

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062724.D
 Acq On : 17 Jun 2019 14:07
 Operator : VA/AP
 Sample : K3406-04
 Misc : 3.92g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B14-25-27

Quant Time: Jun 18 06:40:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	190313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	70151	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	14924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	9338	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	27639	10.06	ug/l	0.00
Spiked Amount			Recovery	=	20.12%	
35) Dibromofluoromethane	6.91	113	30543	41.28	ug/l	0.00
Spiked Amount			Recovery	=	82.56%	
50) Toluene-d8	10.41	98	34152	21.94	ug/l	0.00
Spiked Amount			Recovery	=	43.88%	
62) 4-Bromofluorobenzene	13.53	95	23473	32.33	ug/l	-0.02
Spiked Amount			Recovery	=	64.66%	

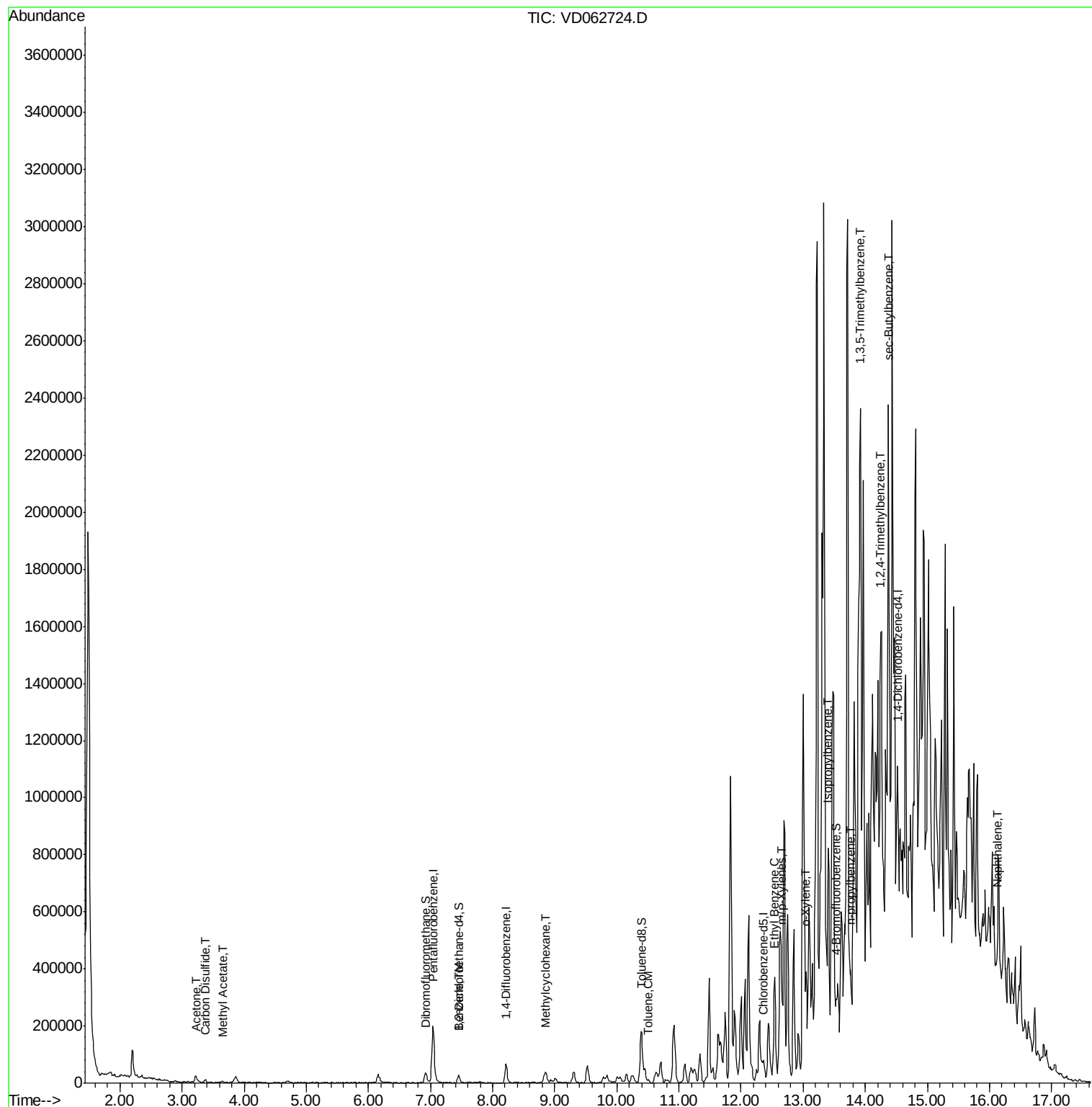
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	52132	103.668	ug/l #	89
17) Carbon Disulfide	3.38	76	17649	3.560	ug/l #	88
18) Methyl Acetate	3.65	43	10059	12.172	ug/l	96
39) Methylcyclohexane	8.85	83	17590	27.112	ug/l #	85
40) Benzene	7.45	78	5257	3.353	ug/l	95
52) Toluene	10.51	92	4672	4.433	ug/l	90
67) Ethyl Benzene	12.52	91	14486	24.750	ug/l #	80
68) m/p-Xylenes	12.66	106	22100	107.405	ug/l	98
69) o-Xylene	13.05	106	10359	54.817	ug/l	62
73) Isopropylbenzene	13.40	105	7206	10.948	ug/l #	76
78) n-propylbenzene	13.76	91	21634	26.852	ug/l	85
80) 1,3,5-Trimethylbenzene	13.93	105	30945	53.198	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	112120	194.670	ug/l	98
85) sec-Butylbenzene	14.37	105	22337	33.202	ug/l	95
95) Naphthalene	16.12	128	34193	97.403	ug/l #	90

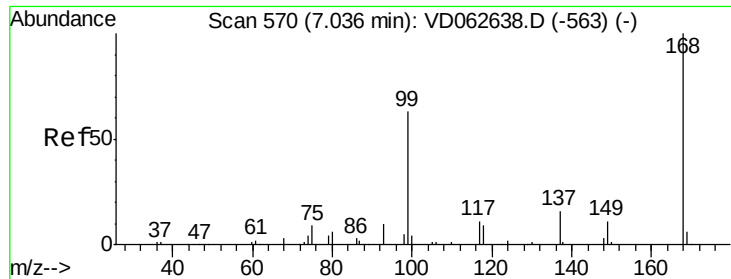
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062724.D
Acq On : 17 Jun 2019 14:07
Operator : VA/AP
Sample : K3406-04
Misc : 3.92g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B14-25-27

Quant Time: Jun 18 06:40:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062724.D

Acq: 17 Jun 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

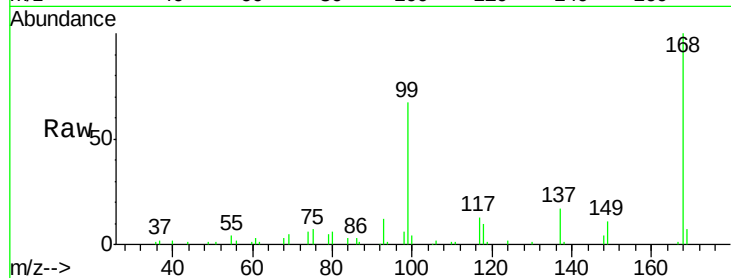
BAT-B14-25-27

Tot Ion:168 Resp: 190313

Ion Ratio Lower Upper

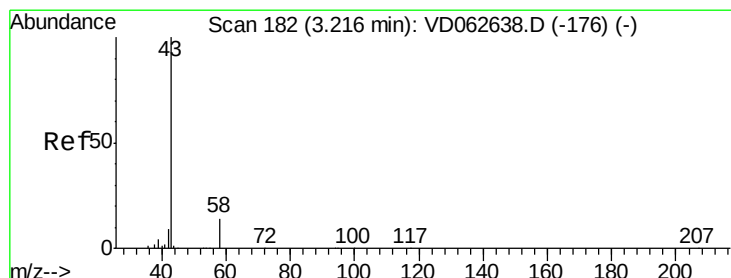
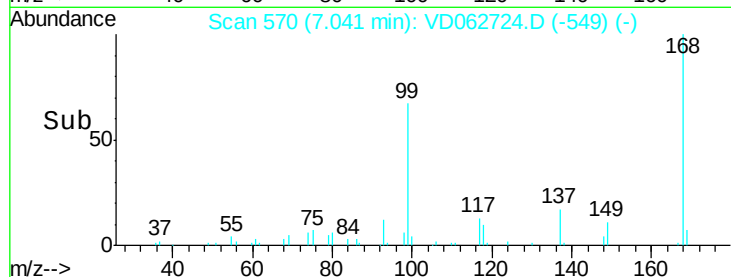
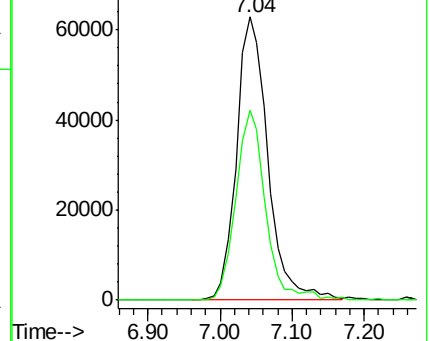
168 100

99 67.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 103.668 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062724.D

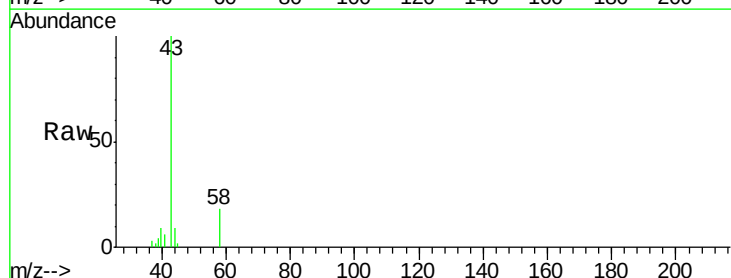
Acq: 17 Jun 2019 14:07

Tgt Ion: 43 Resp: 52132

Ion Ratio Lower Upper

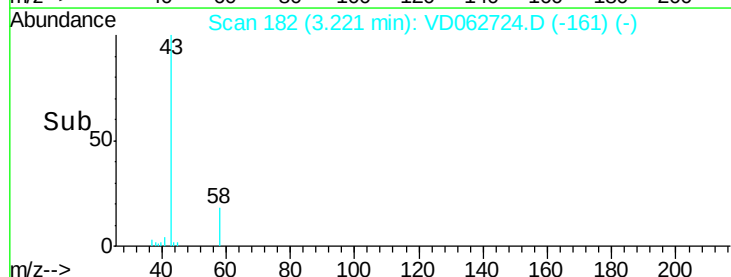
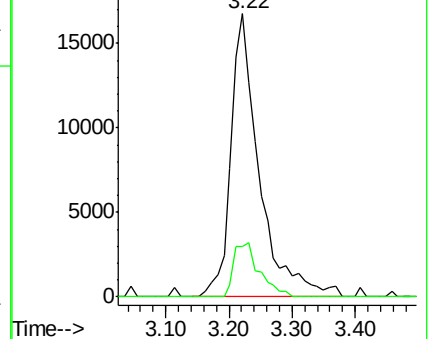
43 100

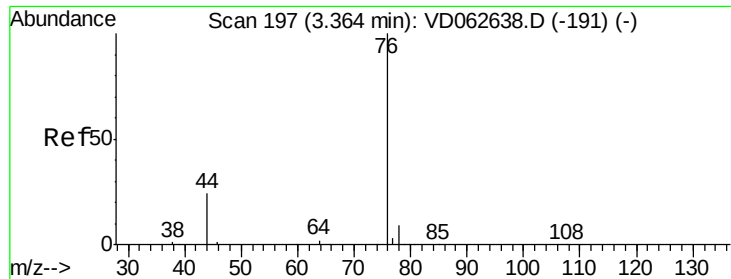
58 17.8 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

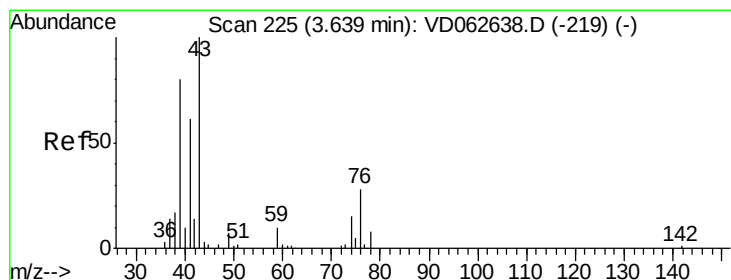
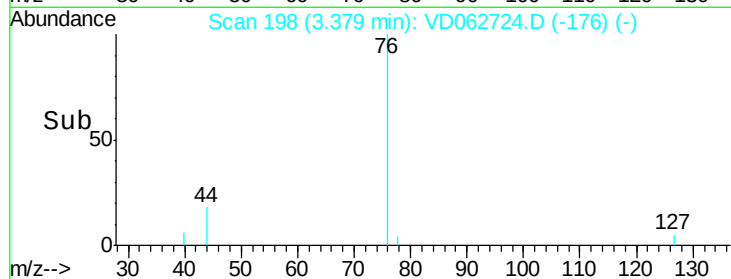
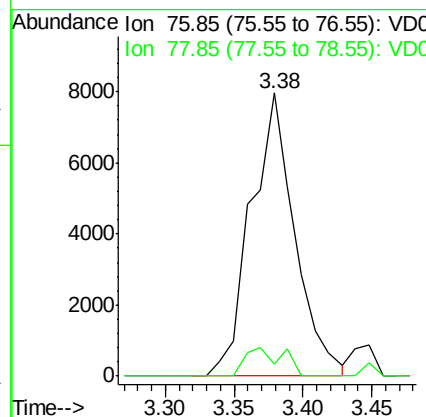
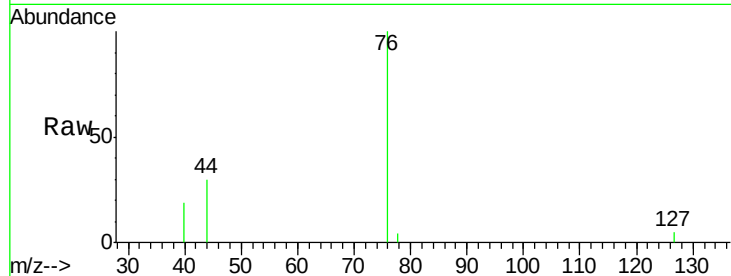




#17
Carbon Disulfide
Concen: 3.560 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.02 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

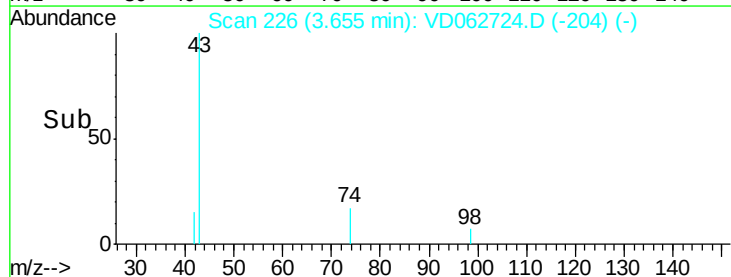
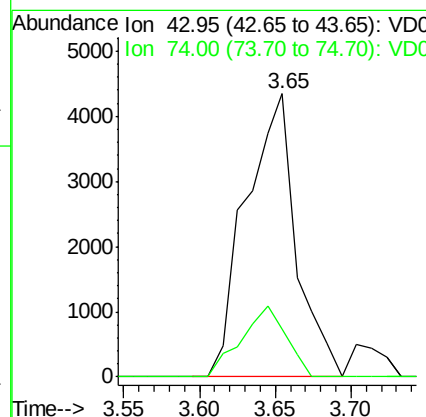
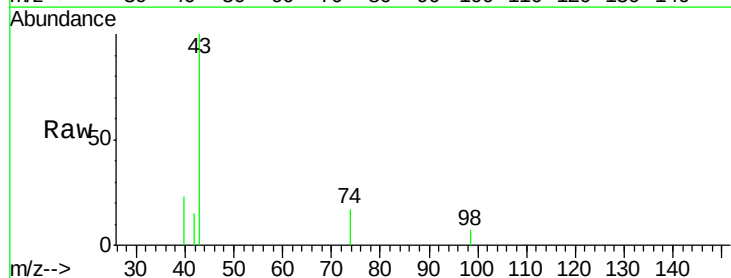
Instrument :
MSVOA_D
ClientSampleId :
BAT-B14-25-27

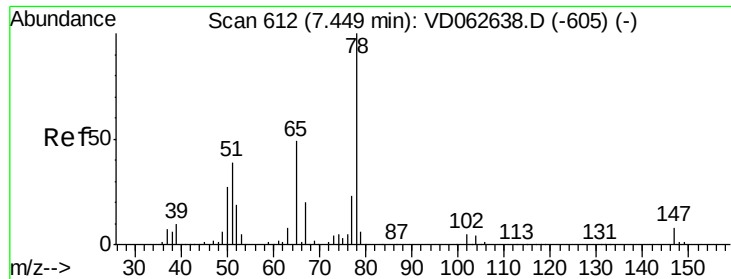
Tot Ion: 76 Resp: 17649
Ion Ratio Lower Upper
76 100
78 4.5 7.0 10.4#



#18
Methyl Acetate
Concen: 12.172 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

Tgt Ion: 43 Resp: 10059
Ion Ratio Lower Upper
43 100
74 16.9 12.1 18.1

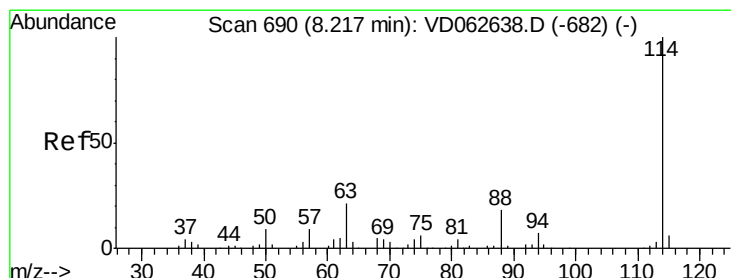
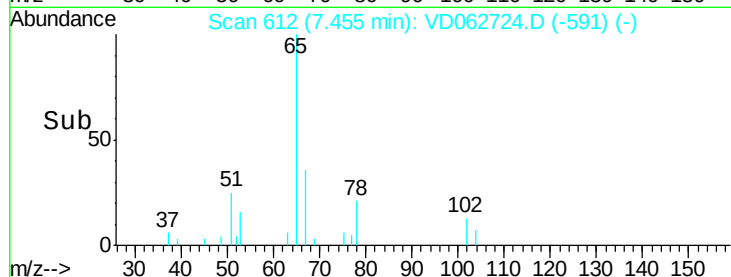
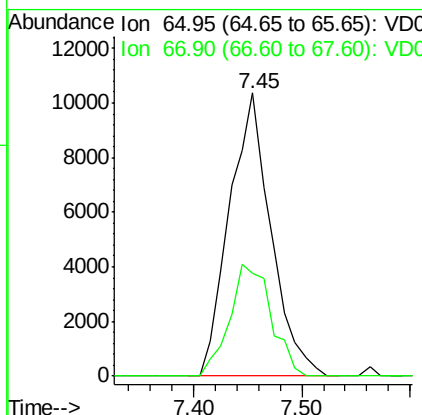
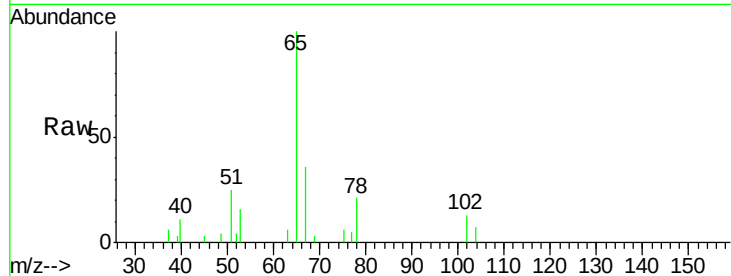




#33
 1,2-Dichloroethane-d4
 Concen: 10.064 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

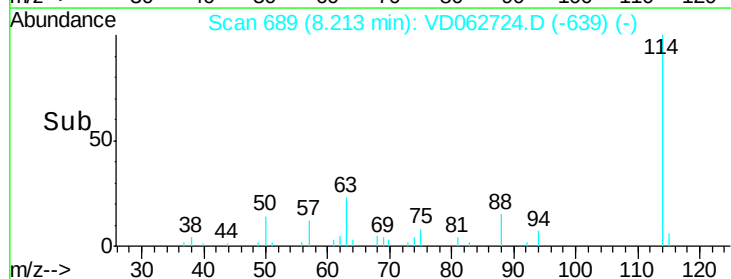
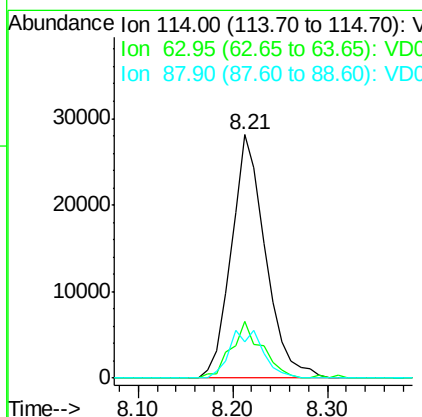
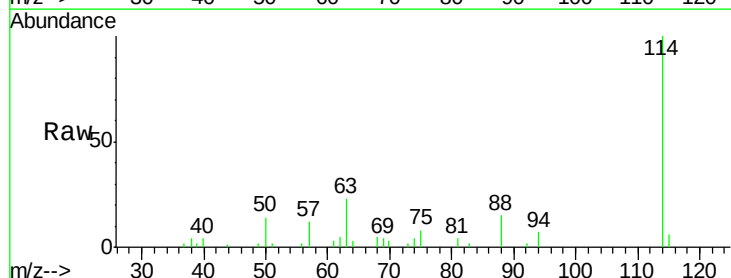
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B14-25-27

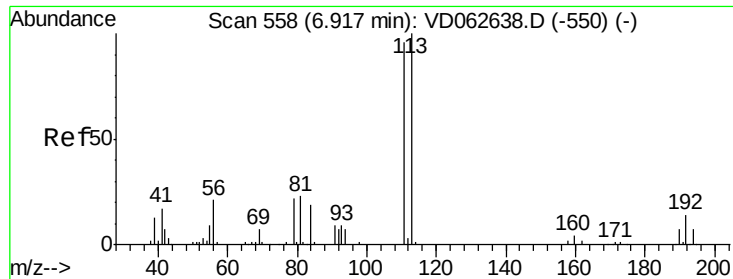
Tot Ion: 65 Resp: 27639
 Ion Ratio Lower Upper
 65 100
 67 36.4 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

Tgt Ion: 114 Resp: 70151
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 42.4
 88 15.0 0.0 36.8

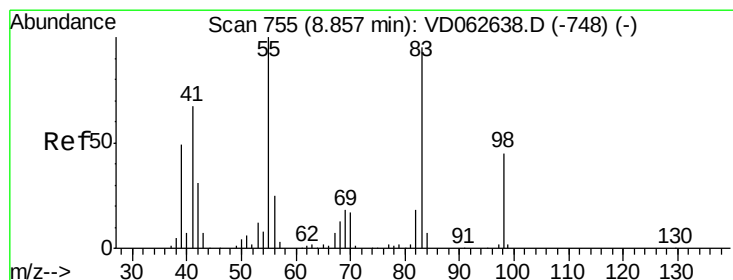
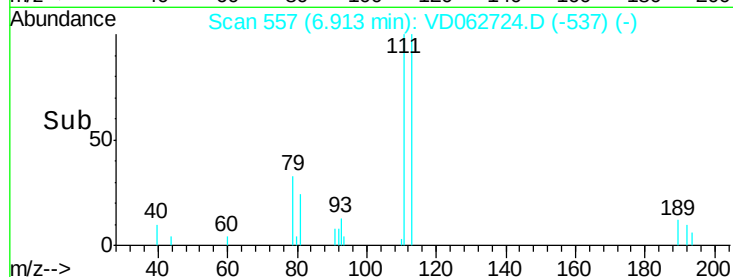
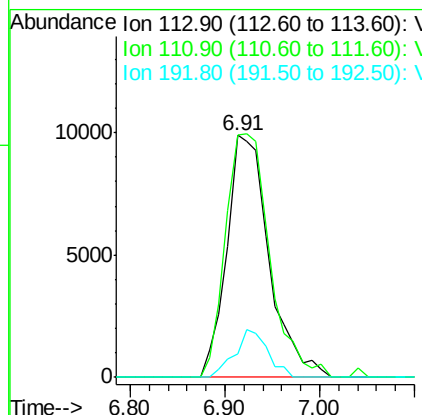
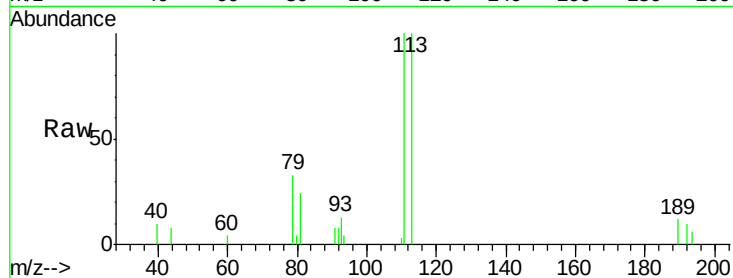




#35
 Dibromofluoromethane
 Concen: 41.283 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

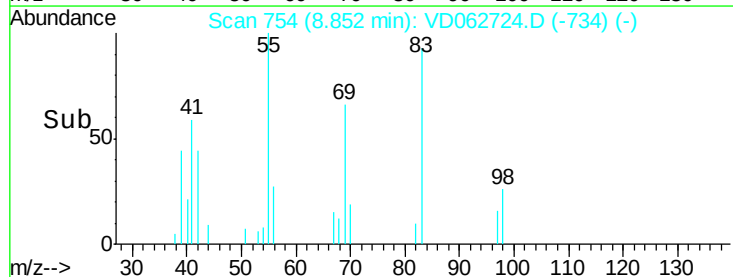
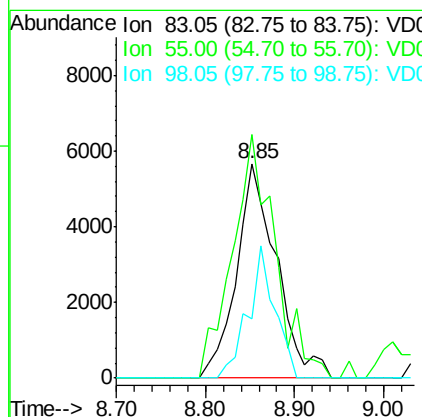
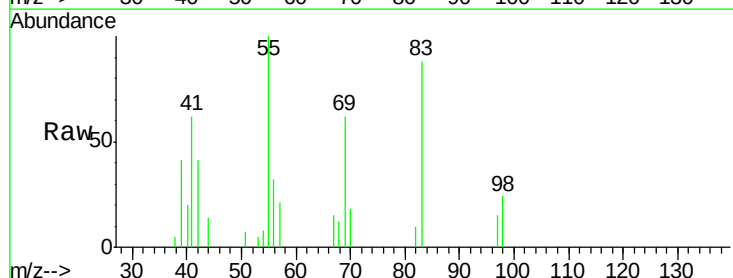
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B14-25-27

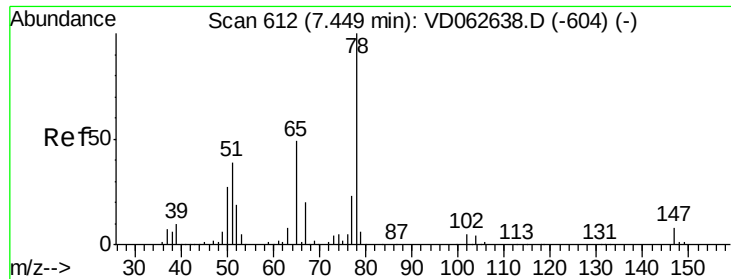
Tot Ion:113 Resp: 30543
 Ion Ratio Lower Upper
 113 100
 111 100.4 76.4 114.6
 192 9.7 11.4 17.0#



#39
 Methylcyclohexane
 Concen: 27.112 ug/l
 RT: 8.85 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

Tgt Ion: 83 Resp: 17590
 Ion Ratio Lower Upper
 83 100
 55 113.4 84.6 127.0
 98 27.4 38.2 57.4#

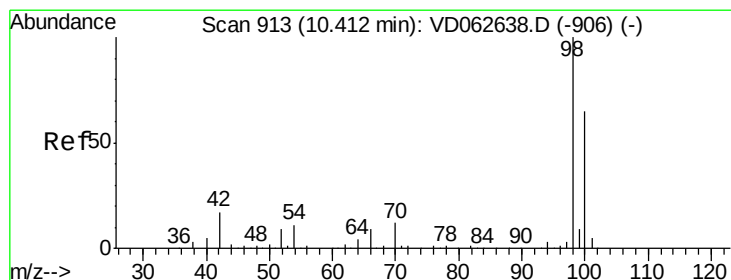
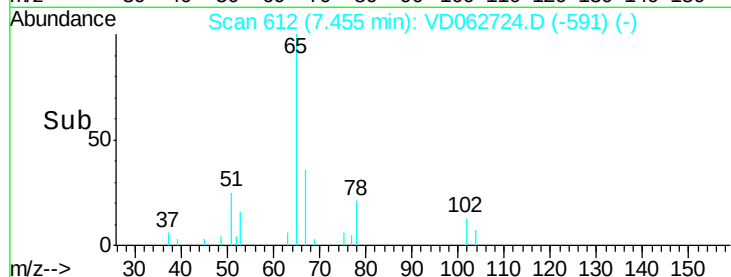
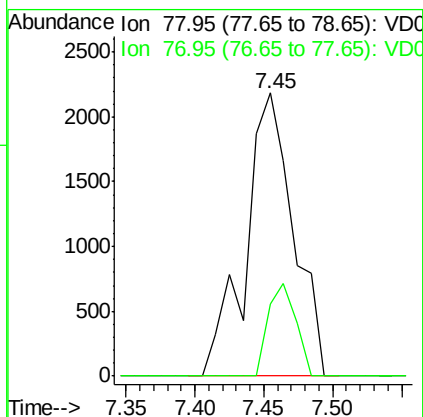
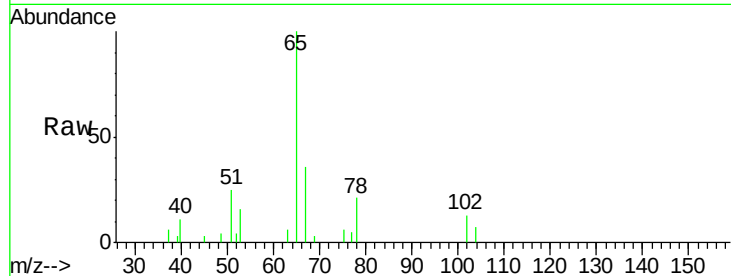




#40
Benzene
Concen: 3.353 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

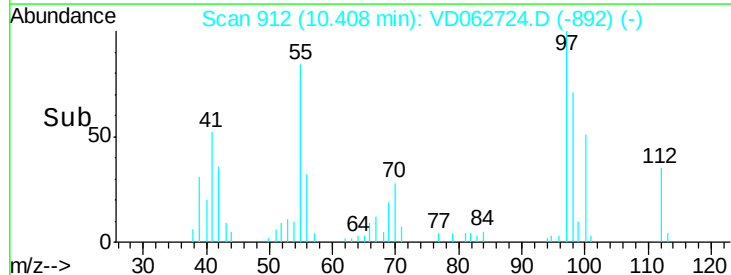
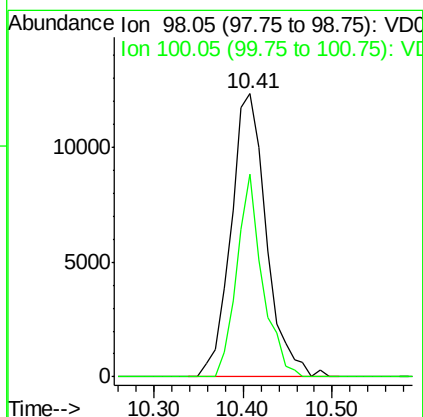
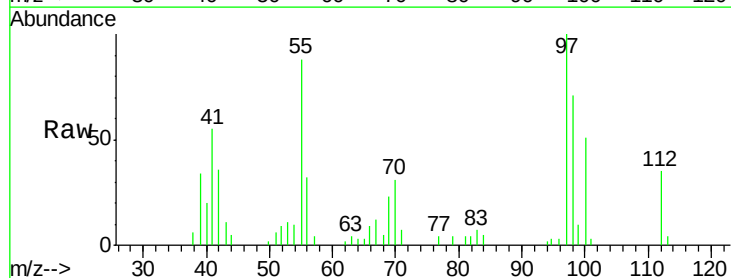
Instrument :
MSVOA_D
ClientSampleId :
BAT-B14-25-27

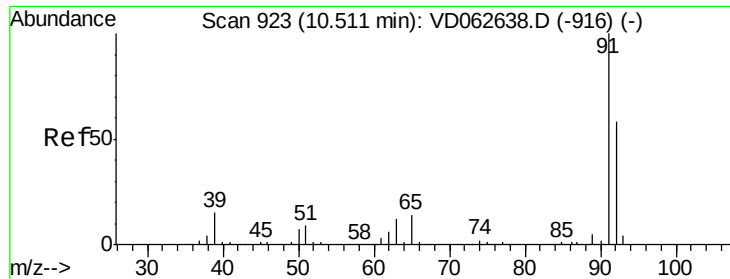
Tot Ion: 78 Resp: 5257
Ion Ratio Lower Upper
78 100
77 25.6 18.6 28.0



#50
Toluene-d8
Concen: 21.944 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

Tgt Ion: 98 Resp: 34152
Ion Ratio Lower Upper
98 100
100 71.6 52.1 78.1

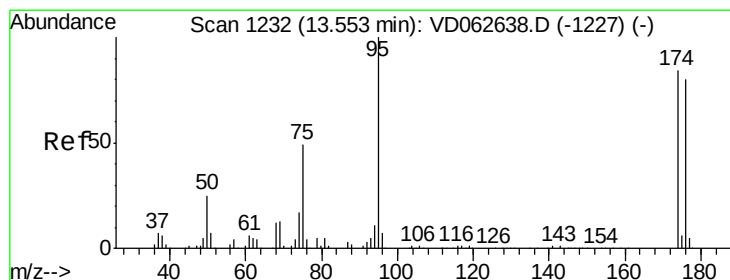
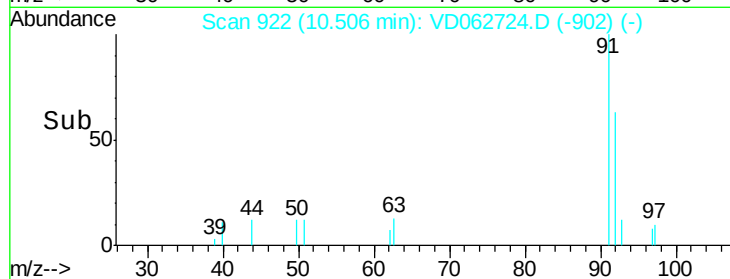
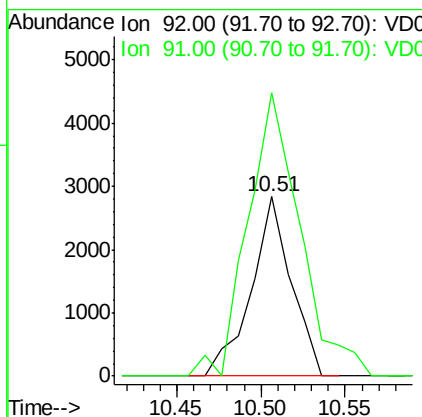
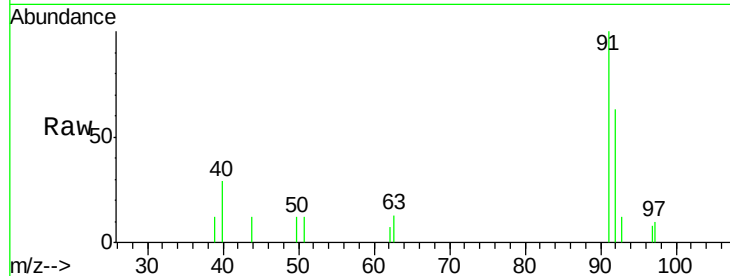




#52
Toluene
Concen: 4.433 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.00 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

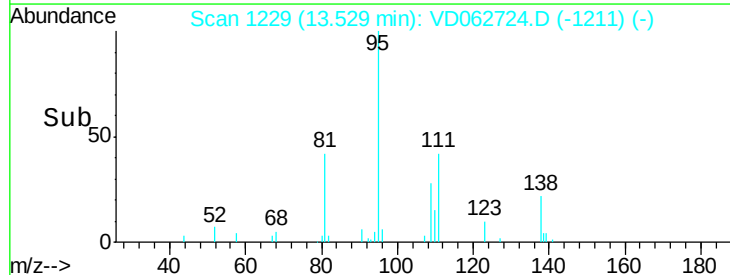
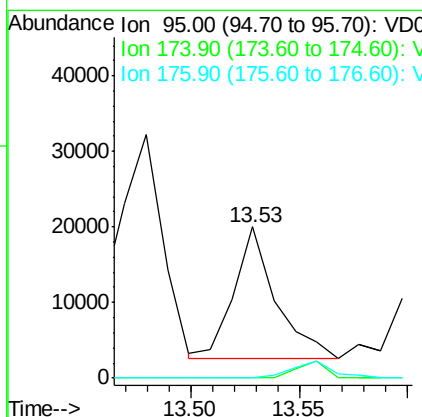
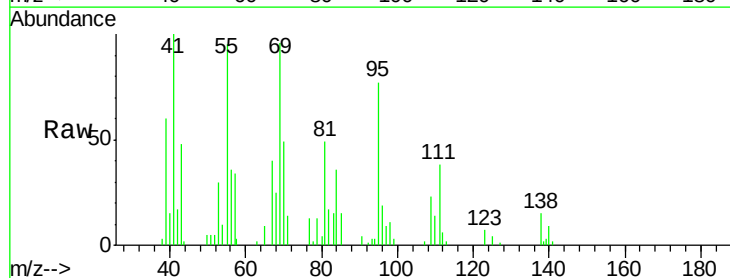
Instrument :
MSVOA_D
ClientSampleId :
BAT-B14-25-27

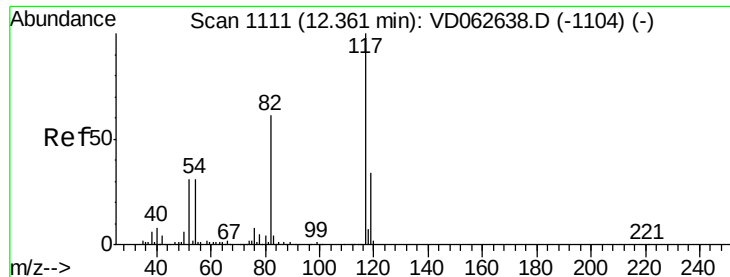
Tot Ion: 92 Resp: 4672
Ion Ratio Lower Upper
92 100
91 157.9 137.0 205.6



#62
4-Bromofluorobenzene
Concen: 32.328 ug/l
RT: 13.53 min Scan# 1229
Delta R.T. -0.02 min
Lab File: VD062724.D
Acq: 17 Jun 2019 14:07

Tgt Ion: 95 Resp: 23473
Ion Ratio Lower Upper
95 100
174 0.0 0.0 167.0
176 0.0 0.0 159.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD062724.D

Acq: 17 Jun 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

BAT-B14-25-27

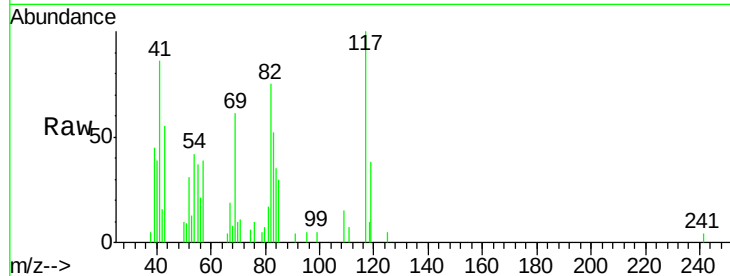
Tot Ion:117 Resp: 14924

Ion Ratio Lower Upper

117 100

82 74.6 48.7 73.1#

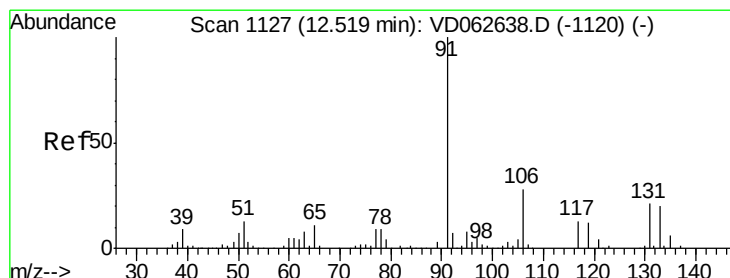
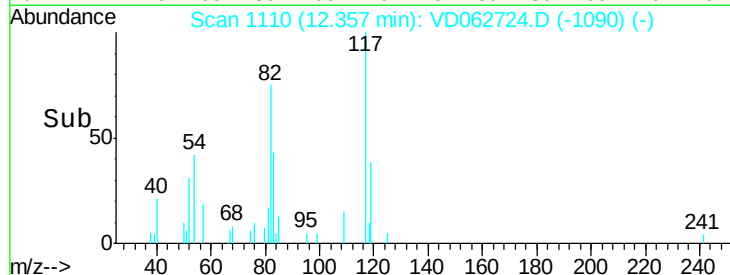
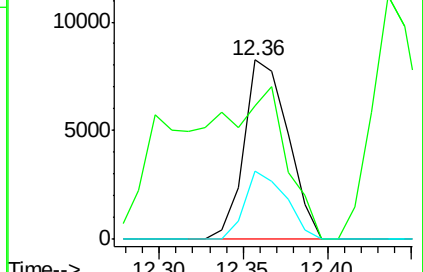
119 37.9 27.0 40.6



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



#67

Ethyl Benzene

Concen: 24.750 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062724.D

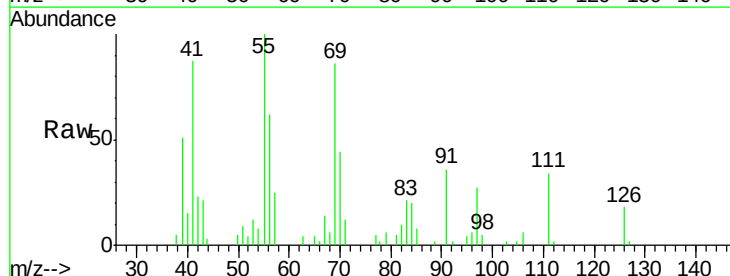
Acq: 17 Jun 2019 14:07

Tgt Ion: 91 Resp: 14486

Ion Ratio Lower Upper

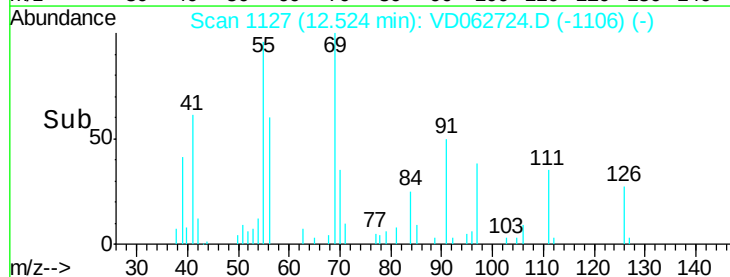
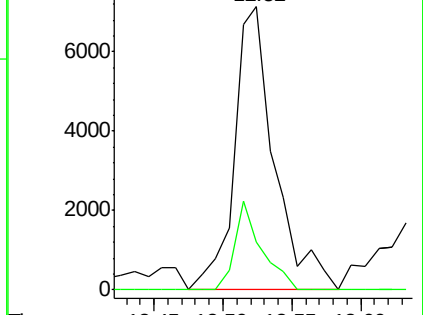
91 100

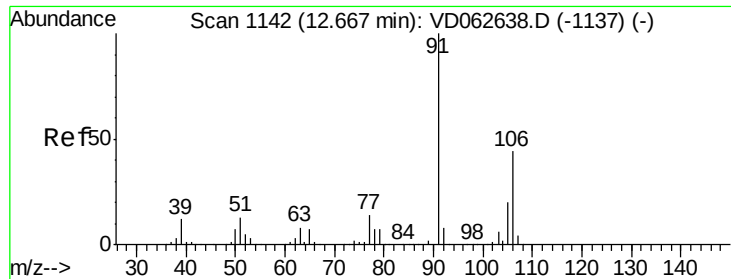
106 17.1 22.1 33.1#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V





#68

m/p-Xylenes

Concen: 107.405 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD062724.D

Acq: 17 Jun 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

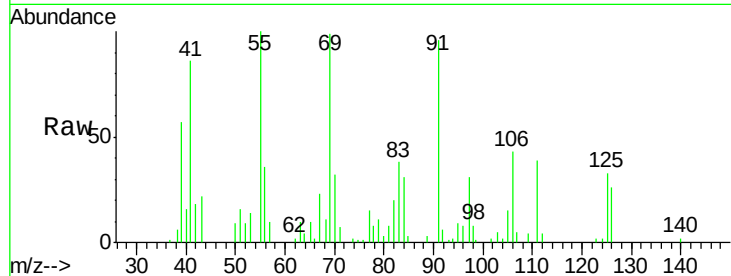
BAT-B14-25-27

Tot Ion:106 Resp: 22100

Ion Ratio Lower Upper

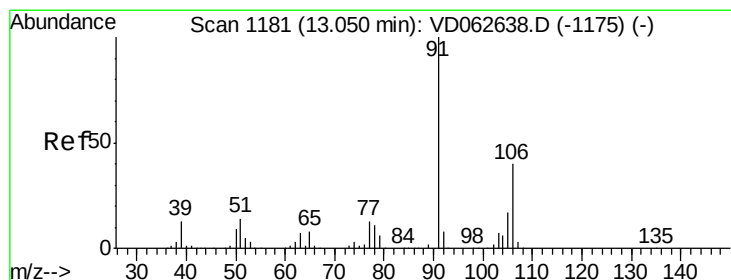
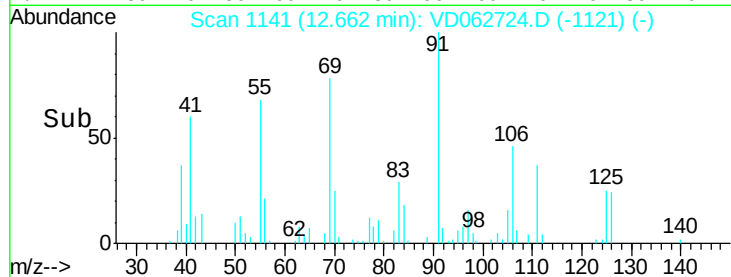
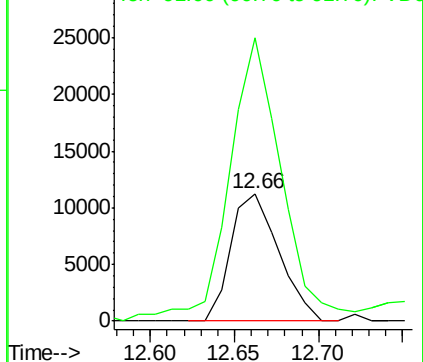
106 100

91 222.3 180.2 270.4



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 54.817 ug/l

RT: 13.05 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD062724.D

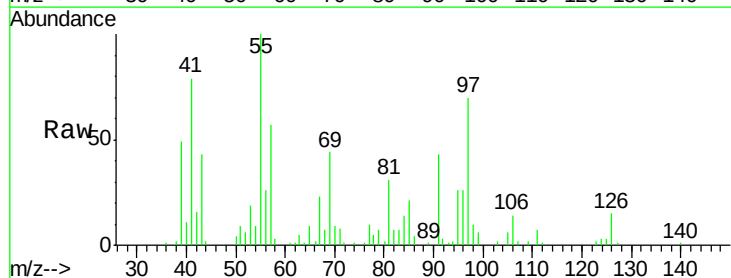
Acq: 17 Jun 2019 14:07

Tgt Ion:106 Resp: 10359

Ion Ratio Lower Upper

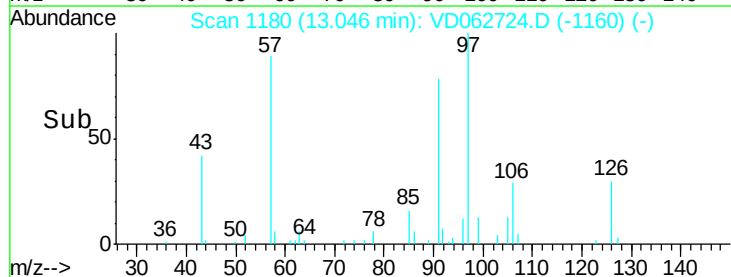
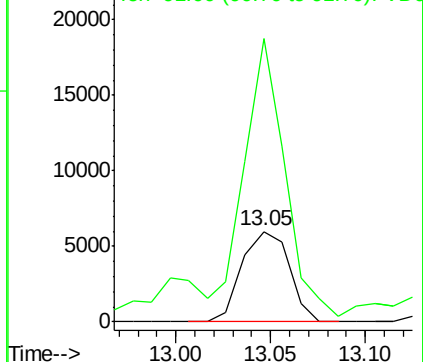
106 100

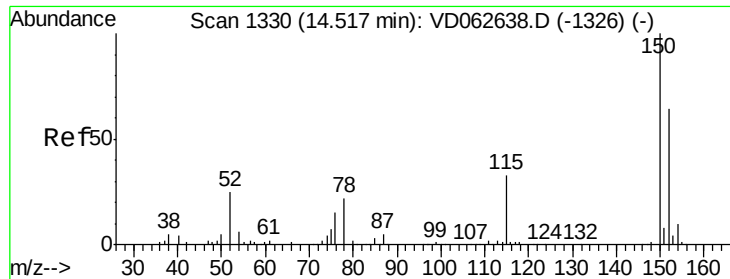
91 314.2 124.1 372.1



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: VD062724.D

Acq: 17 Jun 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

BAT-B14-25-27

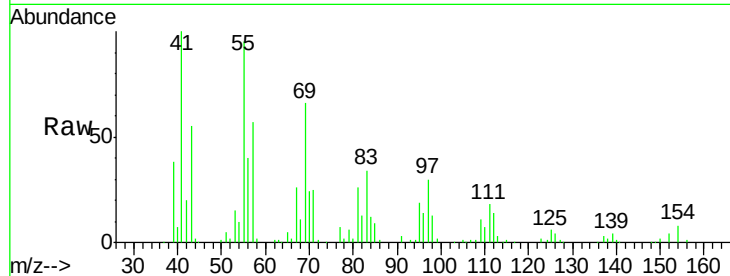
Tot Ion:152 Resp: 9338

Ion Ratio Lower Upper

152 100

115 25.0 30.1 90.5#

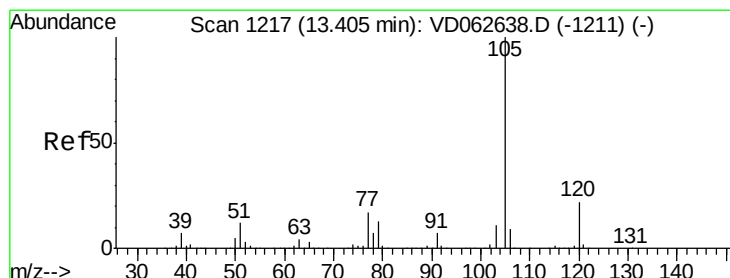
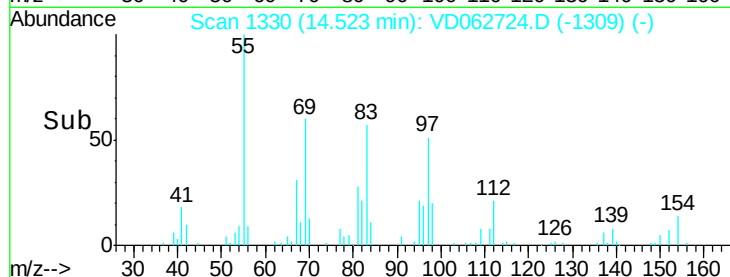
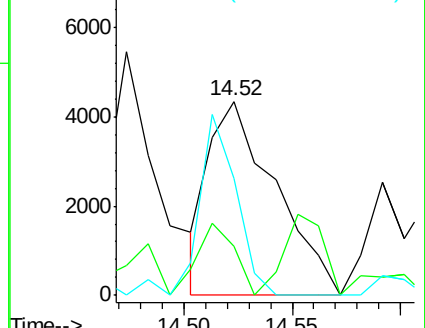
150 60.2 0.0 314.0



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



#73

Isopropylbenzene

Concen: 10.948 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062724.D

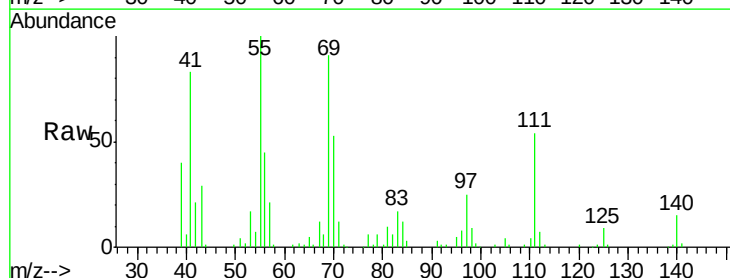
Acq: 17 Jun 2019 14:07

Tgt Ion:105 Resp: 7206

Ion Ratio Lower Upper

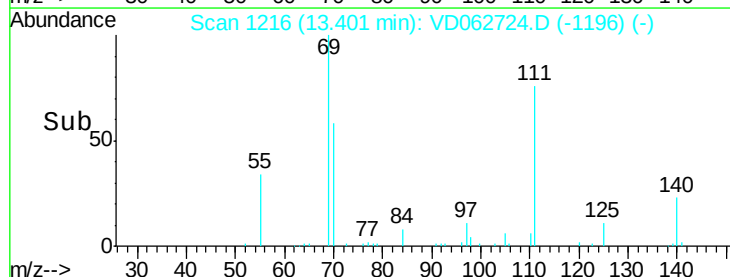
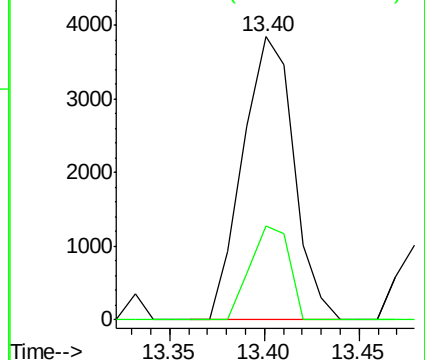
105 100

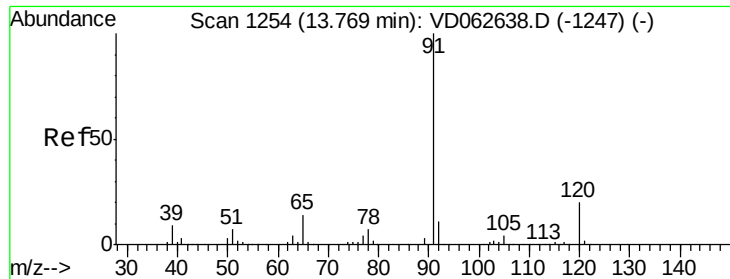
120 33.2 10.9 32.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 26.852 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD062724.D

Acq: 17 Jun 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

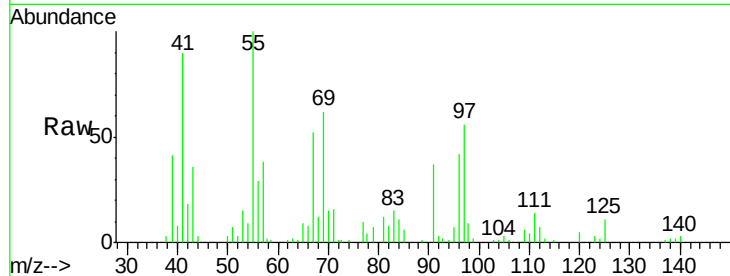
BAT-B14-25-27

Tot Ion: 91 Resp: 21634

Ion Ratio Lower Upper

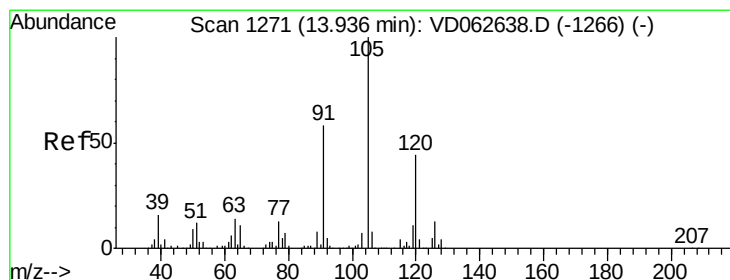
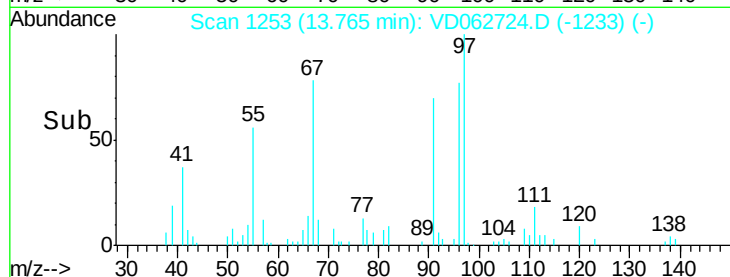
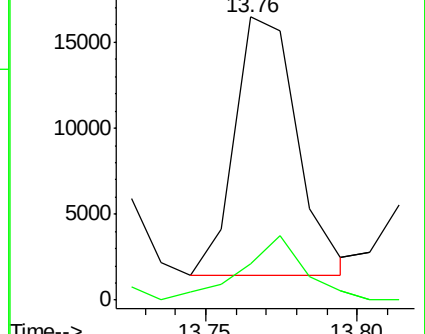
91 100

120 12.7 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1247) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1247) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.198 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062724.D

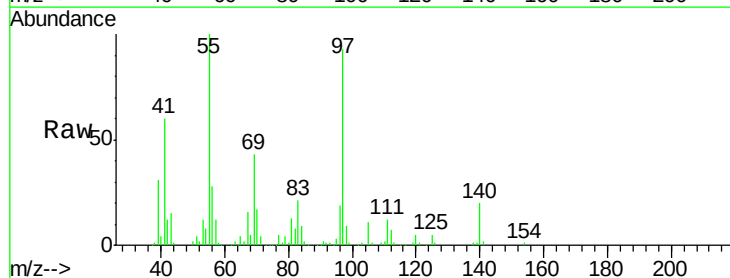
Acq: 17 Jun 2019 14:07

Tgt Ion: 105 Resp: 30945

Ion Ratio Lower Upper

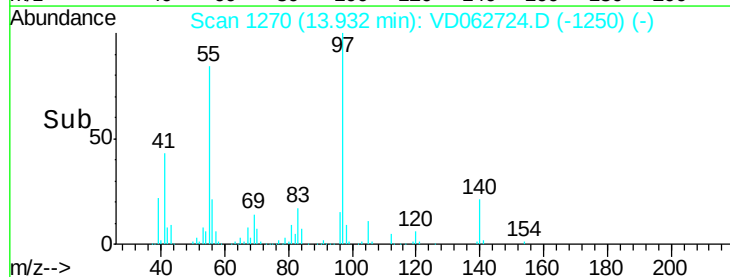
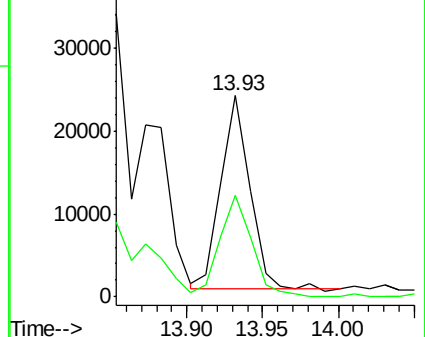
105 100

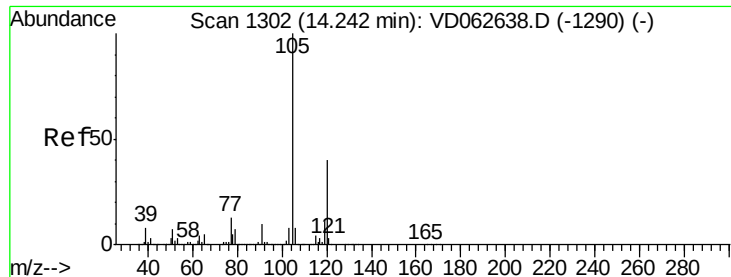
120 50.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)

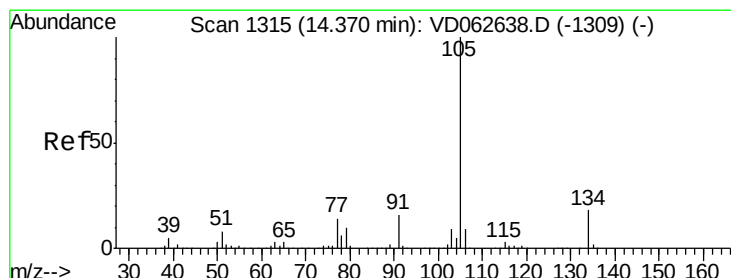
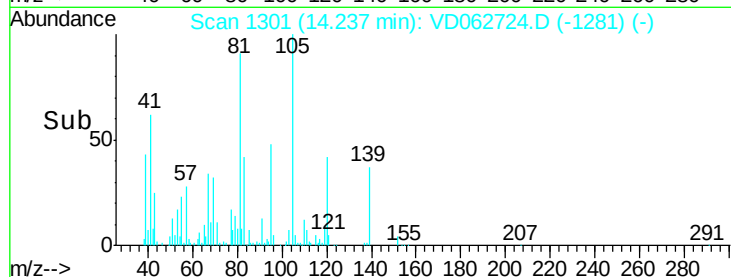
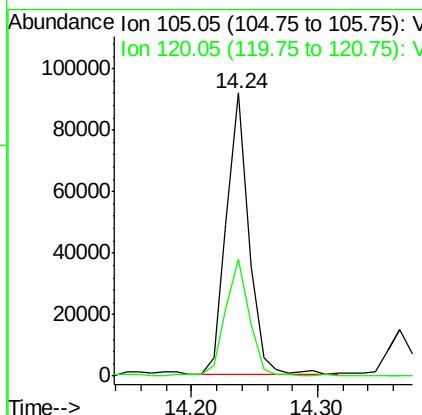
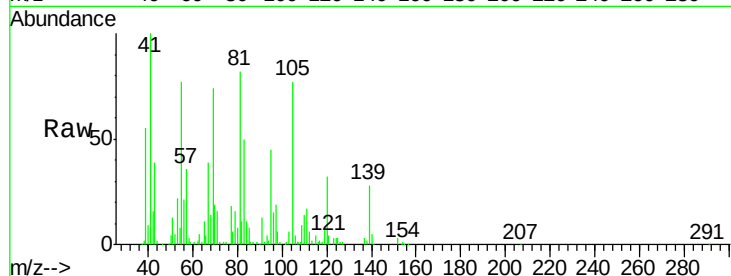




#84
 1,2,4-Trimethylbenzene
 Concen: 194.670 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

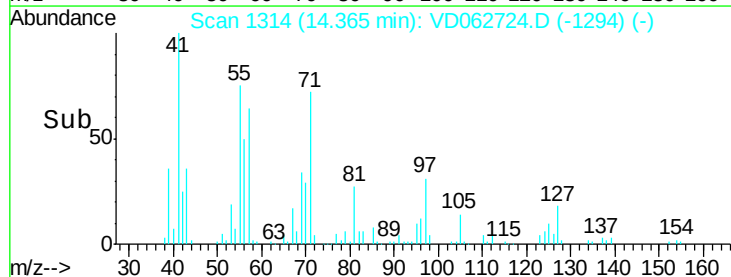
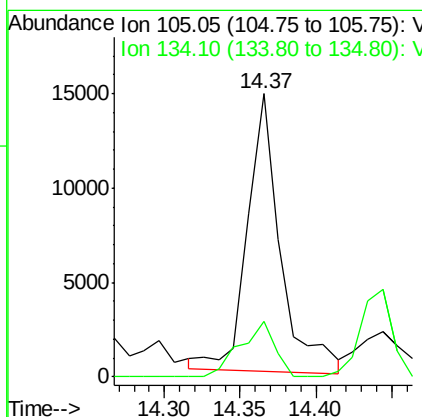
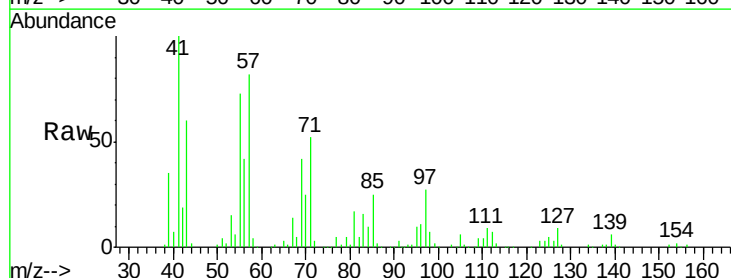
Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B14-25-27

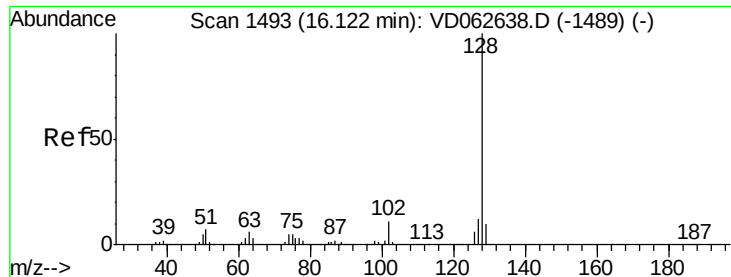
Tot Ion:105 Resp: 112120
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.3 60.8



#85
 sec-Butylbenzene
 Concen: 33.202 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

Tgt Ion:105 Resp: 22337
 Ion Ratio Lower Upper
 105 100
 134 19.6 8.8 26.2

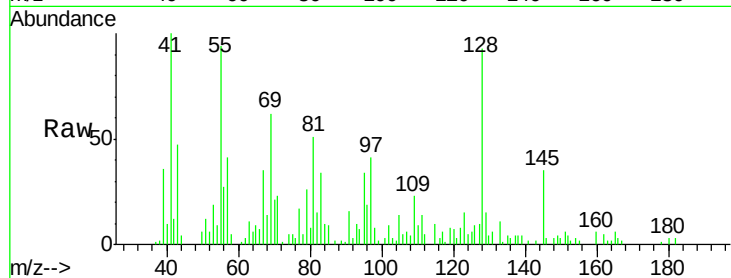




#95
 Naphthalene
 Concen: 97.403 ug/l
 RT: 16.12 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VD062724.D
 Acq: 17 Jun 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B14-25-27

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.4	9.7	14.5
129	16.4	8.1	12.1



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

