

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061440.D
 Acq On : 29 Mar 2019 20:05
 Operator : VA/AP
 Sample : K1685-13
 Misc : 7.91g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-032819-C

Quant Time: Mar 30 02:15:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	462726	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	789532	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	650154	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	231205	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	193404	48.93	ug/l	0.01
Spiked Amount 50.000			Recovery =	97.86%		
35) Dibromofluoromethane	6.92	113	310420	51.45	ug/l	0.02
Spiked Amount 50.000			Recovery =	102.90%		
50) Toluene-d8	10.41	98	657108	45.41	ug/l	0.02
Spiked Amount 50.000			Recovery =	90.82%		
62) 4-Bromofluorobenzene	13.56	95	246279	44.38	ug/l	0.01
Spiked Amount 50.000			Recovery =	88.76%		

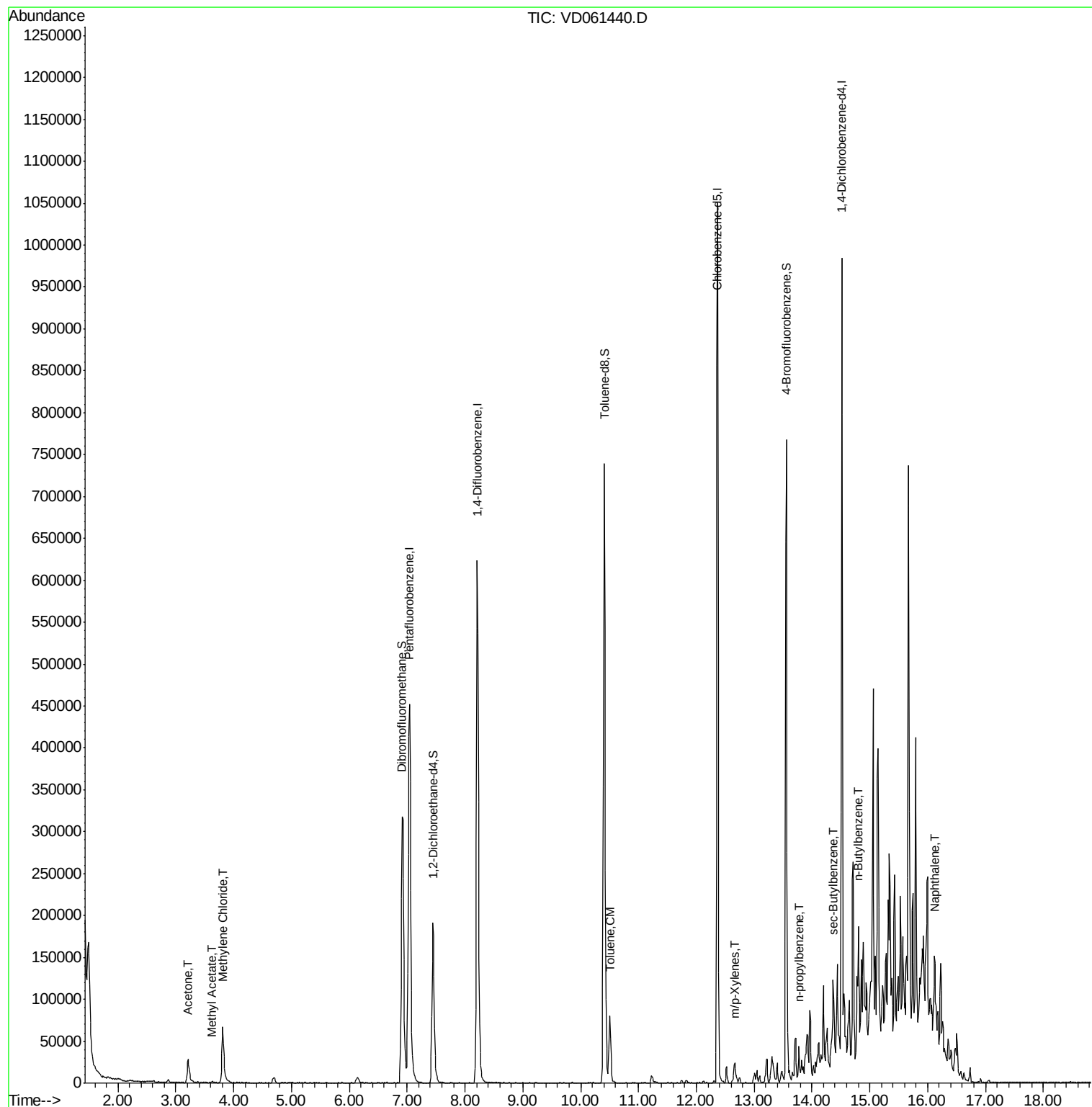
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	57239	56.330	ug/l	95
18) Methyl Acetate	3.64	43	3102	1.452	ug/l #	55
20) Methylene Chloride	3.81	84	47966	6.766	ug/l	99
52) Toluene	10.51	92	44318	4.200	ug/l	99
68) m/p-Xylenes	12.66	106	8972	1.168	ug/l	96
78) n-propylbenzene	13.78	91	27584	1.401	ug/l	98
85) sec-Butylbenzene	14.37	105	32366	1.953	ug/l	98
89) n-Butylbenzene	14.80	91	41170	3.200	ug/l	99
95) Naphthalene	16.13	128	60815	13.218	ug/l	98

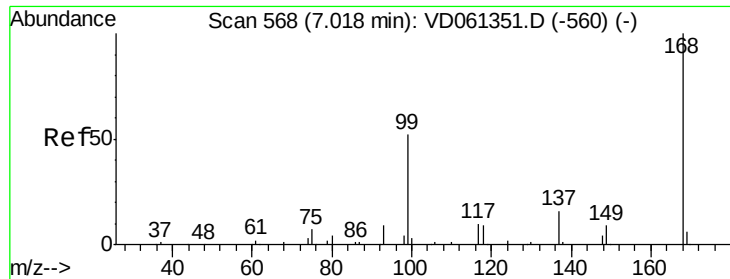
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

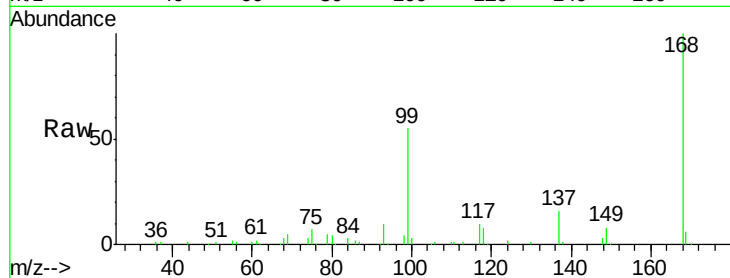
AU-06-032819-C

Tot Ion:168 Resp: 462726

Ion Ratio Lower Upper

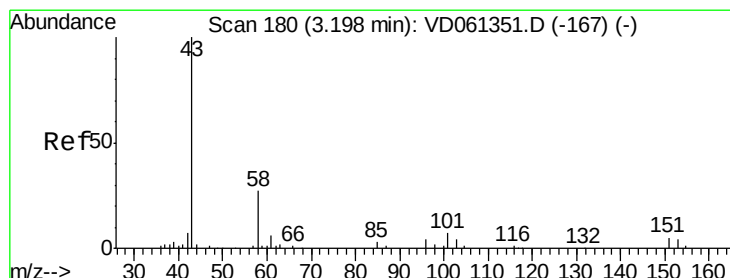
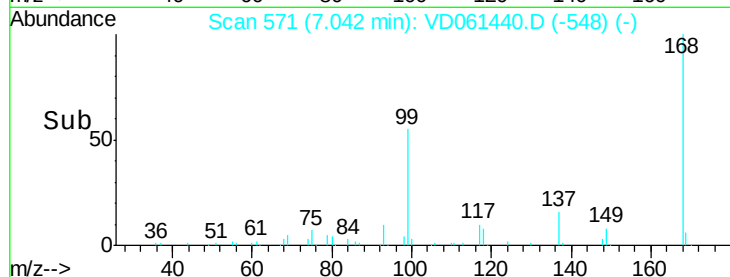
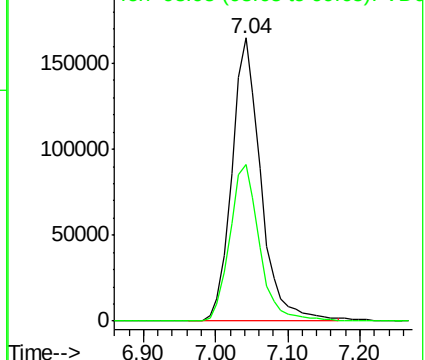
168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 56.330 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061440.D

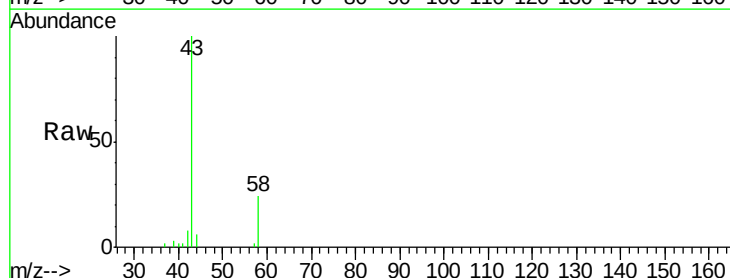
Acq: 29 Mar 2019 20:05

Tgt Ion: 43 Resp: 57239

Ion Ratio Lower Upper

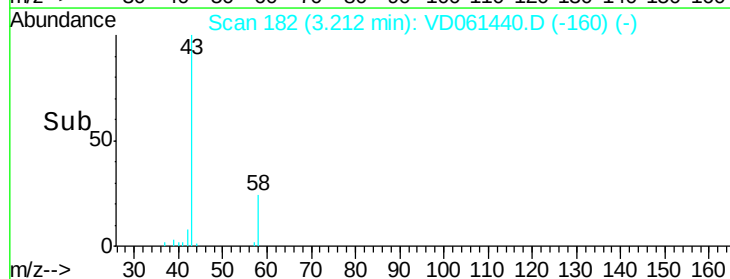
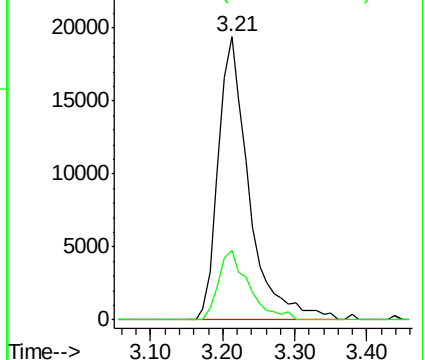
43 100

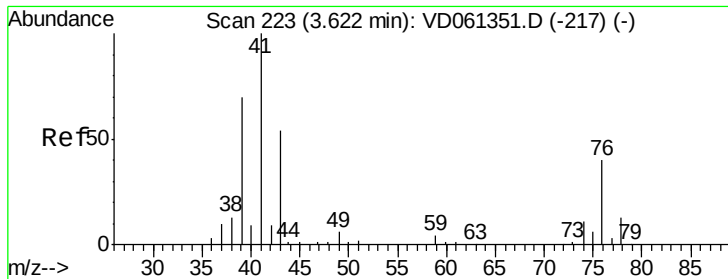
58 24.4 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 1.452 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

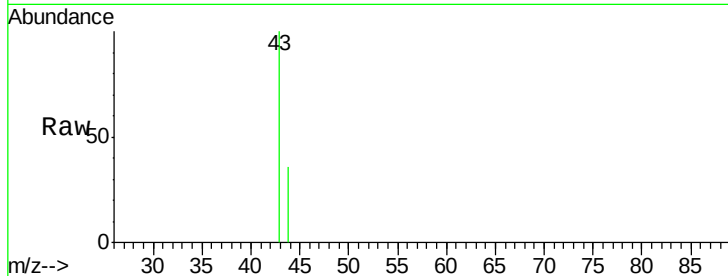
AU-06-032819-C

Tot Ion: 43 Resp: 3102

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

1500

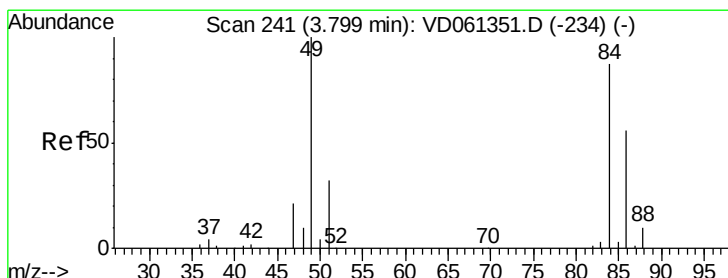
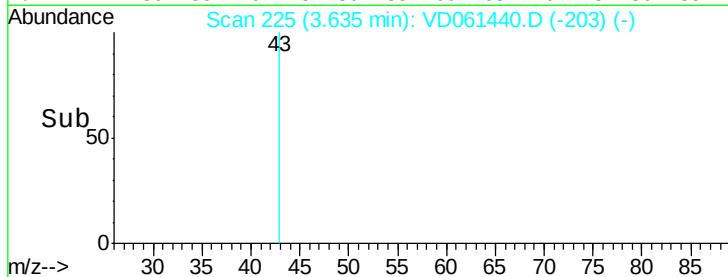
1000

500

0

3.60 3.65 3.70

Time-->



#20

Methylene Chloride

Concen: 6.766 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Tgt Ion: 84 Resp: 47966

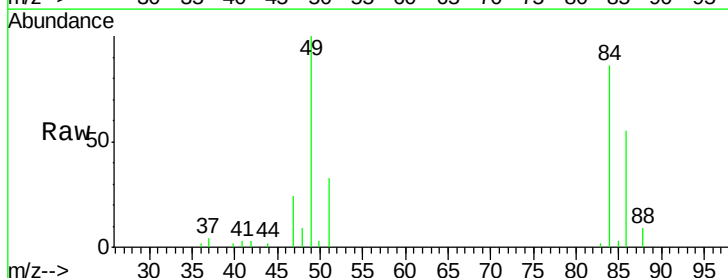
Ion Ratio Lower Upper

84 100

49 115.7 91.8 137.8

51 37.8 29.8 44.8

86 63.8 51.8 77.6



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

30000

25000

20000

15000

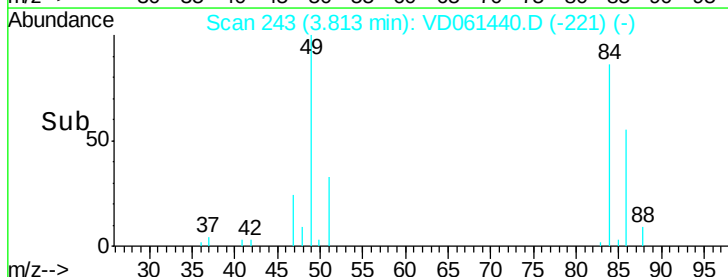
10000

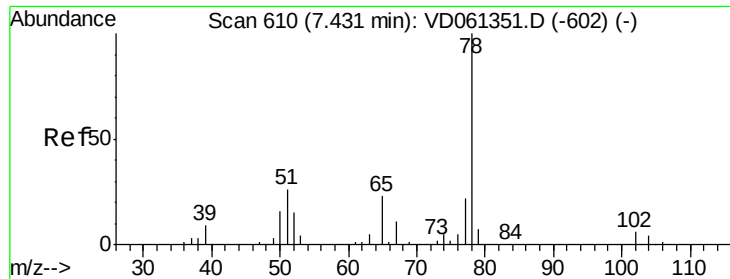
5000

0

3.70 3.80 3.90 4.00

Time-->

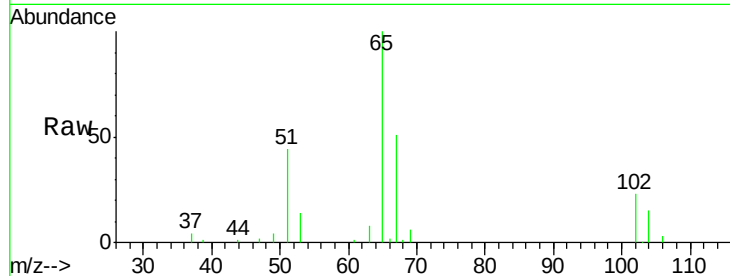




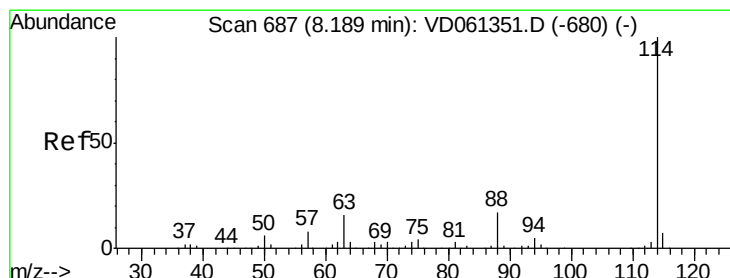
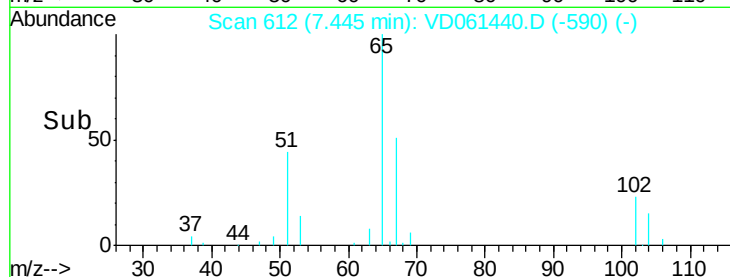
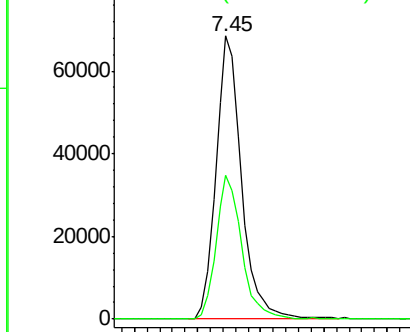
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061440.D
 Acq: 29 Mar 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-032819-C

Tot Ion: 65 Resp: 193404
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.8

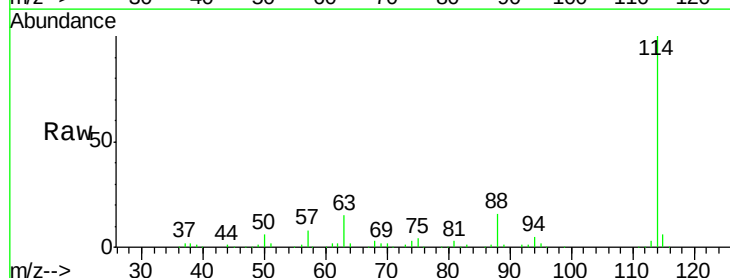


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

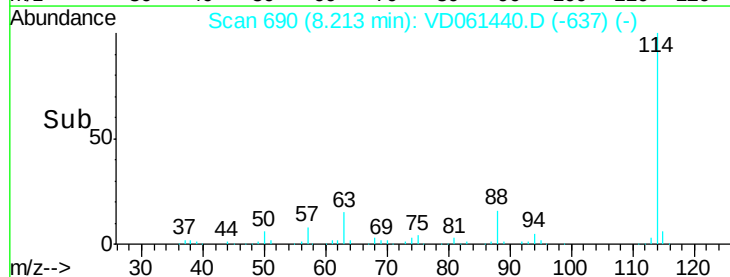
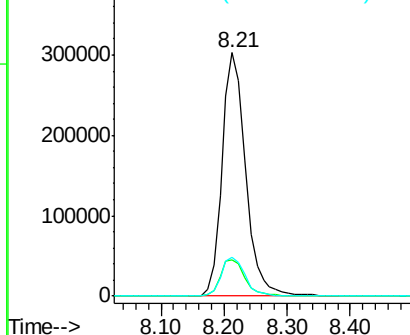


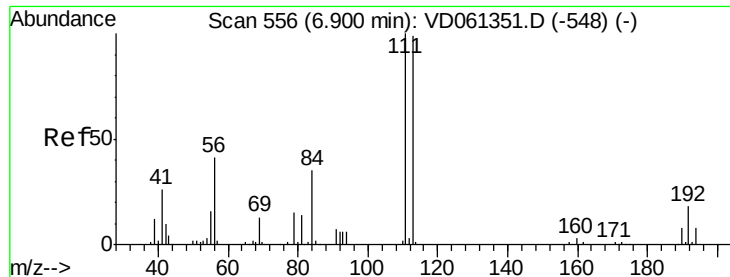
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD061440.D
 Acq: 29 Mar 2019 20:05

Tgt Ion: 114 Resp: 789532
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 31.6
 88 16.1 0.0 33.4



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: 6.92 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

AU-06-032819-C

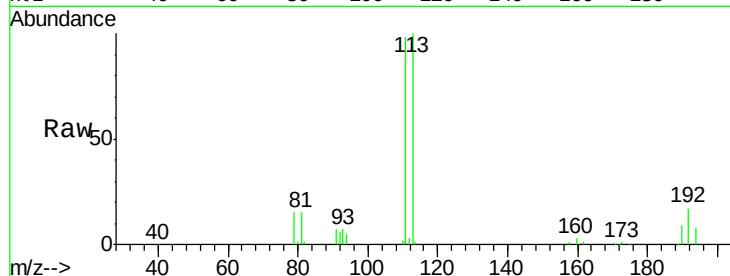
Tot Ion:113 Resp: 310420

Ion Ratio Lower Upper

113 100

111 97.8 81.0 121.6

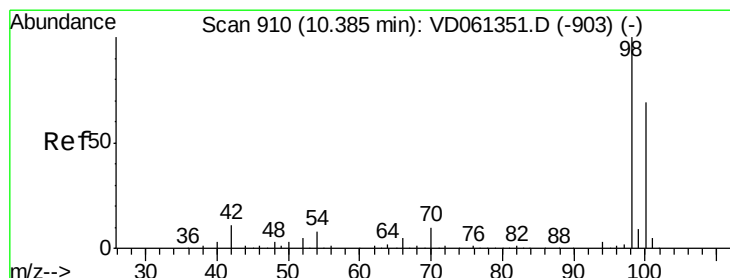
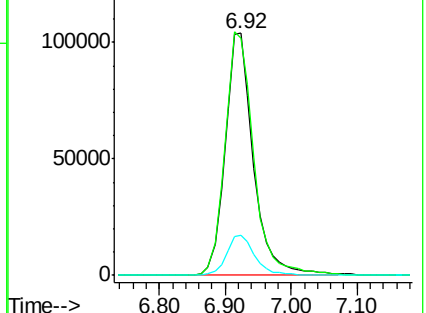
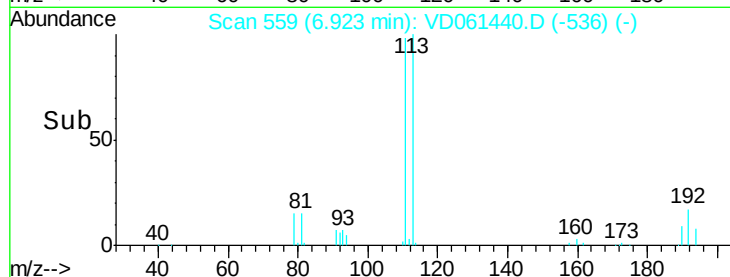
192 16.8 14.4 21.6



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.02 min

Lab File: VD061440.D

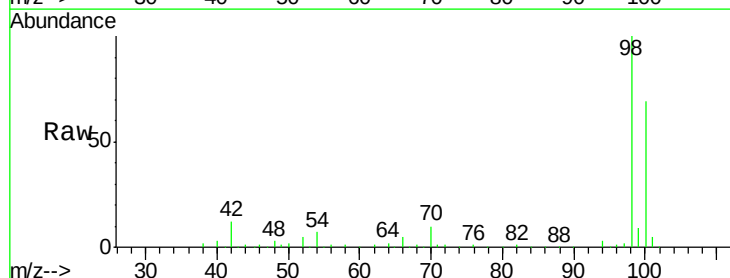
Acq: 29 Mar 2019 20:05

Tgt Ion: 98 Resp: 657108

Ion Ratio Lower Upper

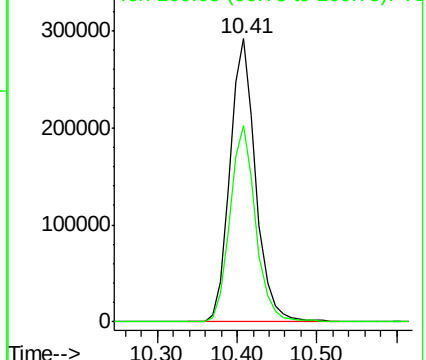
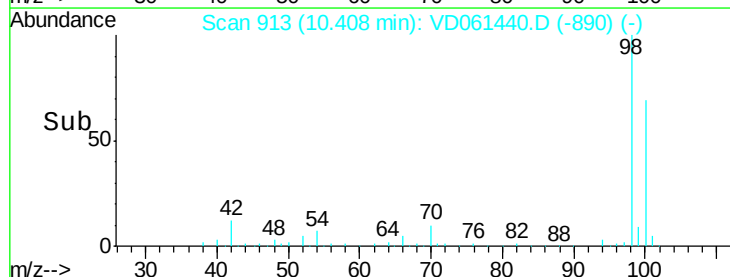
98 100

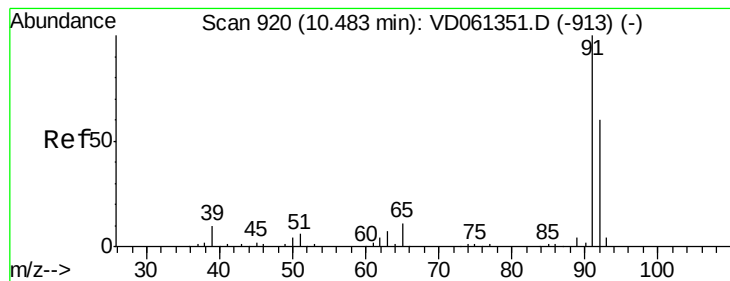
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 4.200 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

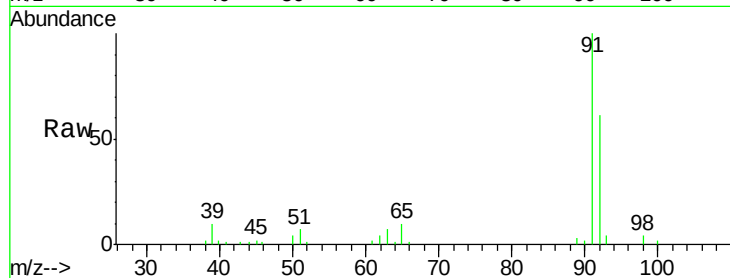
AU-06-032819-C

Tot Ion: 92 Resp: 44318

Ion Ratio Lower Upper

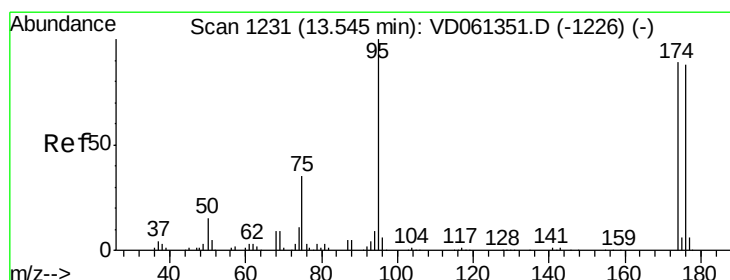
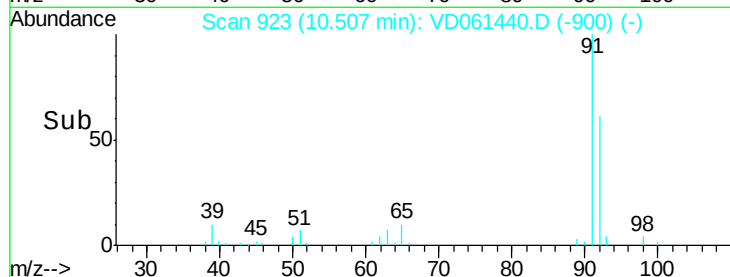
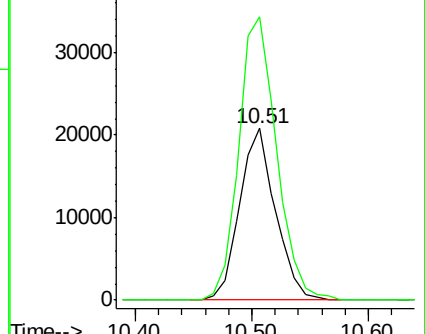
92 100

91 164.6 133.3 199.9



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# 1233

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

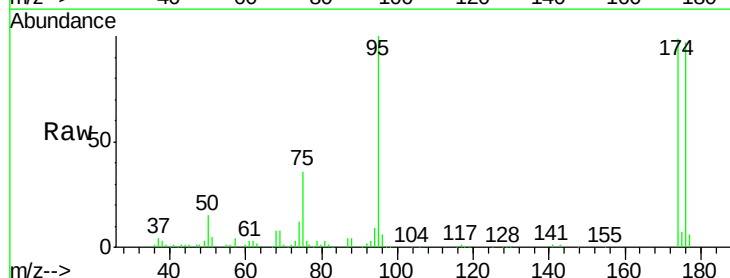
Tgt Ion: 95 Resp: 246279

Ion Ratio Lower Upper

95 100

174 99.3 0.0 178.0

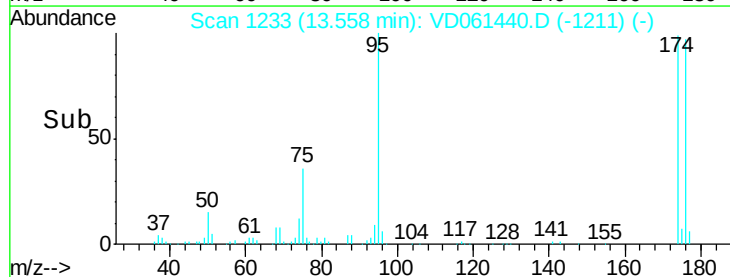
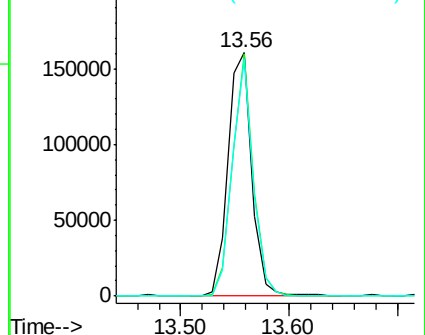
176 97.4 0.0 175.0

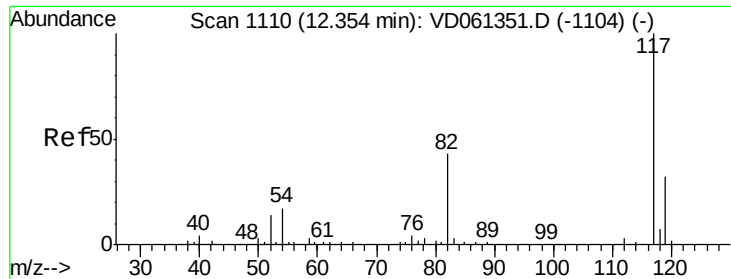


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

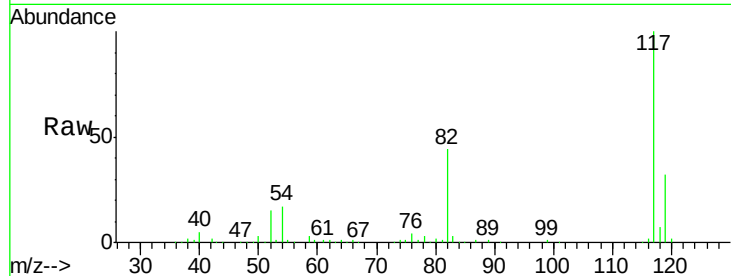




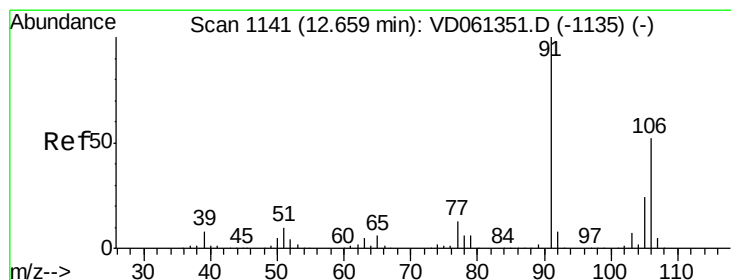
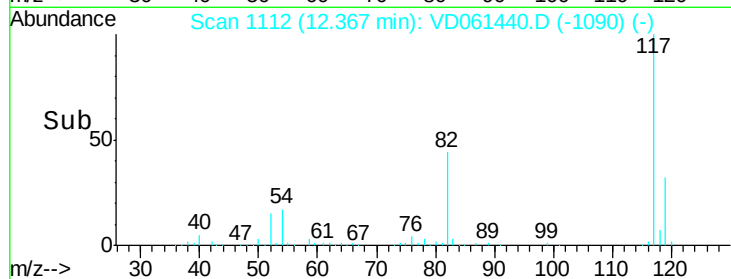
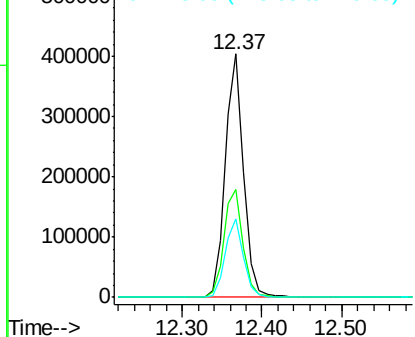
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061440.D
Acq: 29 Mar 2019 20:05

Instrument :
MSVOA_D
ClientSampleId :
AU-06-032819-C

Tot Ion:117 Resp: 650154
Ion Ratio Lower Upper
117 100
82 44.4 34.4 51.6
119 32.2 25.8 38.6

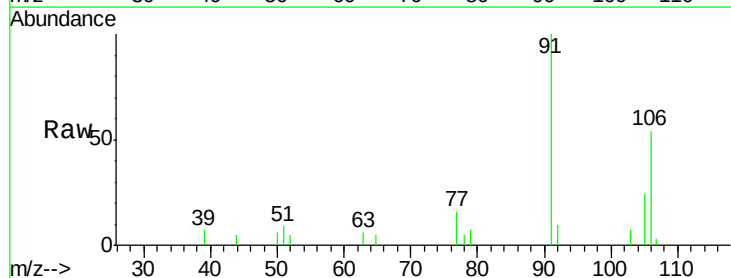


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

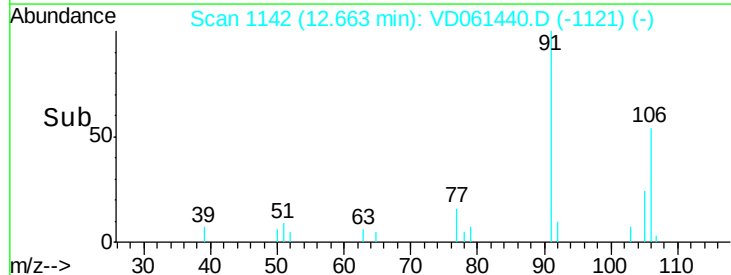
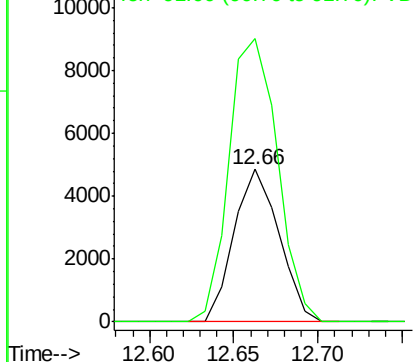


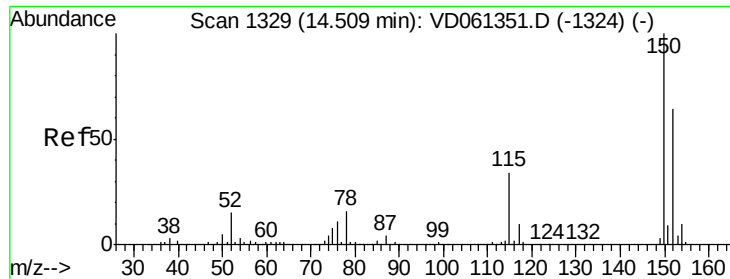
#68
m/p-Xylenes
Concen: 1.168 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061440.D
Acq: 29 Mar 2019 20:05

Tgt Ion:106 Resp: 8972
Ion Ratio Lower Upper
106 100
91 185.9 153.1 229.7



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

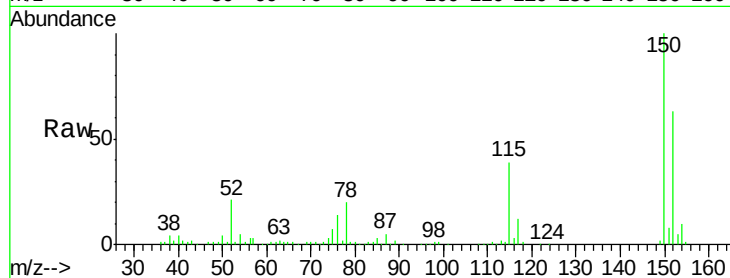




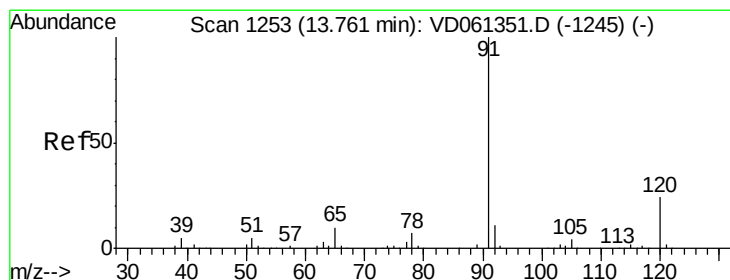
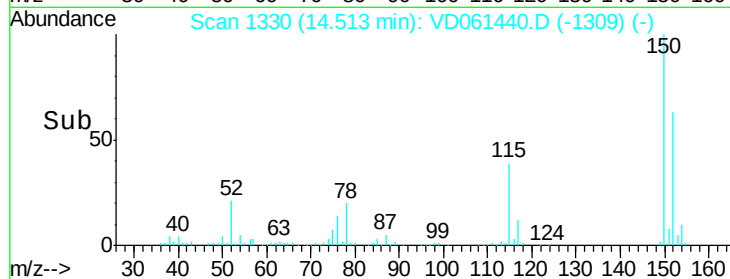
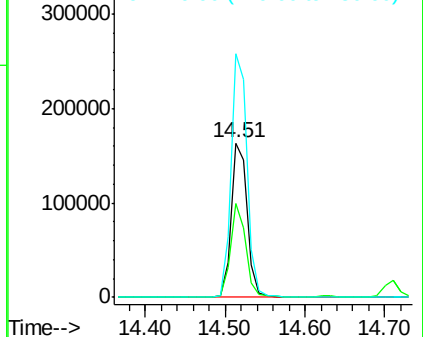
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061440.D
 Acq: 29 Mar 2019 20:05

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-032819-C

Tot Ion:152 Resp: 231205
 Ion Ratio Lower Upper
 152 100
 115 61.1 26.9 80.6
 150 158.1 0.0 318.0

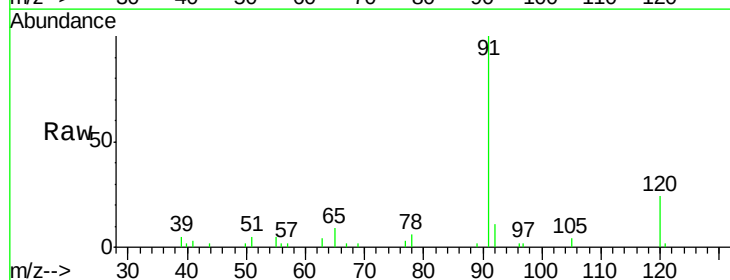


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

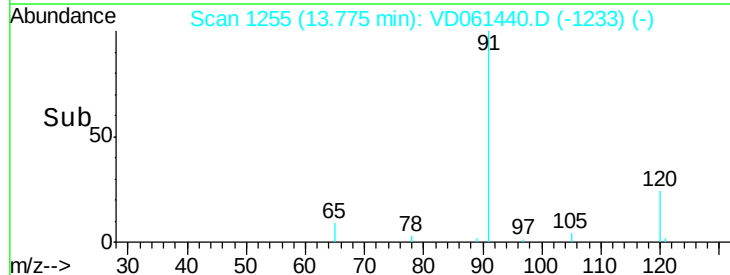
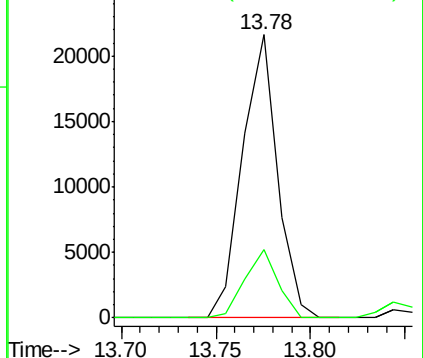


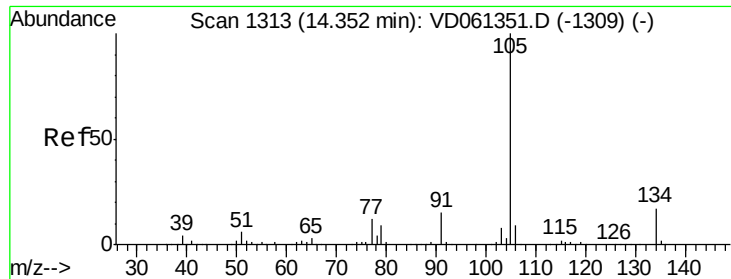
#78
 n-propylbenzene
 Concen: 1.401 ug/l
 RT: 13.78 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD061440.D
 Acq: 29 Mar 2019 20:05

Tgt Ion: 91 Resp: 27584
 Ion Ratio Lower Upper
 91 100
 120 24.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 1.953 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

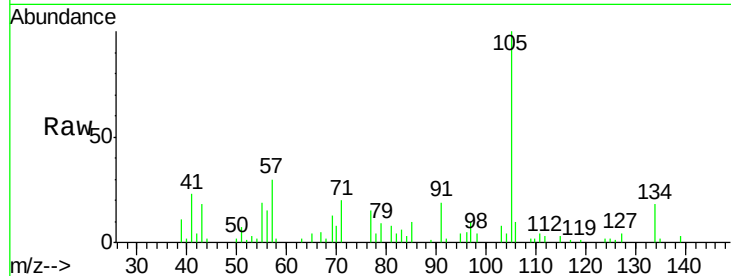
AU-06-032819-C

Tot Ion:105 Resp: 32366

Ion Ratio Lower Upper

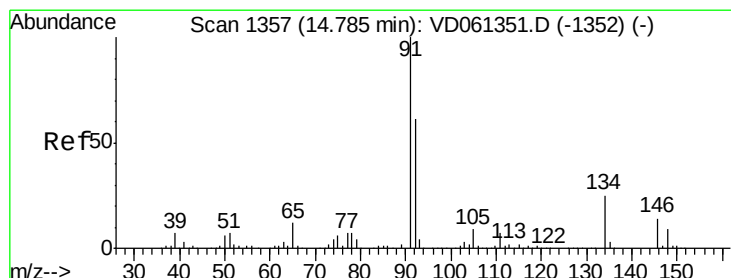
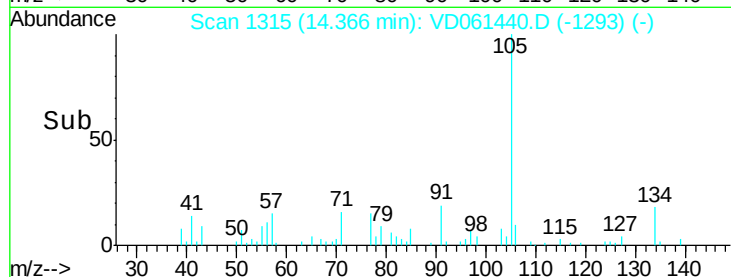
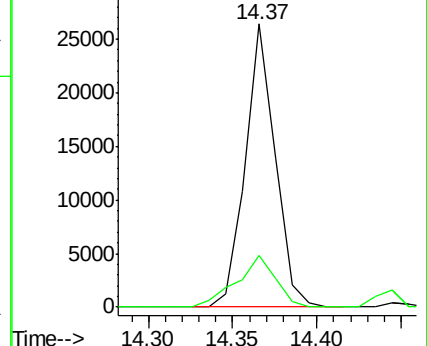
105 100

134 18.5 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#89

n-Butylbenzene

Concen: 3.200 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

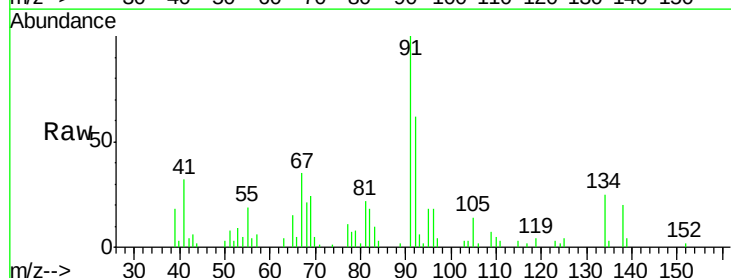
Tgt Ion: 91 Resp: 41170

Ion Ratio Lower Upper

91 100

92 61.9 30.3 91.0

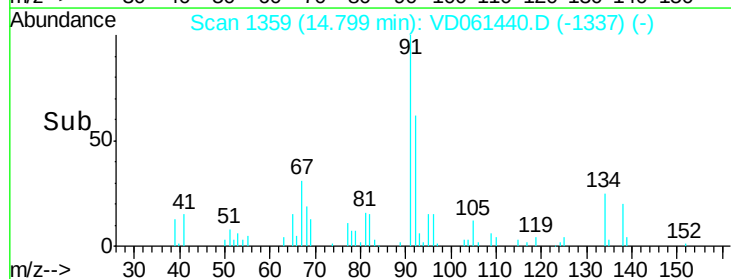
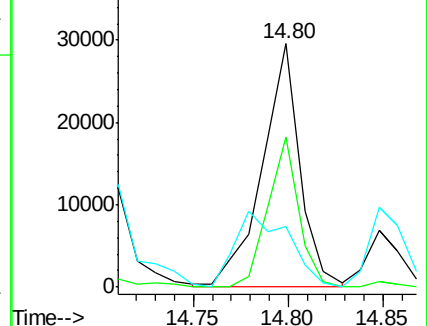
134 24.8 12.4 37.0

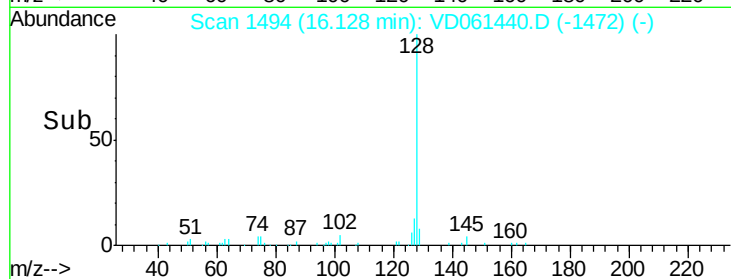
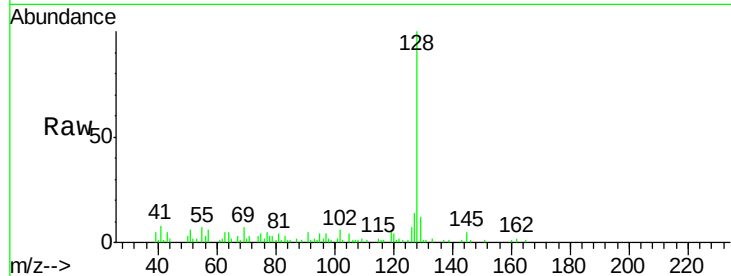
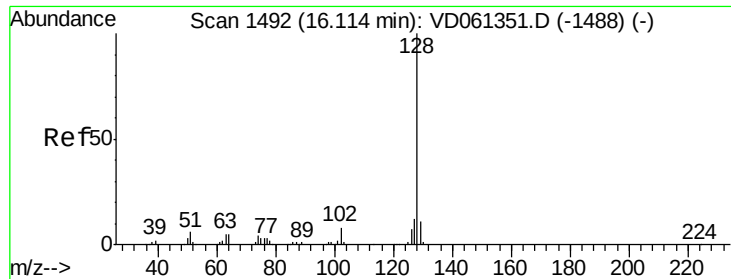


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#95

Naphthalene

Concen: 13.218 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061440.D

Acq: 29 Mar 2019 20:05

Instrument :

MSVOA_D

ClientSampleId :

AU-06-032819-C

Tot Ion:128 Resp: 60815

Ion Ratio Lower Upper

128 100

127 13.8 9.9 14.9

129 11.6 8.9 13.3

