

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061261.D
 Acq On : 22 Mar 2019 15:23
 Operator : VA/AP
 Sample : K1994-05RE
 Misc : 4.23g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40021RE

Quant Time: Mar 22 16:43:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	236486	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	8.27	114	442639	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	298684	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.55	152	84861	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.52	65	125918	63.97	ug/l	0.07
Spiked Amount			Recovery	=	127.94%	
35) Dibromofluoromethane	6.99	113	174517	53.13	ug/l	0.06
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	10.46	98	331411	40.17	ug/l	0.06
Spiked Amount			Recovery	=	80.34%	
62) 4-Bromofluorobenzene	13.58	95	107421	33.56	ug/l	0.03
Spiked Amount			Recovery	=	67.12%	

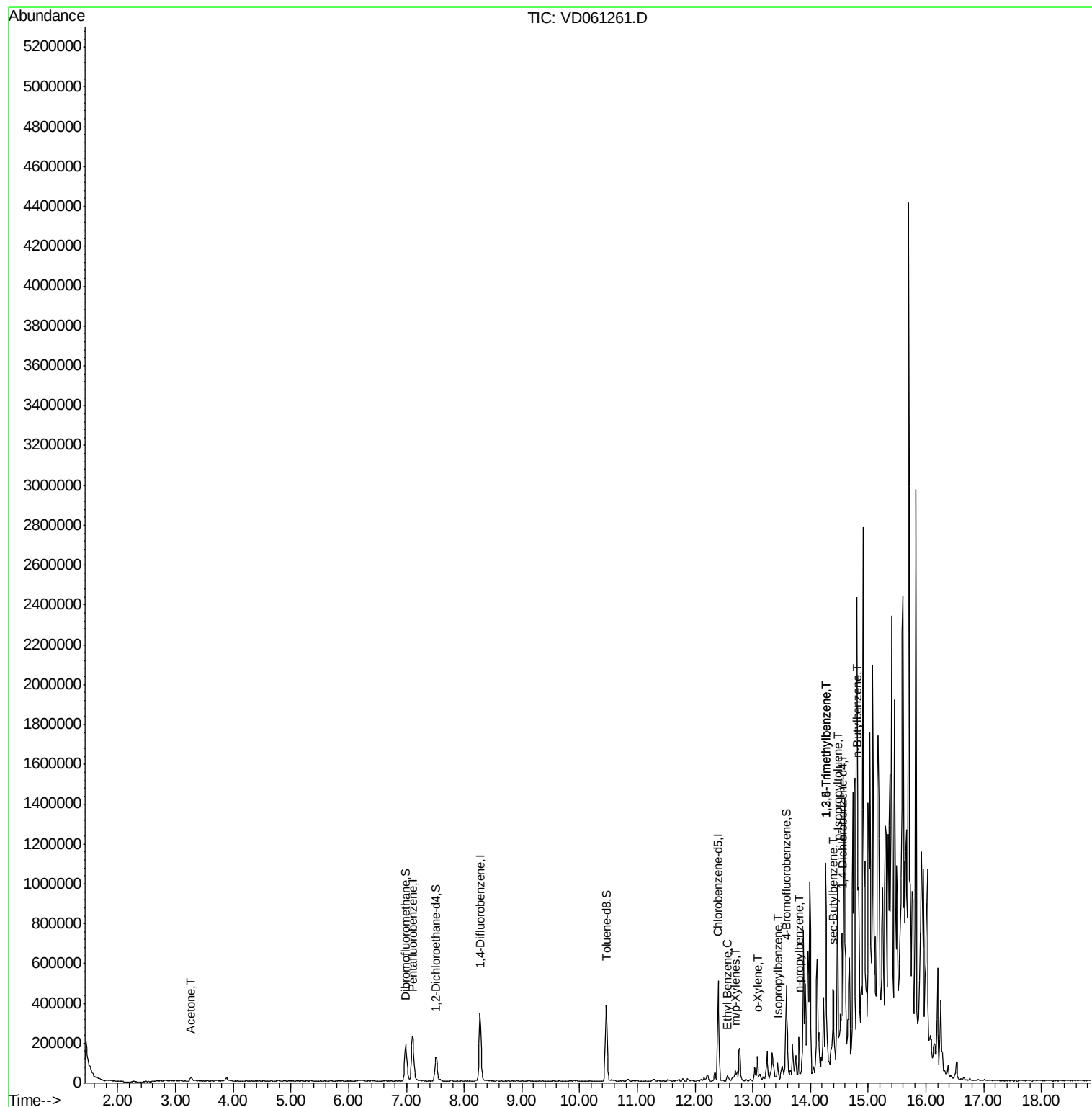
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.26	43	32068	56.969	ug/l	100
67) Ethyl Benzene	12.56	91	19792	2.270	ug/l	92
68) m/p-Xylenes	12.70	106	14313	4.183	ug/l	95
69) o-Xylene	13.08	106	27620	8.212	ug/l	96
73) Isopropylbenzene	13.43	105	32961	5.390	ug/l	99
78) n-propylbenzene	13.80	91	126706	17.697	ug/l	98
80) 1,3,5-Trimethylbenzene	14.26	105	501316	107.976	ug/l	98
84) 1,2,4-Trimethylbenzene	14.26	105	501316	107.976	ug/l	98
85) sec-Butylbenzene	14.39	105	157062	25.320	ug/l	96
86) p-Isopropyltoluene	14.47	119	292369	57.663	ug/l	96
89) n-Butylbenzene	14.82	91	323328	66.404	ug/l #	89

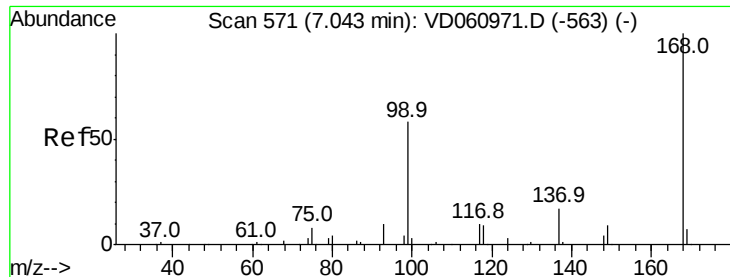
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.07 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

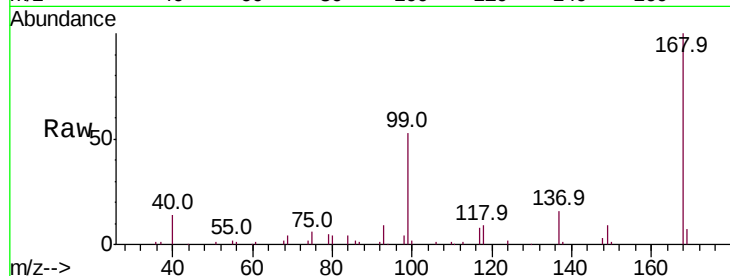
40021RE

Tot Ion:168 Resp: 236486

Ion Ratio Lower Upper

168 100

99 53.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.11

80000

60000

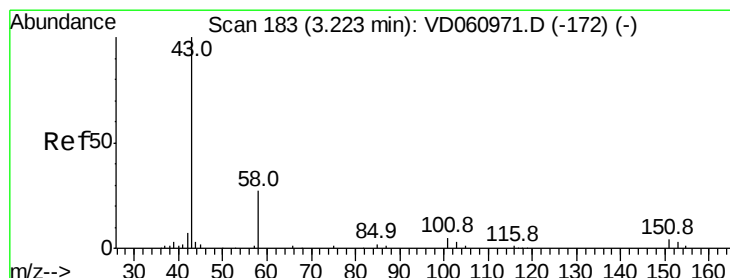
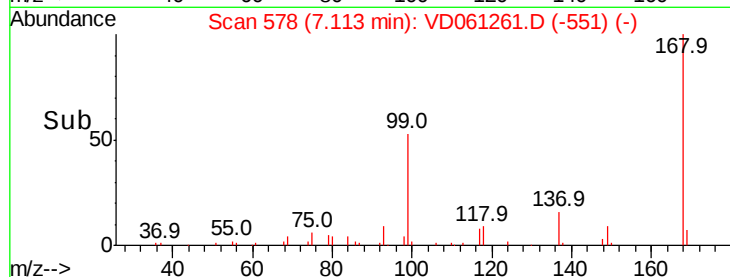
40000

20000

0

Time-->

7.00 7.10 7.20



#16

Acetone

Concen: 56.969 ug/l

RT: 3.26 min Scan# 187

Delta R.T. 0.04 min

Lab File: VD061261.D

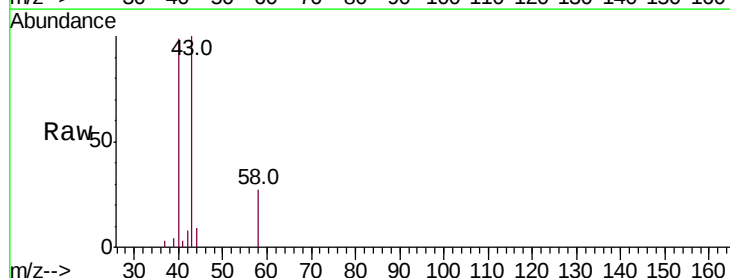
Acq: 22 Mar 2019 15:23

Tgt Ion: 43 Resp: 32068

Ion Ratio Lower Upper

43 100

58 26.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

12000

10000

8000

6000

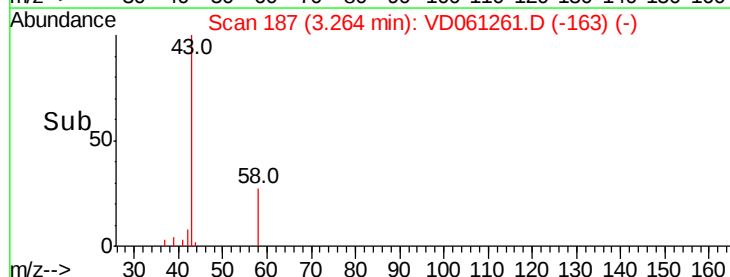
4000

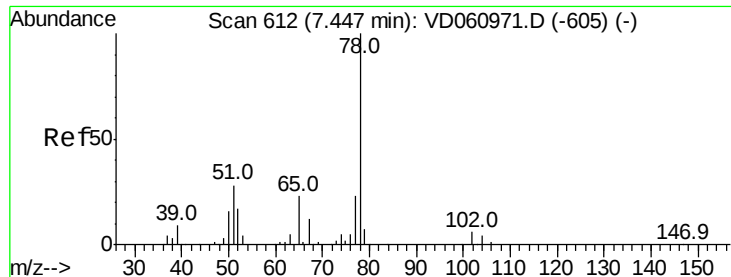
2000

0

Time-->

3.20 3.30 3.40





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.52 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

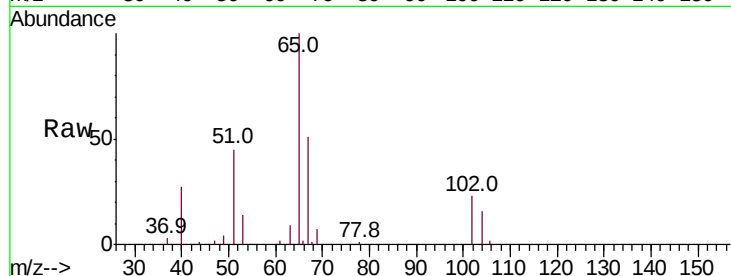
40021RE

Tot Ion: 65 Resp: 125918

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.52

40000

30000

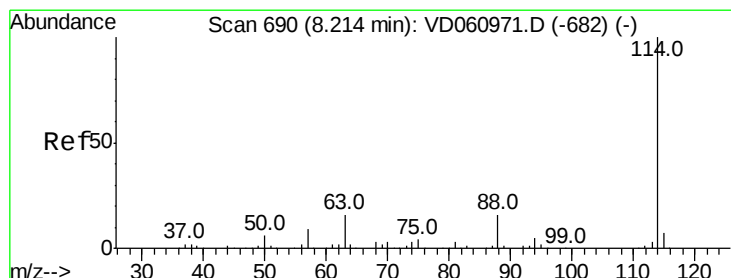
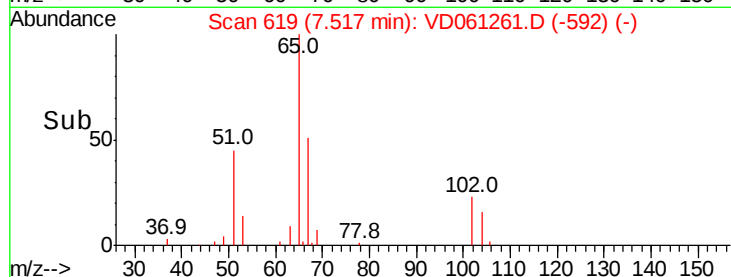
20000

10000

0

7.40 7.50 7.60 7.70

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

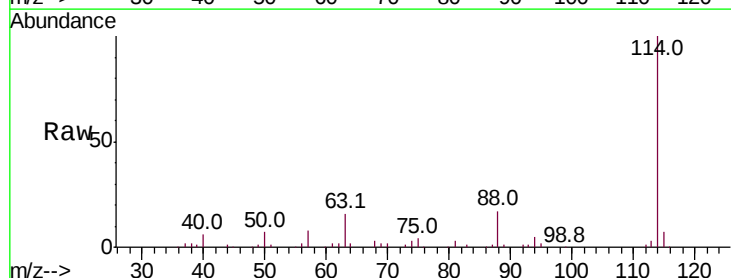
Tgt Ion:114 Resp: 442639

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

88 16.9 0.0 33.0



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

8.27

200000

150000

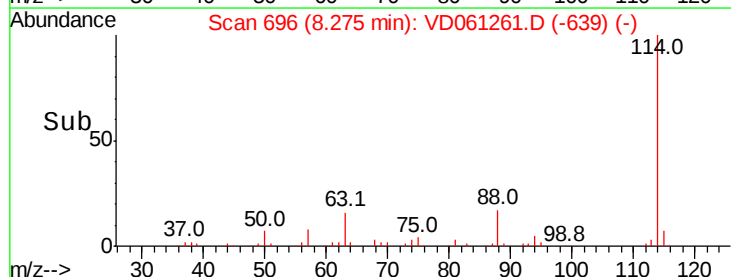
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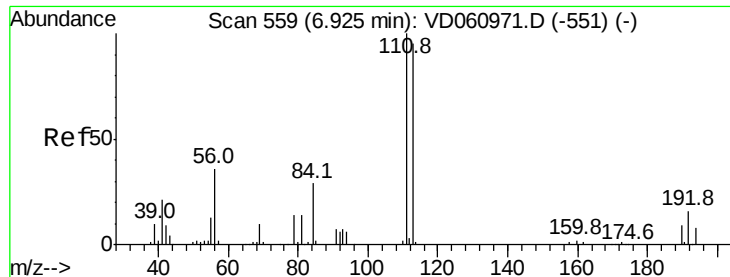
50000

0

8.10 8.20 8.30 8.40 8.50

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

40021RE

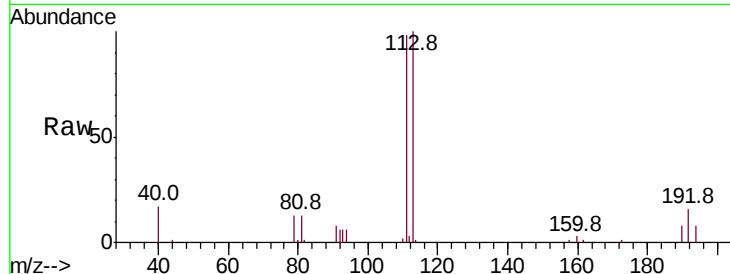
Tot Ion:113 Resp: 174517

Ion Ratio Lower Upper

113 100

111 98.5 84.2 126.4

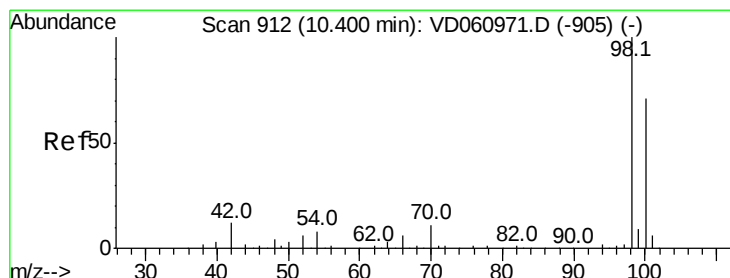
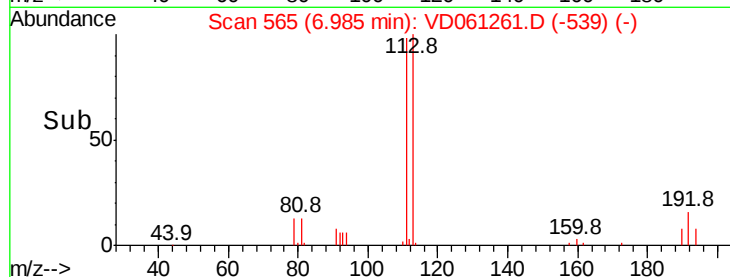
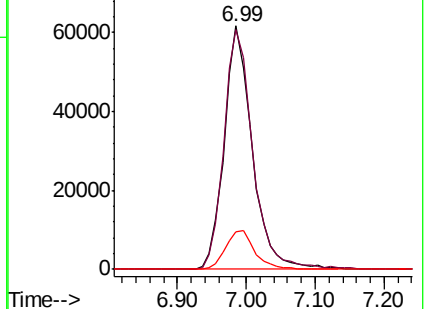
192 15.7 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061261.D

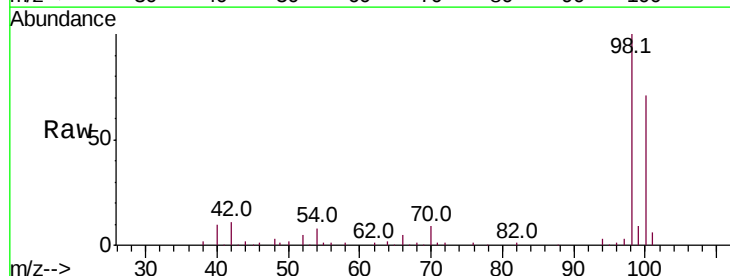
Acq: 22 Mar 2019 15:23

Tgt Ion: 98 Resp: 331411

Ion Ratio Lower Upper

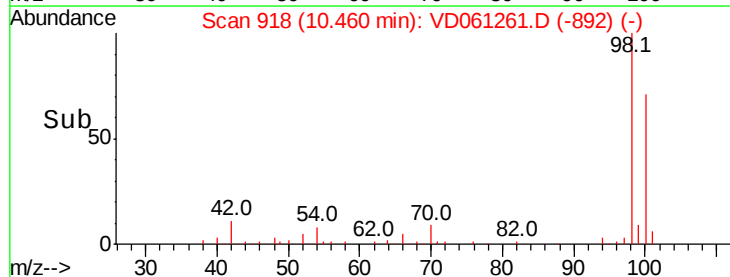
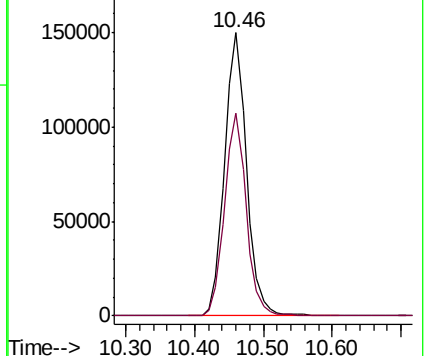
98 100

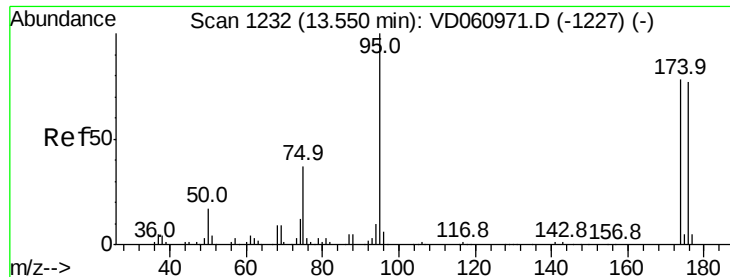
100 71.5 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

40021RE

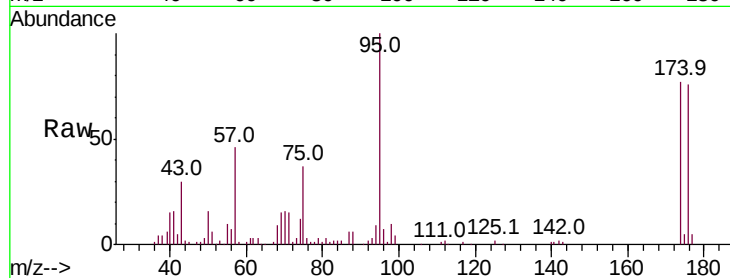
Tot Ion: 95 Resp: 107421

Ion Ratio Lower Upper

95 100

174 77.5 0.0 155.6

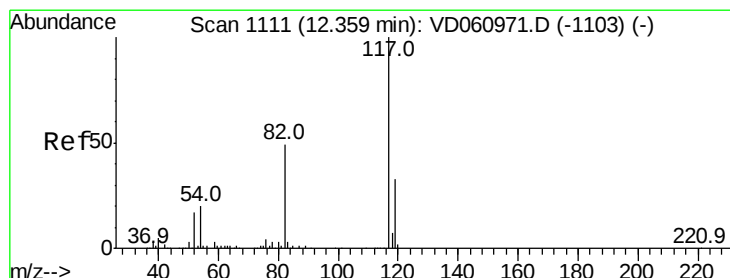
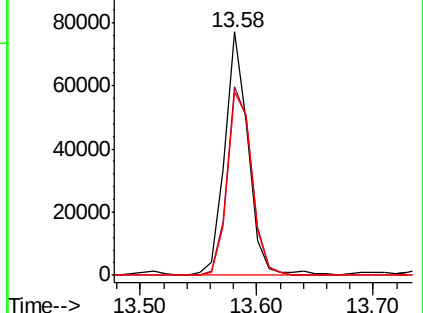
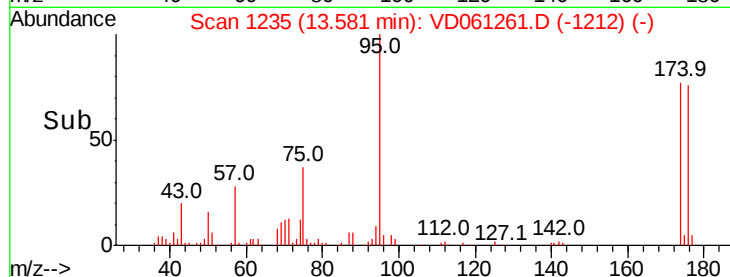
176 75.5 0.0 153.8



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: 12.40 min Scan# 1115

Delta R.T. 0.04 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

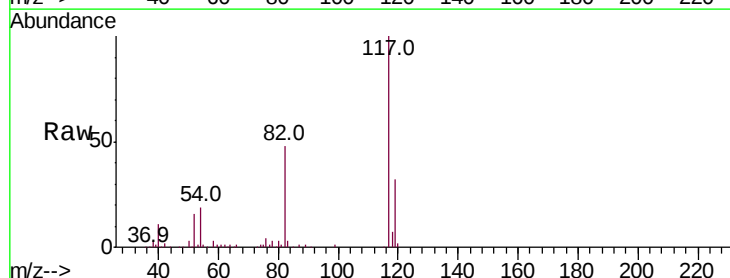
Tgt Ion: 117 Resp: 298684

Ion Ratio Lower Upper

117 100

82 47.6 38.9 58.3

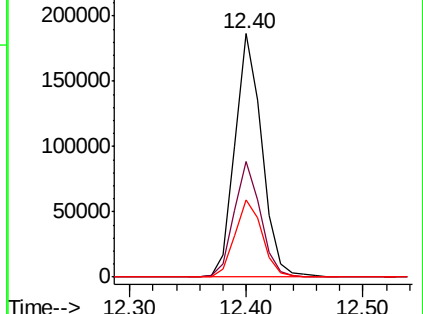
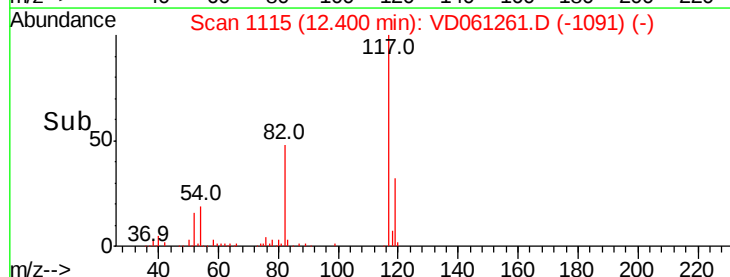
119 31.7 26.6 39.8

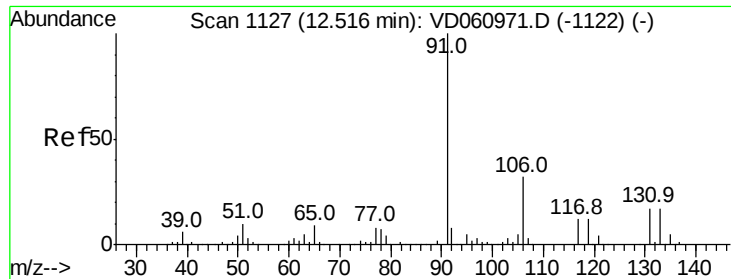


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 2.270 ug/l

RT: 12.56 min Scan# 1131

Delta R.T. 0.04 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

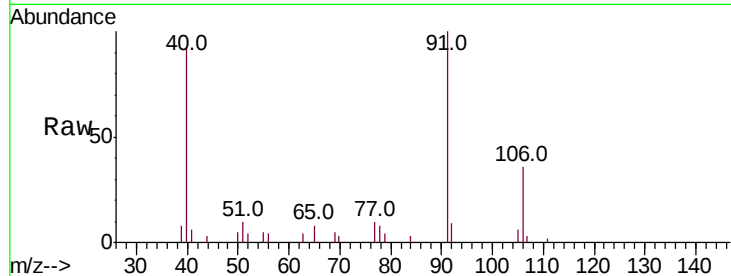
40021RE

Tot Ion: 91 Resp: 19792

Ion Ratio Lower Upper

91 100

106 36.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1122) (-)

Ion 106.05 (105.75 to 106.75): VD060971.D (-1122) (-)

12.56

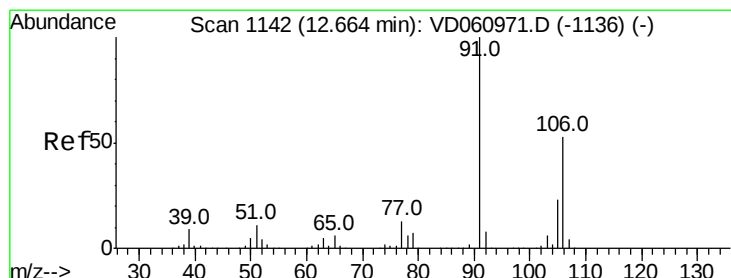
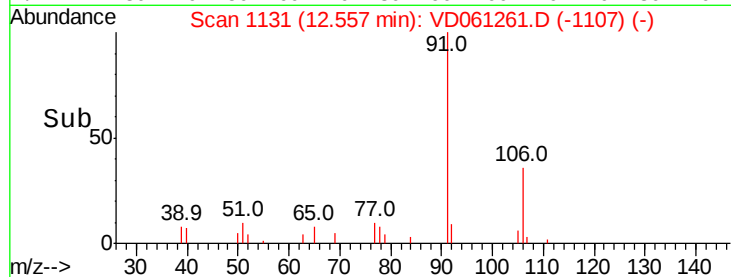
15000

10000

5000

0

Time-->



#68

m/p-Xylenes

Concen: 4.183 ug/l

RT: 12.70 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VD061261.D

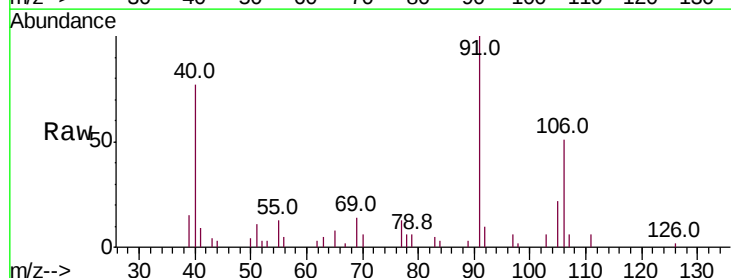
Acq: 22 Mar 2019 15:23

Tgt Ion: 106 Resp: 14313

Ion Ratio Lower Upper

106 100

91 196.8 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): VD060971.D (-1136) (-)

Ion 91.00 (90.70 to 91.70): VD060971.D (-1136) (-)

12.70

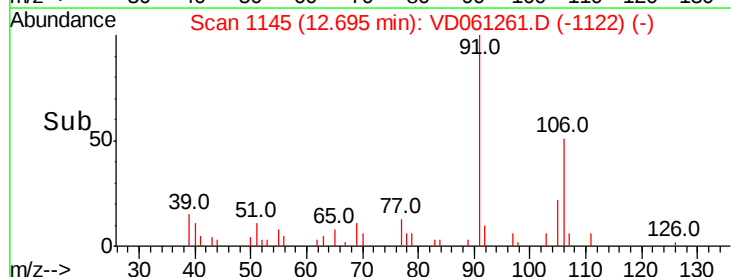
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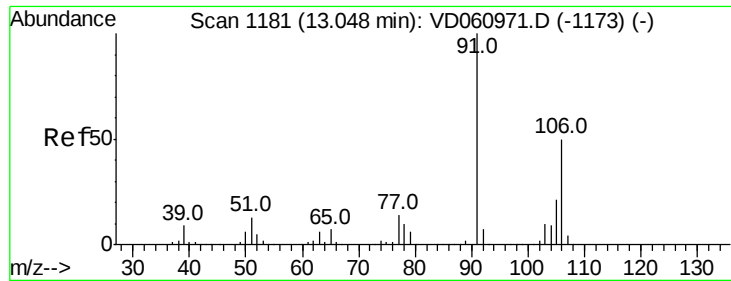
10000

5000

0

Time-->

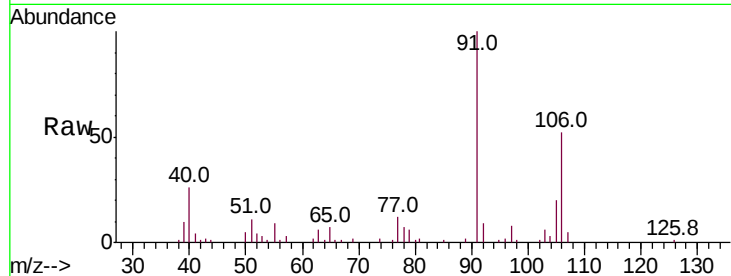




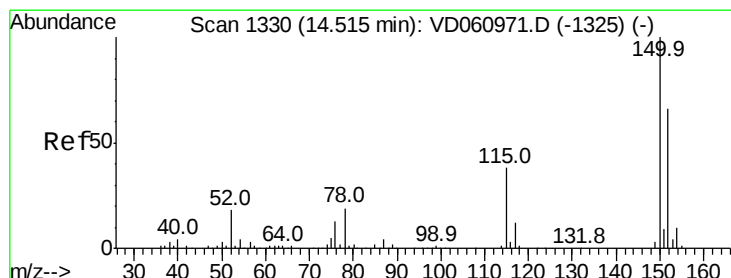
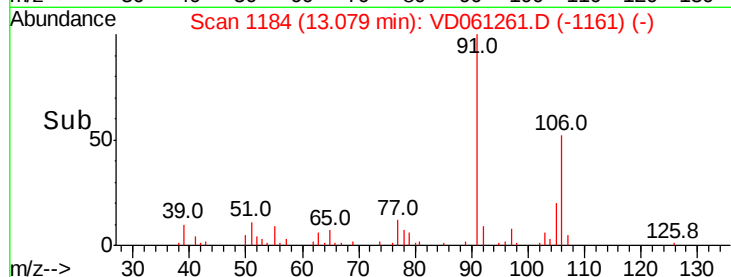
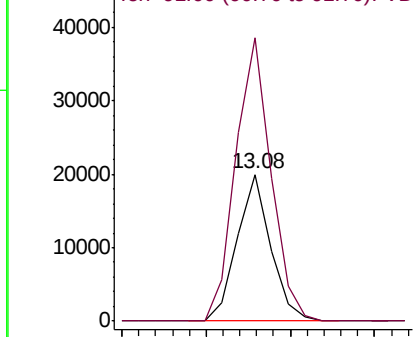
#69
o-Xylene
Concen: 8.212 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VD061261.D
Acq: 22 Mar 2019 15:23

Instrument :
MSVOA_D
ClientSampled :
40021RE

Tot Ion:106 Resp: 27620
Ion Ratio Lower Upper
106 100
91 192.7 99.8 299.3

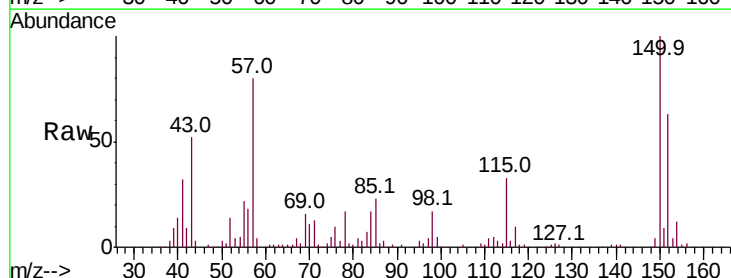


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

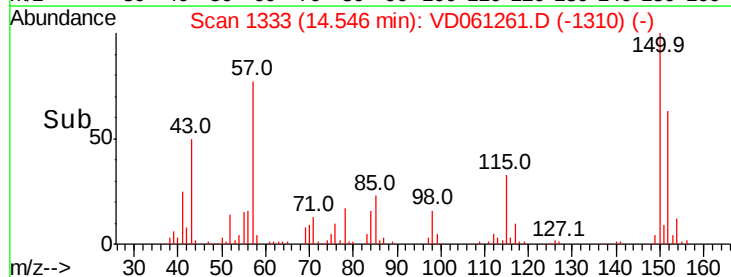
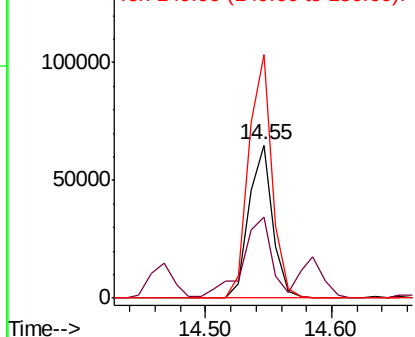


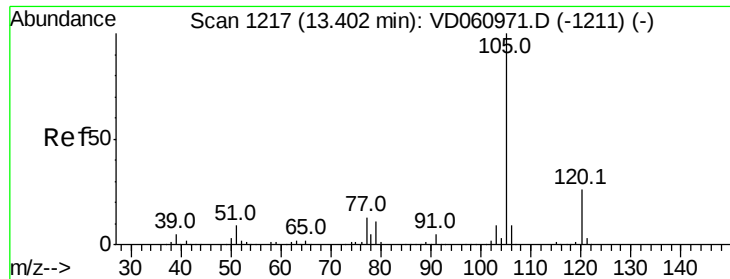
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.55 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD061261.D
Acq: 22 Mar 2019 15:23

Tgt Ion:152 Resp: 84861
Ion Ratio Lower Upper
152 100
115 53.1 28.6 85.9
150 159.2 0.0 310.6



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: 5.390 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

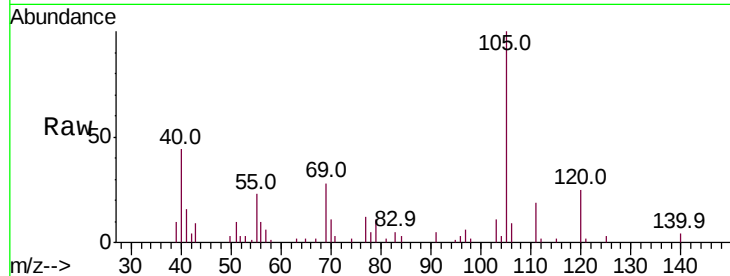
40021RE

Tot Ion:105 Resp: 32961

Ion Ratio Lower Upper

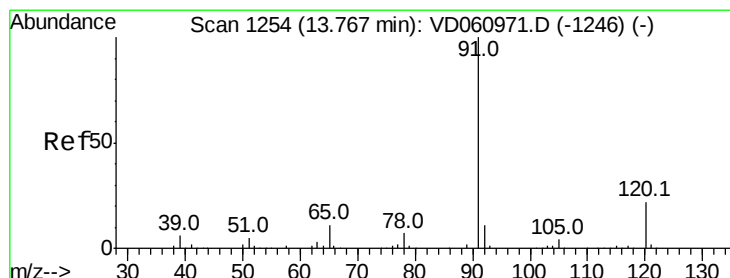
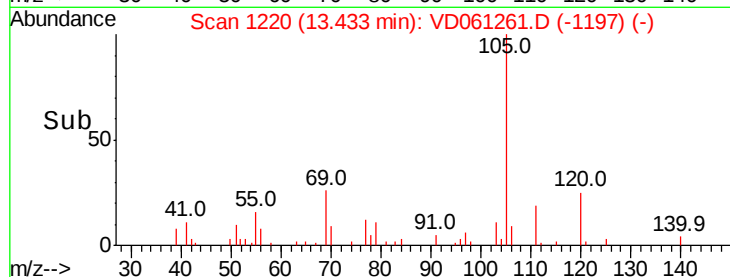
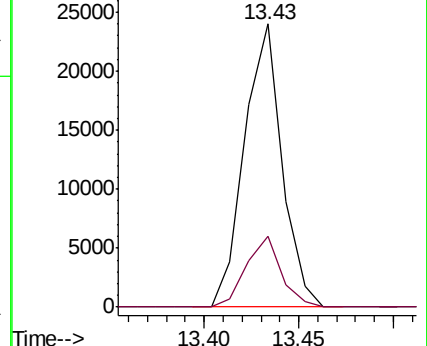
105 100

120 25.3 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#78

n-propylbenzene

Concen: 17.697 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD061261.D

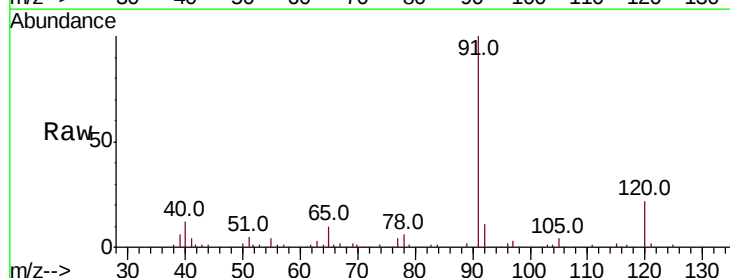
Acq: 22 Mar 2019 15:23

Tgt Ion: 91 Resp: 126706

Ion Ratio Lower Upper

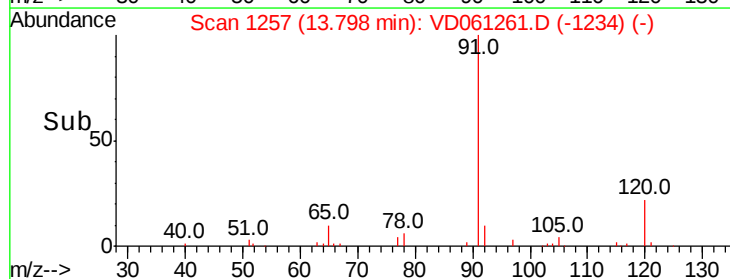
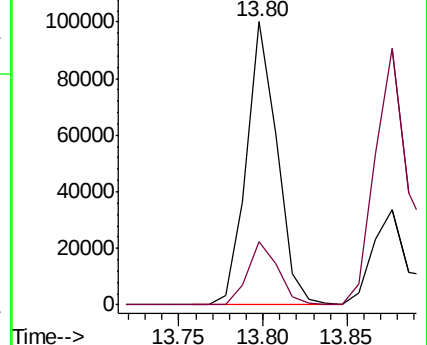
91 100

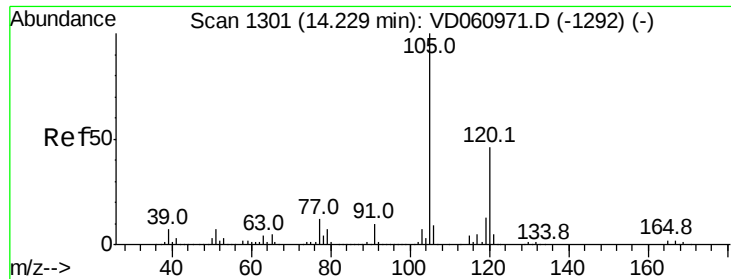
120 22.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

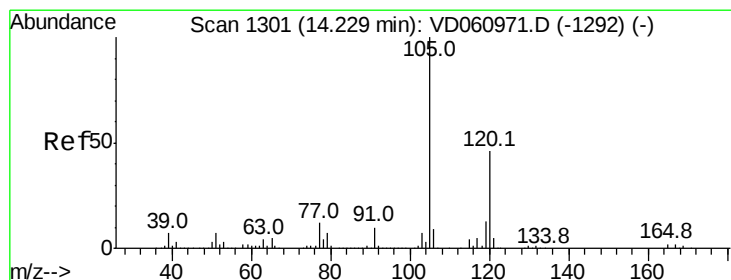
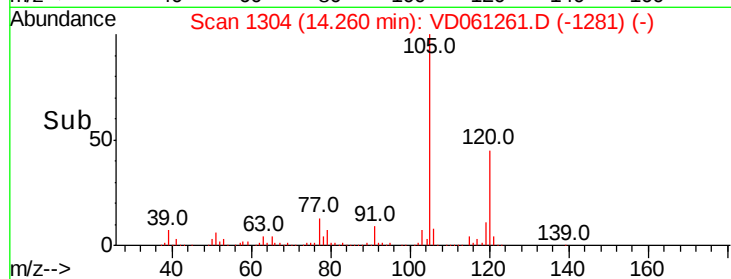
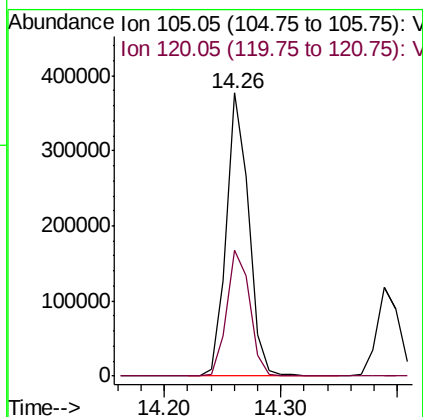
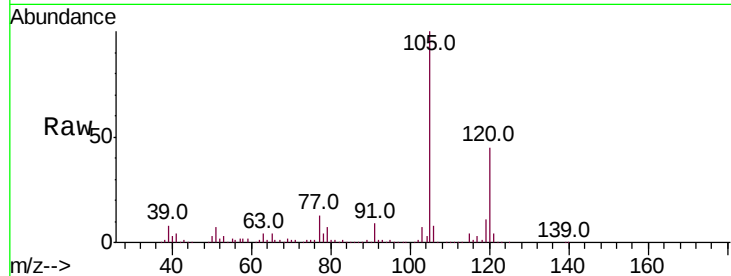




#80
 1,3,5-Trimethylbenzene
 Concen: 107.976 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.03 min
 Lab File: VD061261.D
 Acq: 22 Mar 2019 15:23

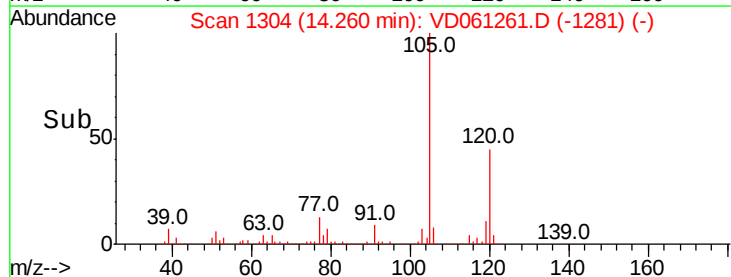
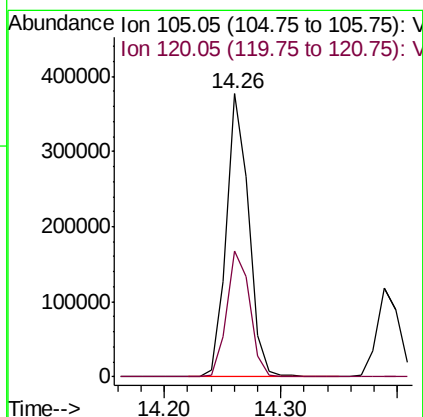
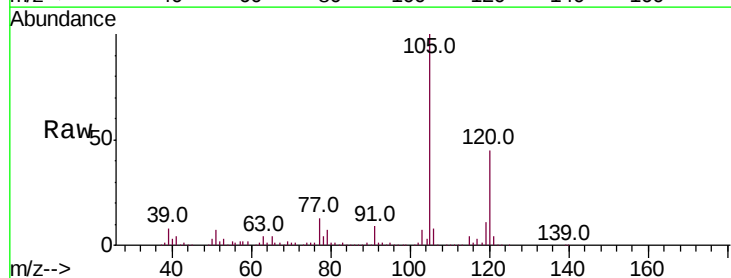
Instrument :
 MSVOA_D
 ClientSampleId :
 40021RE

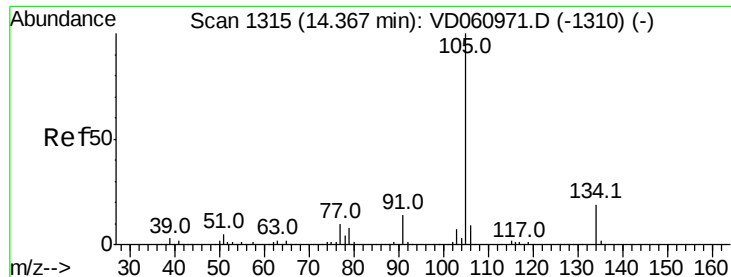
Tot Ion:105 Resp: 501316
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.9 68.5



#84
 1,2,4-Trimethylbenzene
 Concen: 107.976 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. 0.03 min
 Lab File: VD061261.D
 Acq: 22 Mar 2019 15:23

Tgt Ion:105 Resp: 501316
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.9 68.5





#85

sec-Butylbenzene

Concen: 25.320 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

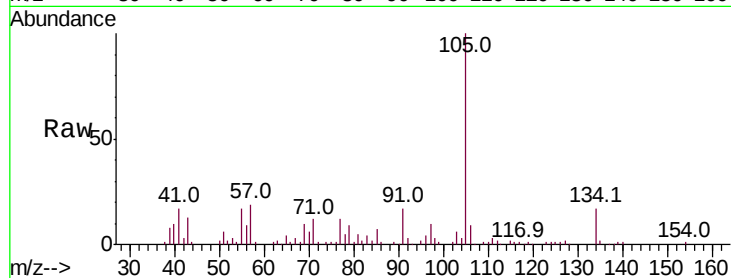
40021RE

Tot Ion:105 Resp: 157062

Ion Ratio Lower Upper

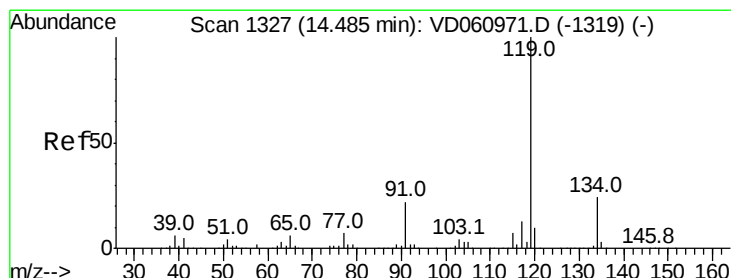
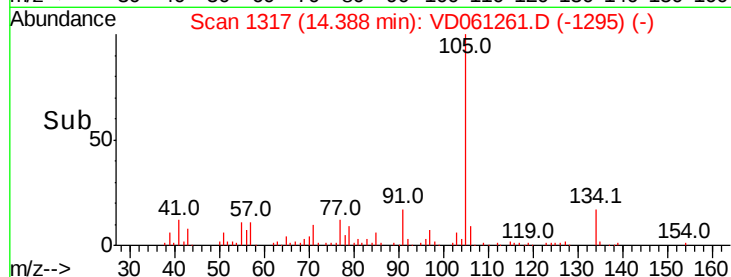
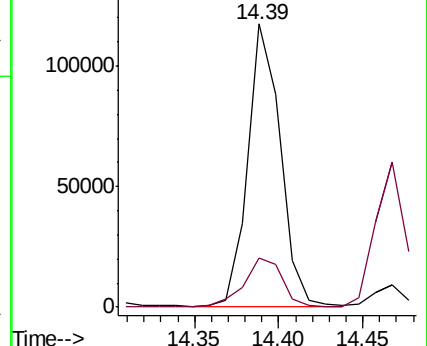
105 100

134 17.2 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 57.663 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. -0.02 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

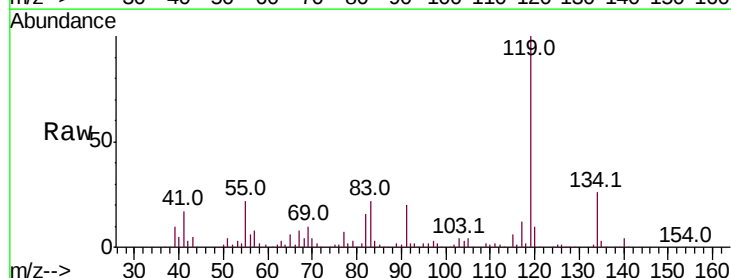
Tgt Ion:119 Resp: 292369

Ion Ratio Lower Upper

119 100

134 25.6 12.0 36.1

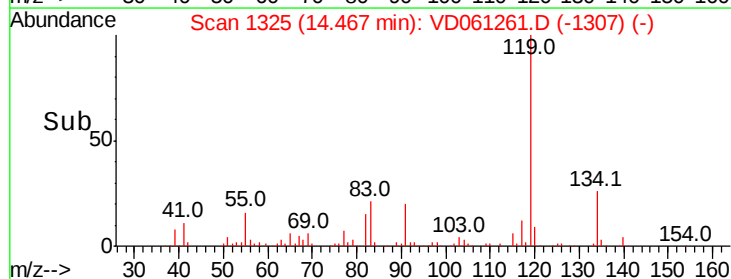
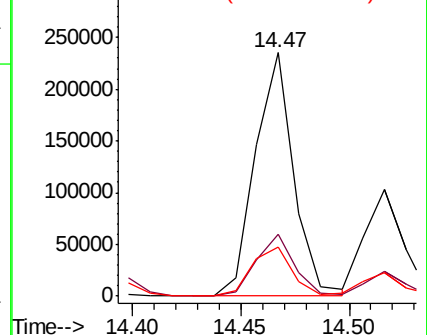
91 20.4 11.2 33.6

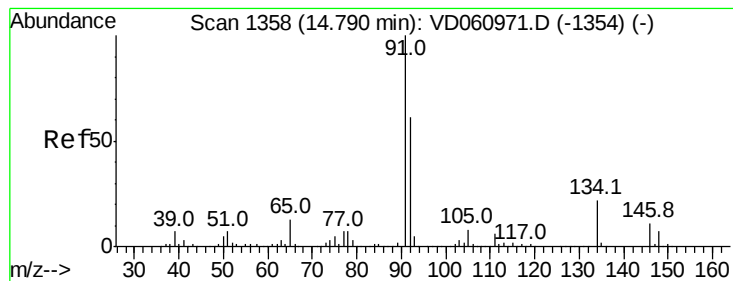


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 66.404 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD061261.D

Acq: 22 Mar 2019 15:23

Instrument :

MSVOA_D

ClientSampleId :

40021RE

Tot Ion: 91 Resp: 323328

Ion Ratio Lower Upper

91 100

92 58.1 30.6 91.8

134 35.7 11.0 33.0#

