

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031619\
 Data File : VD061114.D
 Acq On : 16 Mar 2019 17:27
 Operator : VA/AP
 Sample : K1927-01RE
 Misc : 5.69g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

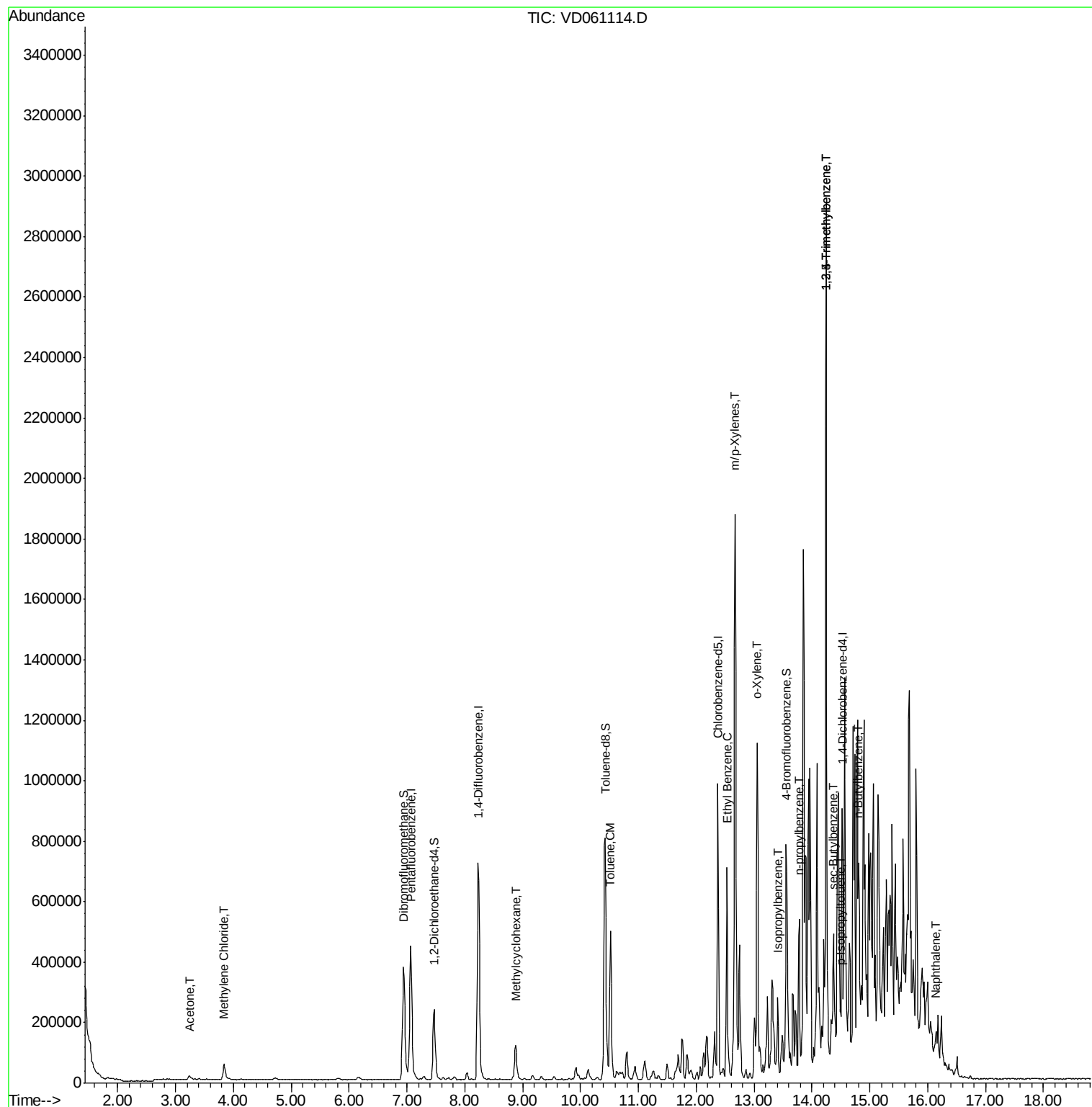
Quant Time: Mar 18 04:35:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	472274	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	890593	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	587573	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	140621	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	214813	54.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	6.94	113	352427	53.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.43	98	704306	42.43	ug/l	0.03
Spiked Amount	50.000		Recovery	=	84.86%	
62) 4-Bromofluorobenzene	13.56	95	205056	31.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.68%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	22343	19.876	ug/l	91
20) Methylene Chloride	3.84	84	40881	3.653	ug/l	94
39) Methylcyclohexane	8.88	83	60375	7.585	ug/l	96
52) Toluene	10.51	92	293601	24.614	ug/l	99
67) Ethyl Benzene	12.53	91	496927	28.977	ug/l	98
68) m/p-Xylenes	12.67	106	619229	91.999	ug/l	98
69) o-Xylene	13.05	106	282603	42.714	ug/l	94
73) Isopropylbenzene	13.41	105	126852	12.517	ug/l	98
78) n-propylbenzene	13.78	91	372191	31.371	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	1403064	182.368	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1403064	182.368	ug/l	99
85) sec-Butylbenzene	14.37	105	146166	14.220	ug/l	96
86) p-Isopropyltoluene	14.49	119	66152	7.873	ug/l	96
89) n-Butylbenzene	14.81	91	201948	25.029	ug/l	93
95) Naphthalene	16.13	128	24737	9.112	ug/l #	94

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061114.D

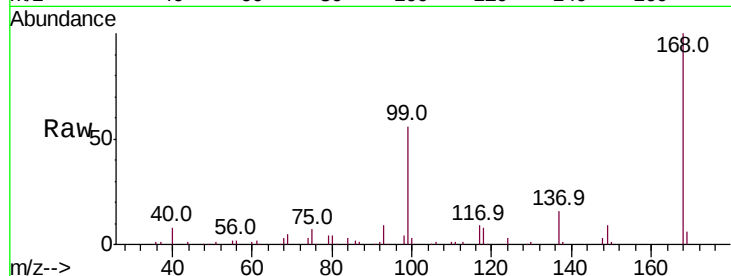
Acq: 16 Mar 2019 17:27

Tot Ion:168 Resp: 472274

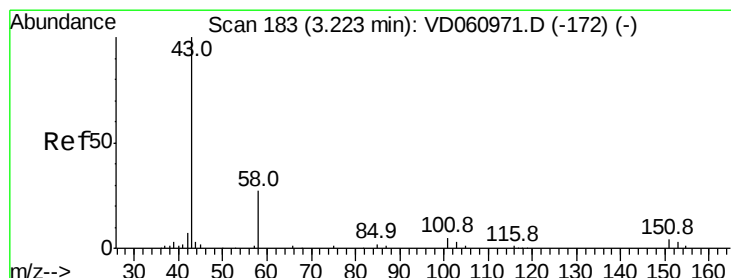
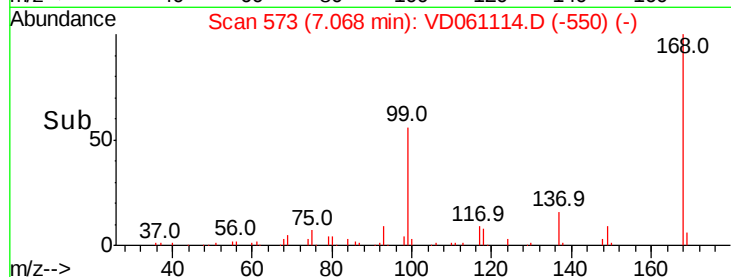
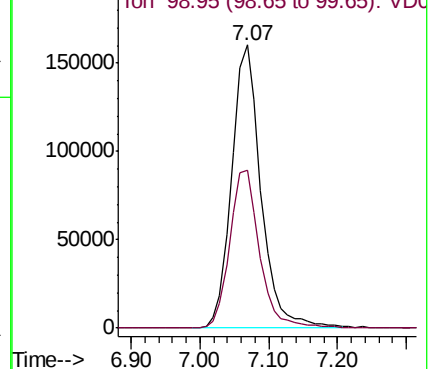
Ion Ratio Lower Upper

168 100

99 56.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 19.876 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061114.D

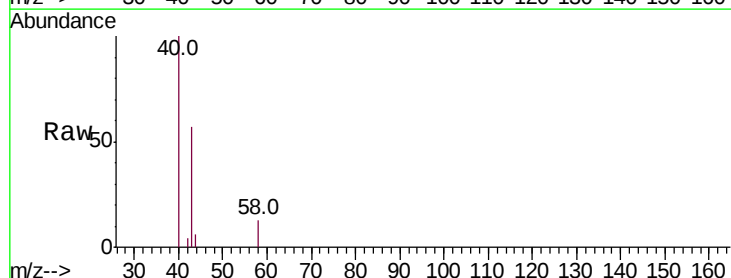
Acq: 16 Mar 2019 17:27

Tgt Ion: 43 Resp: 22343

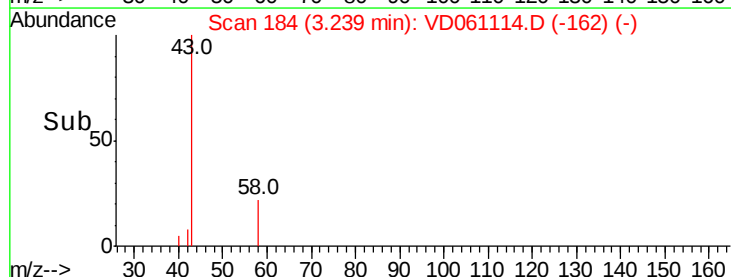
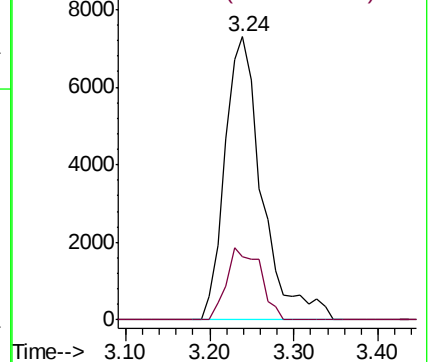
Ion Ratio Lower Upper

43 100

58 22.4 21.6 32.4



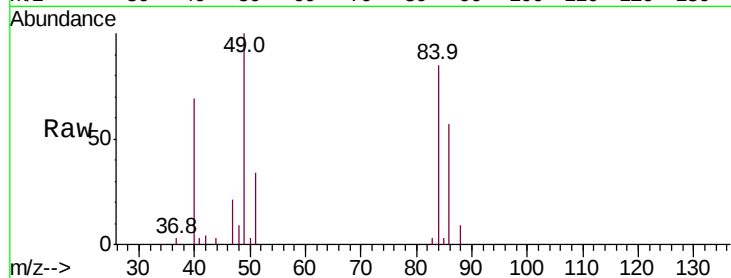
Abundance Ion 42.95 (42.65 to 43.65): V



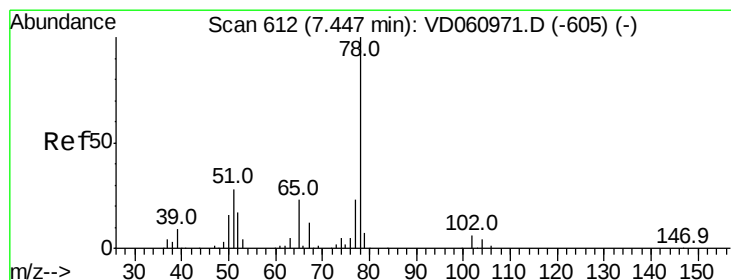
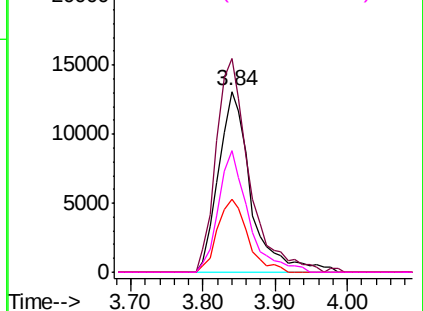
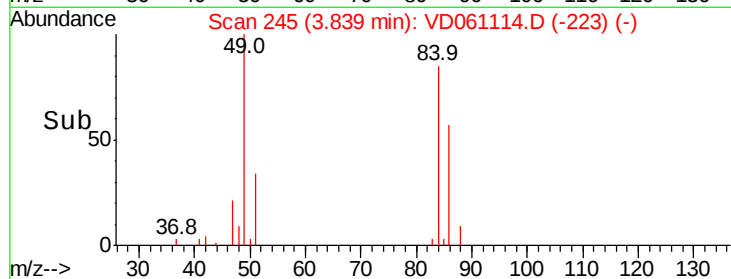


#20
Methylene Chloride
Concen: 3.653 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tot Ion: 84 Resp: 40881
Ion Ratio Lower Upper
84 100
49 118.0 104.2 156.2
51 40.5 32.3 48.5
86 67.2 52.3 78.5

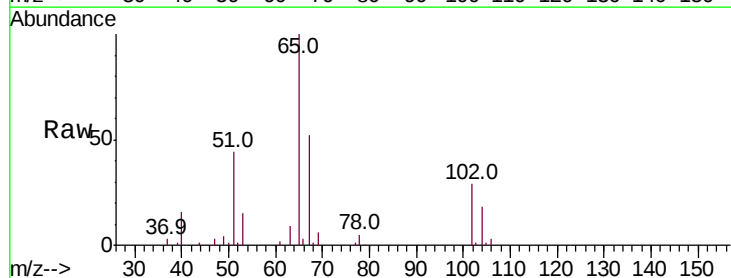


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

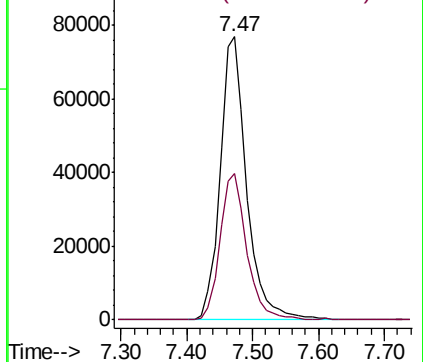
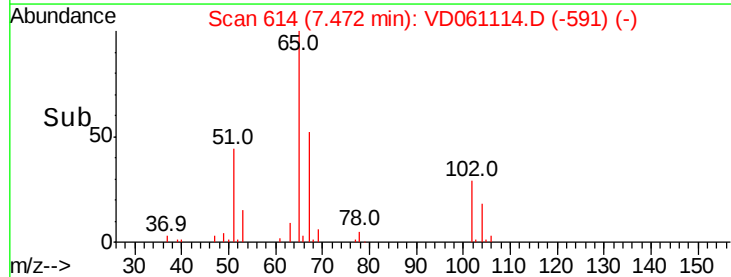


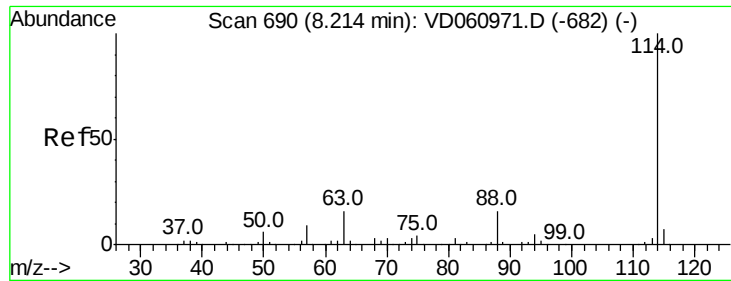
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 65 Resp: 214813
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.2



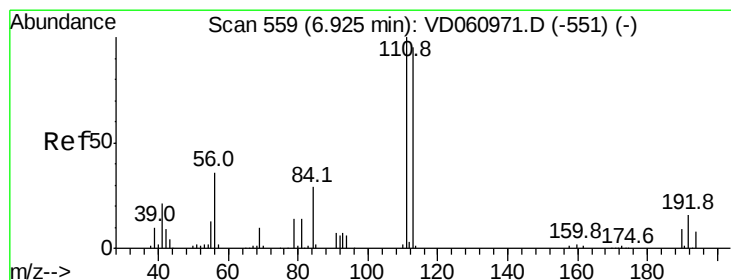
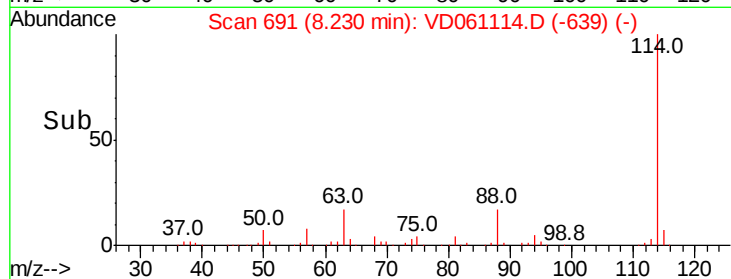
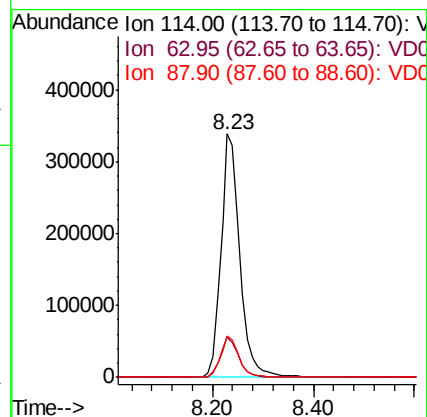
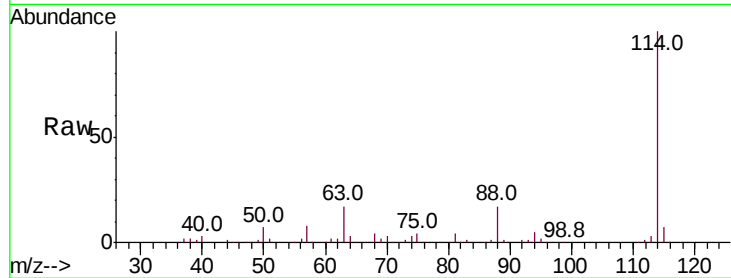
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





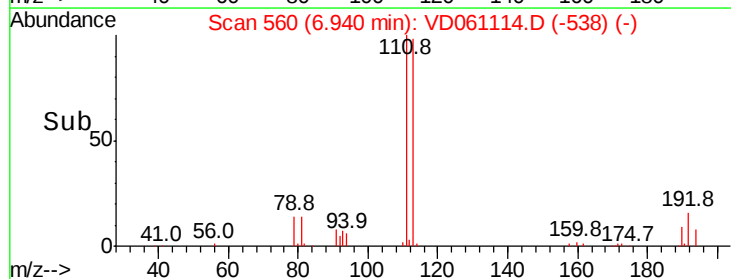
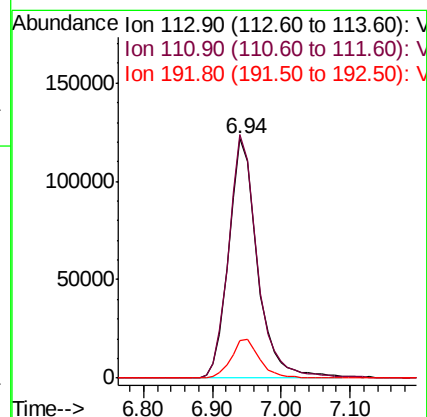
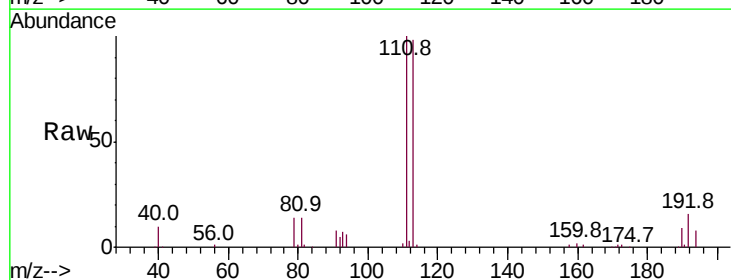
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061114.D
 Acq: 16 Mar 2019 17:27

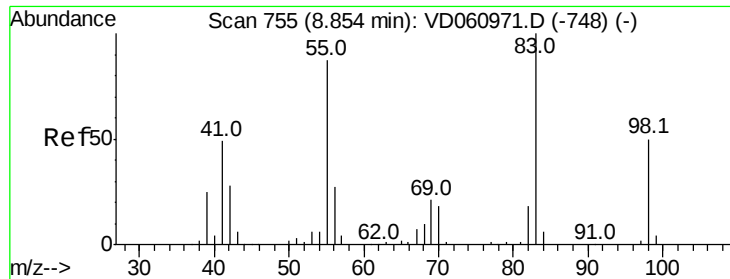
Tot Ion:114 Resp: 890593
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 17.0 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061114.D
 Acq: 16 Mar 2019 17:27

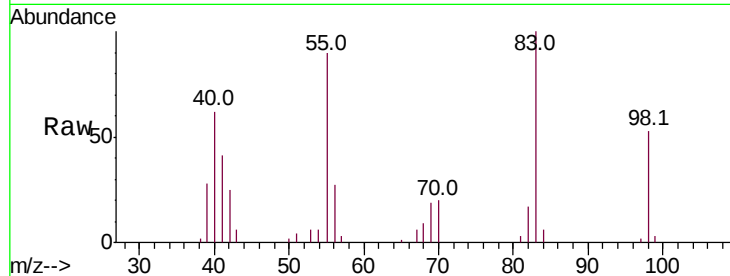
Tgt Ion:113 Resp: 352427
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.2 126.4
 192 16.0 13.1 19.7



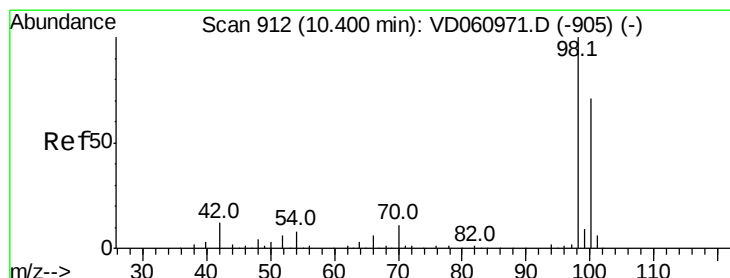
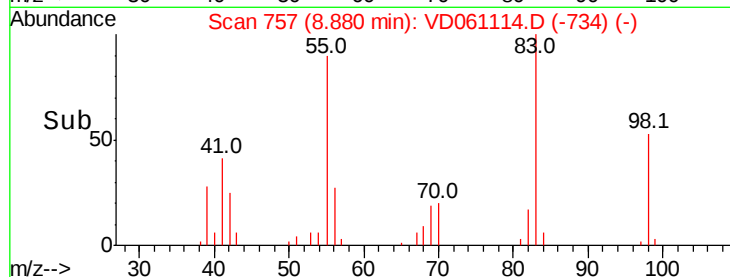
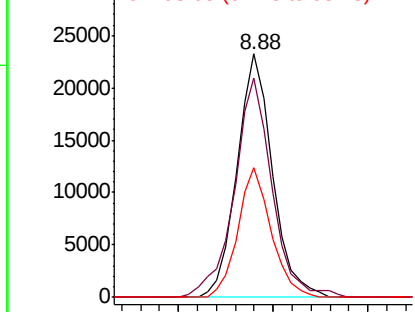


#39
Methvlcvclohexane
Concen: 7.585 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tot Ion: 83 Resp: 60375
Ion Ratio Lower Upper
83 100
55 90.1 69.6 104.4
98 53.4 40.0 60.0

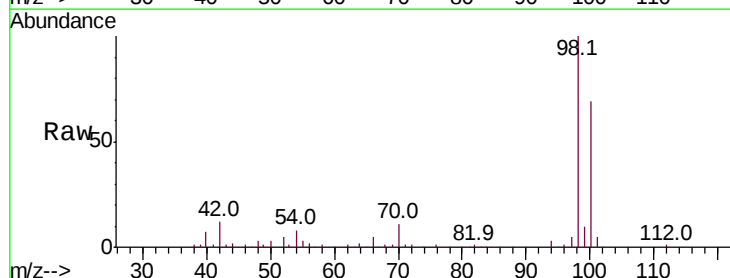


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

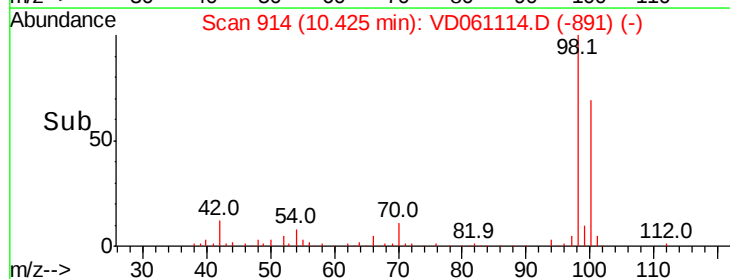
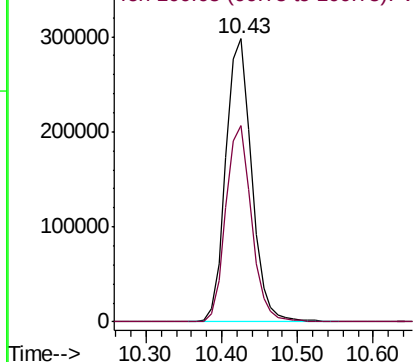


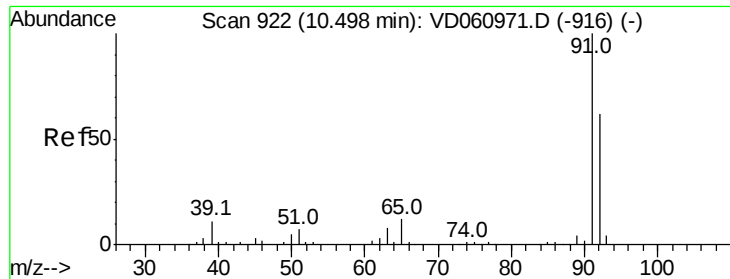
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion: 98 Resp: 704306
Ion Ratio Lower Upper
98 100
100 69.2 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: 24.614 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061114.D

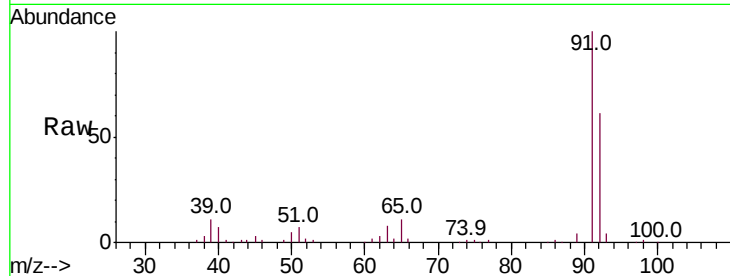
Acq: 16 Mar 2019 17:27

Tot Ion: 92 Resp: 293601

Ion Ratio Lower Upper

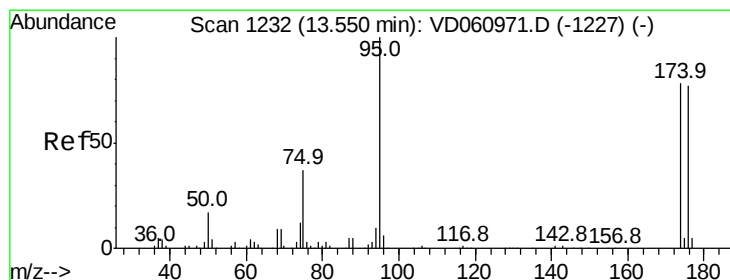
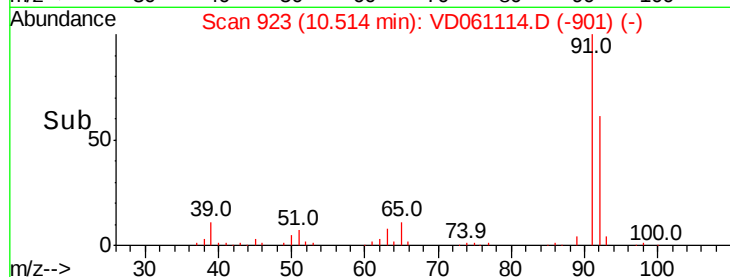
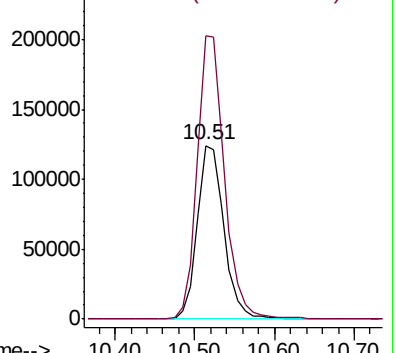
92 100

91 163.3 129.8 194.8



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: VD061114.D

Acq: 16 Mar 2019 17:27

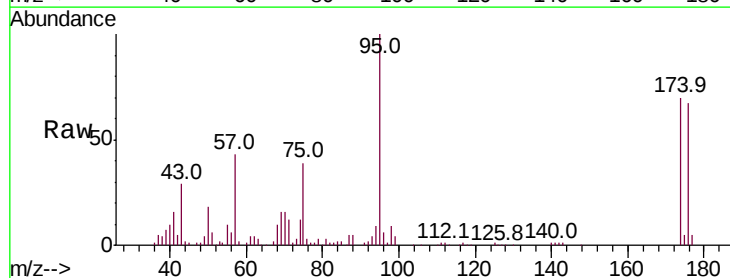
Tgt Ion: 95 Resp: 205056

Ion Ratio Lower Upper

95 100

174 70.0 0.0 155.6

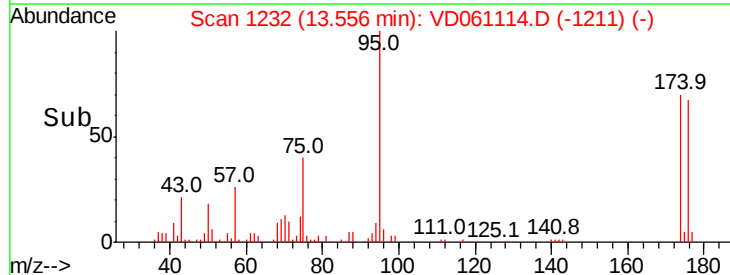
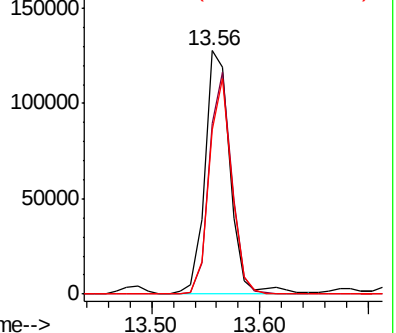
176 67.3 0.0 153.8

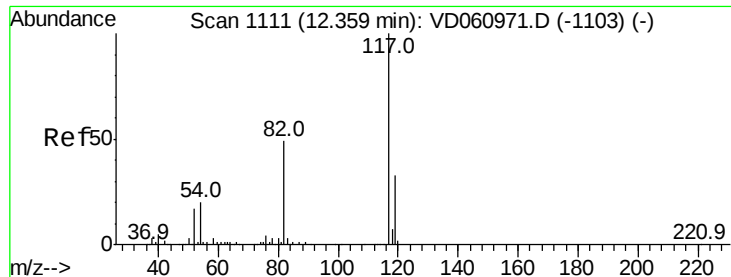


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

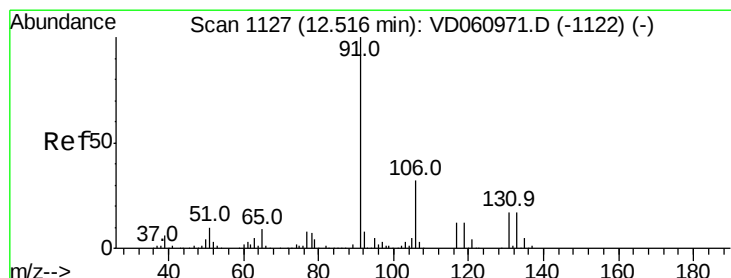
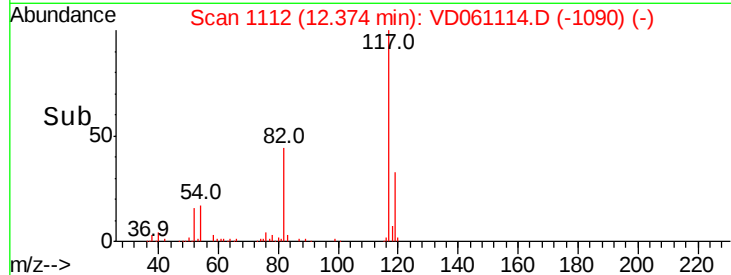
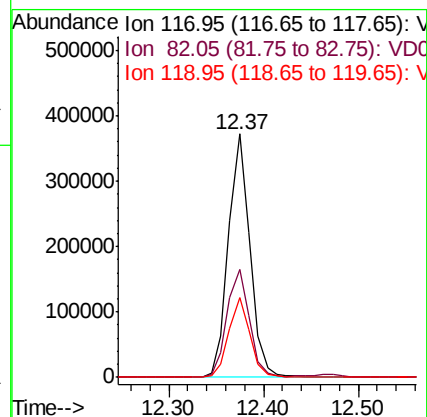
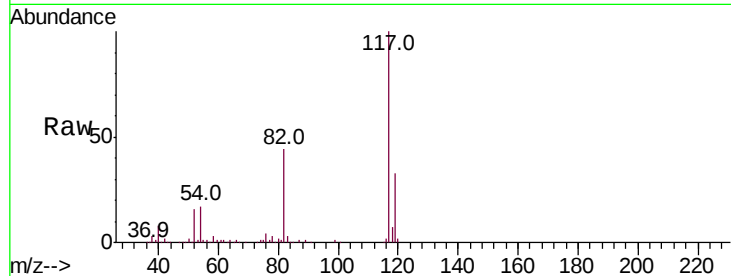
Ion 175.90 (175.60 to 176.60): V





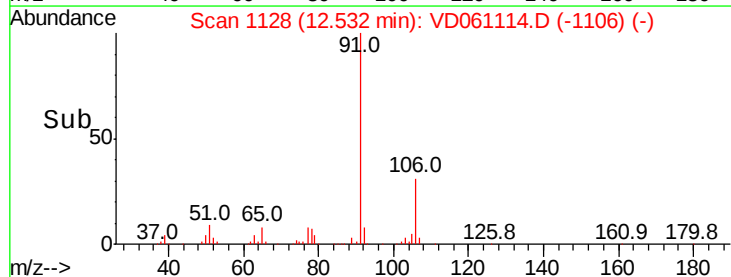
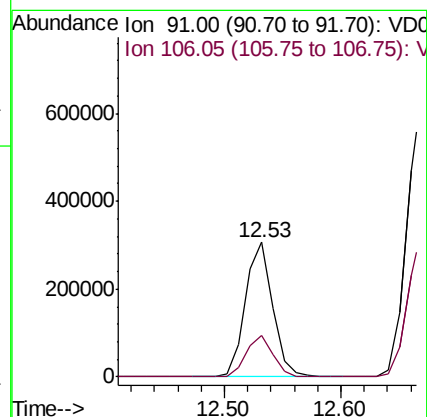
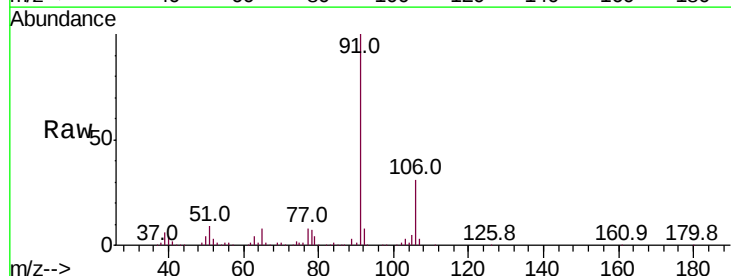
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

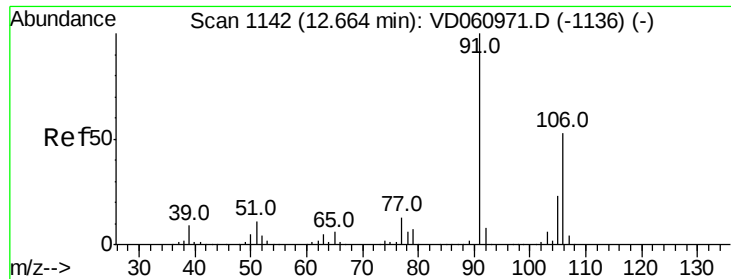
Tot Ion	Ratio	Lower	Upper
117	100		
82	44.5	38.9	58.3
119	32.6	26.6	39.8



#67
Ethyl Benzene
Concen: 28.977 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

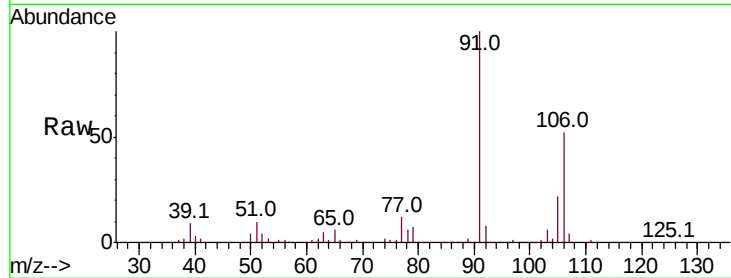
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.7	38.5



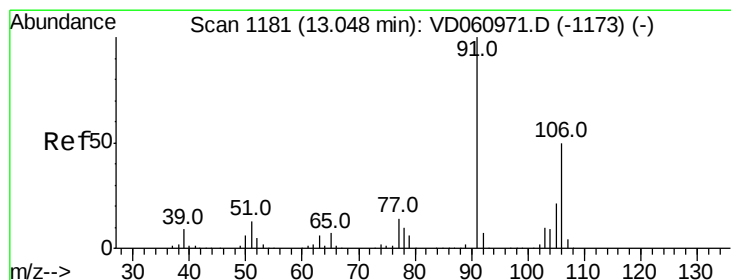
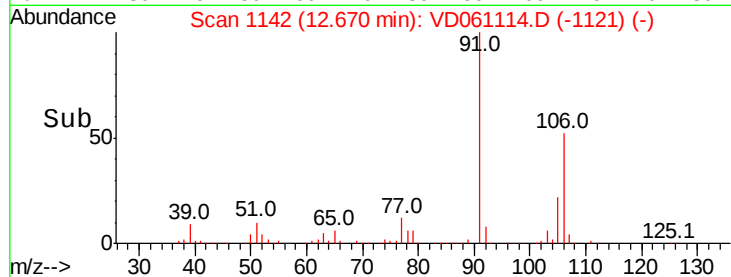
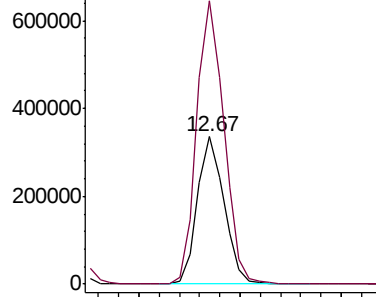


#68
m/p-Xylenes
Concen: 91.999 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tot Ion:106 Resp: 619229
Ion Ratio Lower Upper
106 100
91 192.3 152.0 228.0

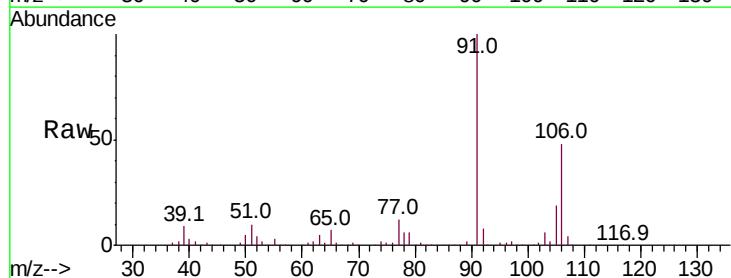


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

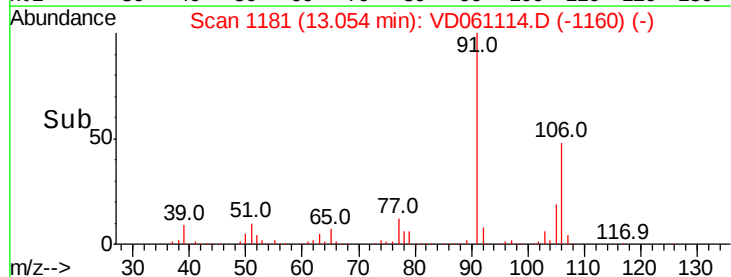
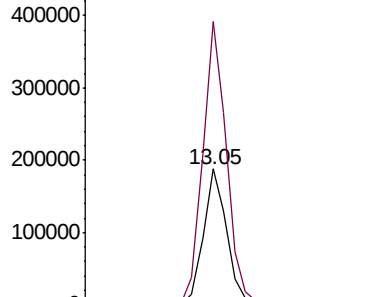


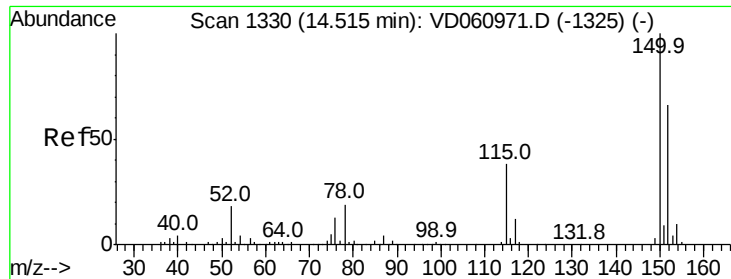
#69
o-Xylene
Concen: 42.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion:106 Resp: 282603
Ion Ratio Lower Upper
106 100
91 208.5 99.8 299.3



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

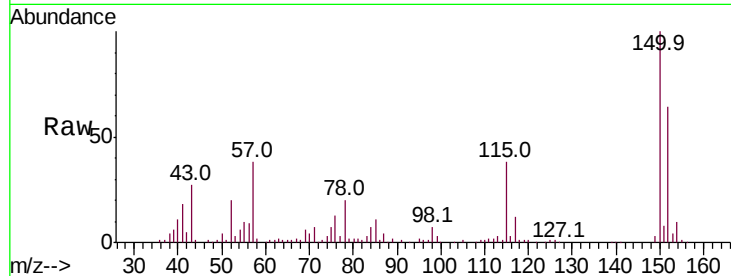




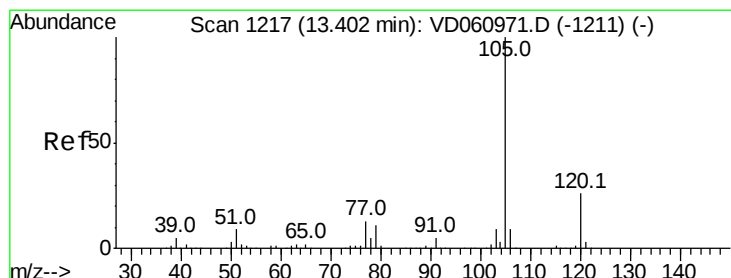
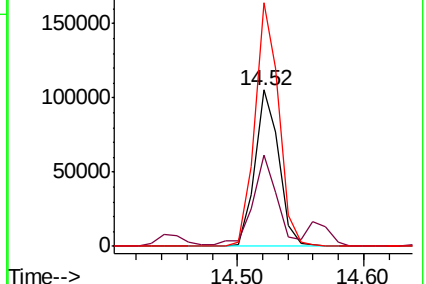
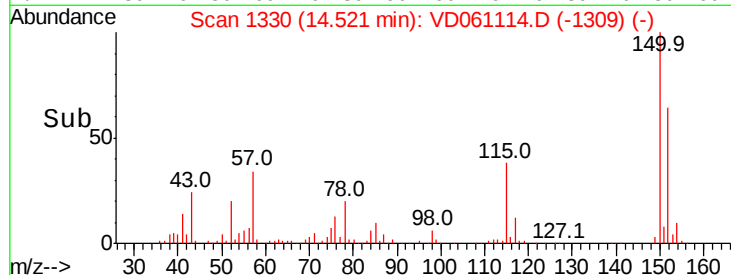
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.6	85.9
150	155.6	0.0	310.6



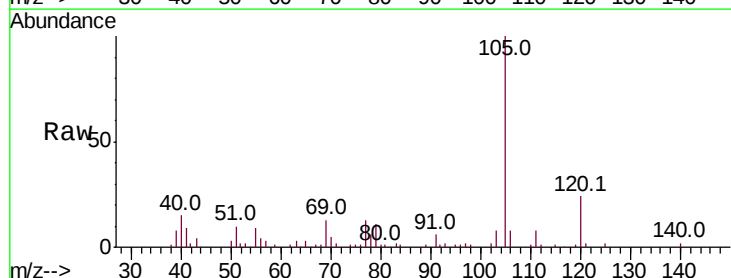
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



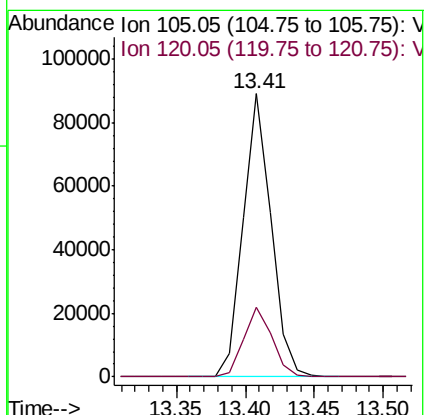
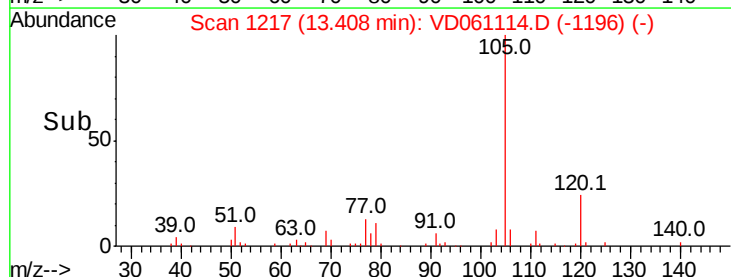
#73

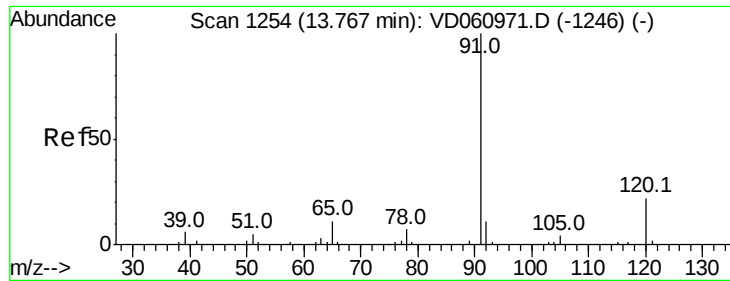
Isopropylbenzene
Concen: 12.517 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.8	38.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 31.371 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061114.D

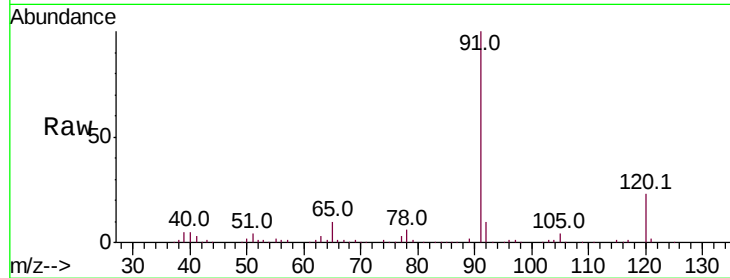
Acq: 16 Mar 2019 17:27

Tot Ion: 91 Resp: 372191

Ion Ratio Lower Upper

91 100

120 23.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1246) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1246) (-)

13.78

250000

200000

150000

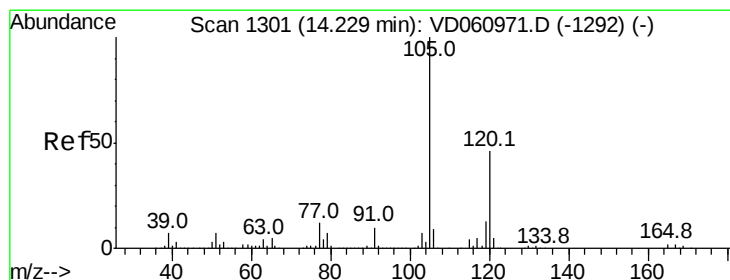
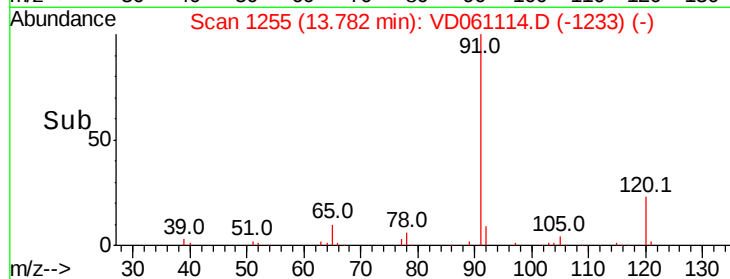
100000

50000

0

Time-->

13.70 13.75 13.80 13.85



#80

1,3,5-Trimethylbenzene

Concen: 182.368 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.02 min

Lab File: VD061114.D

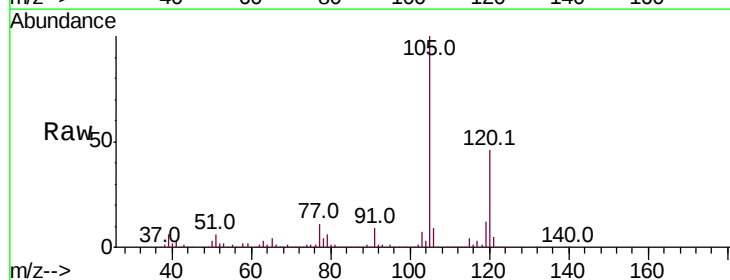
Acq: 16 Mar 2019 17:27

Tgt Ion: 105 Resp: 1403064

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

14.24

1200000

1000000

800000

600000

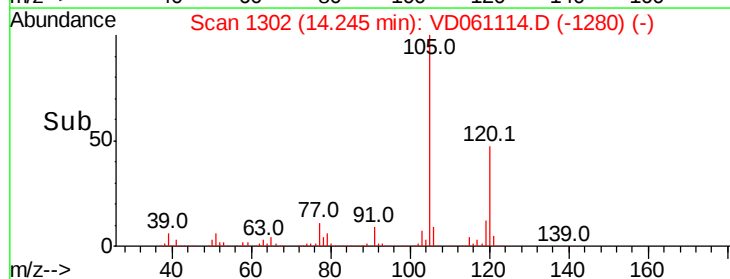
400000

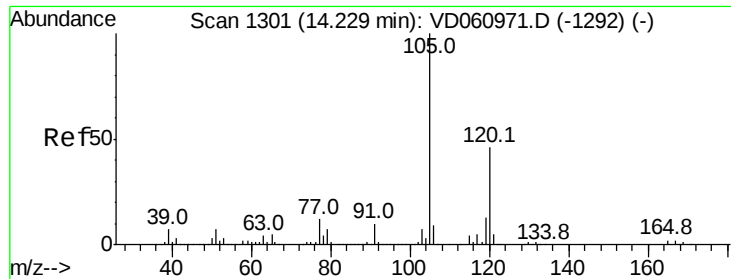
200000

0

Time-->

14.20 14.30

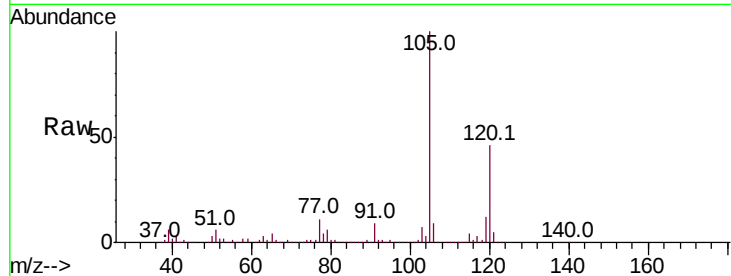




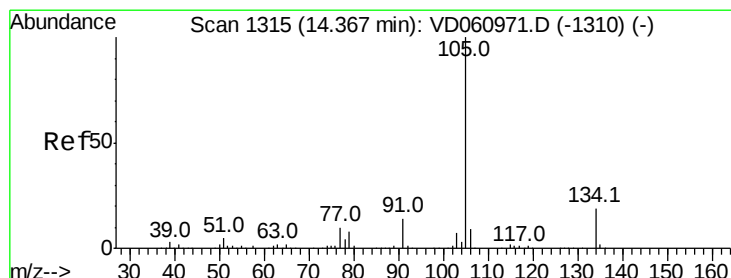
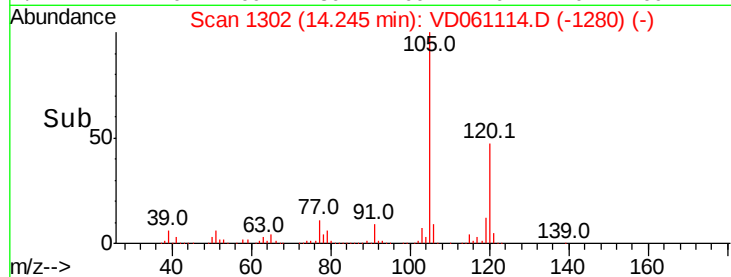
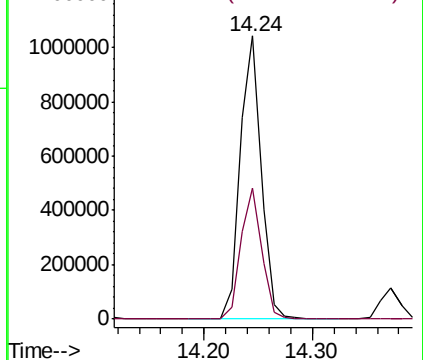
#84

1,2,4-Trimethylbenzene
 Concen: 182.368 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061114.D
 Acq: 16 Mar 2019 17:27

Tot Ion:105 Resp: 1403064
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.5



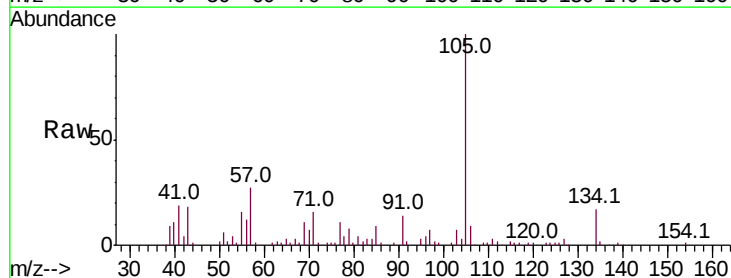
Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V



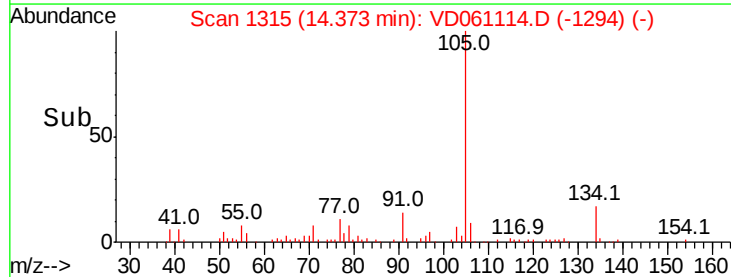
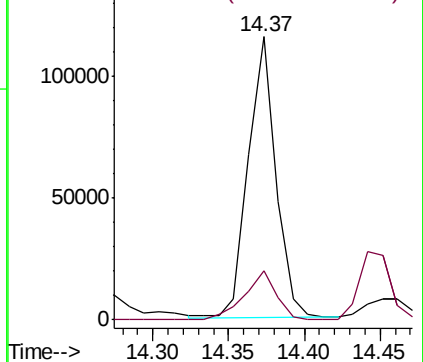
#85

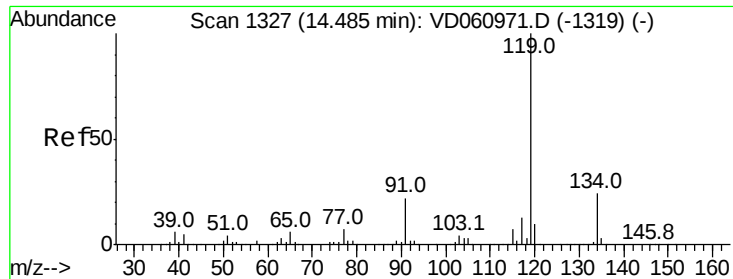
sec-Butylbenzene
 Concen: 14.220 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061114.D
 Acq: 16 Mar 2019 17:27

Tgt Ion:105 Resp: 146166
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.4 28.2



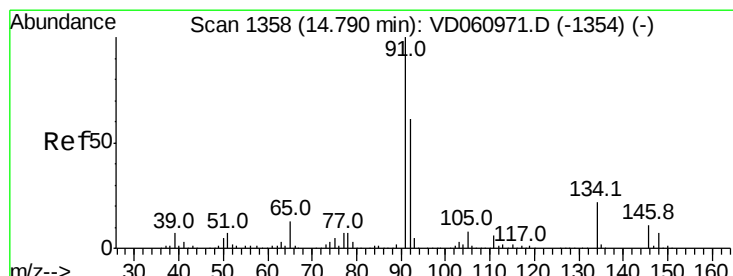
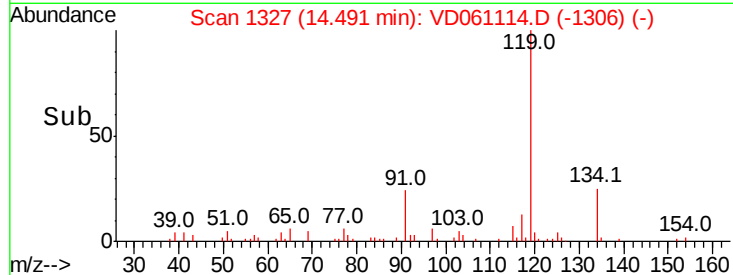
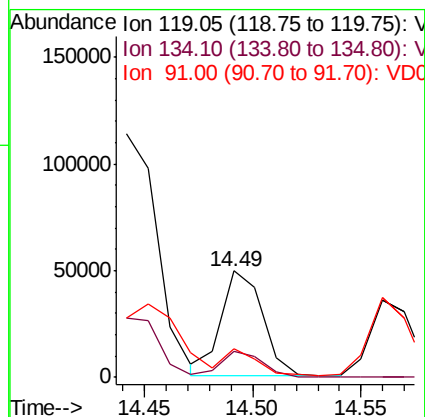
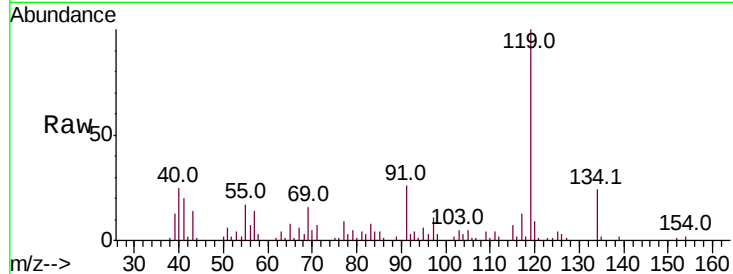
Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V





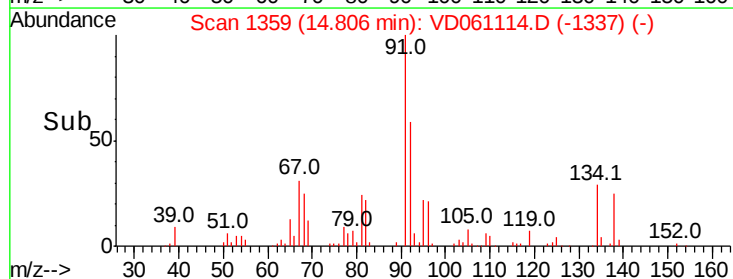
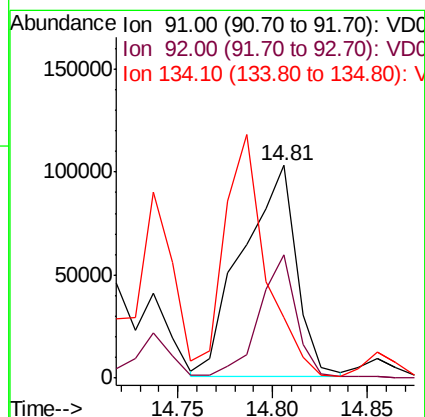
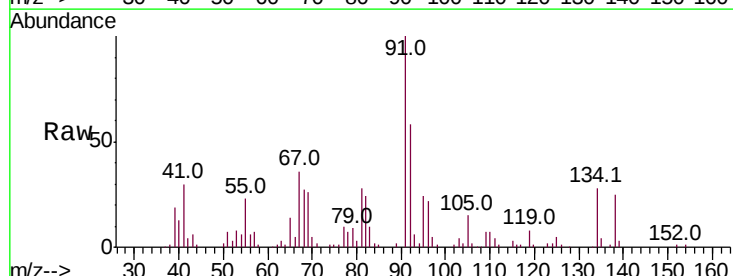
#86
p-Isopropyltoluene
Concen: 7.873 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

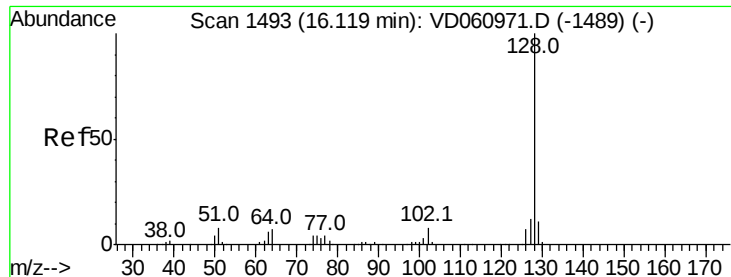
Tot Ion: 119 Resp: 66152
Ion Ratio Lower Upper
119 100
134 24.2 12.0 36.1
91 26.5 11.2 33.6



#89
n-Butylbenzene
Concen: 25.029 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

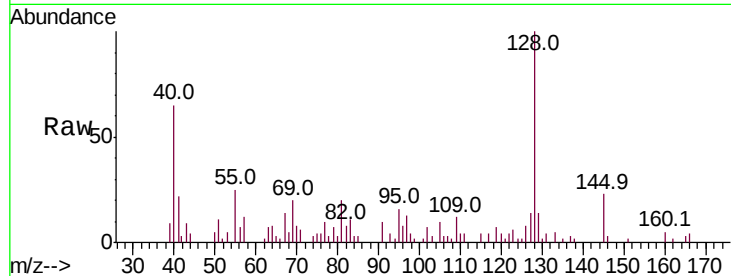
Tgt Ion: 91 Resp: 201948
Ion Ratio Lower Upper
91 100
92 57.8 30.6 91.8
134 28.3 11.0 33.0





#95
Naphthalene
Concen: 9.112 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061114.D
Acq: 16 Mar 2019 17:27

Tot Ion:128 Resp: 24737
Ion Ratio Lower Upper
128 100
127 13.7 9.8 14.8
129 13.7 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

