

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058167.D
 Acq On : 15 Jun 2018 22:18
 Operator : VA/AP
 Sample : J3524-03
 Misc : 4.22g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AREA-3(D)

Quant Time: Jun 16 00:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	560814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	721083	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	531250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	185153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	369329	65.87	ug/l	-0.01
Spiked Amount			Recovery	=	131.74%	
35) Dibromofluoromethane	5.54	113	354600	63.56	ug/l	-0.02
Spiked Amount			Recovery	=	127.12%	
50) Toluene-d8	8.71	98	817074	61.60	ug/l	0.00
Spiked Amount			Recovery	=	123.20%	
62) 4-Bromofluorobenzene	11.93	95	254783	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

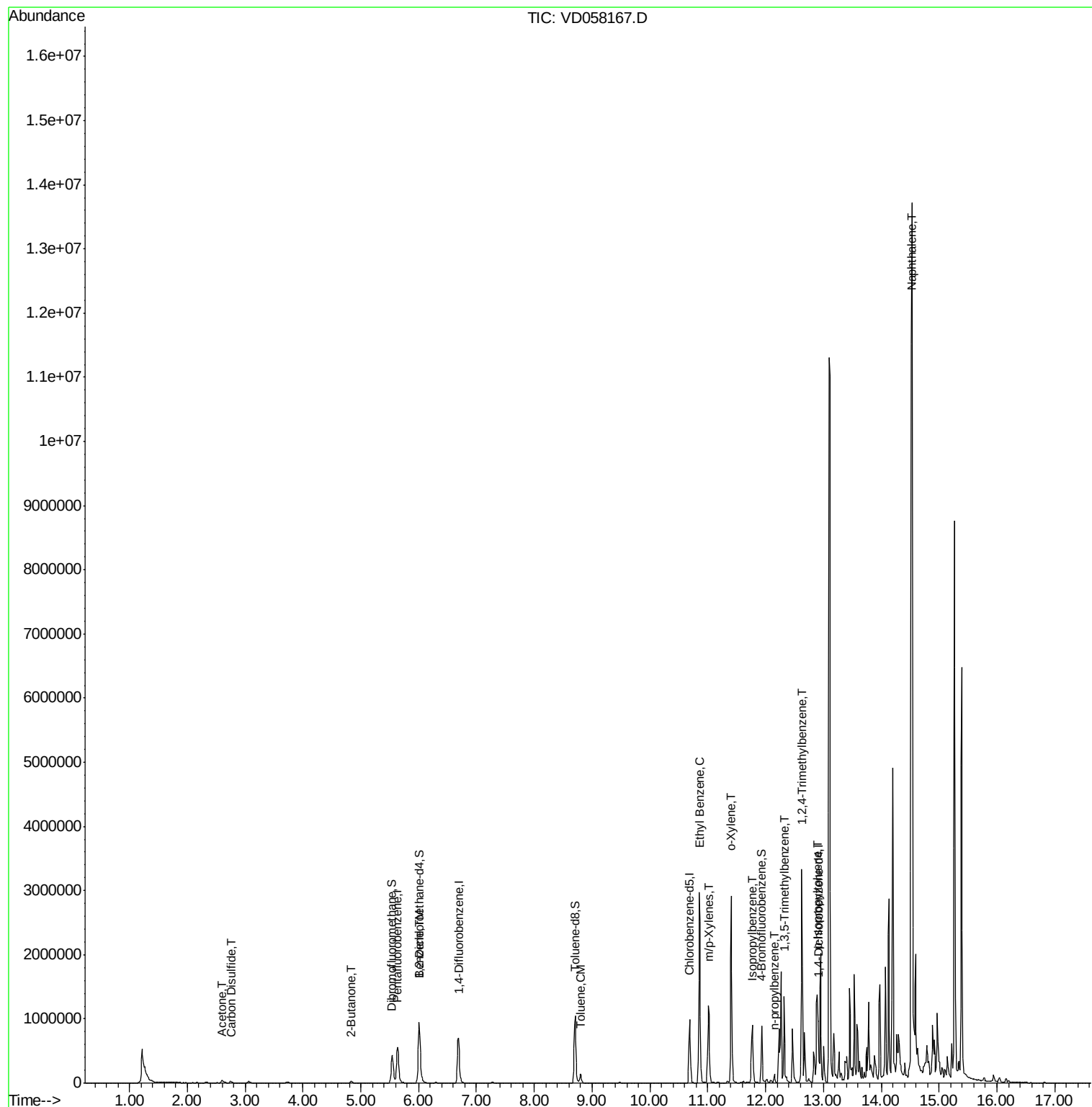
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	91182	112.880	ug/l	96
17) Carbon Disulfide	2.75	76	29155	3.578	ug/l #	82
25) 2-Butanone	4.83	43	29852	16.261	ug/l #	87
40) Benzene	6.01	78	685055	36.913	ug/l	100
52) Toluene	8.80	92	67154	6.305	ug/l	91
67) Ethyl Benzene	10.85	91	2207265	113.601	ug/l	100
68) m/p-Xylenes	11.01	106	379483	59.911	ug/l	95
69) o-Xylene	11.41	106	646899	102.890	ug/l	98
73) Isopropylbenzene	11.77	105	409291	33.374	ug/l	100
78) n-propylbenzene	12.15	91	87197	5.464	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	572398	59.849	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	1415683	137.669	ug/l	98
86) p-Isopropyltoluene	12.89	119	613000	58.357	ug/l	96
95) Naphthalene	14.54	128	12371088	2069.584	ug/l	97

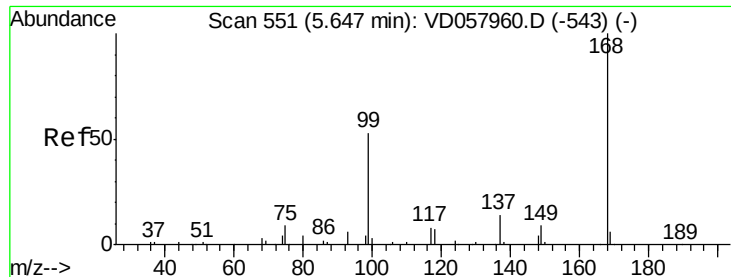
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
Data File : VD058167.D
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Quant Time: Jun 16 00:38:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

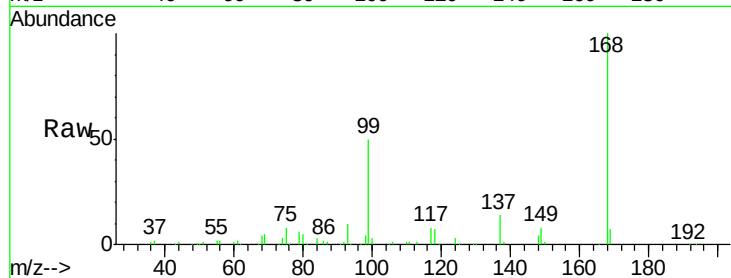
AREA-3(D)

Tot Ion:168 Resp: 560814

Ion Ratio Lower Upper

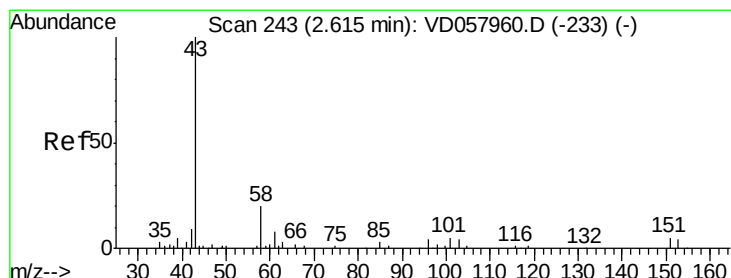
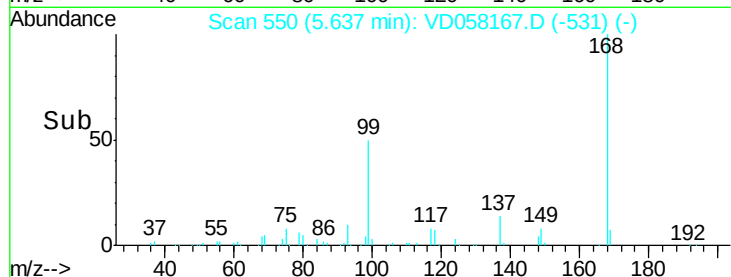
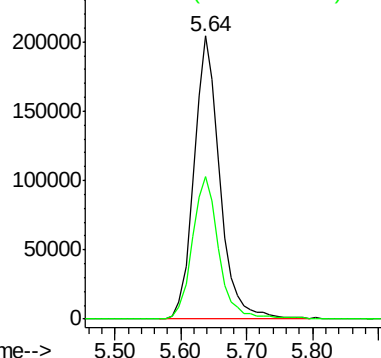
168 100

99 50.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 112.880 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058167.D

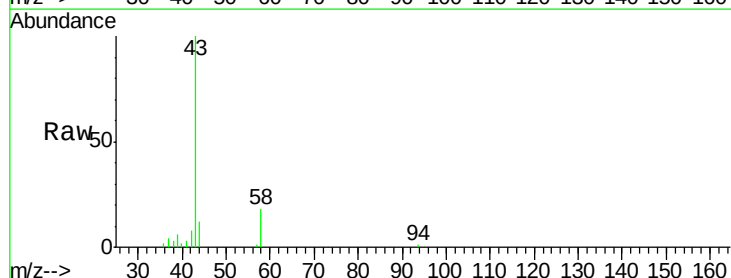
Acq: 15 Jun 2018 22:18

Tgt Ion: 43 Resp: 91182

Ion Ratio Lower Upper

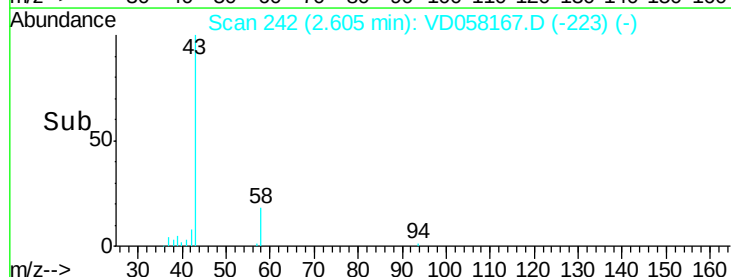
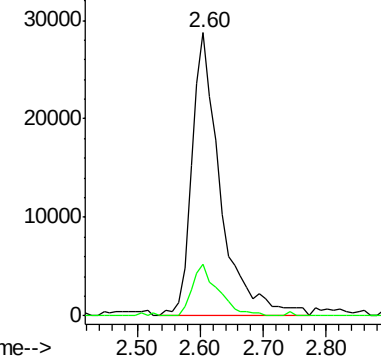
43 100

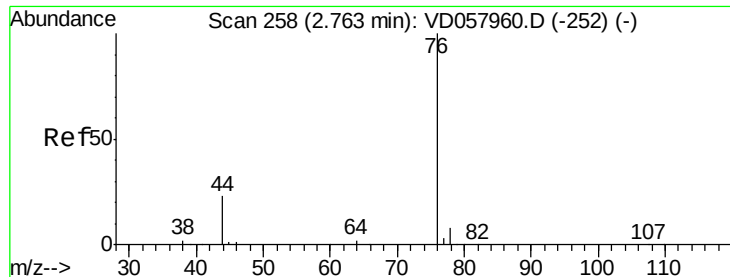
58 18.1 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 3.578 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

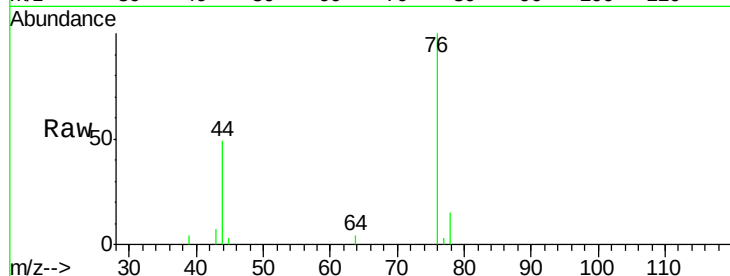
AREA-3(D)

Tot Ion: 76 Resp: 29155

Ion Ratio Lower Upper

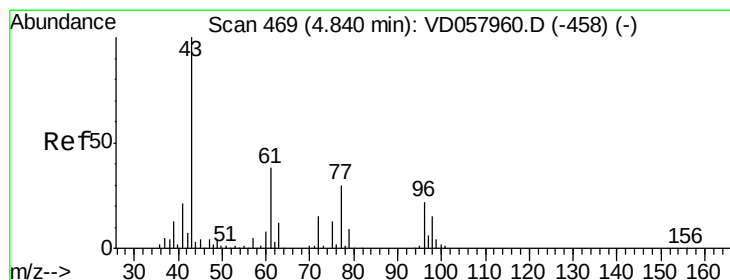
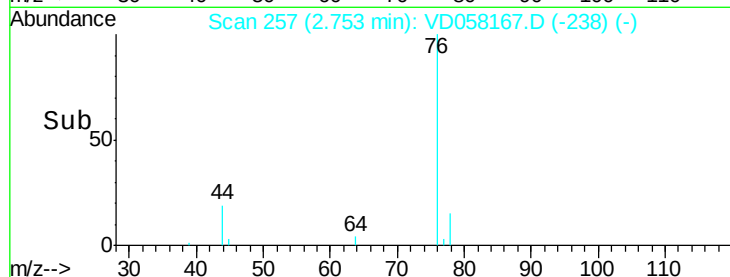
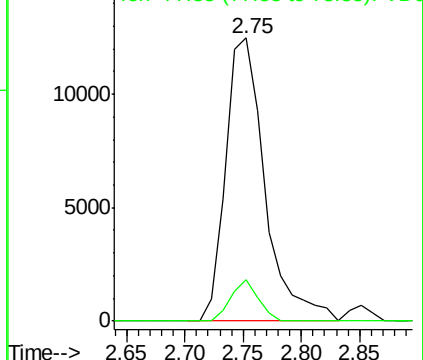
76 100

78 14.7 6.7 10.1#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#25

2-Butanone

Concen: 16.261 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058167.D

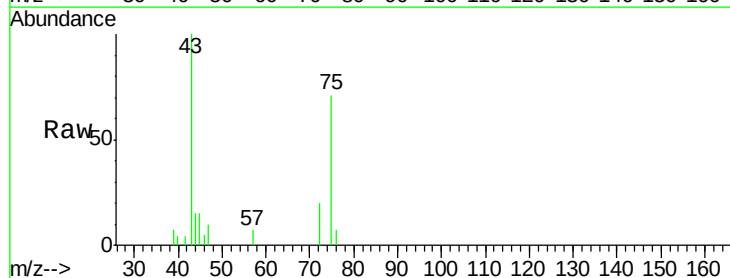
Acq: 15 Jun 2018 22:18

Tgt Ion: 43 Resp: 29852

Ion Ratio Lower Upper

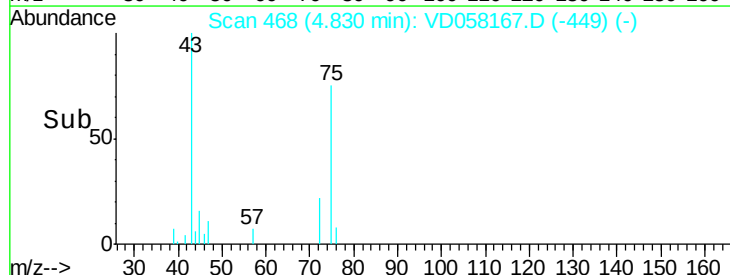
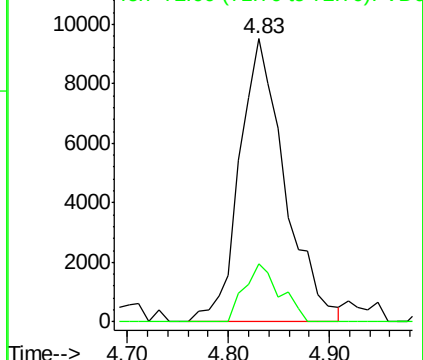
43 100

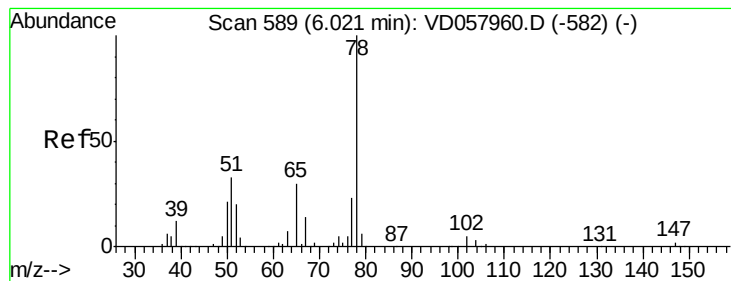
72 20.3 12.0 18.0#



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: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

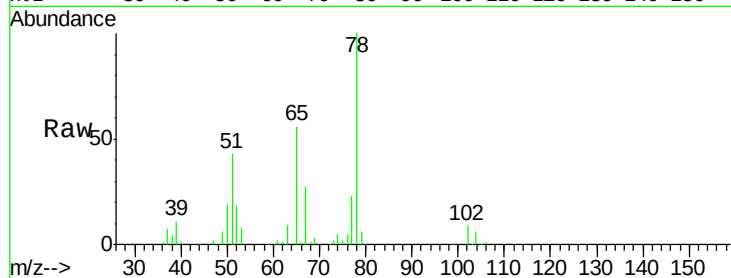
AREA-3(D)

Tot Ion: 65 Resp: 369329

Ion Ratio Lower Upper

65 100

67 48.8 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

150000

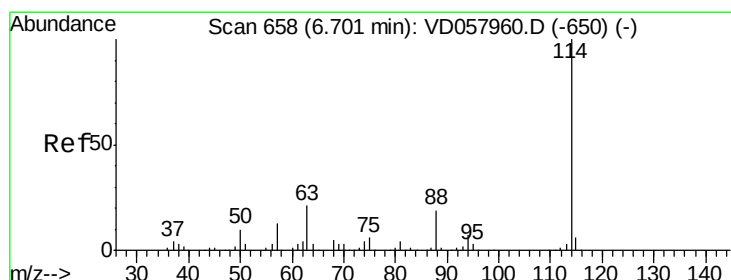
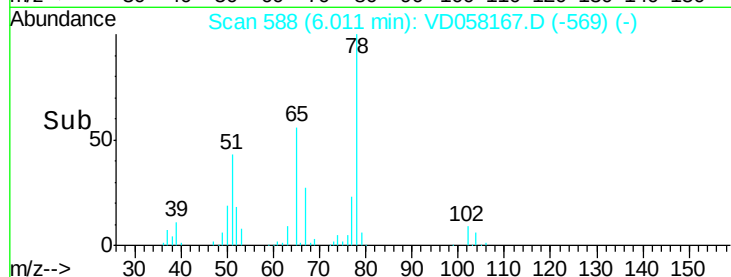
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

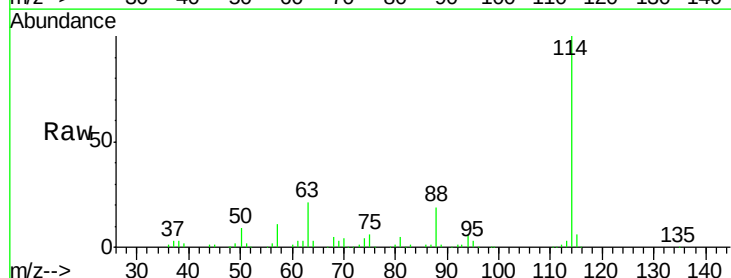
Tgt Ion: 114 Resp: 721083

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

88 18.9 0.0 37.8



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

6.69

300000

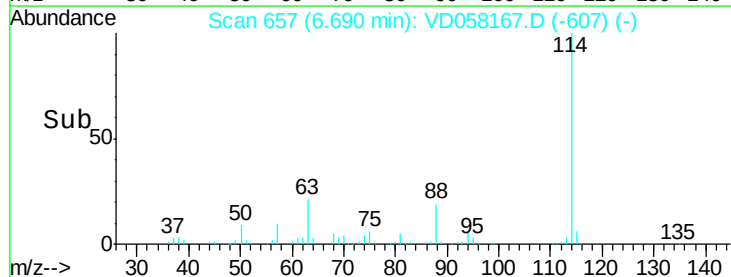
200000

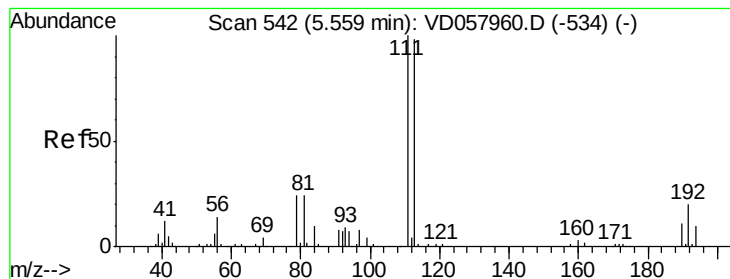
100000

0

6.60 6.70 6.80 6.90

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

AREA-3(D)

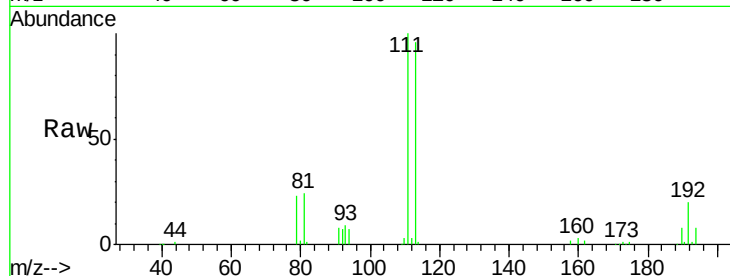
Tot Ion:113 Resp: 354600

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

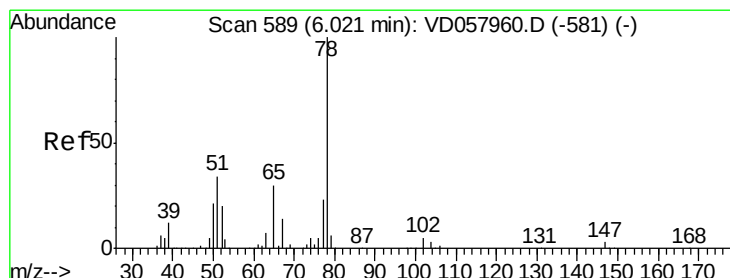
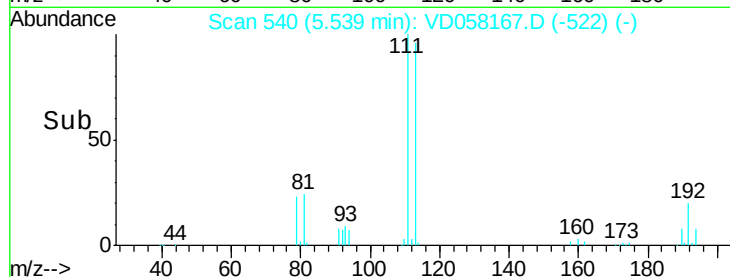
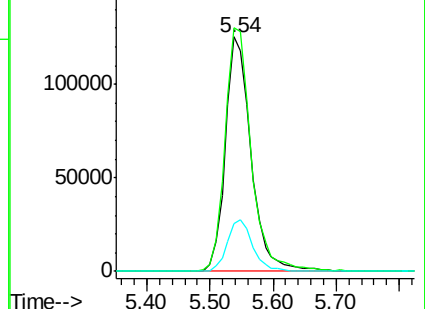
192 20.5 16.4 24.6



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



#40

Benzene

Concen: 36.913 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058167.D

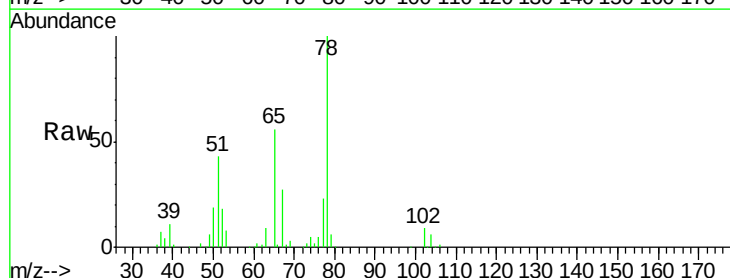
Acq: 15 Jun 2018 22:18

Tgt Ion: 78 Resp: 685055

Ion Ratio Lower Upper

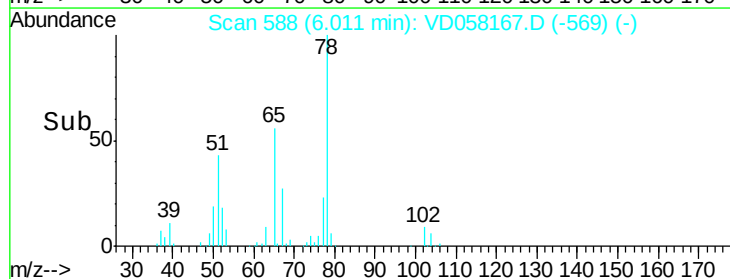
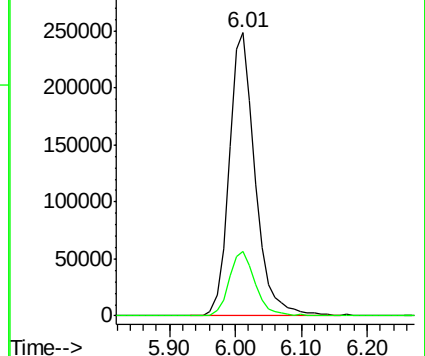
78 100

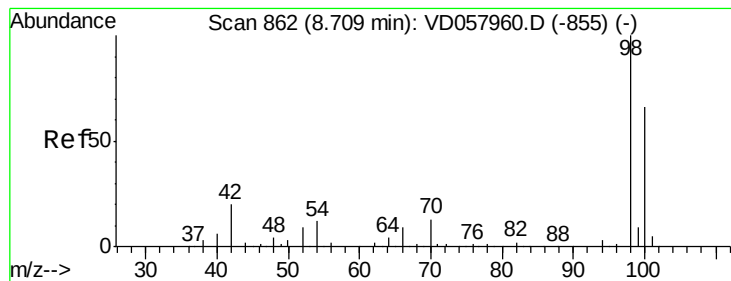
77 22.7 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

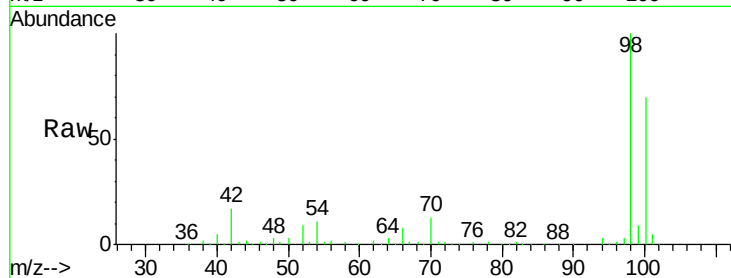
AREA-3(D)

Tot Ion: 98 Resp: 817074

Ion Ratio Lower Upper

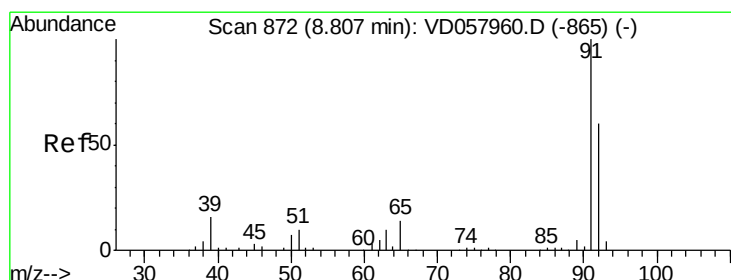
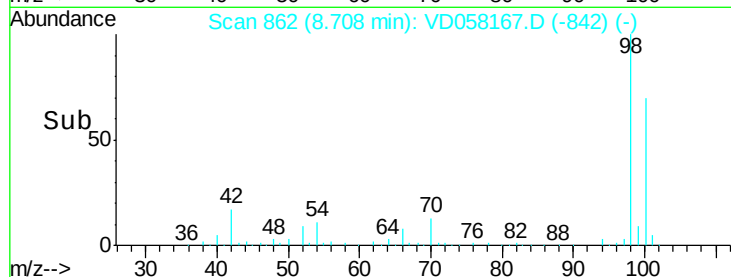
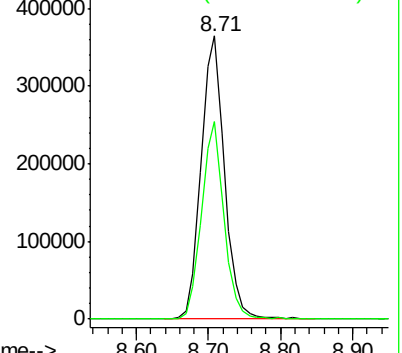
98 100

100 69.7 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 6.305 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058167.D

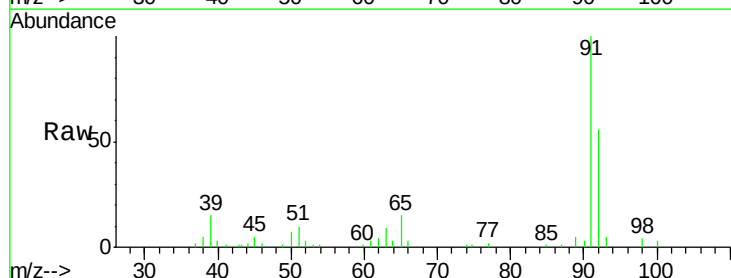
Acq: 15 Jun 2018 22:18

Tgt Ion: 92 Resp: 67154

Ion Ratio Lower Upper

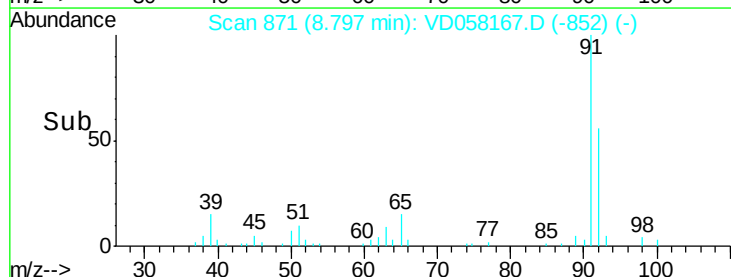
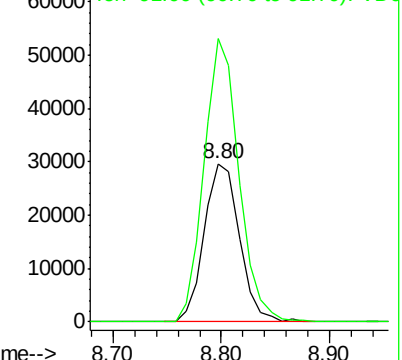
92 100

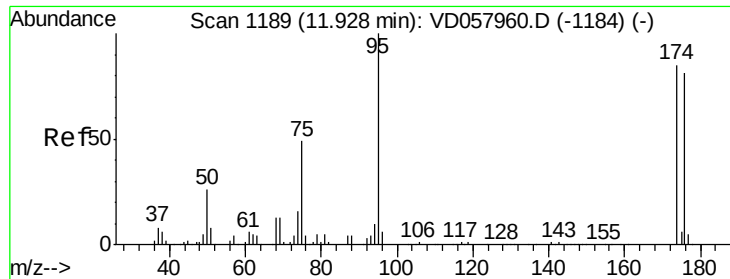
91 178.7 133.0 199.6



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: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampleId :

AREA-3(D)

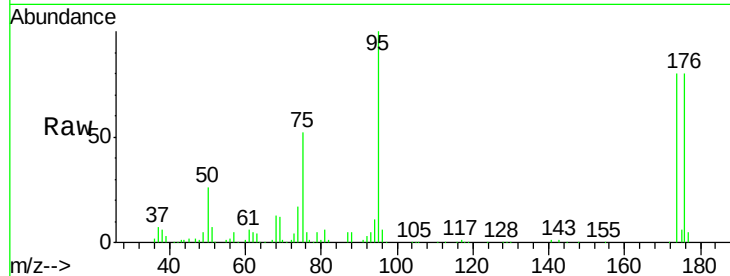
Tot Ion: 95 Resp: 254783

Ion Ratio Lower Upper

95 100

174 80.2 0.0 169.4

176 80.1 0.0 162.6

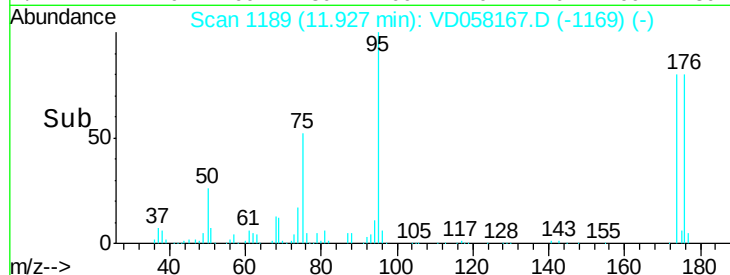


Abundance Ion 95.00 (94.70 to 95.70): V

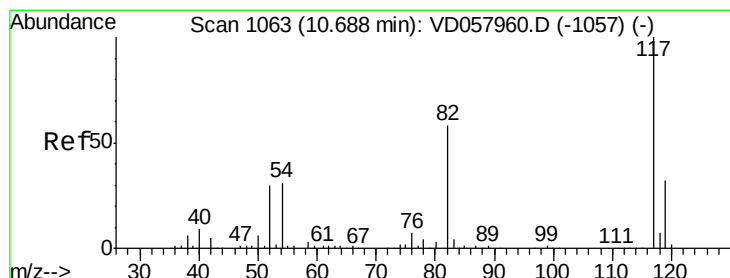
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

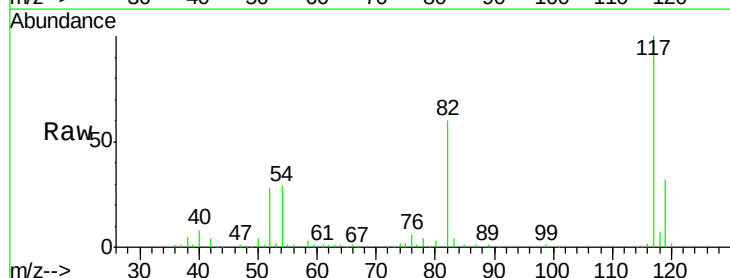
Tgt Ion: 117 Resp: 531250

Ion Ratio Lower Upper

117 100

82 60.4 46.8 70.2

119 32.3 25.8 38.6

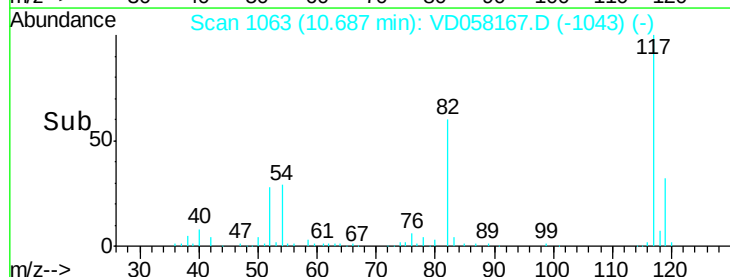


Abundance Ion 116.95 (116.65 to 117.65): V

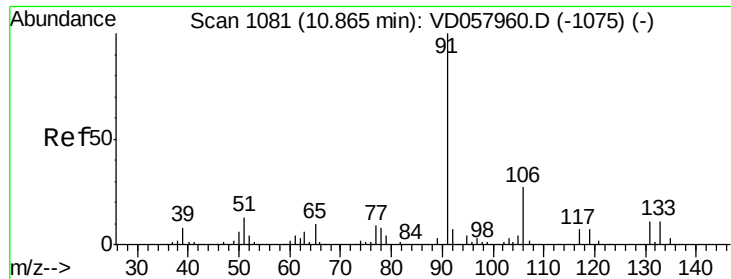
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



Time-->



#67

Ethyl Benzene

Concen: 113.601 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampled :

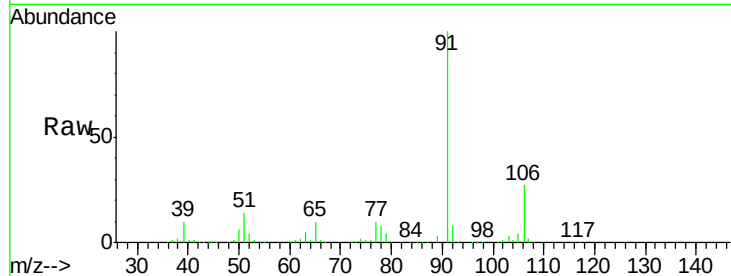
AREA-3(D)

Tot Ion: 91 Resp: 2207265

Ion Ratio Lower Upper

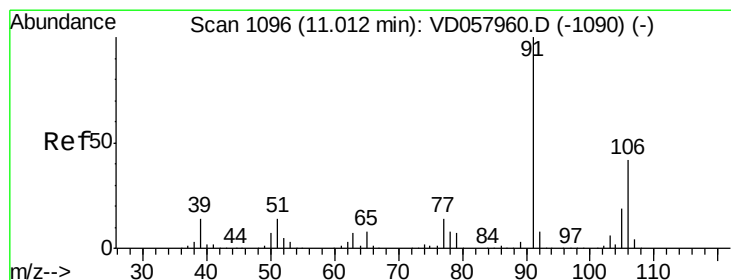
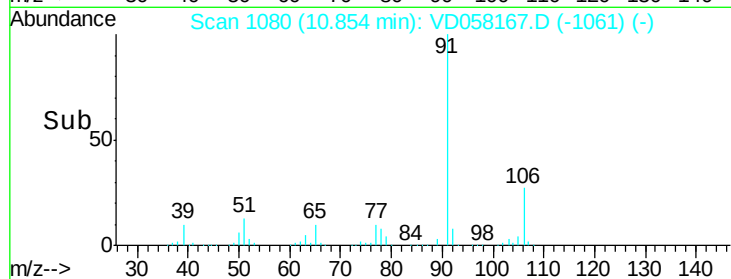
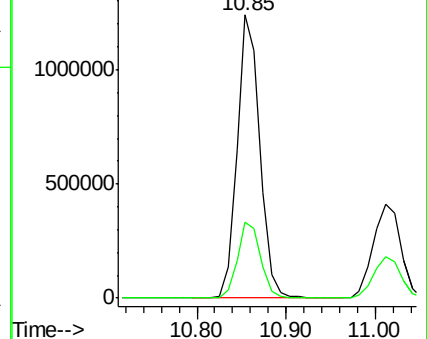
91 100

106 27.0 21.5 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 59.911 ug/l

RT: 11.01 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VD058167.D

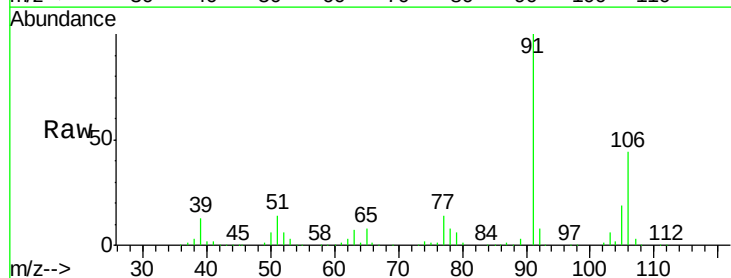
Acq: 15 Jun 2018 22:18

Tgt Ion: 106 Resp: 379483

Ion Ratio Lower Upper

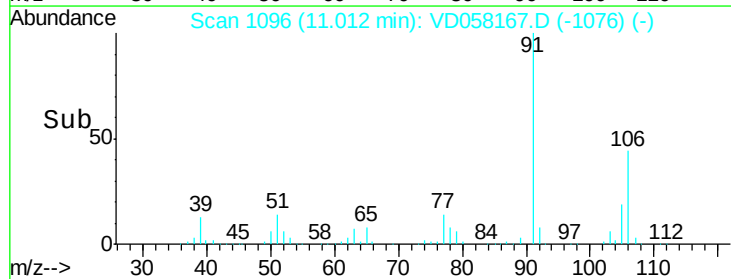
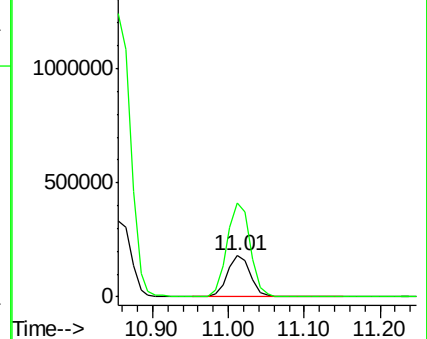
106 100

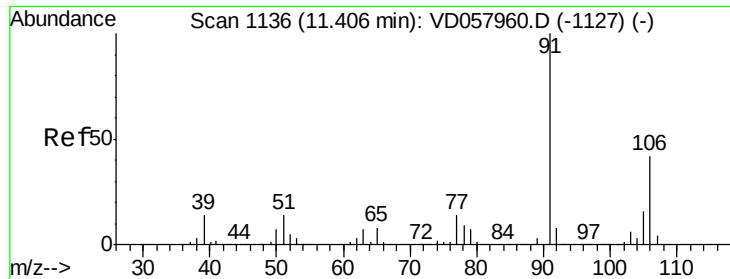
91 228.9 190.4 285.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

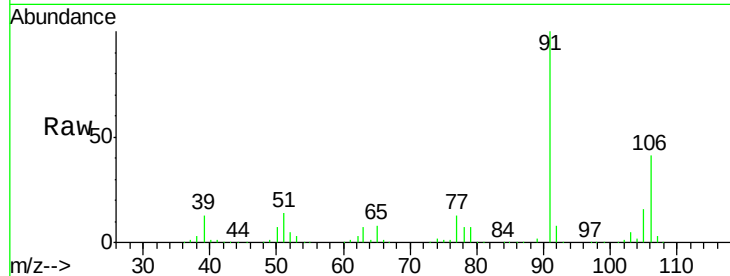




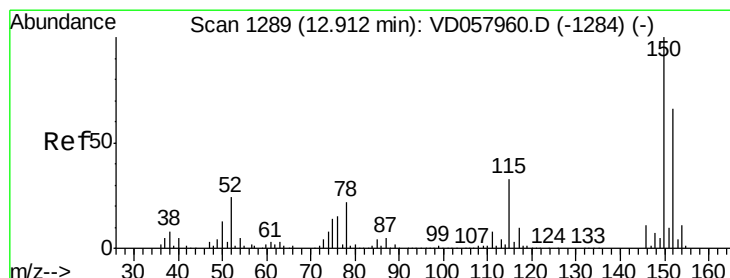
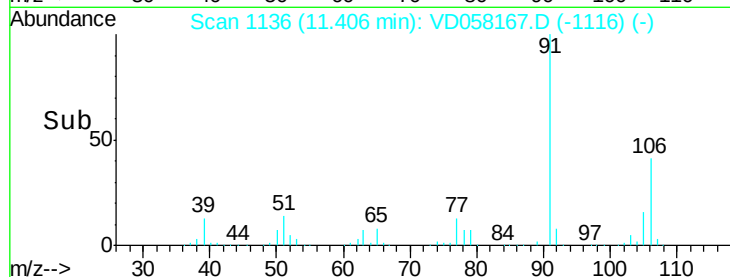
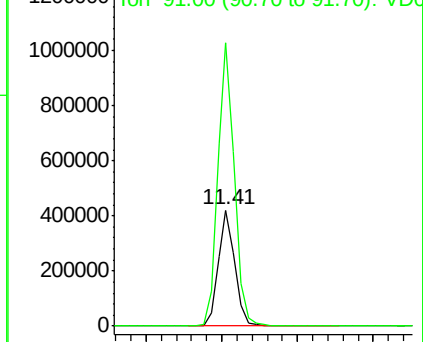
#69
o-Xylene
Concen: 102.890 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058167.D
Acq: 15 Jun 2018 22:18

Instrument :
MSVOA_D
ClientSampled :
AREA-3(D)

Tot Ion:106 Resp: 646899
Ion Ratio Lower Upper
106 100
91 244.4 120.6 361.7

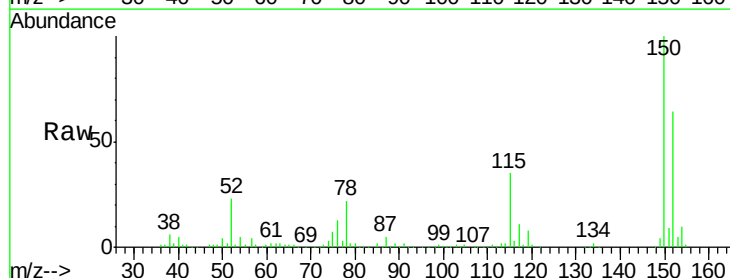


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

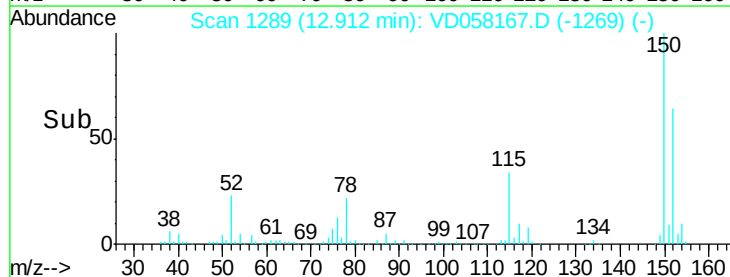
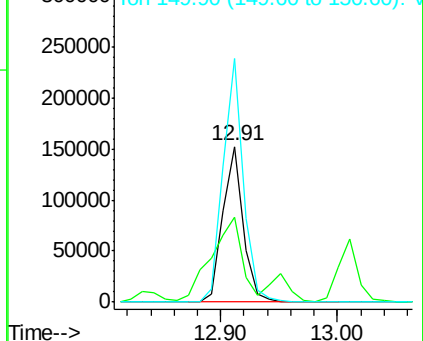


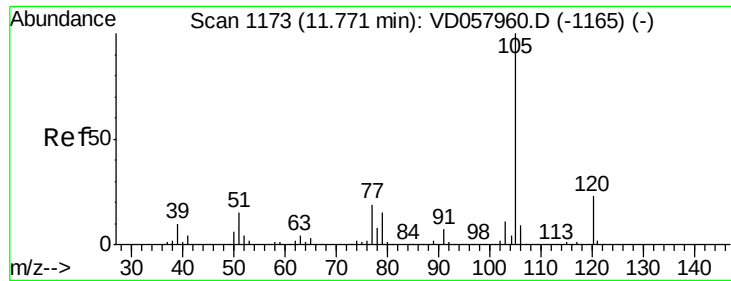
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058167.D
Acq: 15 Jun 2018 22:18

Tgt Ion:152 Resp: 185153
Ion Ratio Lower Upper
152 100
115 54.2 25.6 76.6
150 156.4 0.0 306.8



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





#73

Isopropylbenzene

Concen: 33.374 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058167.D

Acq: 15 Jun 2018 22:18

Instrument :

MSVOA_D

ClientSampled :

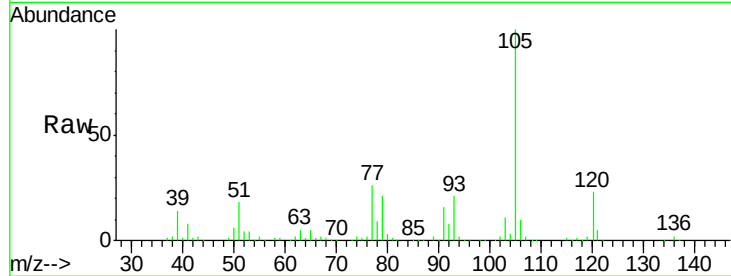
AREA-3(D)

Tot Ion:105 Resp: 409291

Ion Ratio Lower Upper

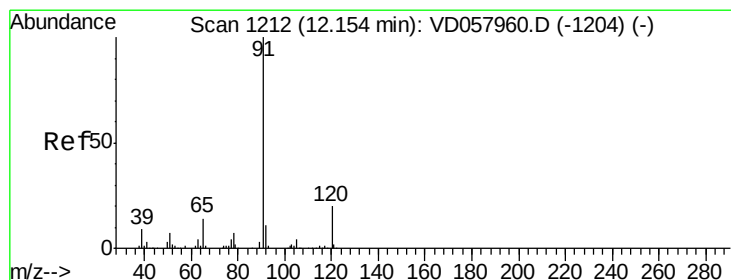
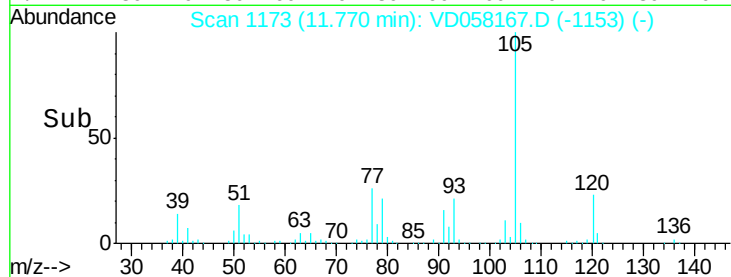
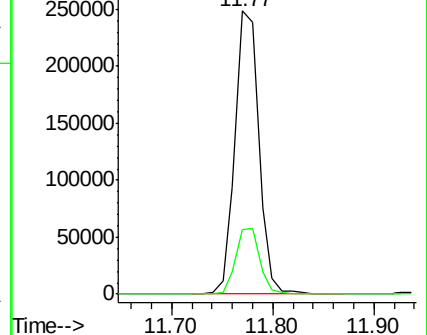
105 100

120 22.8 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 5.464 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058167.D

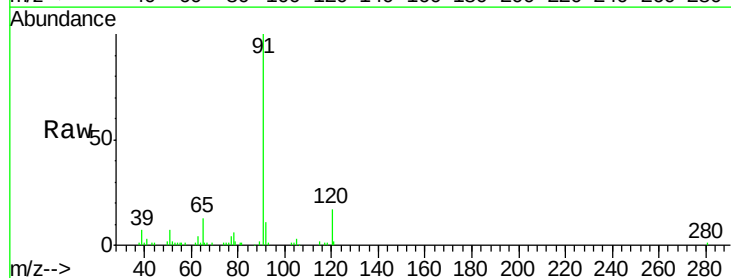
Acq: 15 Jun 2018 22:18

Tgt Ion: 91 Resp: 87197

Ion Ratio Lower Upper

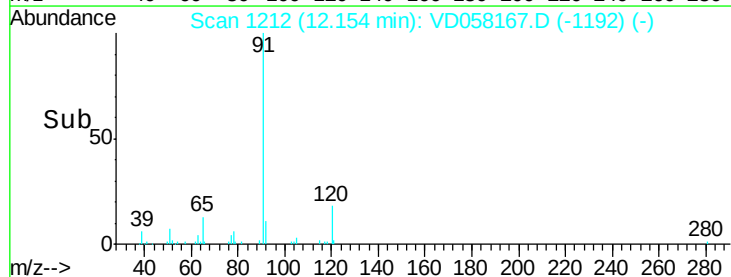
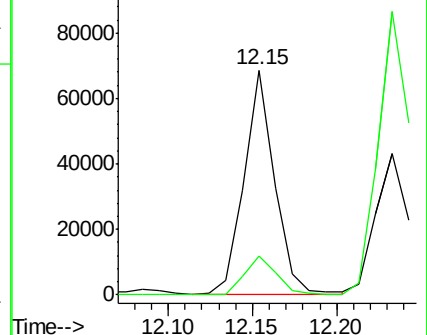
91 100

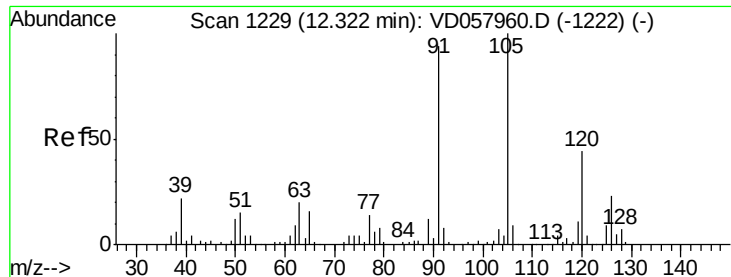
120 17.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

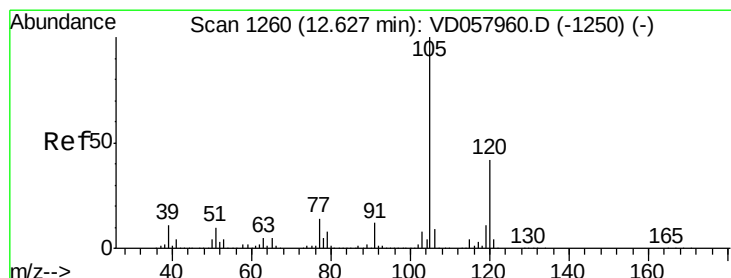
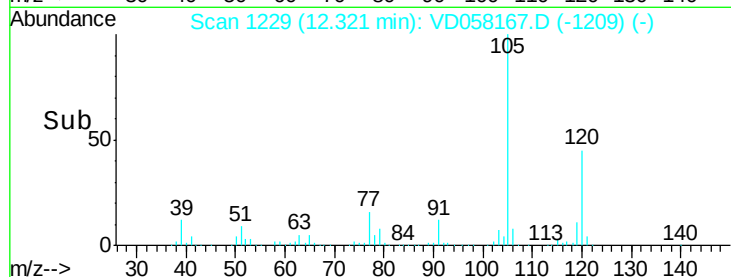
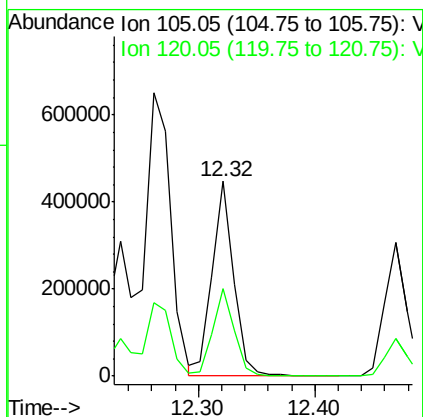
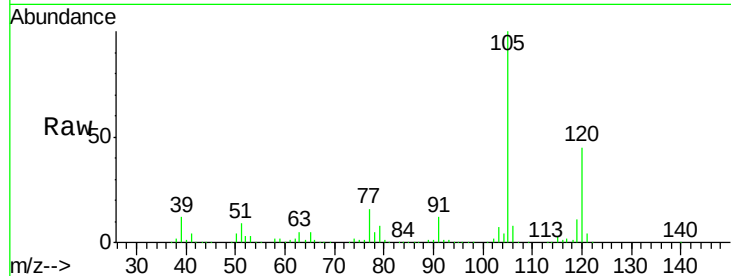




#80
 1,3,5-Trimethylbenzene
 Concen: 59.849 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058167.D
 Acq: 15 Jun 2018 22:18

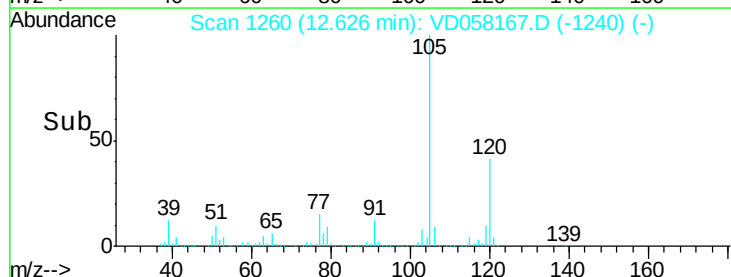
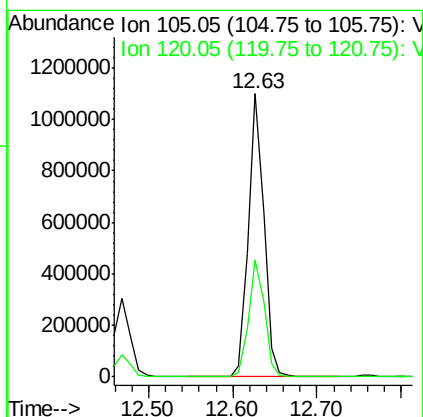
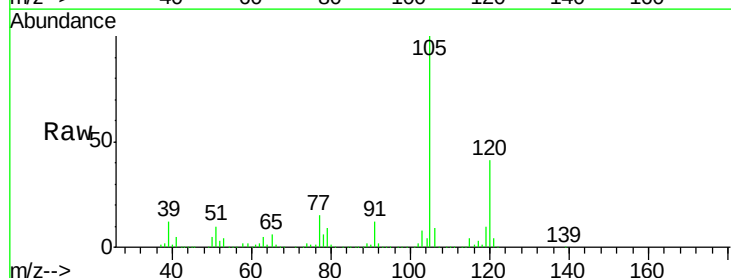
Instrument :
 MSVOA_D
 ClientSampleId :
 AREA-3(D)

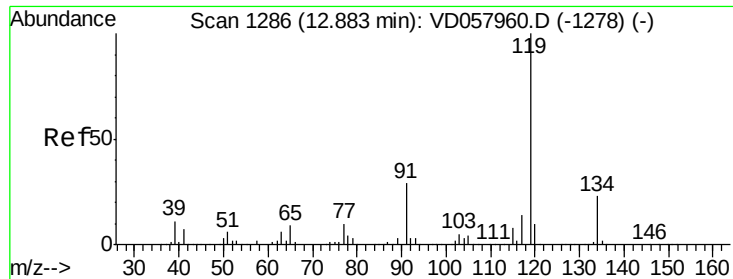
Tot Ion:105 Resp: 572398
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.0 66.0



#84
 1,2,4-Trimethylbenzene
 Concen: 137.669 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058167.D
 Acq: 15 Jun 2018 22:18

Tgt Ion:105 Resp: 1415683
 Ion Ratio Lower Upper
 105 100
 120 41.2 21.2 63.6

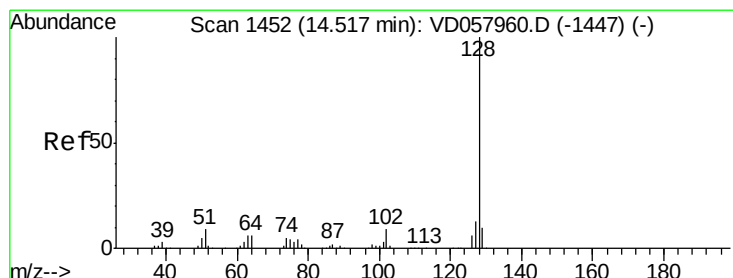
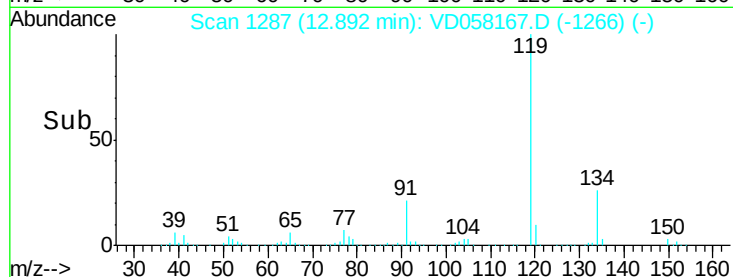
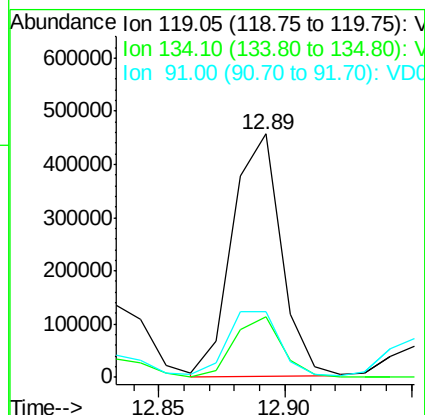
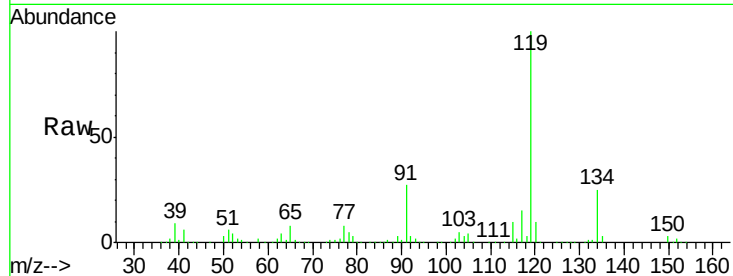




#86
p-Isopropyltoluene
Concen: 58.357 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VD058167.D
Acq: 15 Jun 2018 22:18

Instrument :
MSVOA_D
ClientSampleId :
AREA-3(D)

Tot Ion:119 Resp: 613000
Ion Ratio Lower Upper
119 100
134 25.1 11.5 34.4
91 26.9 14.5 43.6



#95
Naphthalene
Concen: 2069.584 ug/l
RT: 14.54 min Scan# 1454
Delta R.T. 0.02 min
Lab File: VD058167.D
Acq: 15 Jun 2018 22:18

Tgt Ion:128 Resp:12371088
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 11.2 8.2 12.2

