

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063006.D
 Acq On : 2 Jul 2019 17:00
 Operator : VA/AP
 Sample : K3618-01
 Misc : 6.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-070219

Quant Time: Jul 03 01:22:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

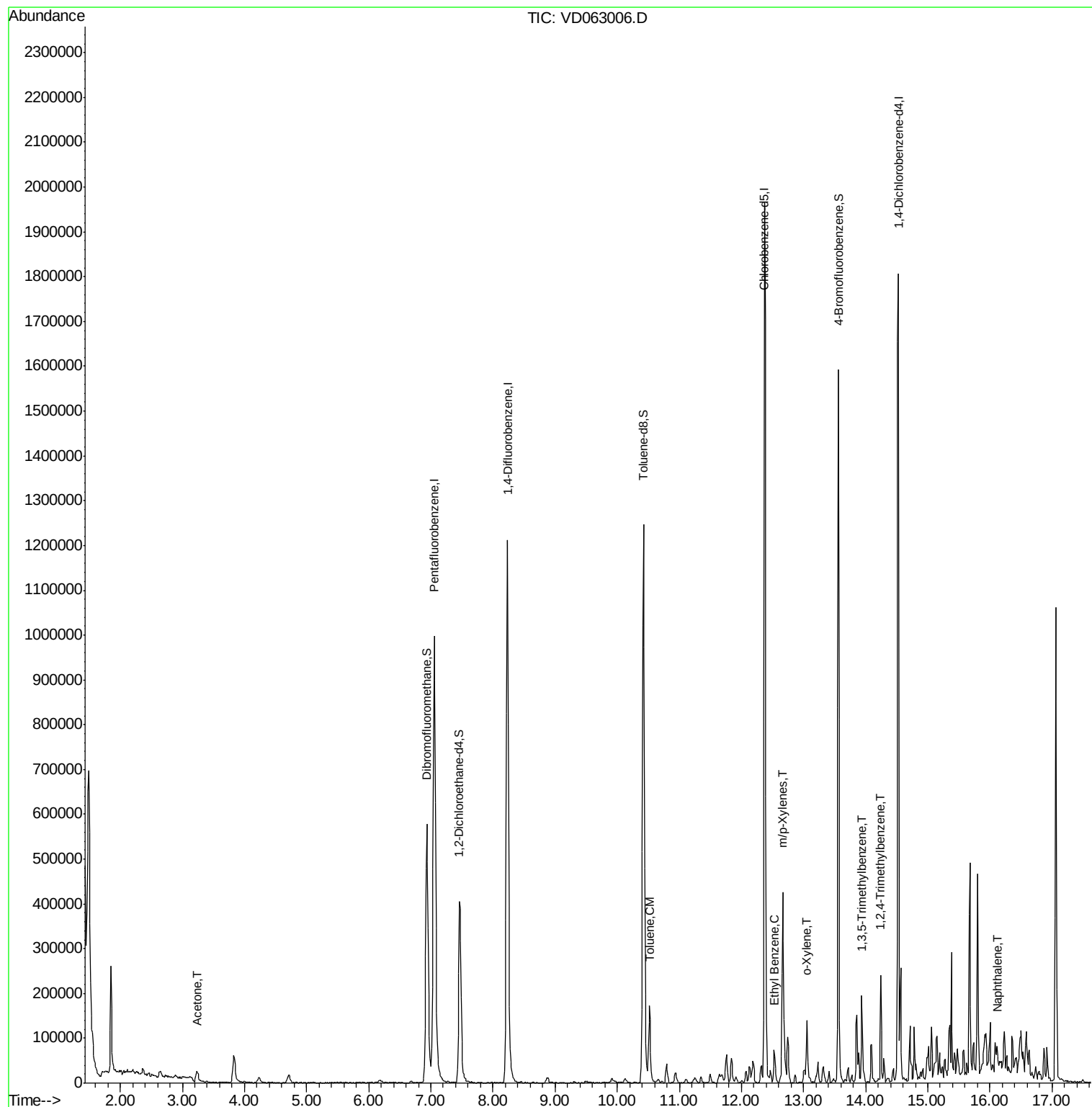
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	969259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	1356441	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1051984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	422368	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	473229	44.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.84%	
35) Dibromofluoromethane	6.94	113	518123	45.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.60%	
50) Toluene-d8	10.42	98	993716	39.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.84%	
62) 4-Bromofluorobenzene	13.56	95	408734	36.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.22%	
Target Compounds						
16) Acetone	3.24	43	50130	16.942	ug/l	94
52) Toluene	10.52	92	81223	4.688	ug/l	100
67) Ethyl Benzene	12.53	91	43853	1.251	ug/l	96
68) m/p-Xylenes	12.67	106	105228	8.619	ug/l	99
69) o-Xylene	13.06	106	30083	2.696	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	79143	3.479	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	98125	4.209	ug/l	97
95) Naphthalene	16.13	128	18217	1.489	ug/l #	81

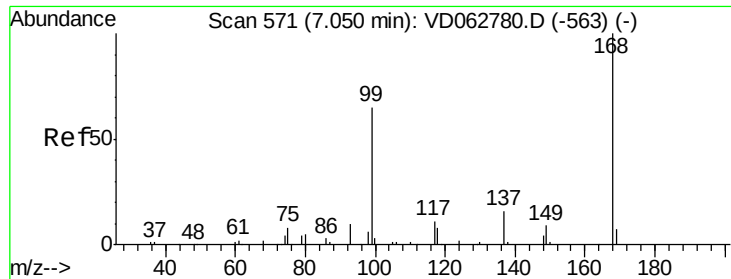
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

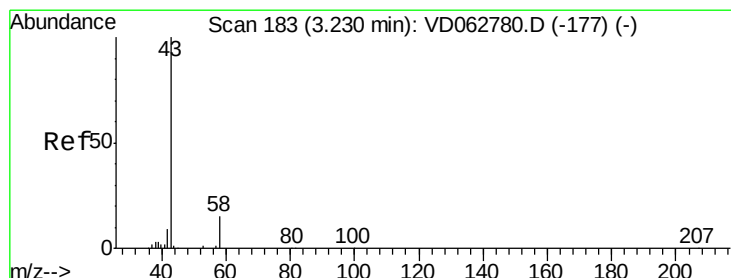
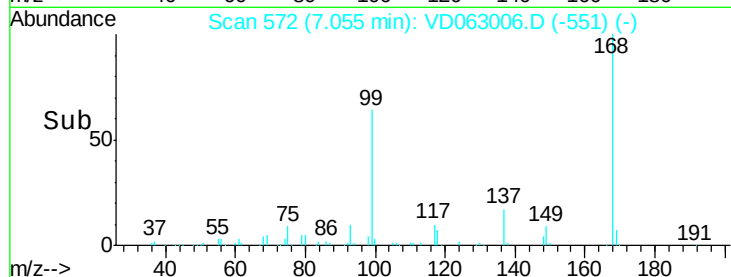
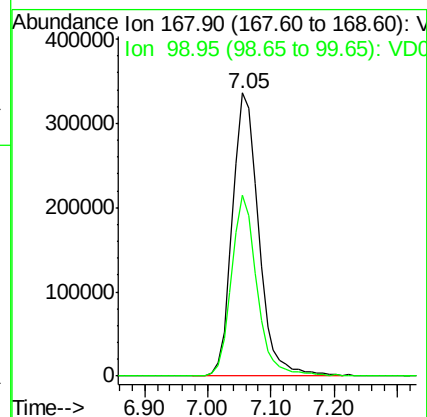
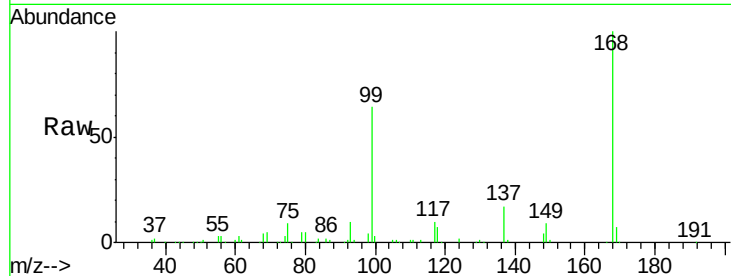
HD-01-070219

Tot Ion:168 Resp: 969259

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



#16

Acetone

Concen: 16.942 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD063006.D

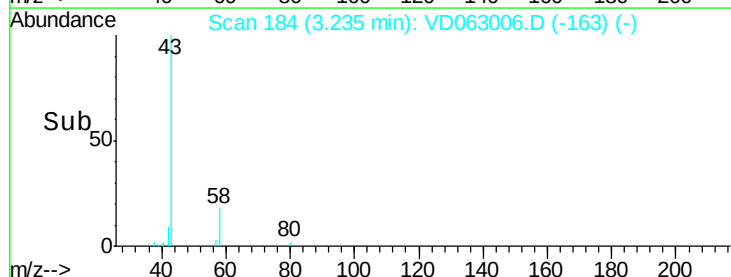
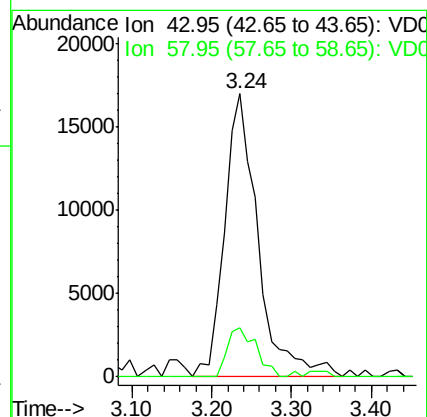
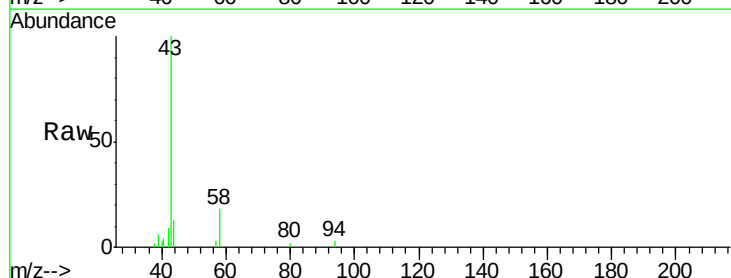
Acq: 2 Jul 2019 17:00

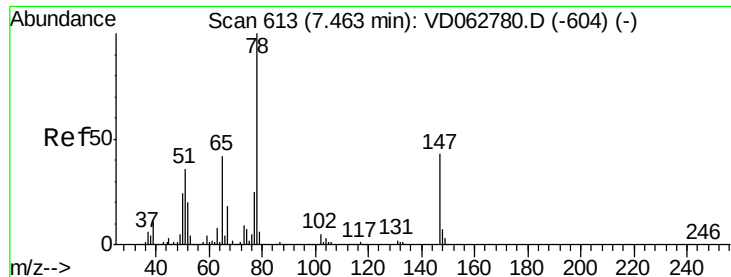
Tgt Ion: 43 Resp: 50130

Ion Ratio Lower Upper

43 100

58 17.5 11.9 17.9





#33

1,2-Dichloroethane-d4

Concen: 44.917 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

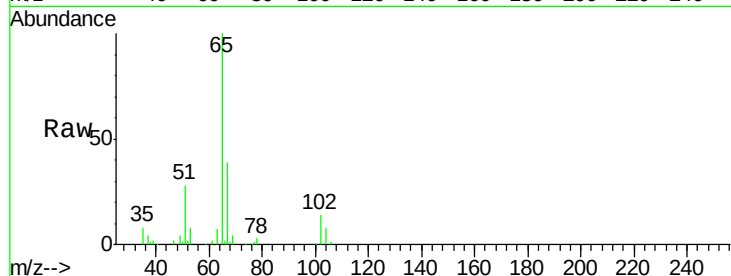
HD-01-070219

Tot Ion: 65 Resp: 473229

Ion Ratio Lower Upper

65 100

67 39.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

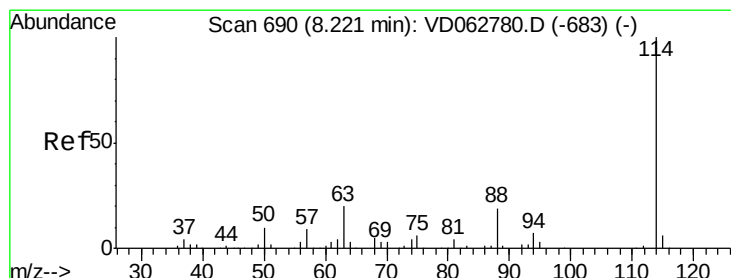
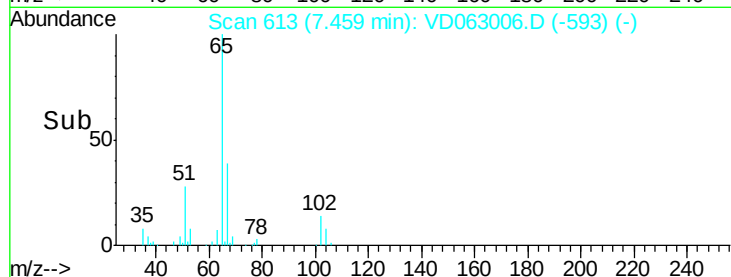
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

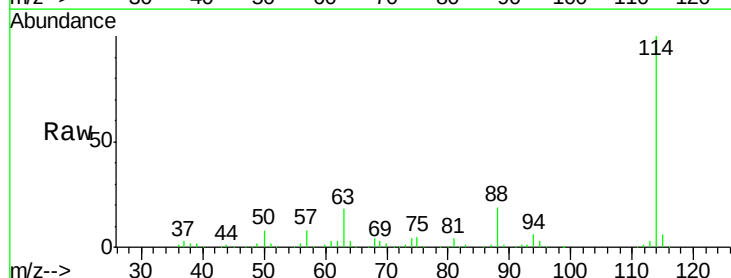
Tgt Ion: 114 Resp: 1356441

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 18.6 0.0 38.8



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

8.24

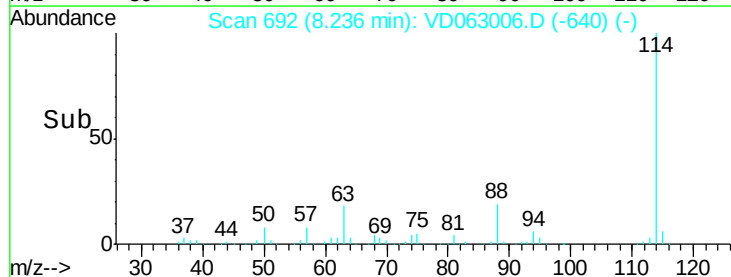
600000

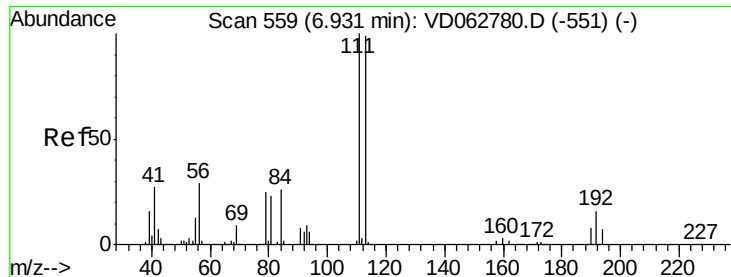
400000

200000

0

Time--> 8.20 8.40

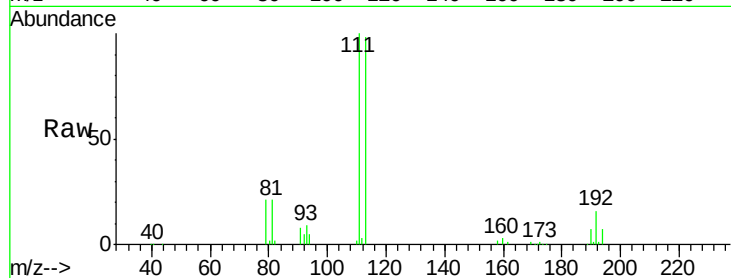




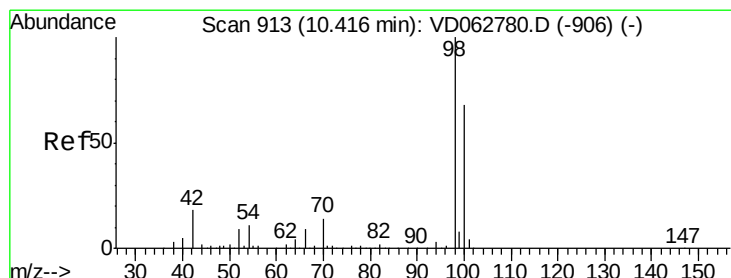
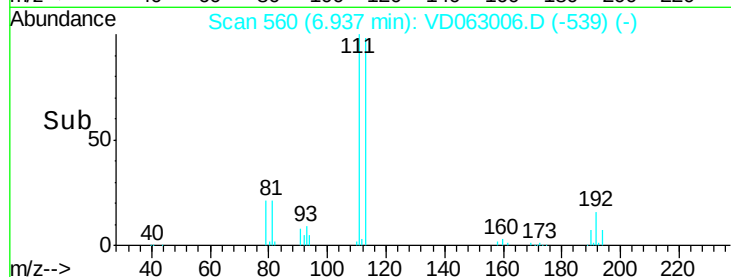
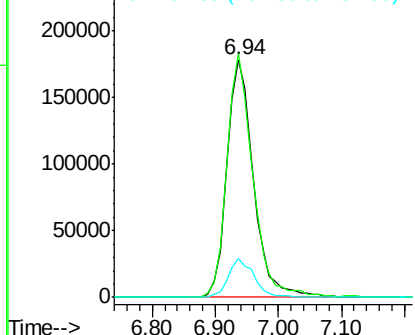
#35
Dibromofluoromethane
Concen: 45.301 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :
HD-01-070219

Tot Ion:113 Resp: 518123
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 16.2 12.9 19.3

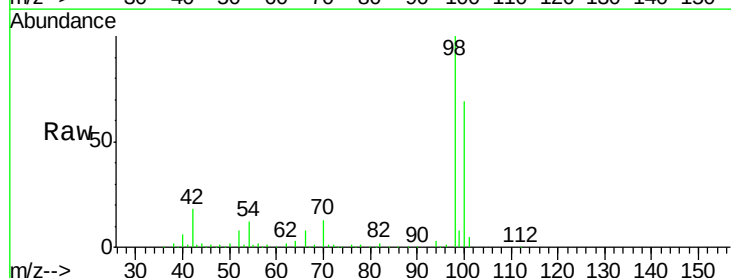


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

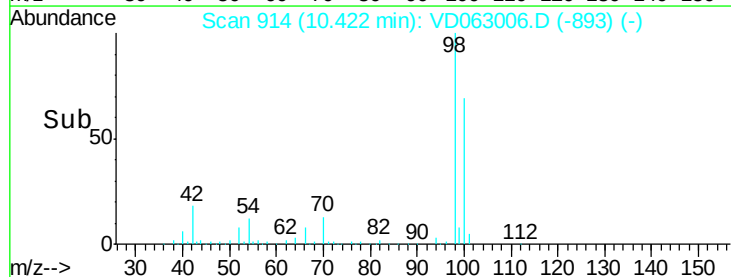
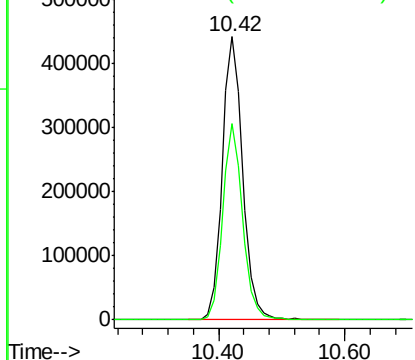


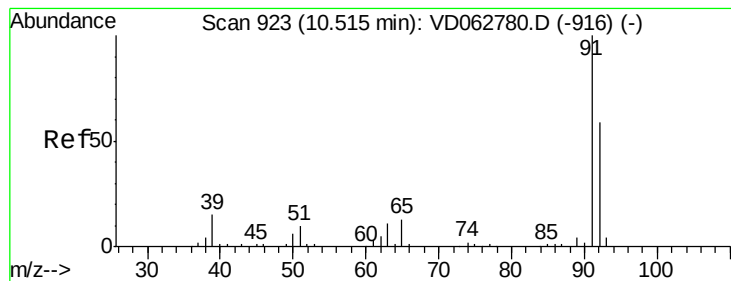
#50
Toluene-d8
Concen: 39.919 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion: 98 Resp: 993716
Ion Ratio Lower Upper
98 100
100 69.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 4.688 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

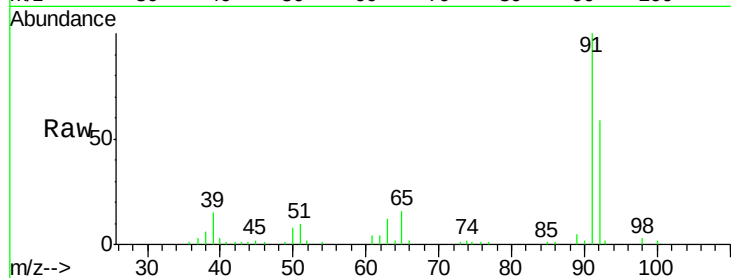
HD-01-070219

Tot Ion: 92 Resp: 81223

Ion Ratio Lower Upper

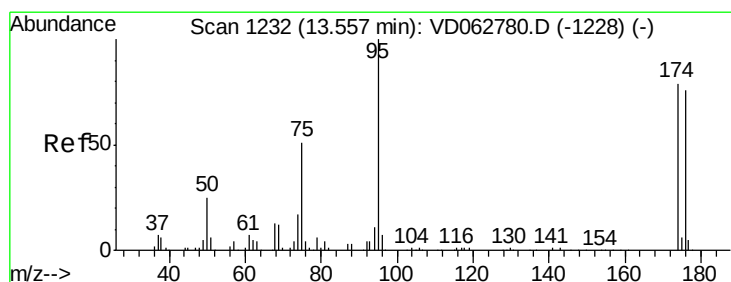
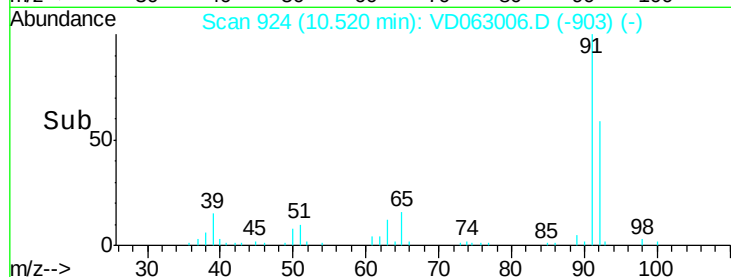
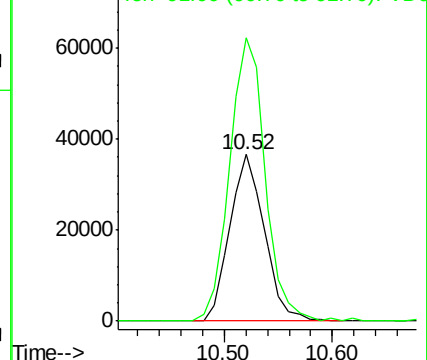
92 100

91 169.9 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 36.110 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

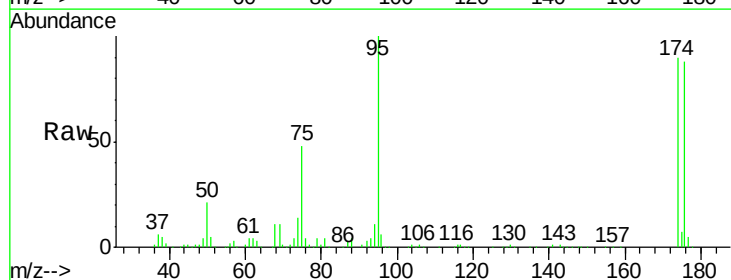
Tgt Ion: 95 Resp: 408734

Ion Ratio Lower Upper

95 100

174 89.6 0.0 158.0

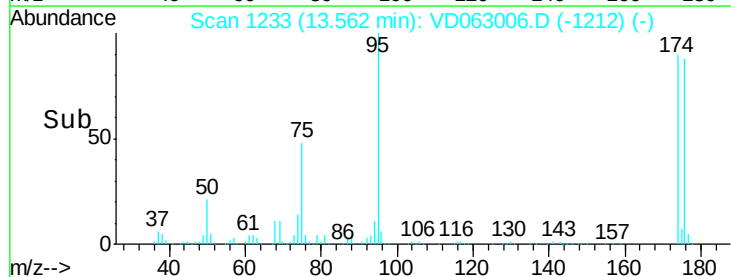
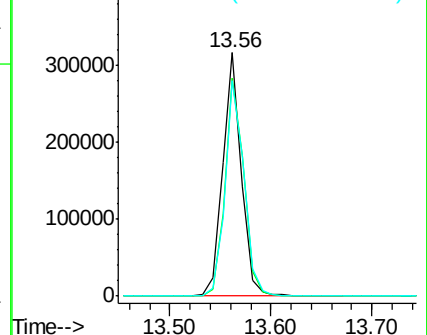
176 88.3 0.0 151.6

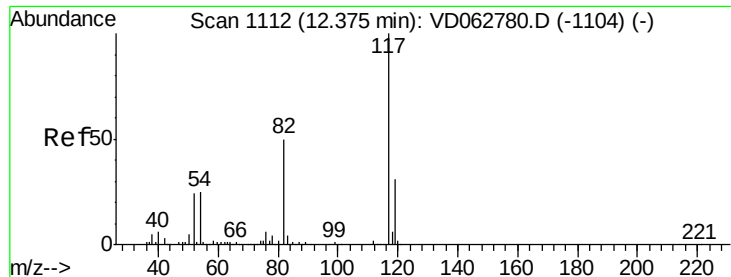


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

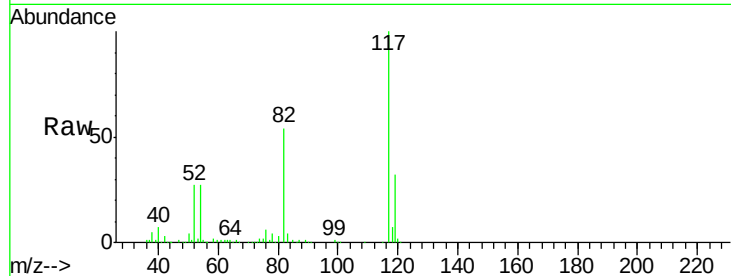




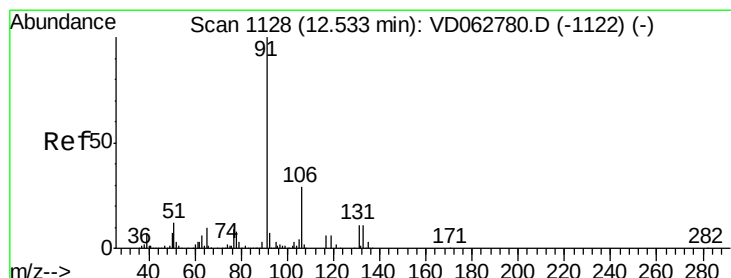
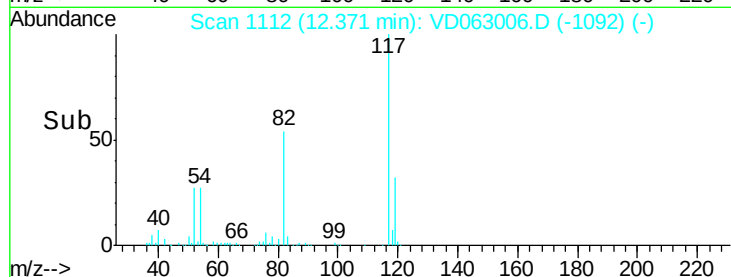
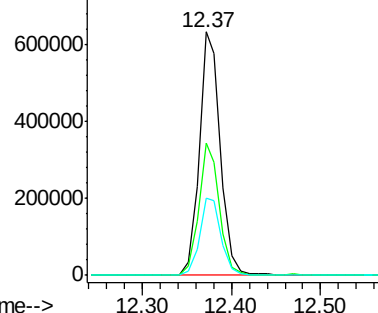
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :
HD-01-070219

Tot Ion:117 Resp: 1051984
Ion Ratio Lower Upper
117 100
82 54.3 40.4 60.6
119 31.6 25.2 37.8

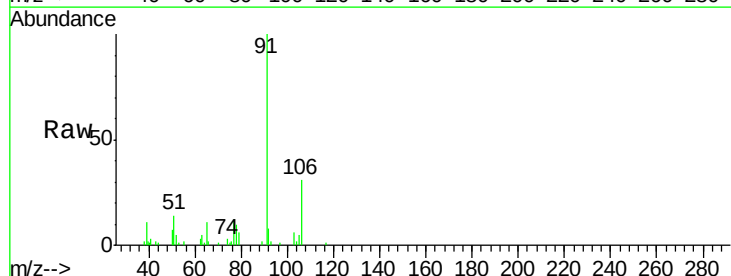


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

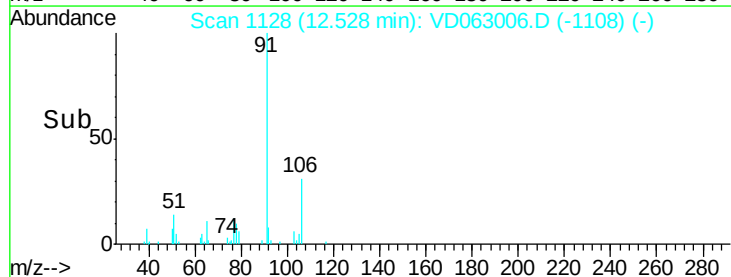
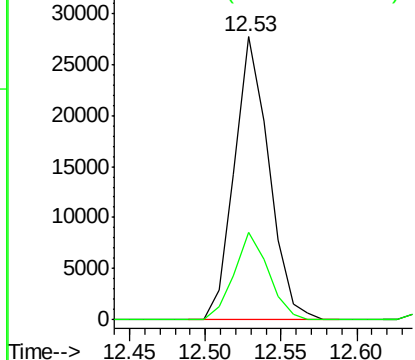


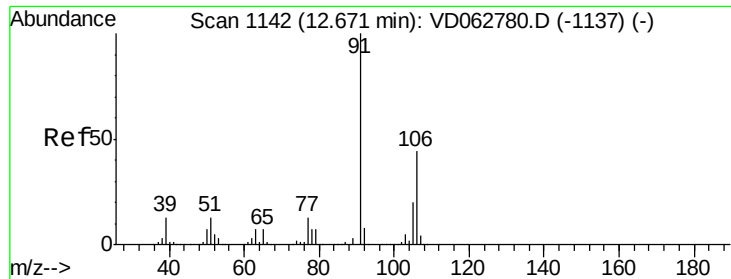
#67
Ethyl Benzene
Concen: 1.251 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion: 91 Resp: 43853
Ion Ratio Lower Upper
91 100
106 30.9 23.1 34.7



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

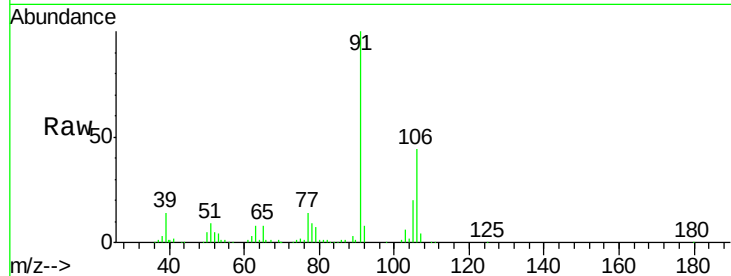




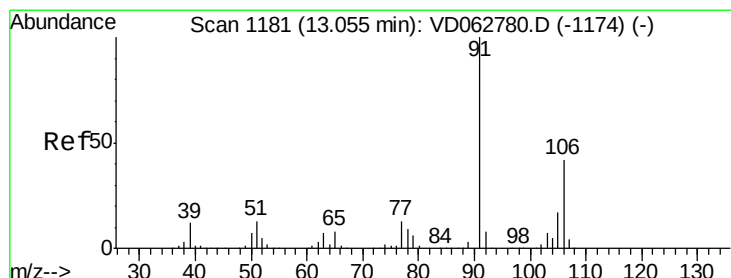
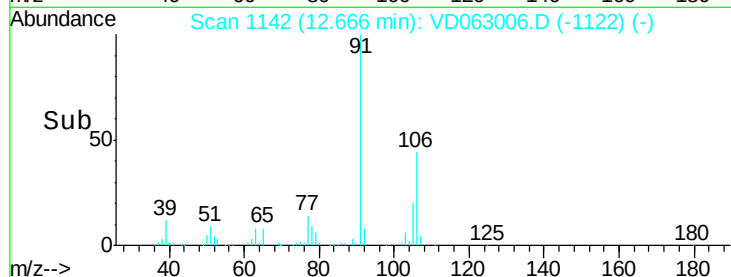
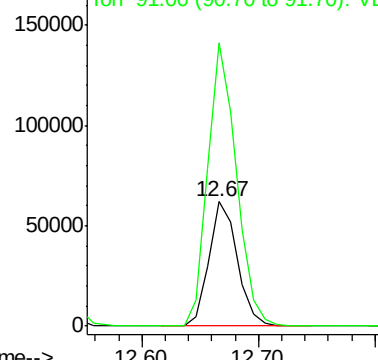
#68
m/p-Xylenes
Concen: 8.619 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :
HD-01-070219

Tot Ion:106 Resp: 105228
Ion Ratio Lower Upper
106 100
91 228.0 183.0 274.6

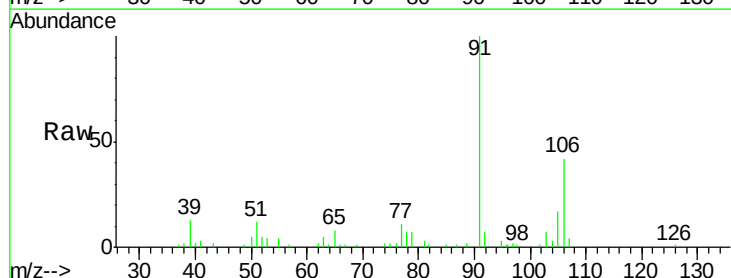


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

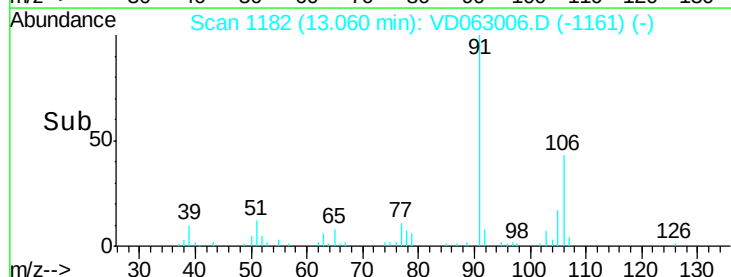
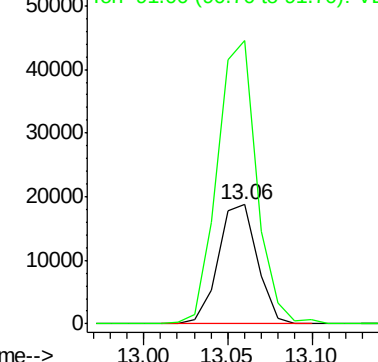


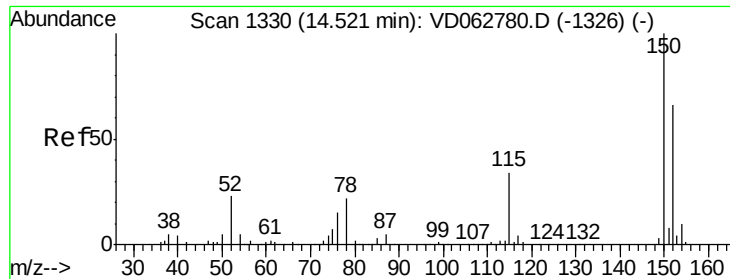
#69
o-Xylene
Concen: 2.696 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD063006.D
Acq: 2 Jul 2019 17:00

Tgt Ion:106 Resp: 30083
Ion Ratio Lower Upper
106 100
91 237.3 117.9 353.6



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

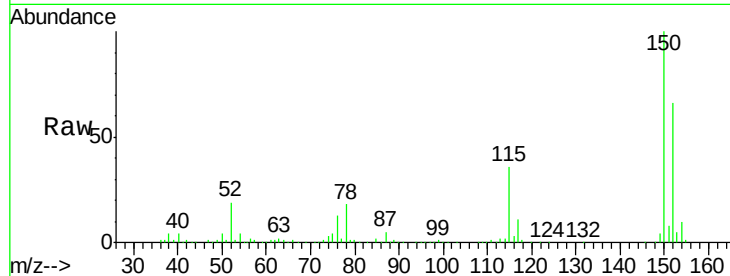




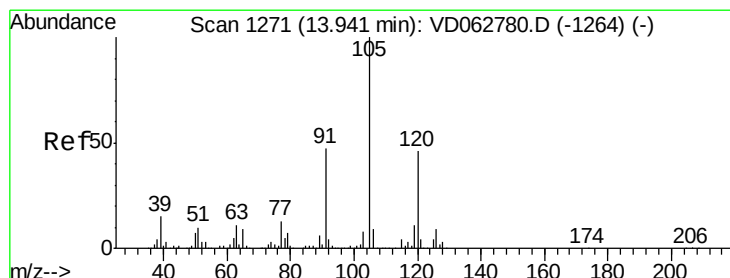
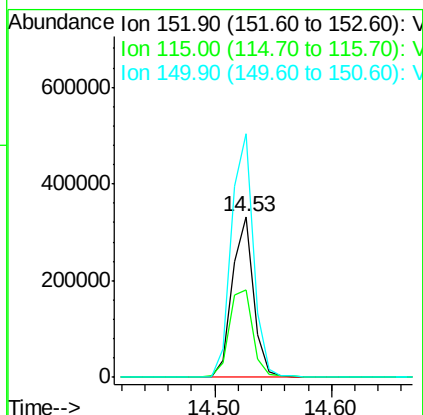
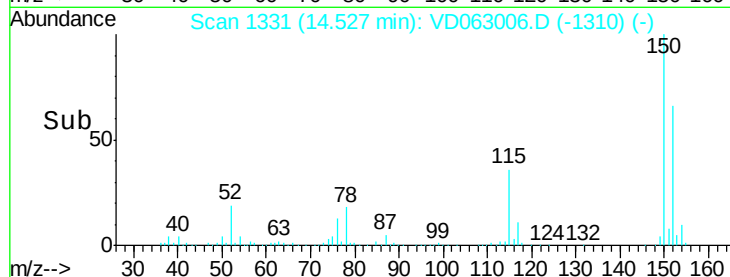
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-070219

Tot Ion:152 Resp: 422368
 Ion Ratio Lower Upper
 152 100
 115 54.7 29.2 87.6
 150 151.8 0.0 305.8

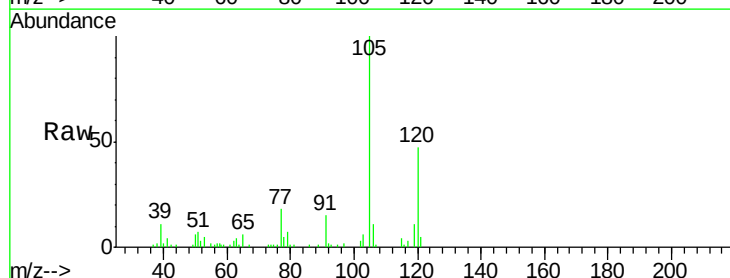


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

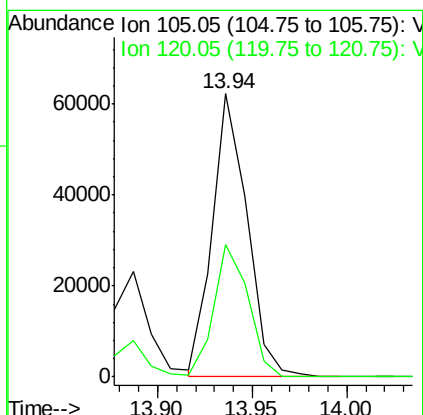
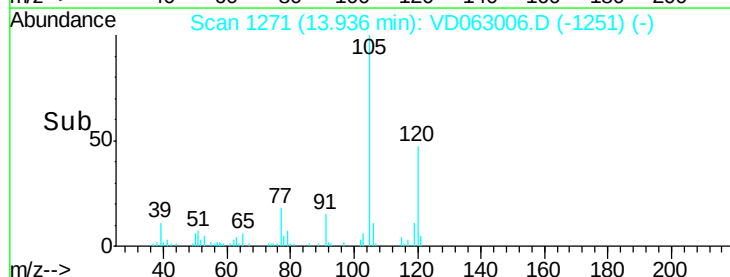


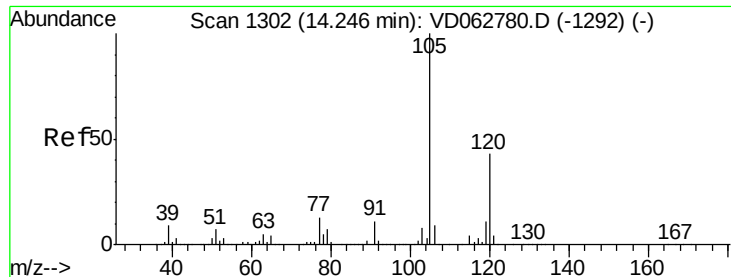
#80
 1,3,5-Trimethylbenzene
 Concen: 3.479 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063006.D
 Acq: 2 Jul 2019 17:00

Tgt Ion:105 Resp: 79143
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2



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





#84

1,2,4-Trimethylbenzene

Concen: 4.209 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

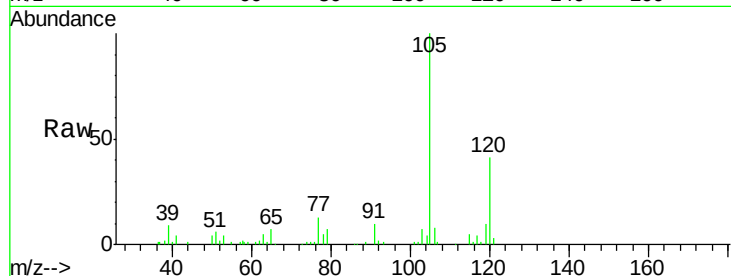
HD-01-070219

Tot Ion:105 Resp: 98125

Ion Ratio Lower Upper

105 100

120 41.0 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

14.24

80000

60000

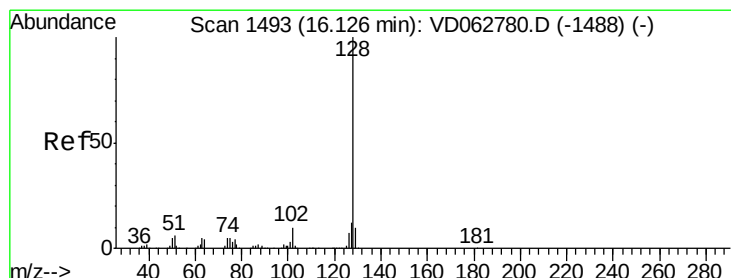
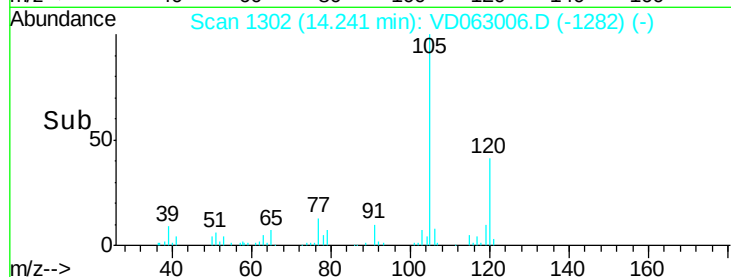
40000

20000

0

14.20 14.25 14.30

Time-->



#95

Naphthalene

Concen: 1.489 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD063006.D

Acq: 2 Jul 2019 17:00

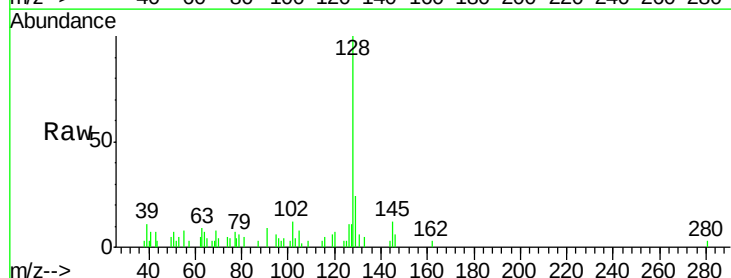
Tgt Ion:128 Resp: 18217

Ion Ratio Lower Upper

128 100

127 11.0 9.7 14.5

129 24.2 8.3 12.5#



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

16.13

15000

10000

5000

0

16.05 16.10 16.15 16.20

Time-->

