

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061768.D
 Acq On : 12 Apr 2019 6:33
 Operator : VA/AP
 Sample : K2345-07
 Misc : 8.77g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Apr 12 07:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	265819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	497312	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	330620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	94186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	162846	80.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	161.64%	
35) Dibromofluoromethane	6.92	113	225516	65.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.92%	
50) Toluene-d8	10.40	98	382135	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
62) 4-Bromofluorobenzene	13.55	95	127391	40.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.34%	

Target Compounds

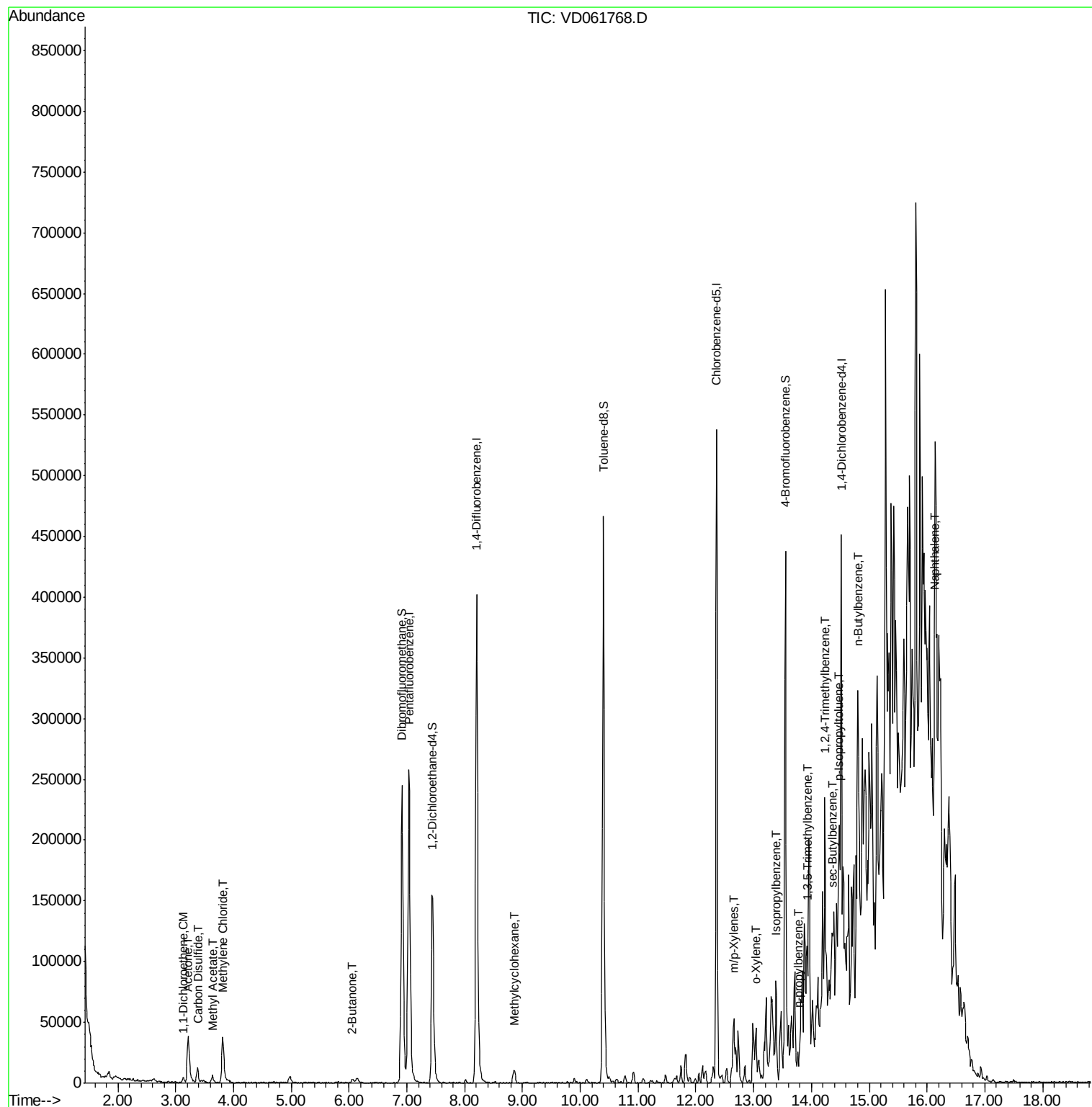
						Qvalue
12) 1,1-Dichloroethene	3.13	96	2901	1.047	ug/l	87
16) Acetone	3.21	43	78607	130.507	ug/l	98
17) Carbon Disulfide	3.38	76	24269	2.695	ug/l	97
18) Methyl Acetate	3.64	43	10227	9.025	ug/l #	87
20) Methylene Chloride	3.81	84	30483	8.919	ug/l	94
25) 2-Butanone	6.05	43	8075	11.629	ug/l	93
39) Methylcyclohexane	8.85	83	6673	1.493	ug/l #	90
68) m/p-Xylenes	12.65	106	14006	3.639	ug/l	100
69) o-Xylene	13.04	106	6241	1.680	ug/l	94
73) Isopropylbenzene	13.39	105	9817	1.564	ug/l	90
78) n-propylbenzene	13.77	91	12347	1.645	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	22816	4.581	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	69936	13.911	ug/l	98
85) sec-Butylbenzene	14.36	105	8914	1.374	ug/l	96
86) p-Isopropyltoluene	14.49	119	64763	11.505	ug/l	98
89) n-Butylbenzene	14.79	91	21085	4.310	ug/l	93
95) Naphthalene	16.12	128	22251	10.683	ug/l	97

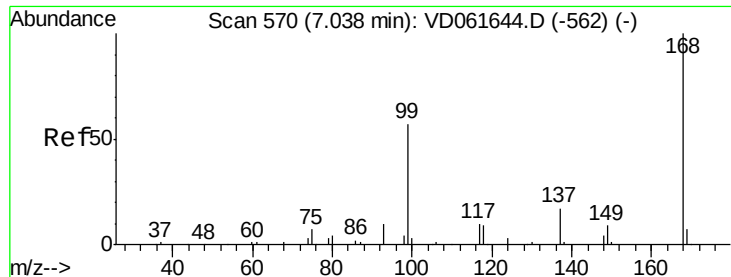
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041119\
Data File : VD061768.D
Acq On : 12 Apr 2019 6:33
Operator : VA/AP
Sample : K2345-07
Misc : 8.77a/5ml/MSVOA D/SOIL
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Apr 12 07:14:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

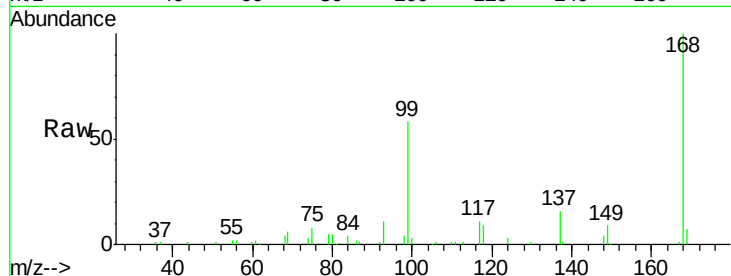
TP-3

Tot Ion:168 Resp: 265819

Ion Ratio Lower Upper

168 100

99 58.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

80000

60000

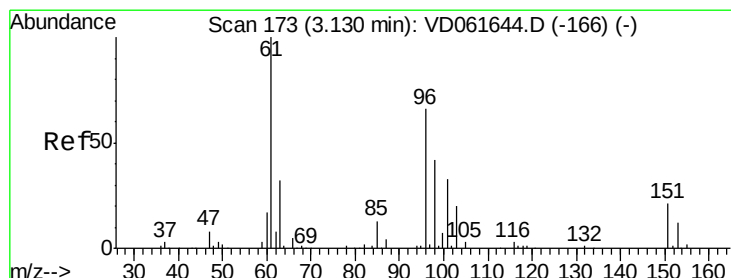
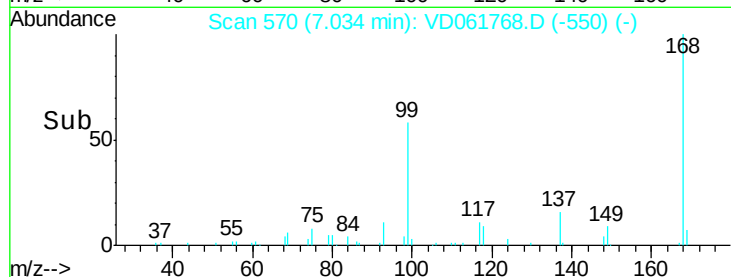
40000

20000

0

6.90 7.00 7.10 7.20

Time-->



#12

1,1-Dichloroethene

Concen: 1.047 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

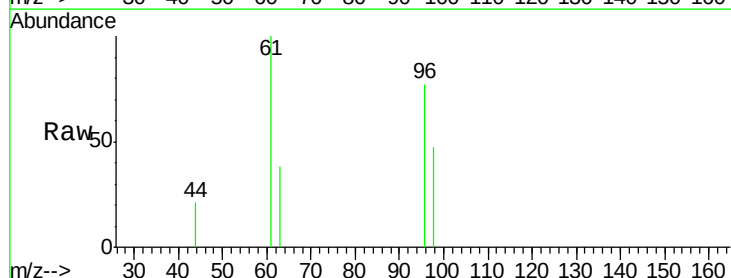
Tgt Ion: 96 Resp: 2901

Ion Ratio Lower Upper

96 100

61 129.6 121.3 181.9

98 60.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

2000

1500

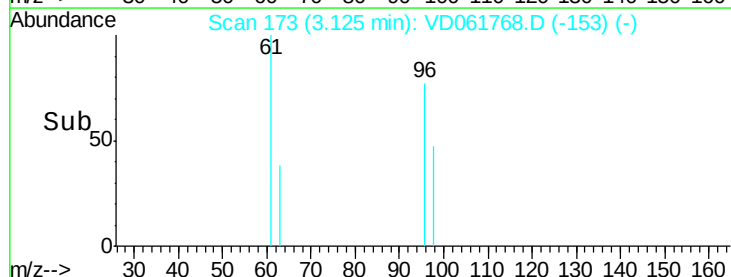
1000

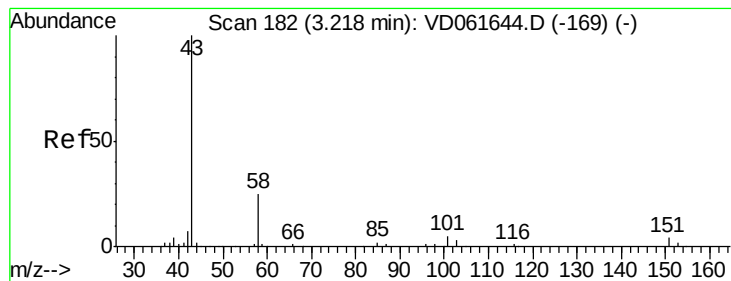
500

0

3.05 3.10 3.15 3.20

Time-->





#16

Acetone

Concen: 130.507 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

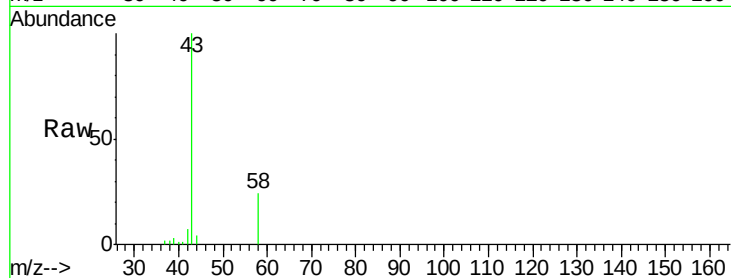
TP-3

Tot Ion: 43 Resp: 78607

Ion Ratio Lower Upper

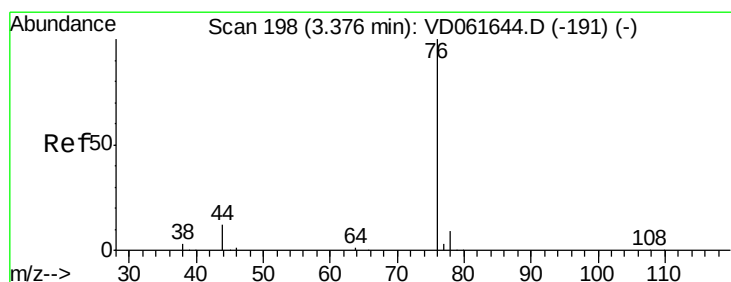
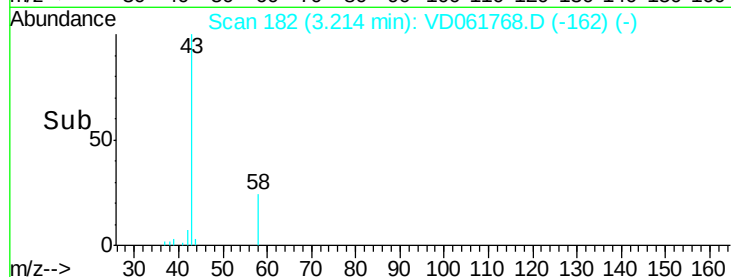
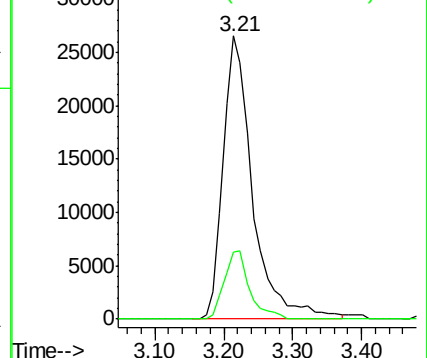
43 100

58 23.7 19.7 29.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 2.695 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061768.D

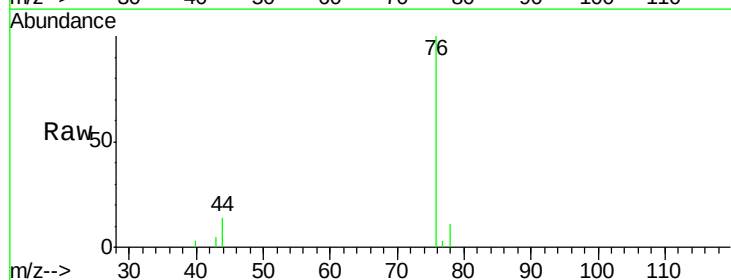
Acq: 12 Apr 2019 6:33

Tgt Ion: 76 Resp: 24269

Ion Ratio Lower Upper

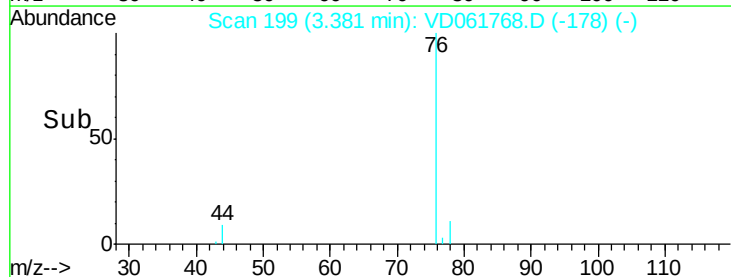
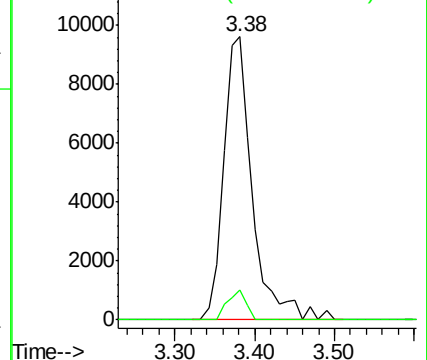
76 100

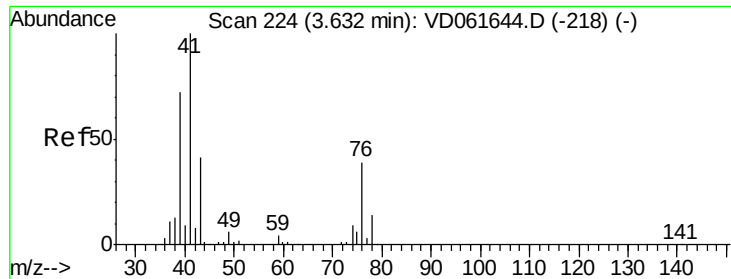
78 10.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

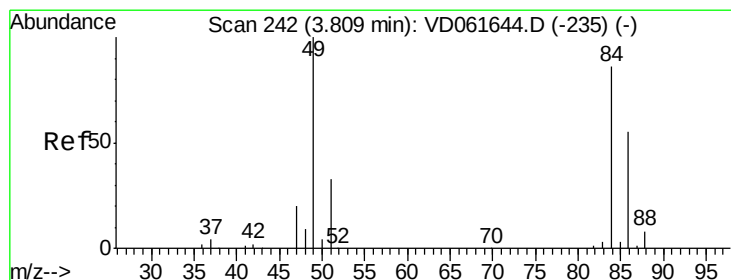
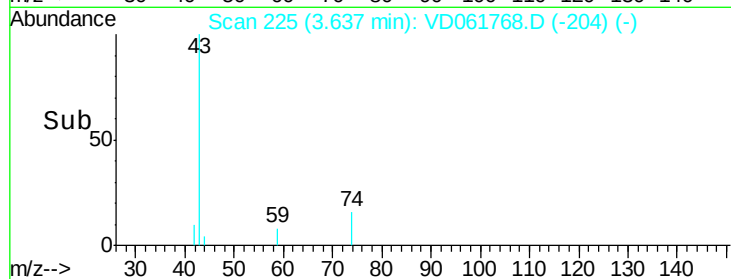
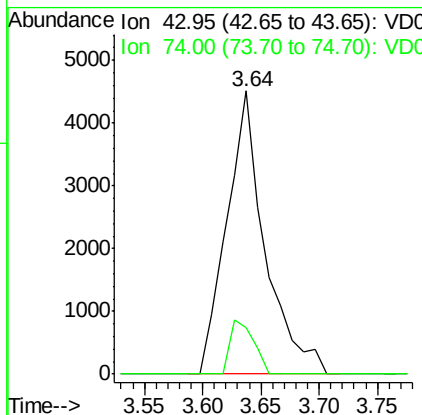
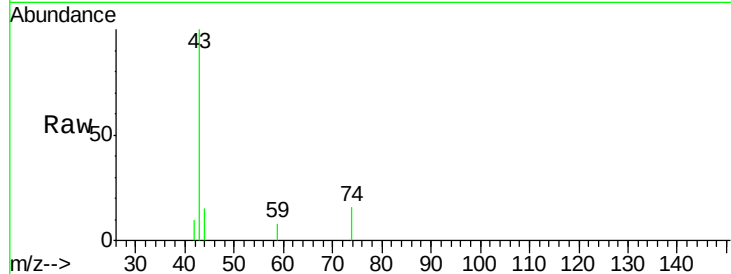




#18
Methyl Acetate
Concen: 9.025 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

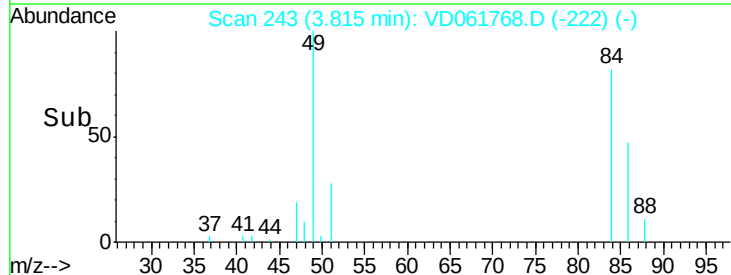
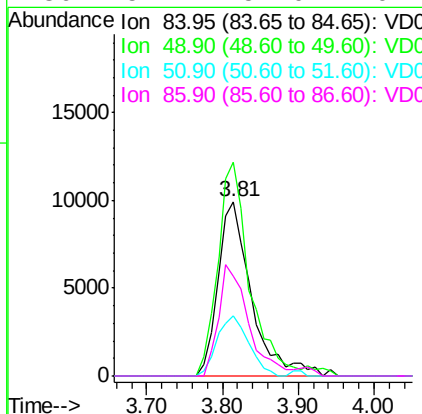
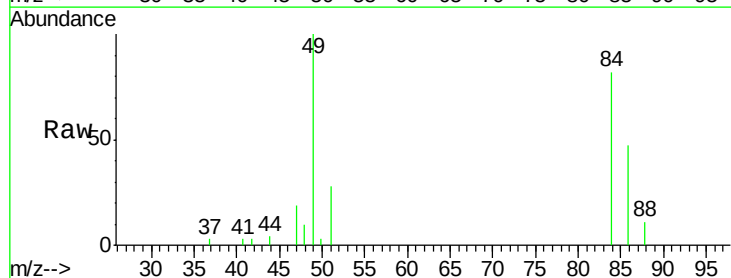
Instrument :
MSVOA_D
ClientSampled :
TP-3

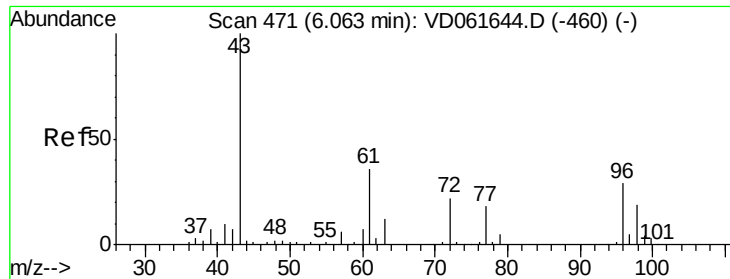
Tot Ion: 43 Resp: 10227
Ion Ratio Lower Upper
43 100
74 16.4 18.2 27.2#



#20
Methylene Chloride
Concen: 8.919 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

Tgt Ion: 84 Resp: 30483
Ion Ratio Lower Upper
84 100
49 122.4 93.0 139.4
51 34.4 30.4 45.6
86 57.4 51.0 76.4





#25

2-Butanone

Concen: 11.629 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

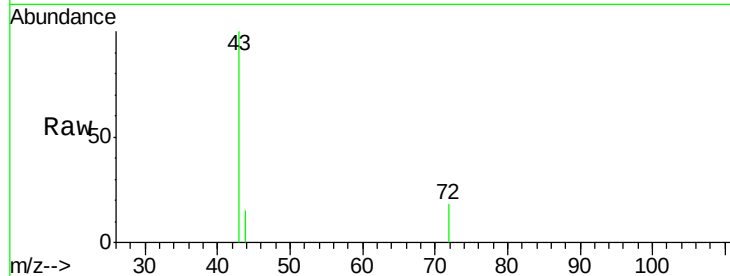
TP-3

Tot Ion: 43 Resp: 8075

Ion Ratio Lower Upper

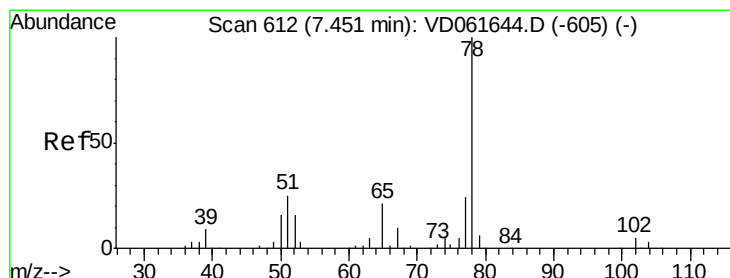
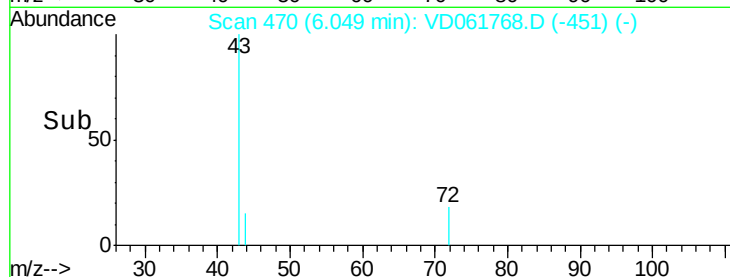
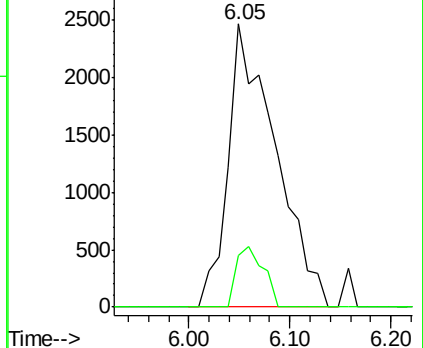
43 100

72 18.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061768.D

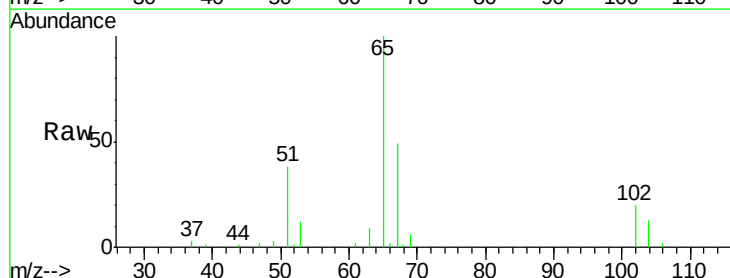
Acq: 12 Apr 2019 6:33

Tgt Ion: 65 Resp: 162846

Ion Ratio Lower Upper

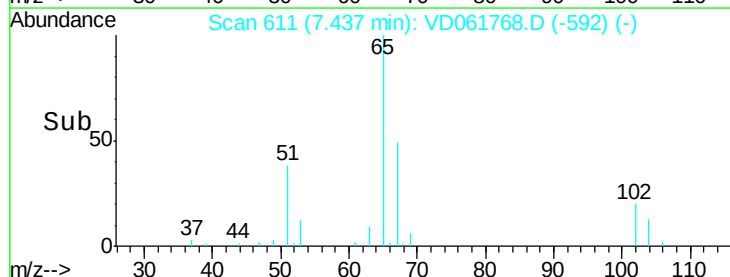
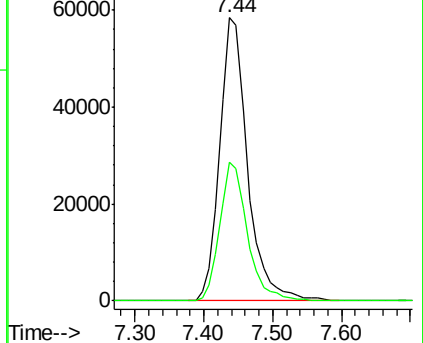
65 100

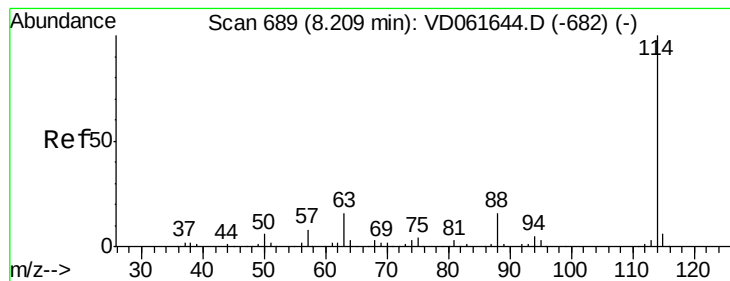
67 48.9 0.0 99.4



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# 689

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3

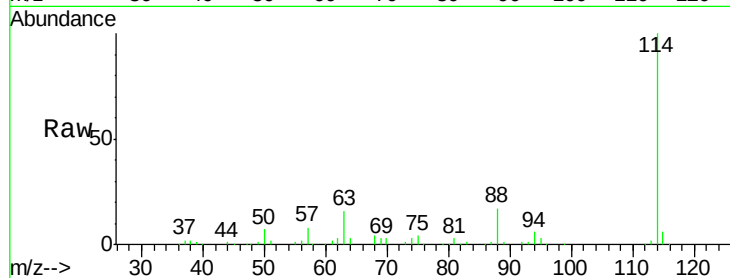
Tot Ion:114 Resp: 497312

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.2

88 16.6 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

250000

200000

150000

100000

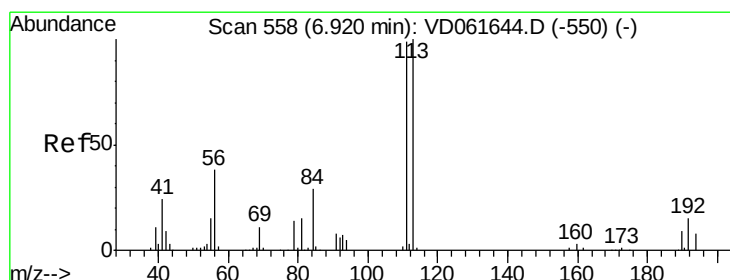
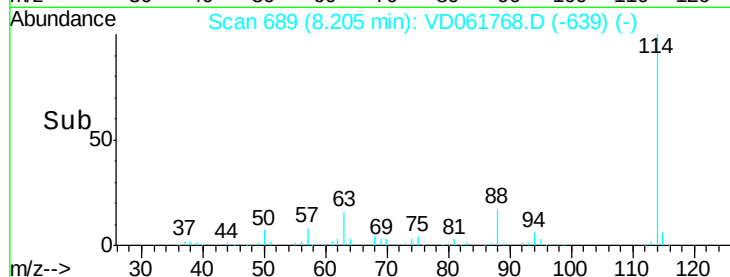
50000

0

8.21

8.00 8.20 8.40

Time-->



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

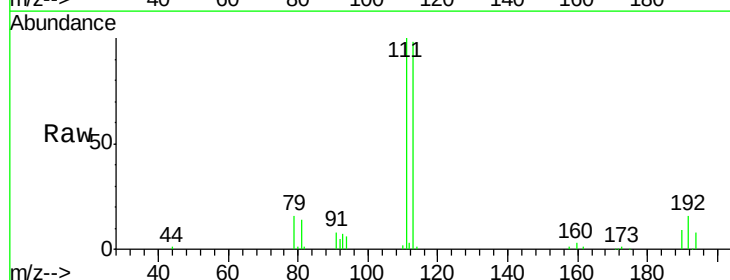
Tgt Ion:113 Resp: 225516

Ion Ratio Lower Upper

113 100

111 101.7 79.3 118.9

192 16.2 12.3 18.5



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

100000

80000

60000

40000

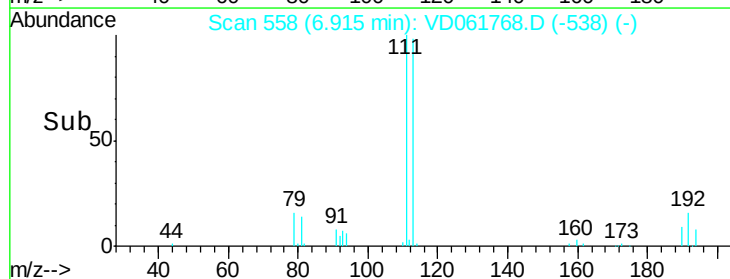
20000

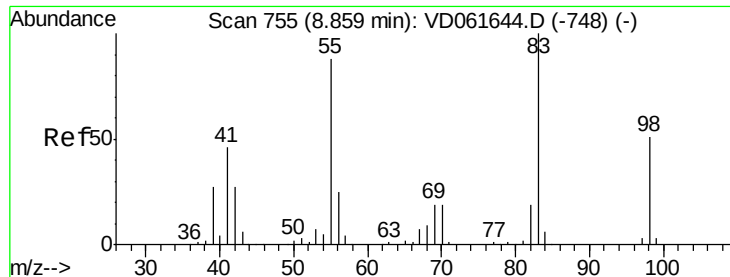
0

6.92

6.80 6.90 7.00 7.10

Time-->

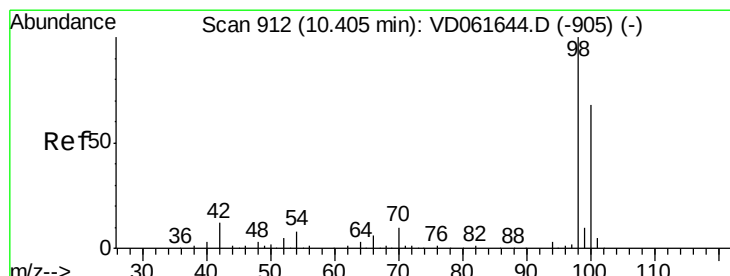
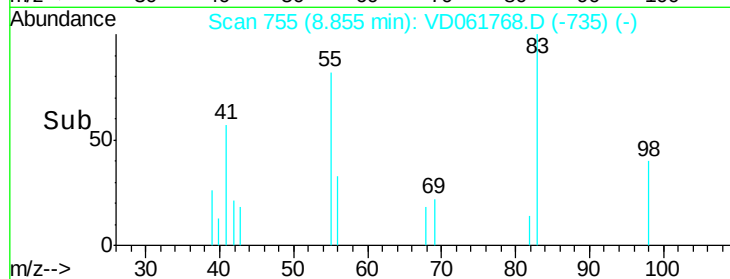
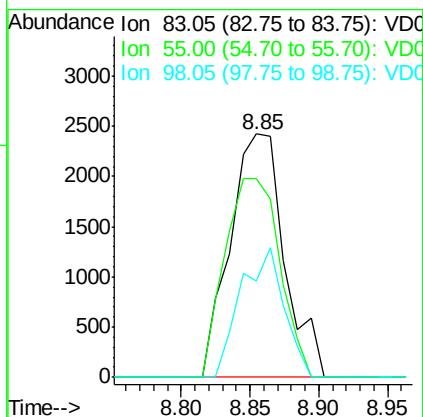
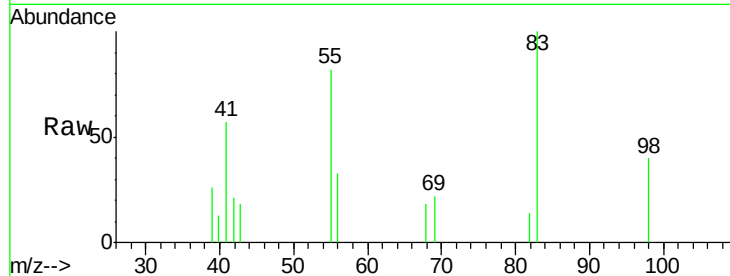




#39
Methylvlcyclohexane
Concen: 1.493 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

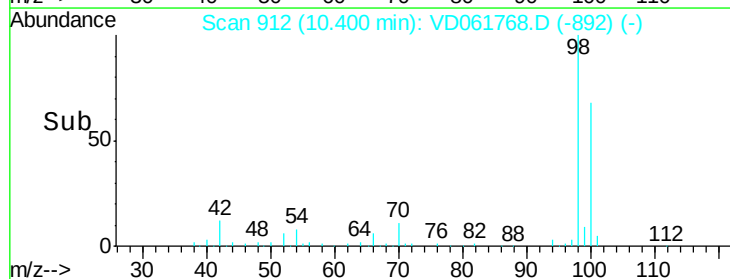
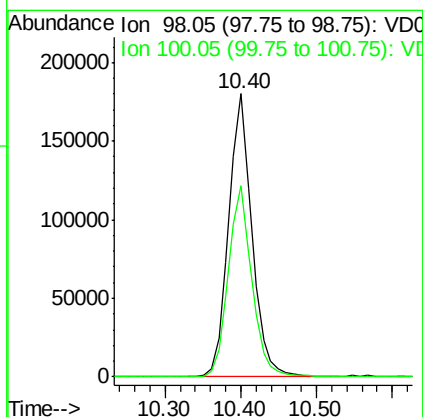
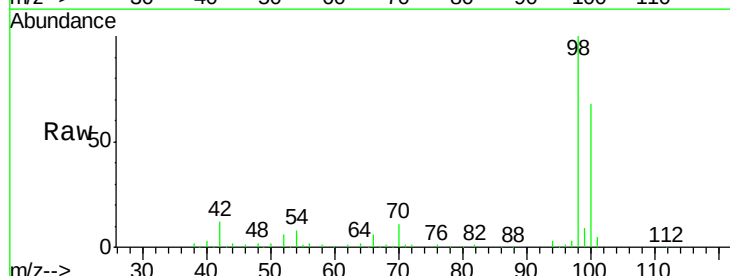
Instrument :
MSVOA_D
ClientSampleId :
TP-3

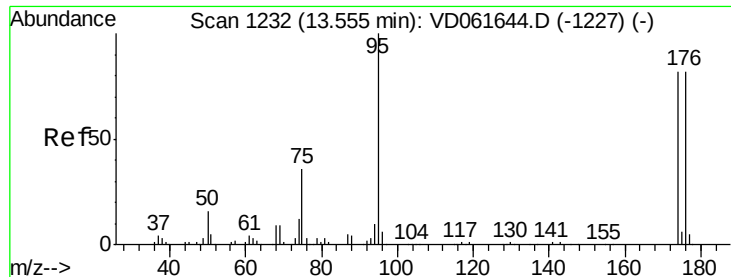
Tot Ion: 83 Resp: 6673
Ion Ratio Lower Upper
83 100
55 81.7 70.3 105.5
98 39.8 41.0 61.6#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

Tgt Ion: 98 Resp: 382135
Ion Ratio Lower Upper
98 100
100 67.8 55.4 83.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3

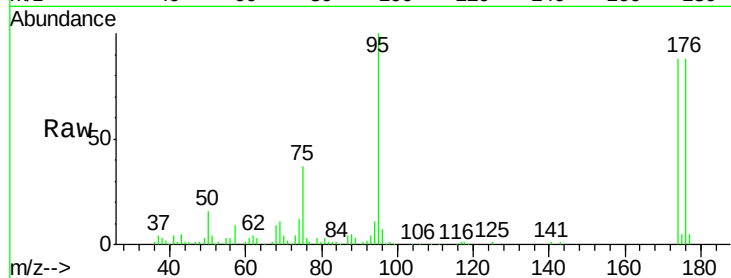
Tot Ion: 95 Resp: 127391

Ion Ratio Lower Upper

95 100

174 87.6 0.0 164.6

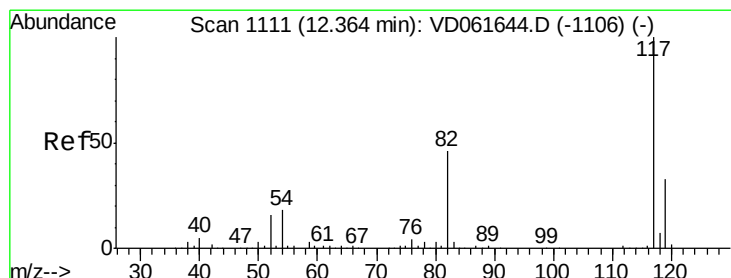
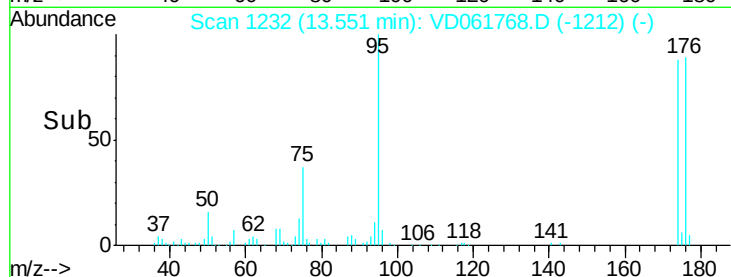
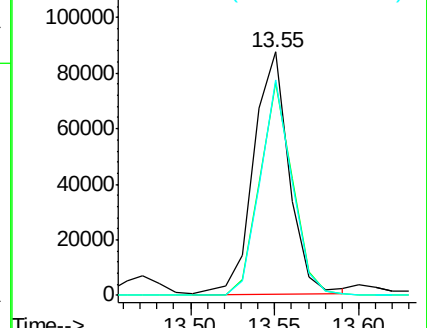
176 88.3 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

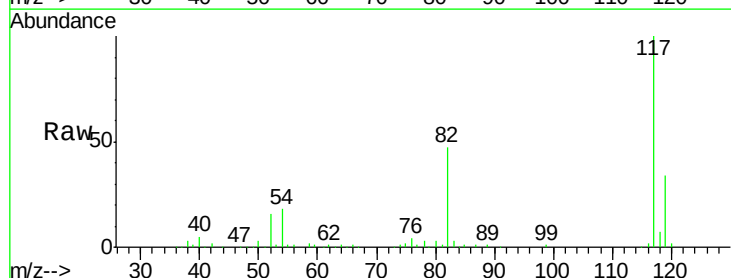
Tgt Ion: 117 Resp: 330620

Ion Ratio Lower Upper

117 100

82 47.1 36.8 55.2

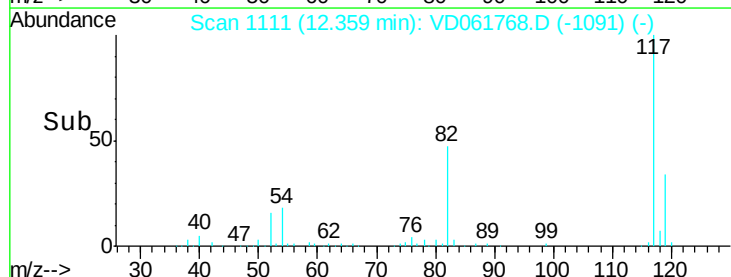
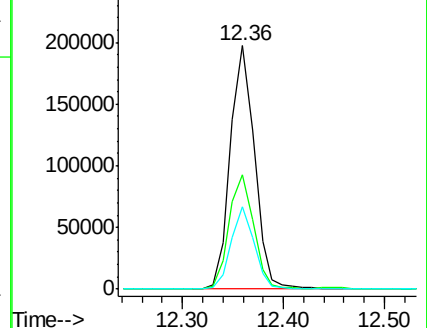
119 33.6 26.1 39.1

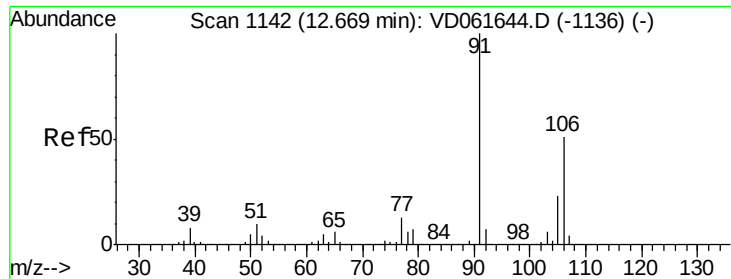


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

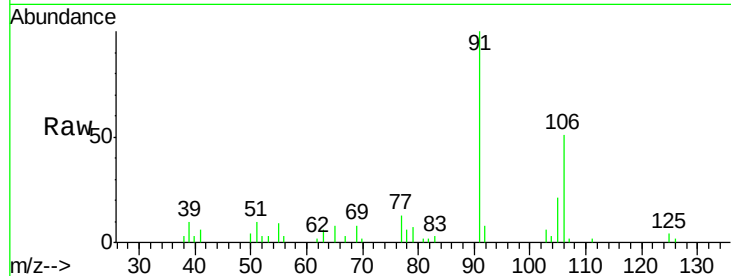




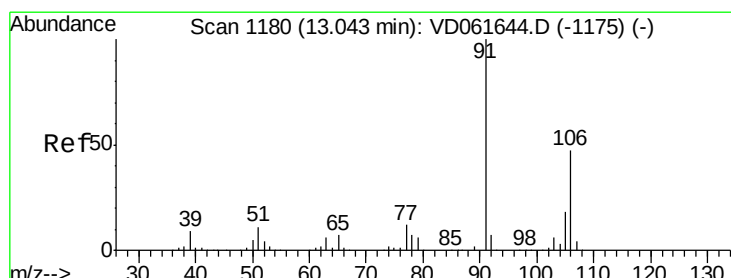
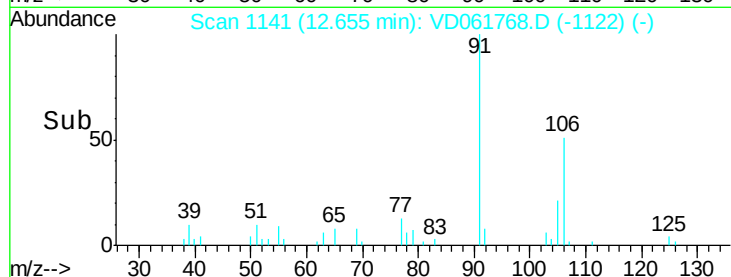
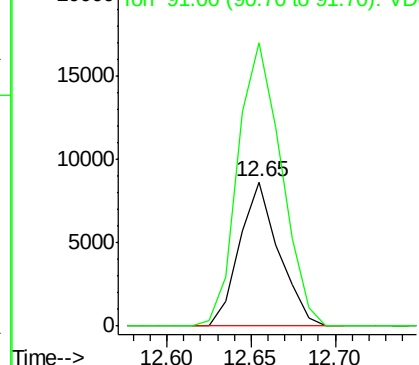
#68
m/p-Xylenes
Concen: 3.639 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

Instrument :
MSVOA_D
ClientSampled :
TP-3

Tot Ion:106 Resp: 14006
Ion Ratio Lower Upper
106 100
91 196.6 156.7 235.1

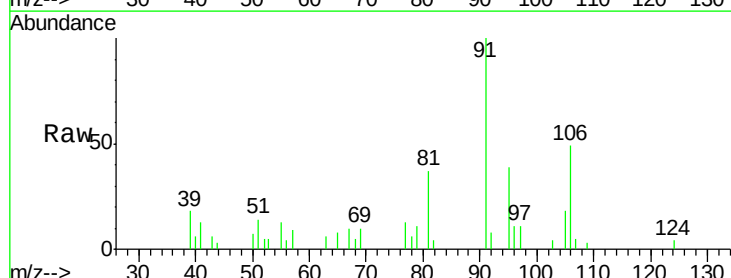


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

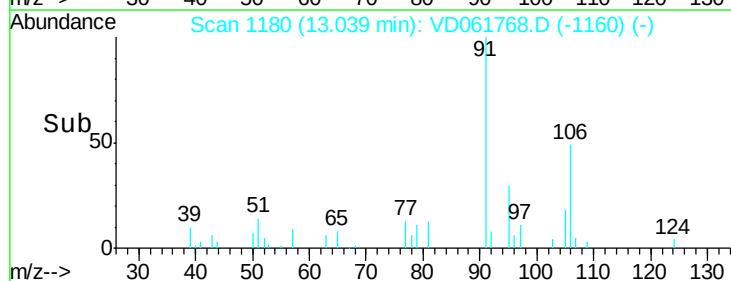
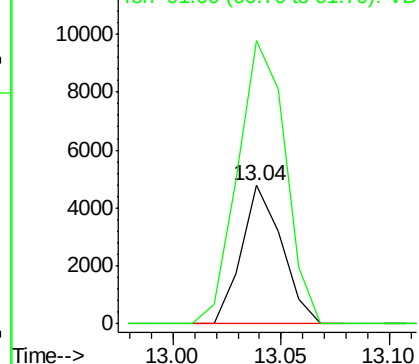


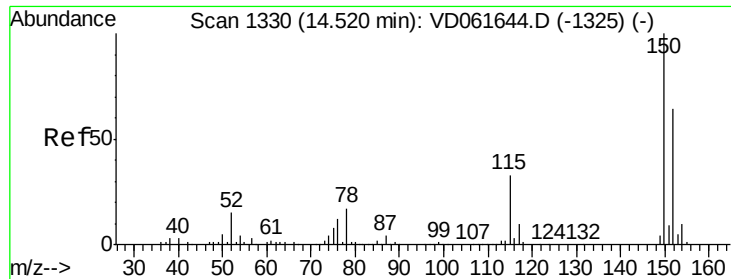
#69
o-Xylene
Concen: 1.680 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

Tgt Ion:106 Resp: 6241
Ion Ratio Lower Upper
106 100
91 204.5 107.3 321.9



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. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

TP-3

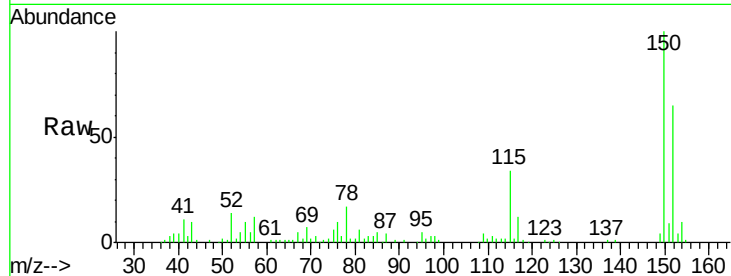
Tot Ion:152 Resp: 94186

Ion Ratio Lower Upper

152 100

115 52.4 26.4 79.2

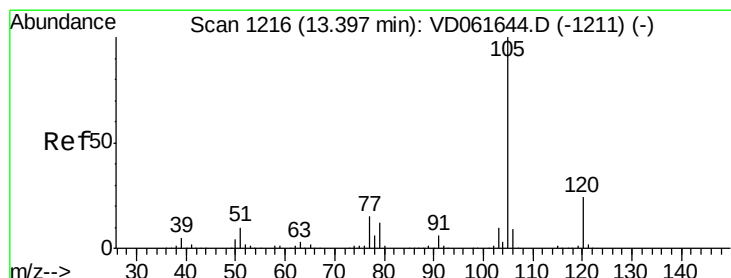
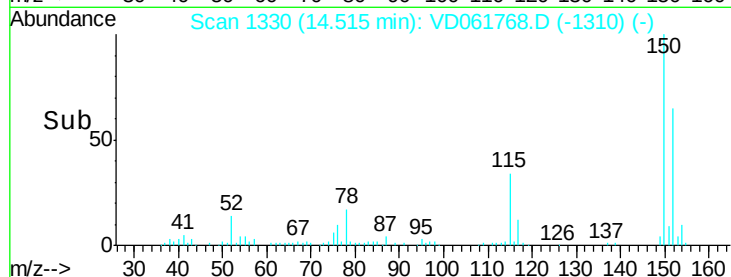
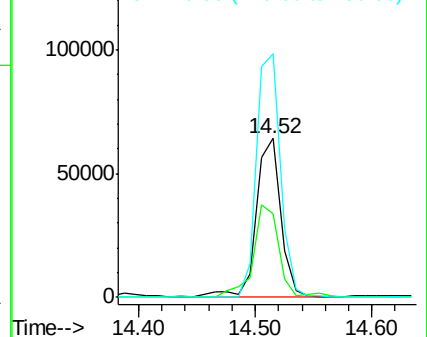
150 153.3 0.0 320.6



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: 1.564 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061768.D

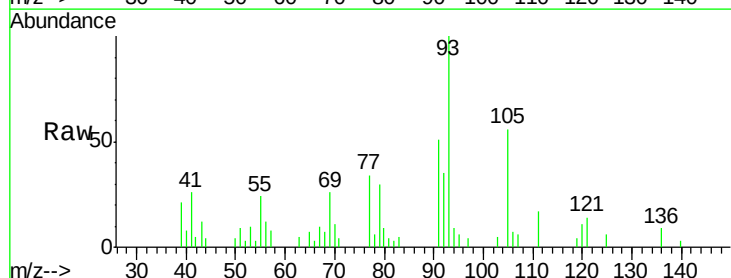
Acq: 12 Apr 2019 6:33

Tgt Ion:105 Resp: 9817

Ion Ratio Lower Upper

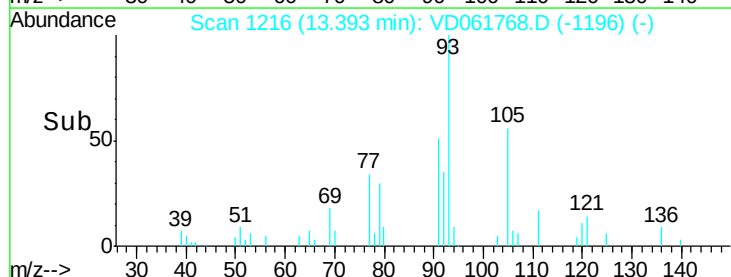
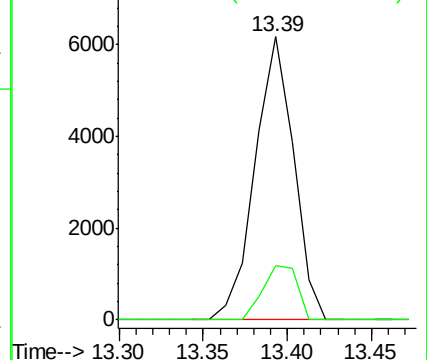
105 100

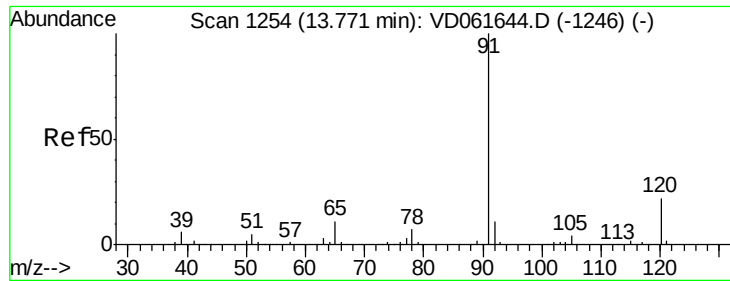
120 19.2 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 1.645 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061768.D

Acq: 12 Apr 2019 6:33

Instrument :

MSVOA_D

ClientSampleId :

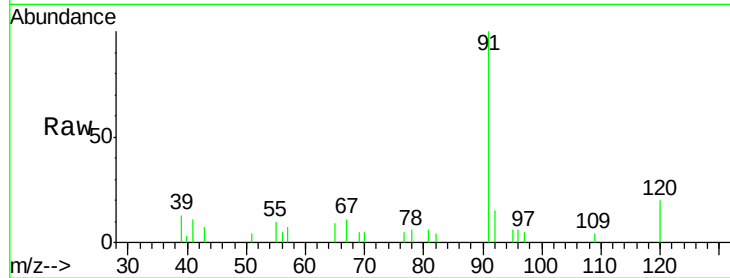
TP-3

Tot Ion: 91 Resp: 12347

Ion Ratio Lower Upper

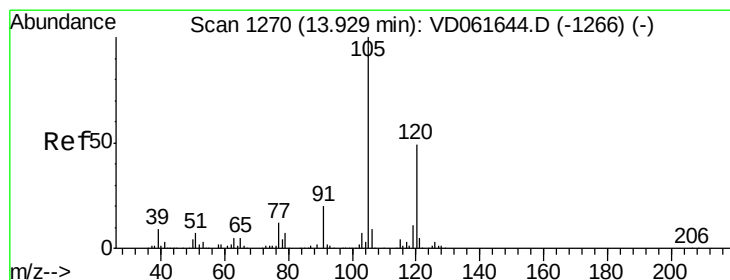
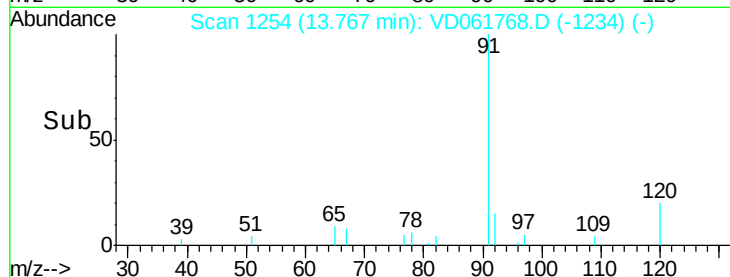
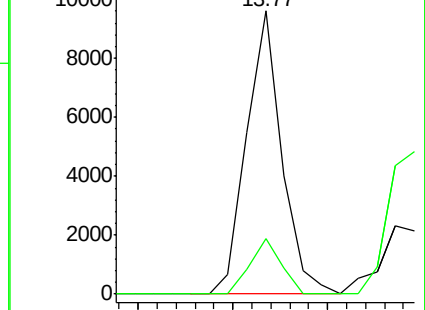
91 100

120 19.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



#80

1,3,5-Trimethylbenzene

Concen: 4.581 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD061768.D

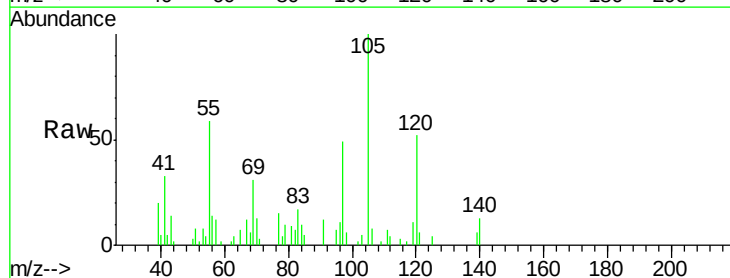
Acq: 12 Apr 2019 6:33

Tgt Ion:105 Resp: 22816

Ion Ratio Lower Upper

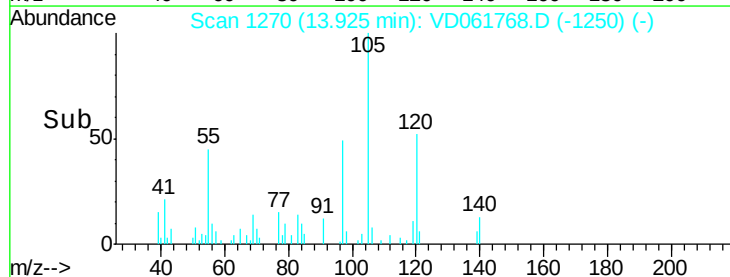
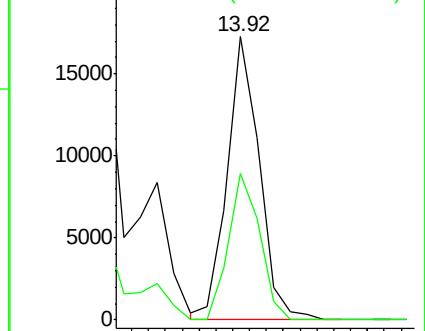
105 100

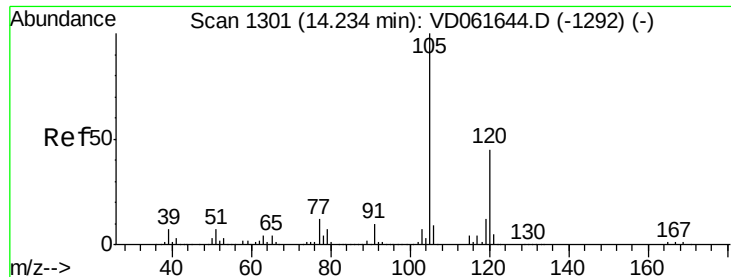
120 51.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

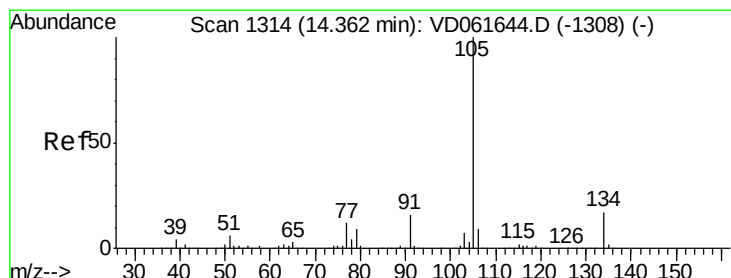
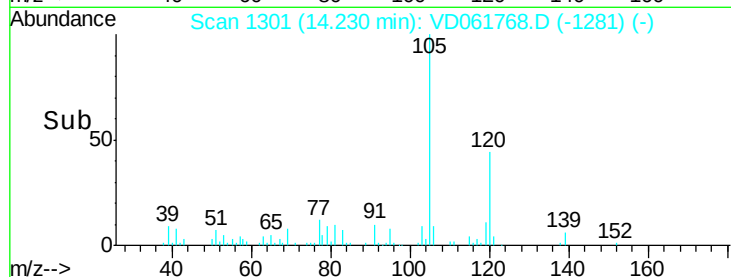
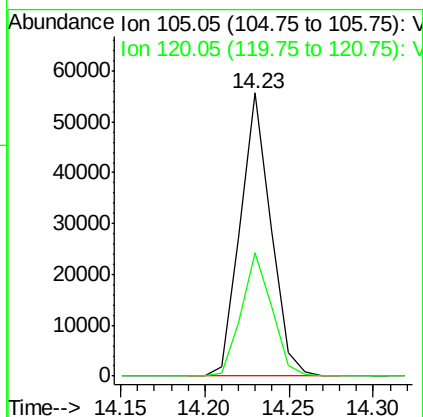
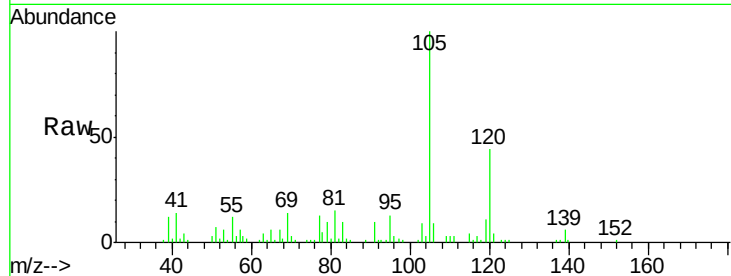




#84
 1,2,4-Trimethylbenzene
 Concen: 13.911 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061768.D
 Acq: 12 Apr 2019 6:33

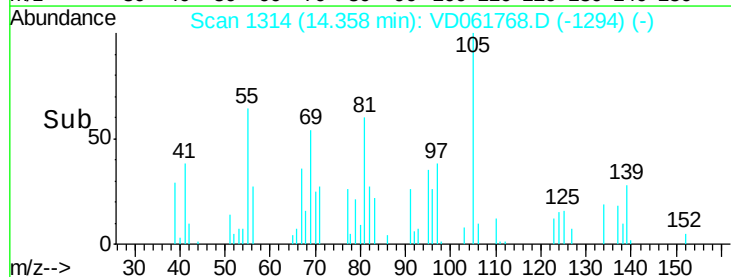
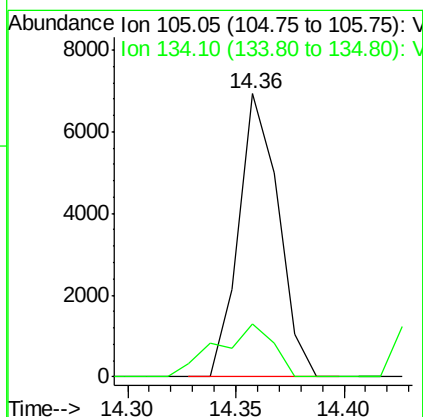
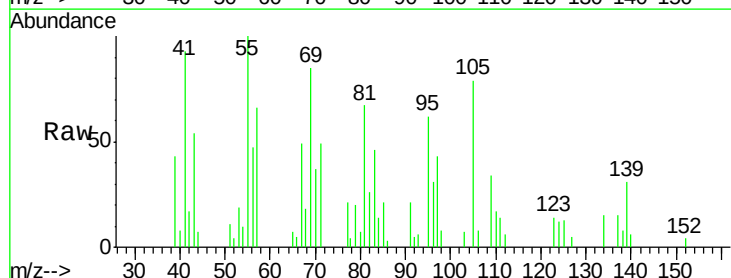
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

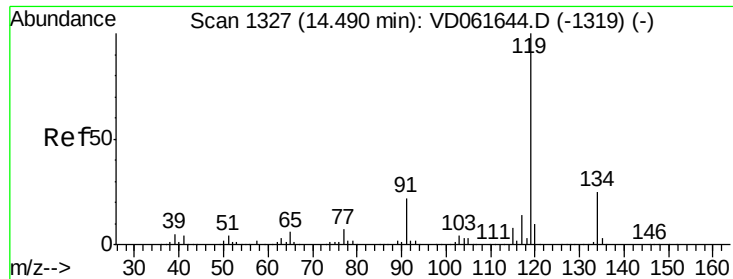
Tot Ion:105 Resp: 69936
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 1.374 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061768.D
 Acq: 12 Apr 2019 6:33

Tgt Ion:105 Resp: 8914
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.6 25.7

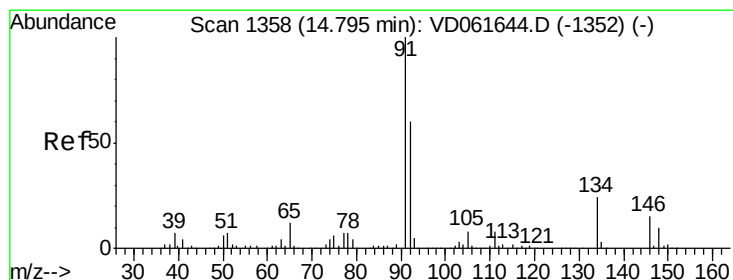
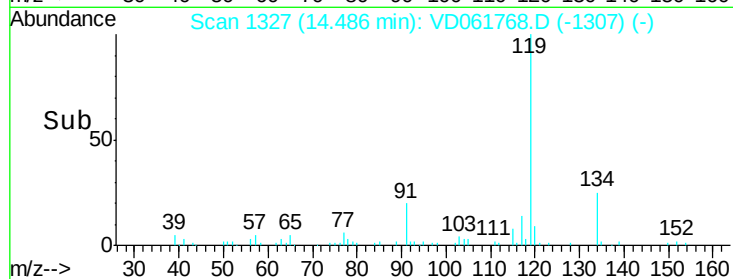
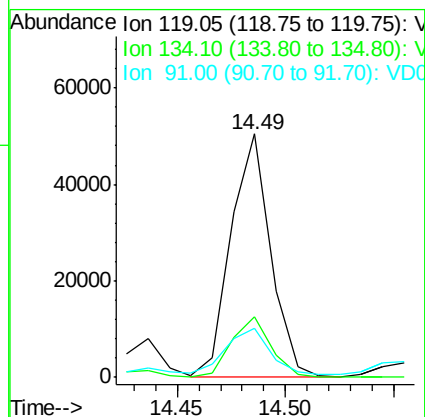
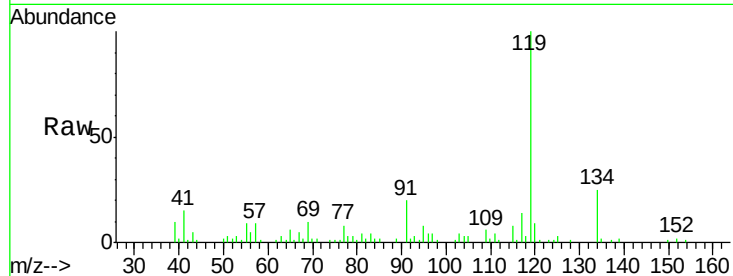




#86
 p-Isopropyltoluene
 Concen: 11.505 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061768.D
 Acq: 12 Apr 2019 6:33

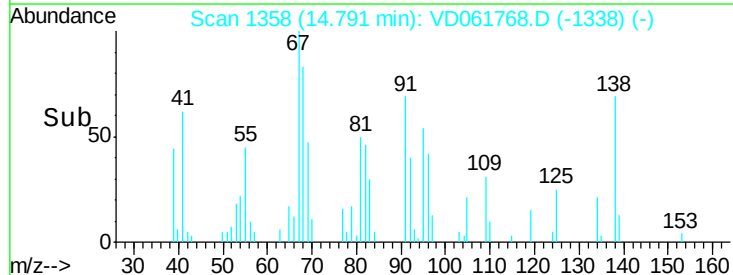
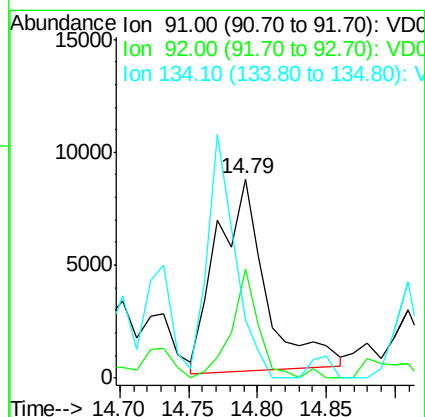
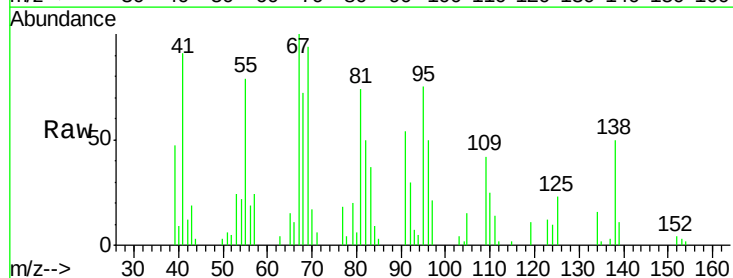
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

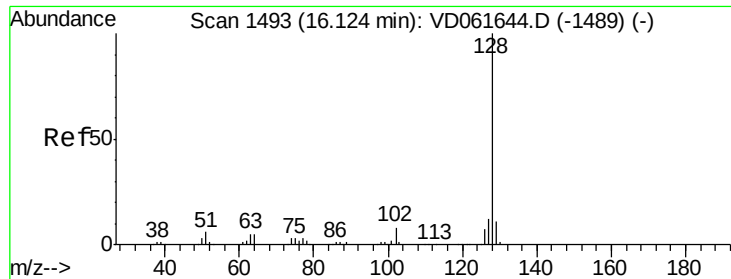
Tot Ion:119 Resp: 64763
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 20.2 11.0 33.0



#89
 n-Butylbenzene
 Concen: 4.310 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD061768.D
 Acq: 12 Apr 2019 6:33

Tgt Ion: 91 Resp: 21085
 Ion Ratio Lower Upper
 91 100
 92 54.6 29.8 89.4
 134 29.0 12.2 36.4

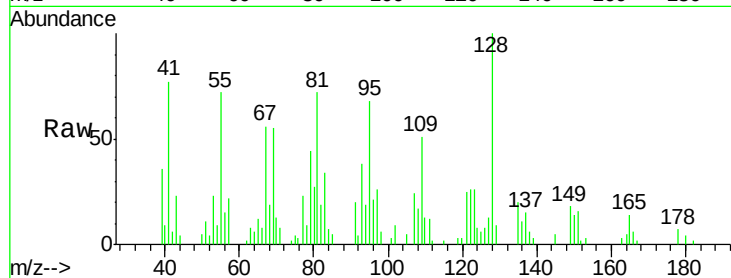




#95
Naphthalene
Concen: 10.683 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061768.D
Acq: 12 Apr 2019 6:33

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tot Ion:128 Resp: 22251
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.2
129 9.1 8.8 13.2



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

