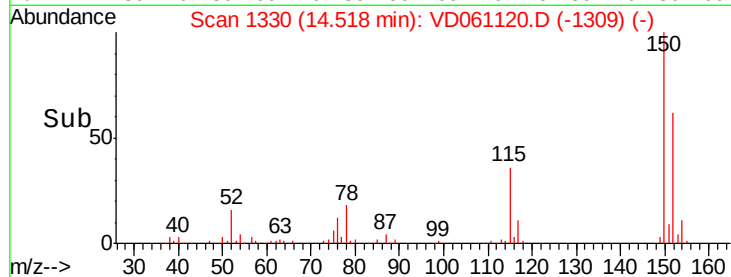
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion: 152 Resp: 107691
Ion Ratio Lower Upper
152 100
115 58.1 28.6 85.9
150 161.2 0.0 310.6



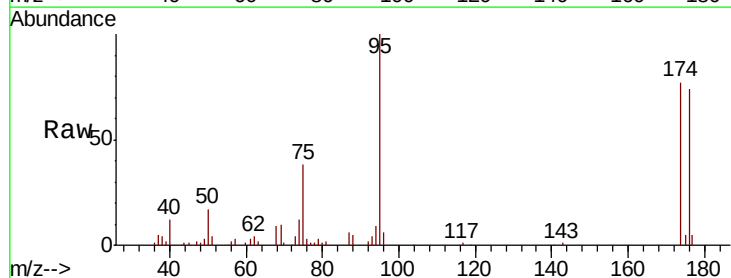
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



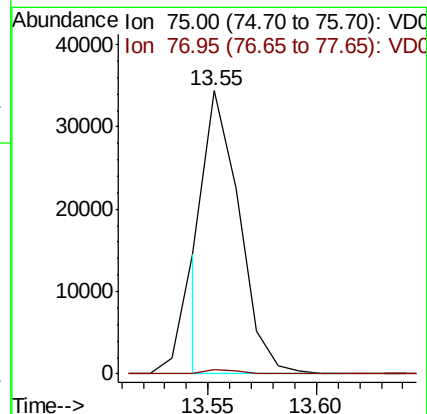
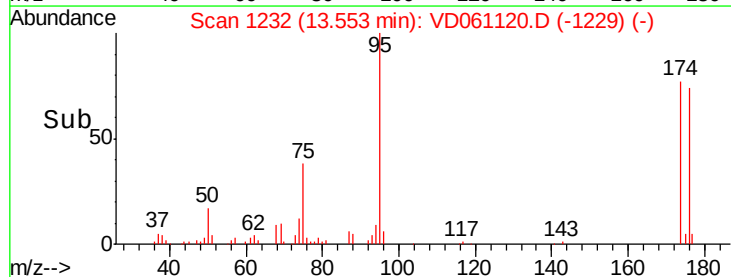
#76

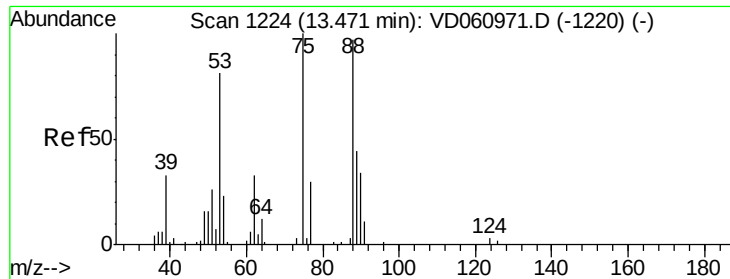
1,2,3-Trichloropropane
Concen: 24.191 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.17 min
Lab File: VD061120.D
Acq: 16 Mar 2019 20:12

Tgt Ion: 75 Resp: 37480
Ion Ratio Lower Upper
75 100
77 1.7 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 103.318 ug/l

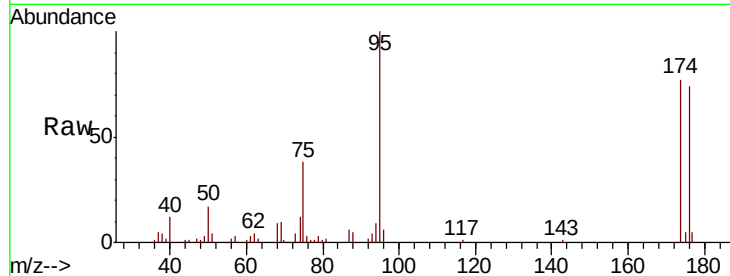
RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

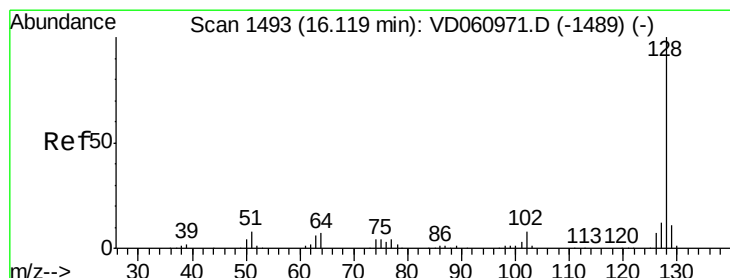
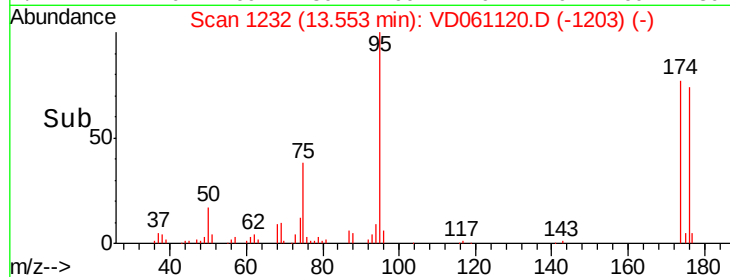
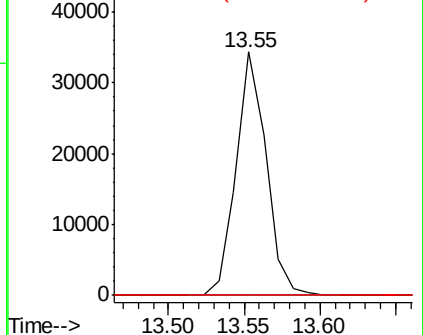
Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

Tgt Ion:	75	Resp:	47193
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: 1.612 ug/l

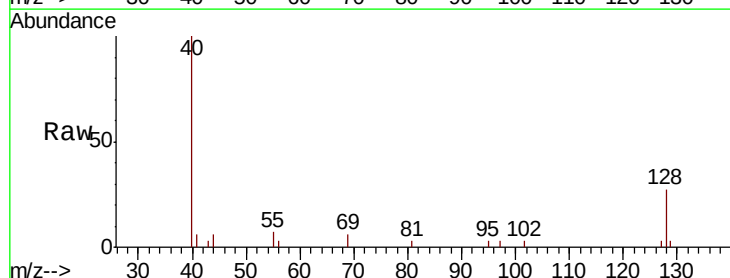
RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061120.D

Acq: 16 Mar 2019 20:12

Tgt Ion:	128	Resp:	3351
Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.8	14.8
129	11.5	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

