

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061260.D
 Acq On : 22 Mar 2019 14:56
 Operator : VA/AP
 Sample : K2024-01
 Misc : 8.91g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RCA-08

Quant Time: Mar 23 00:28:51 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

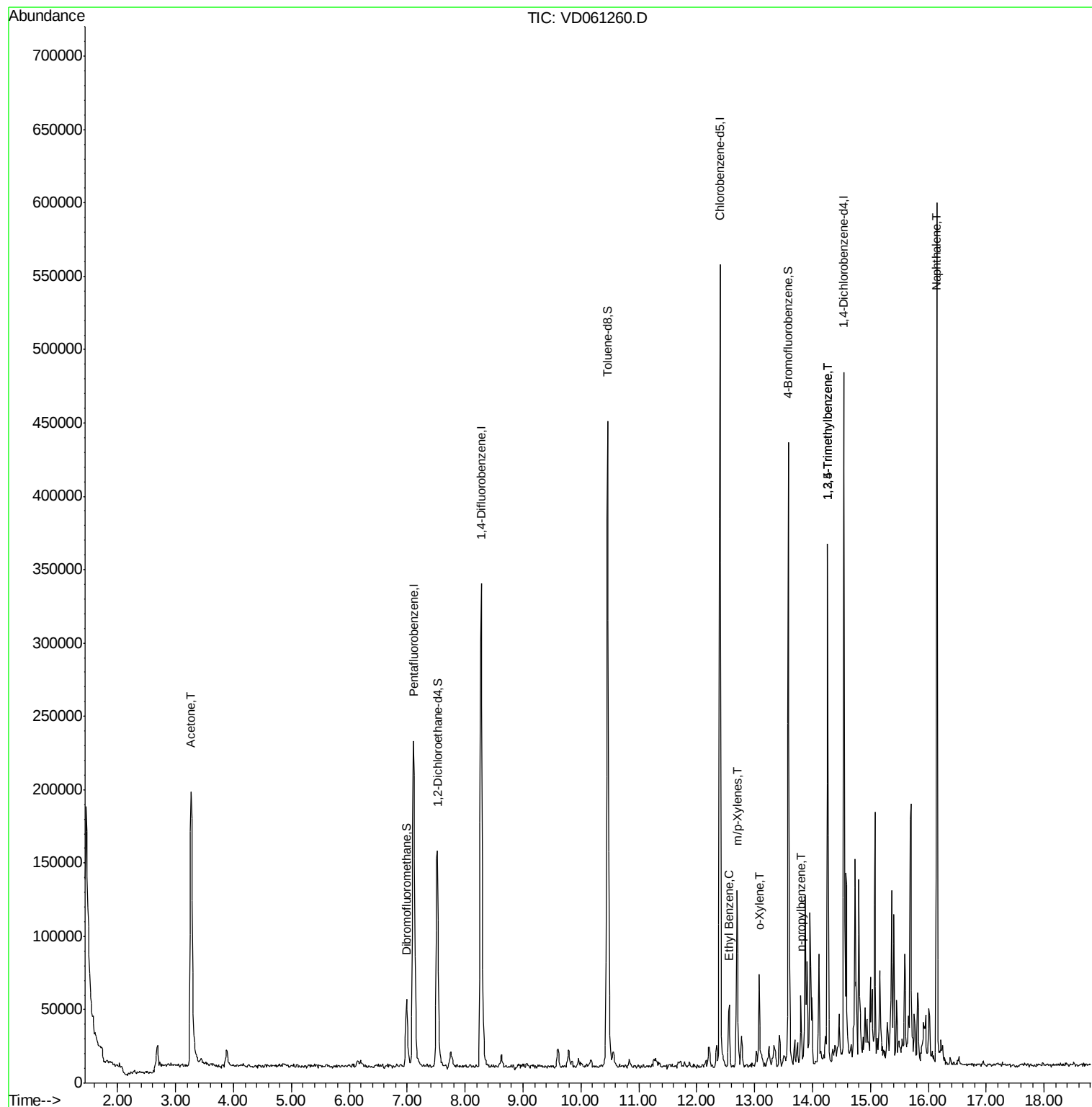
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	223098	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.28	114	405852	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	335575	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.55	152	113680	50.00	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.52	65	144074	77.58	ug/l	0.07
Spiked Amount 50.000			Recovery	=	155.16%	
35) Dibromofluoromethane	6.99	113	41755	13.86	ug/l	0.06
Spiked Amount 50.000			Recovery	=	27.72%	
50) Toluene-d8	10.46	98	375059	49.59	ug/l	0.06
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	13.58	95	127077	43.30	ug/l	0.03
Spiked Amount 50.000			Recovery	=	86.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.27	43	374004	704.292	ug/l	99
67) Ethyl Benzene	12.56	91	31691	3.236	ug/l	98
68) m/p-Xylenes	12.70	106	41589	10.819	ug/l	92
69) o-Xylene	13.08	106	17076	4.519	ug/l	94
78) n-propylbenzene	13.80	91	31741	3.309	ug/l	93
80) 1,3,5-Trimethylbenzene	14.26	105	157408	25.308	ug/l	100
84) 1,2,4-Trimethylbenzene	14.26	105	157408	25.308	ug/l	100
95) Naphthalene	16.14	128	404020	184.091	ug/l	99

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

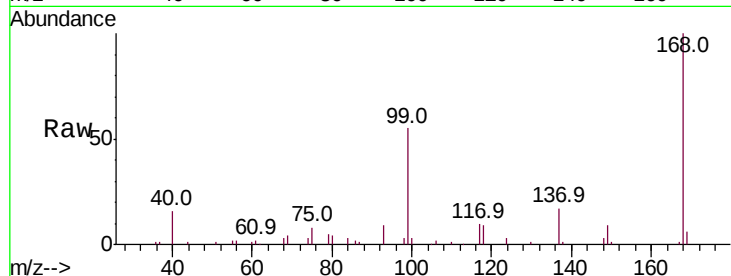
RCA-08

Tot Ion:168 Resp: 223098

Ion Ratio Lower Upper

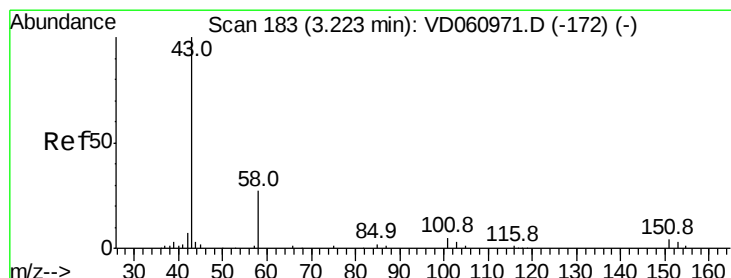
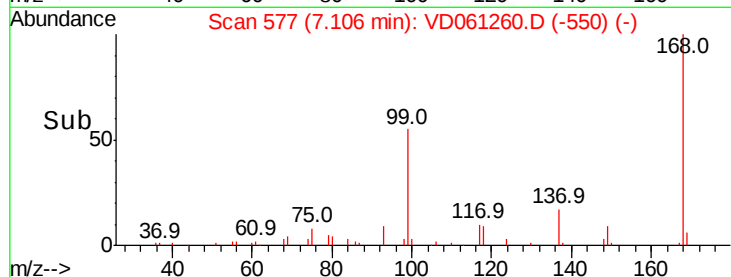
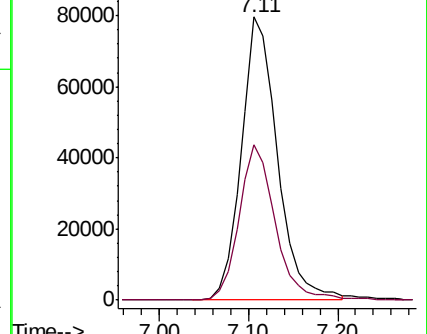
168 100

99 55.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 704.292 ug/l

RT: 3.27 min Scan# 187

Delta R.T. 0.04 min

Lab File: VD061260.D

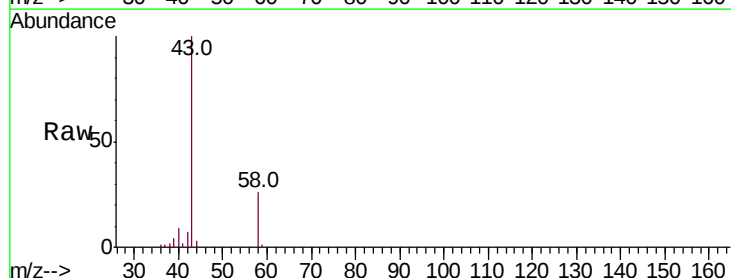
Acq: 22 Mar 2019 14:56

Tgt Ion: 43 Resp: 374004

Ion Ratio Lower Upper

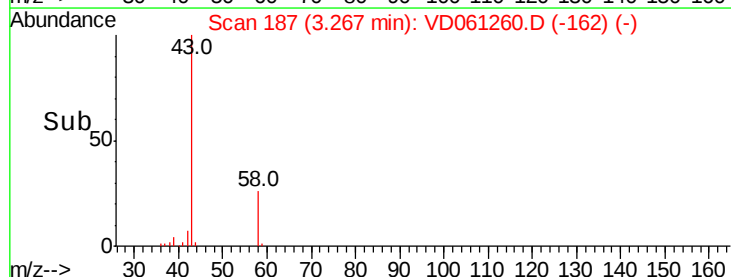
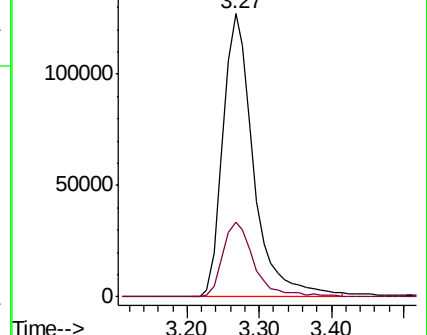
43 100

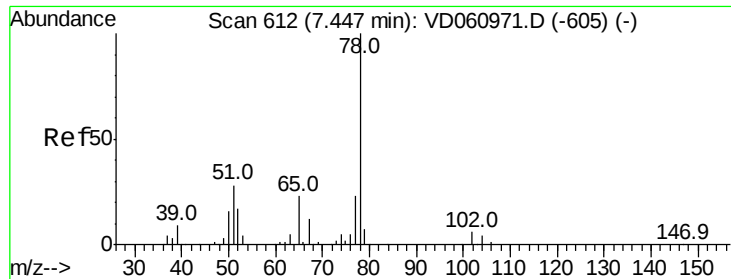
58 26.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.52 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

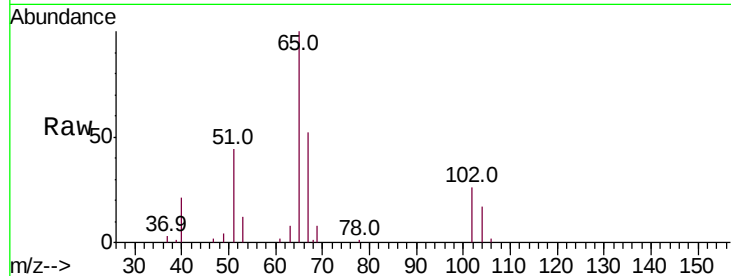
RCA-08

Tot Ion: 65 Resp: 144074

Ion Ratio Lower Upper

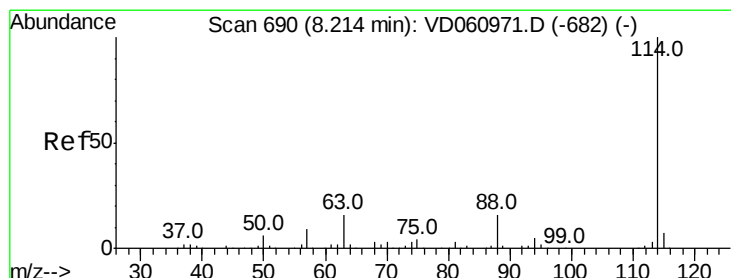
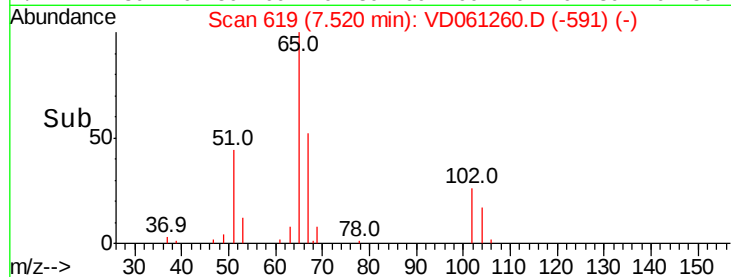
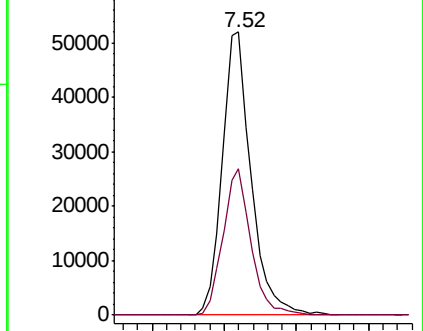
65 100

67 51.6 0.0 105.2



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: 8.28 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

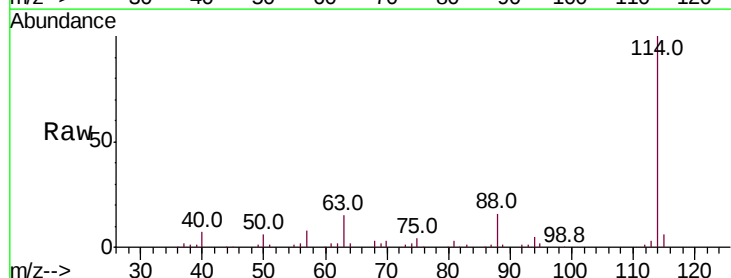
Tgt Ion:114 Resp: 405852

Ion Ratio Lower Upper

114 100

63 14.8 0.0 31.4

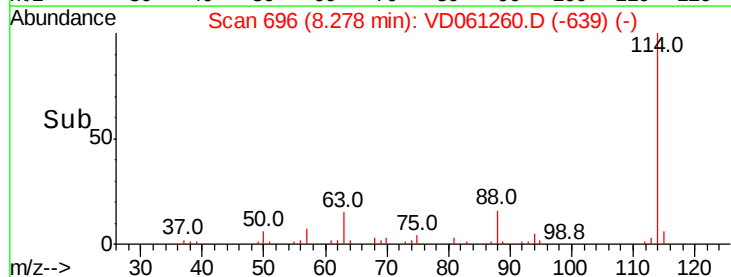
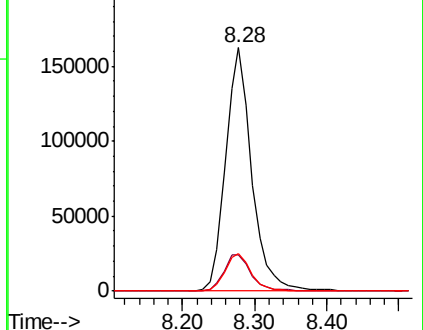
88 15.5 0.0 33.0

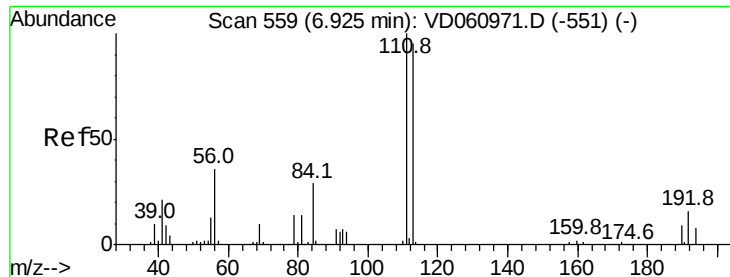


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

RCA-08

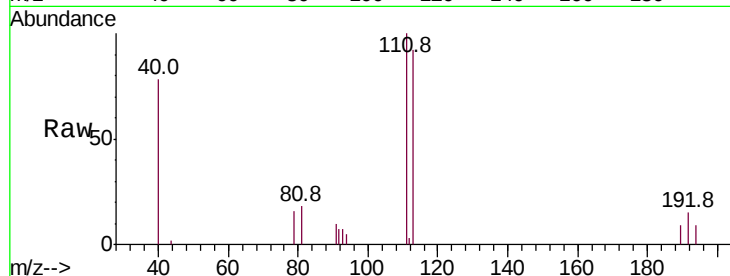
Tot Ion:113 Resp: 41755

Ion Ratio Lower Upper

113 100

111 108.7 84.2 126.4

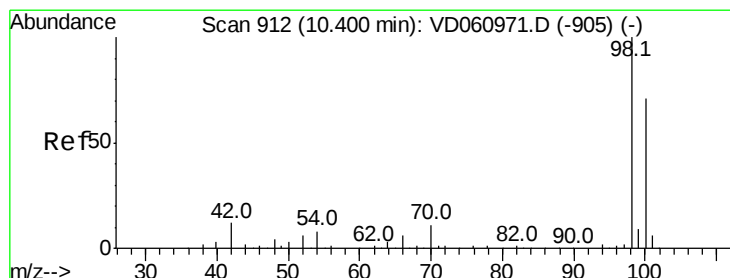
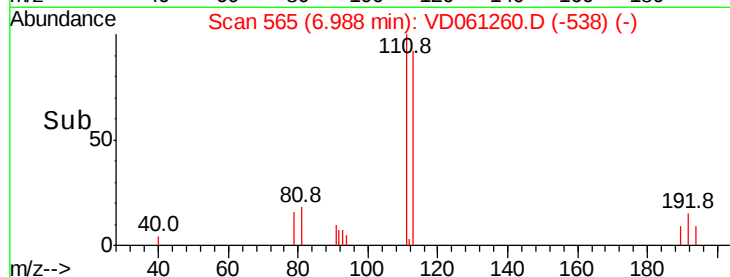
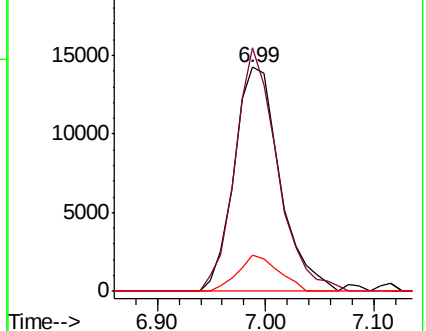
192 16.4 13.1 19.7



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: VD061260.D

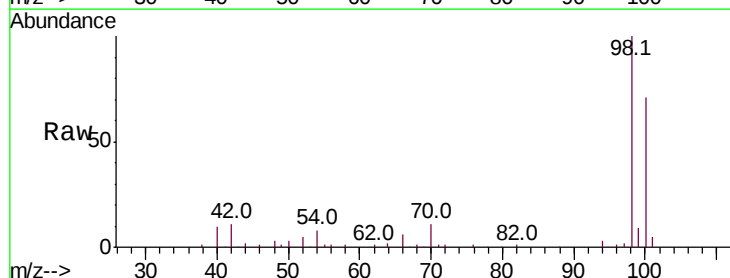
Acq: 22 Mar 2019 14:56

Tgt Ion: 98 Resp: 375059

Ion Ratio Lower Upper

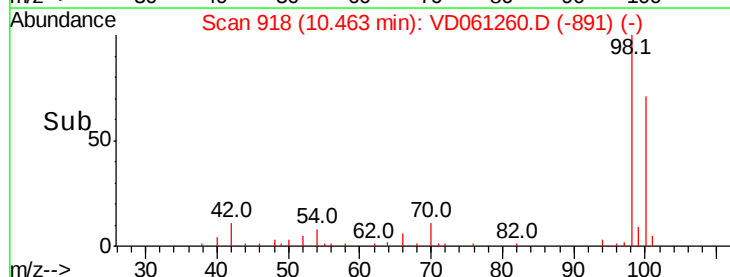
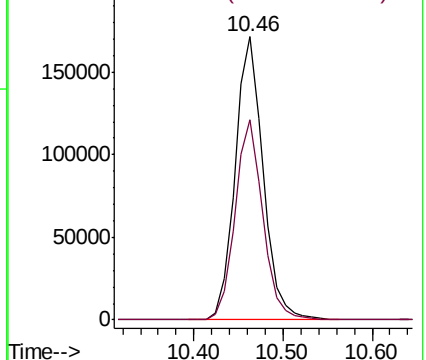
98 100

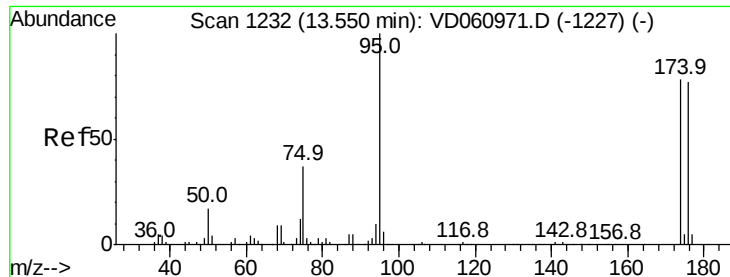
100 70.6 57.4 86.2



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: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

RCA-08

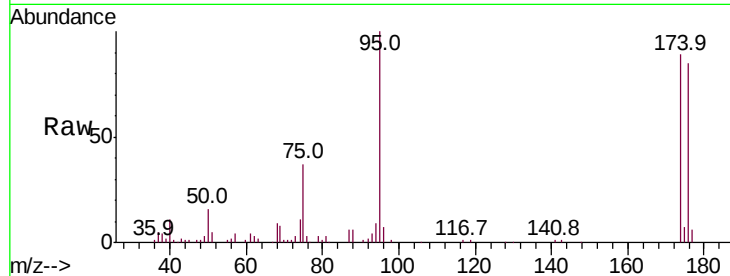
Tot Ion: 95 Resp: 127077

Ion Ratio Lower Upper

95 100

174 89.3 0.0 155.6

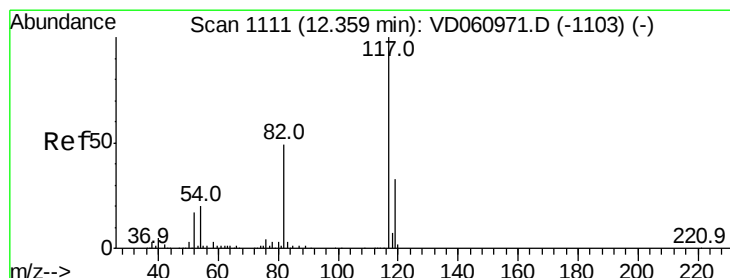
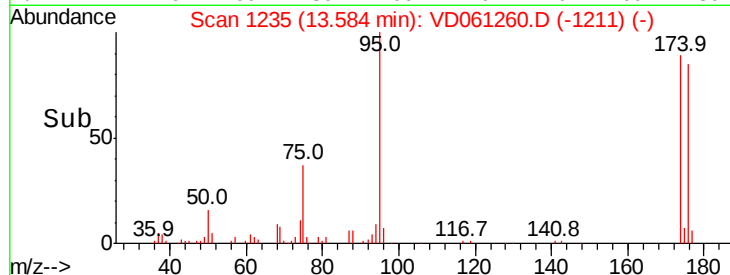
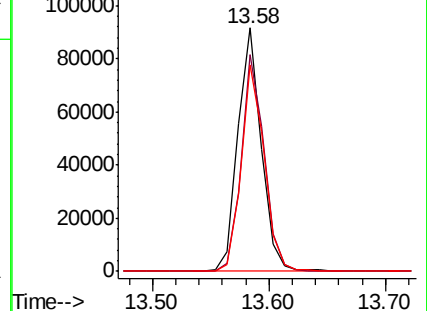
176 84.7 0.0 153.8



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: VD061260.D

Acq: 22 Mar 2019 14:56

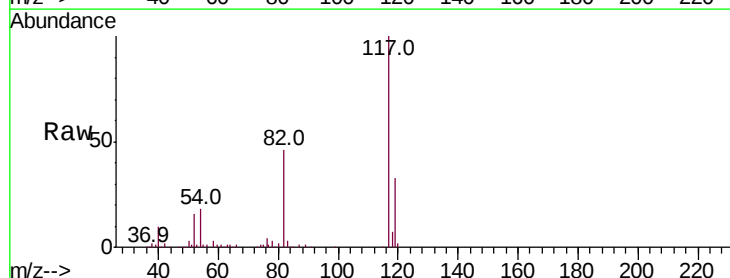
Tgt Ion: 117 Resp: 335575

Ion Ratio Lower Upper

117 100

82 45.7 38.9 58.3

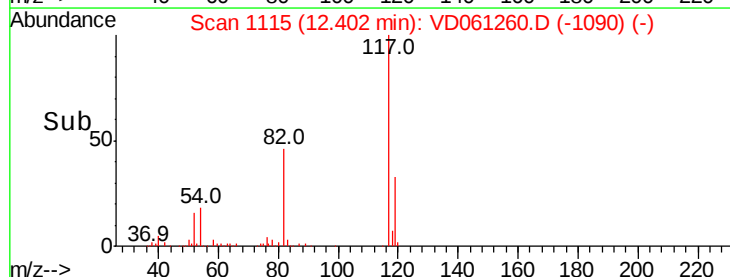
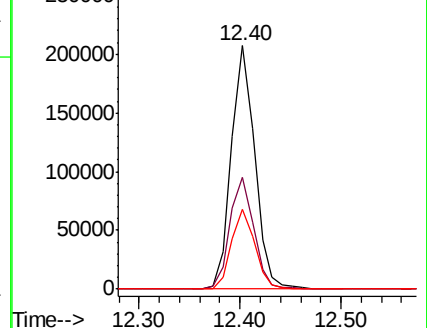
119 32.7 26.6 39.8

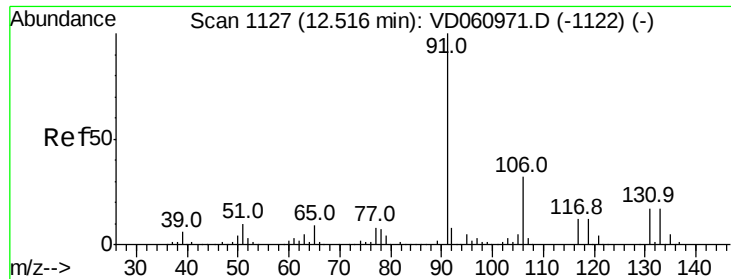


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#67

Ethyl Benzene

Concen: 3.236 ug/l

RT: 12.56 min Scan# 1131

Delta R.T. 0.04 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampleId :

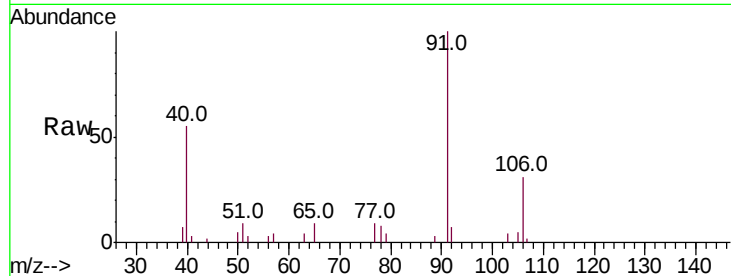
RCA-08

Tot Ion: 91 Resp: 31691

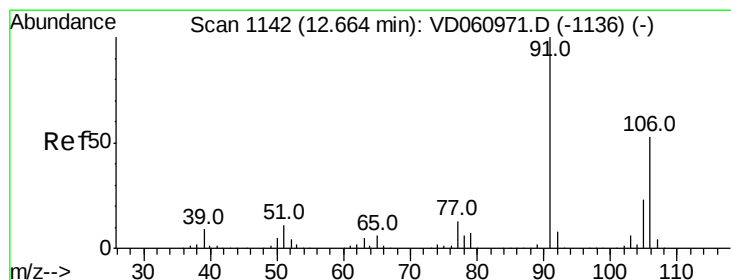
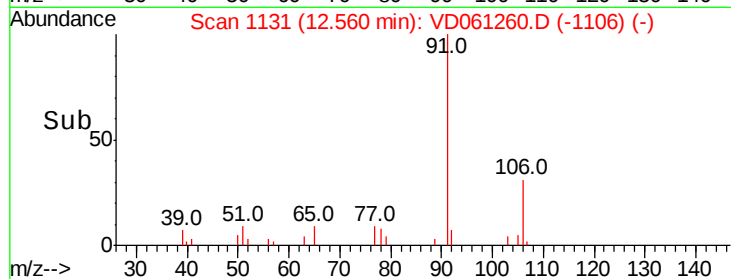
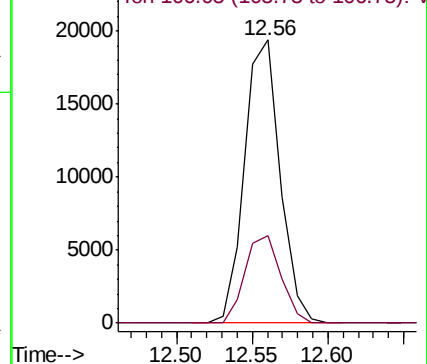
Ion Ratio Lower Upper

91 100

106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 10.819 ug/l

RT: 12.70 min Scan# 1145

Delta R.T. 0.03 min

Lab File: VD061260.D

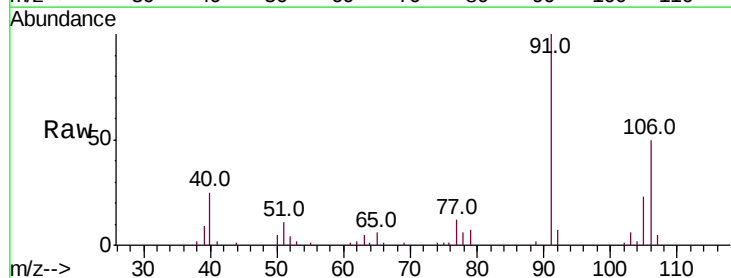
Acq: 22 Mar 2019 14:56

Tgt Ion: 106 Resp: 41589

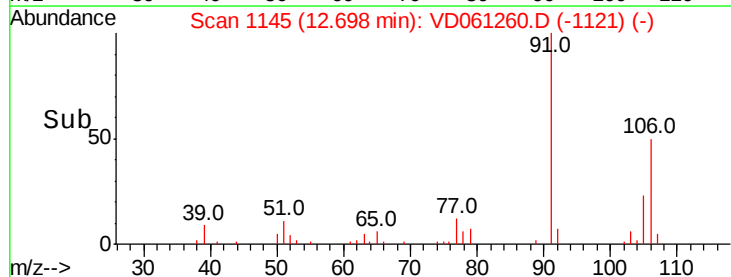
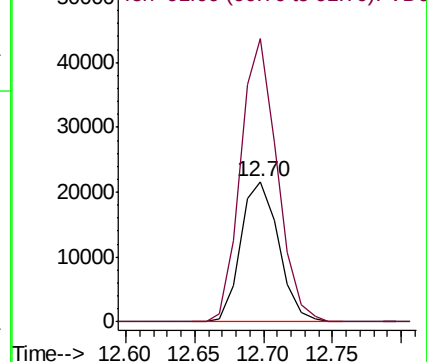
Ion Ratio Lower Upper

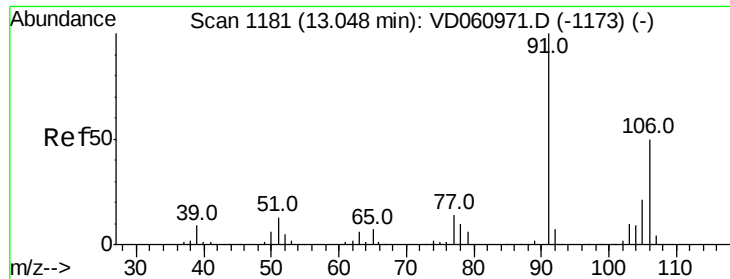
106 100

91 201.3 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

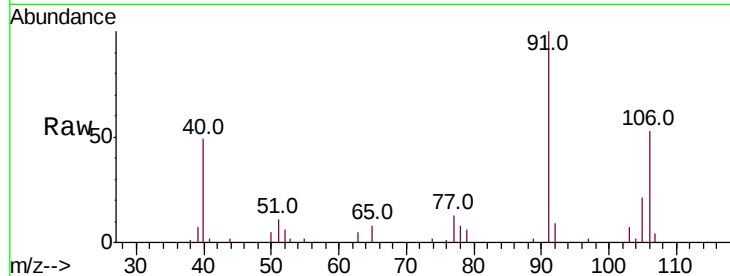




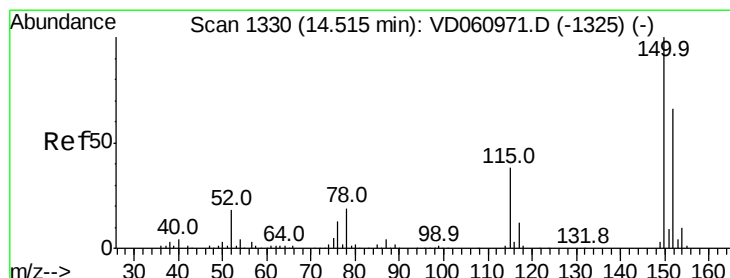
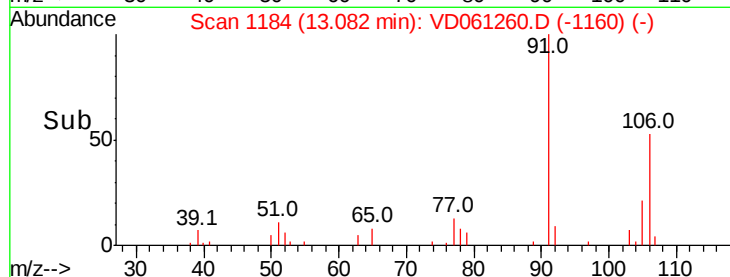
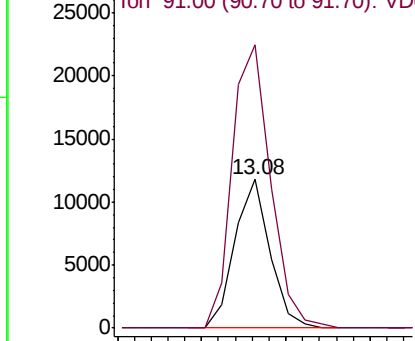
#69
o-Xylene
Concen: 4.519 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VD061260.D
Acq: 22 Mar 2019 14:56

Instrument :
MSVOA_D
ClientSampleID :
RCA-08

Tot Ion:106 Resp: 17076
Ion Ratio Lower Upper
106 100
91 190.4 99.8 299.3

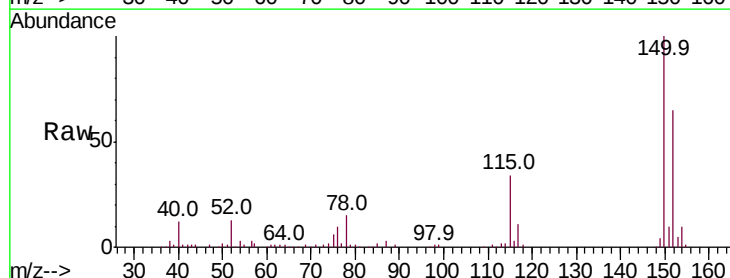


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

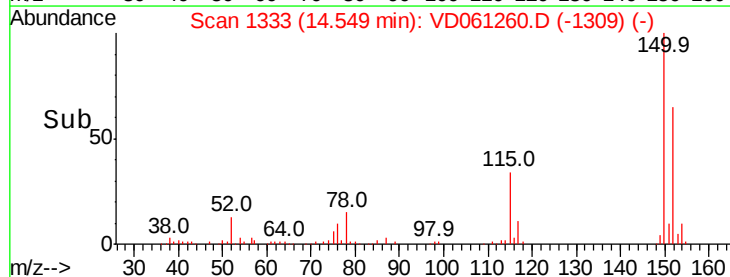
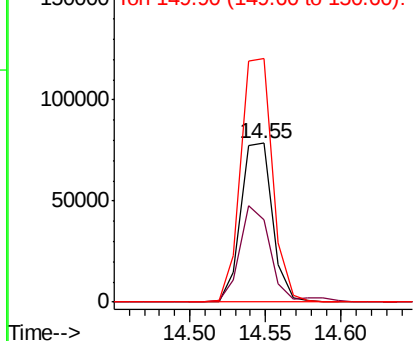


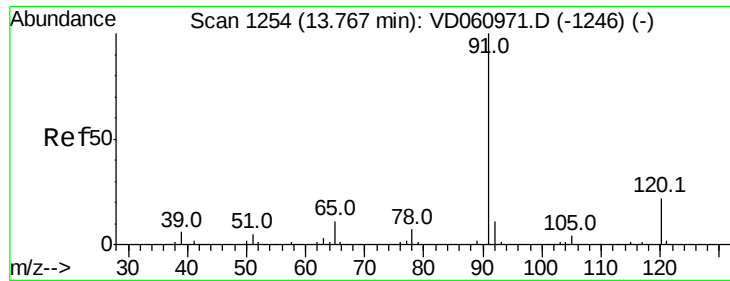
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.55 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD061260.D
Acq: 22 Mar 2019 14:56

Tgt Ion:152 Resp: 113680
Ion Ratio Lower Upper
152 100
115 52.0 28.6 85.9
150 153.3 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





#78

n-propylbenzene

Concen: 3.309 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD061260.D

Acq: 22 Mar 2019 14:56

Instrument :

MSVOA_D

ClientSampled :

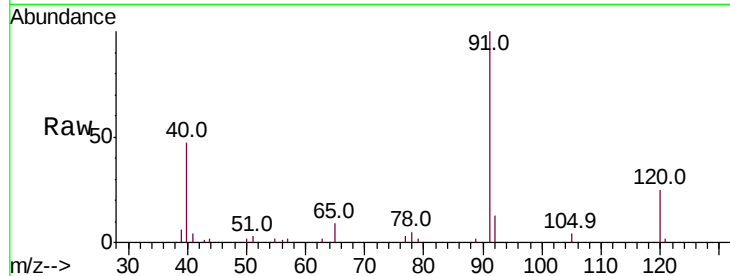
RCA-08

Tot Ion: 91 Resp: 31741

Ion Ratio Lower Upper

91 100

120 24.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.80

25000

20000

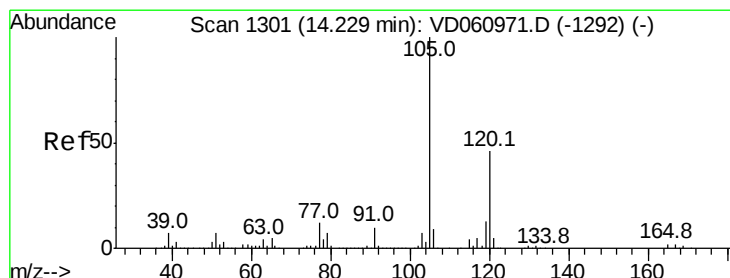
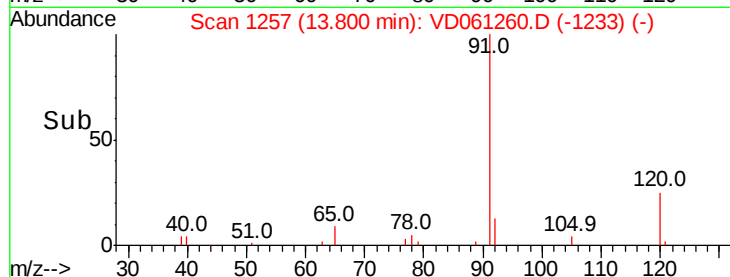
15000

10000

5000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 25.308 ug/l

RT: 14.26 min Scan# 1304

Delta R.T. 0.03 min

Lab File: VD061260.D

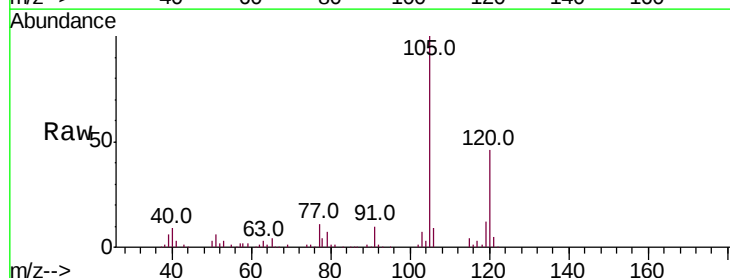
Acq: 22 Mar 2019 14:56

Tgt Ion:105 Resp: 157408

Ion Ratio Lower Upper

105 100

120 45.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

14.26

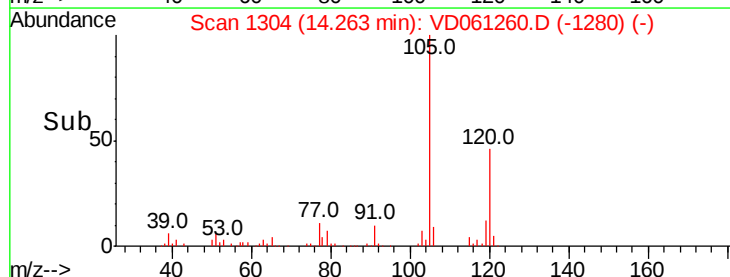
150000

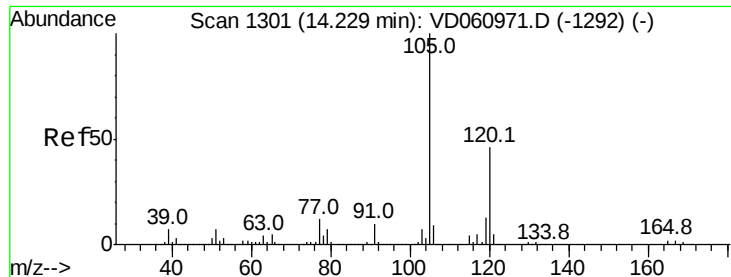
100000

50000

0

Time-->

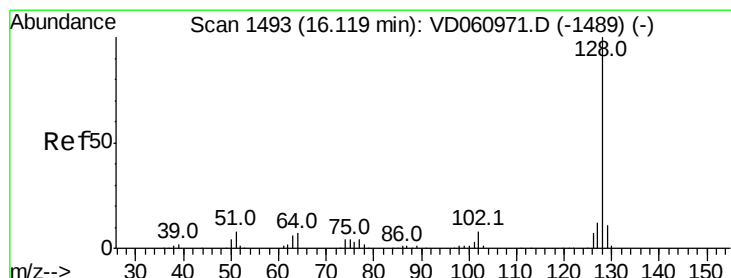
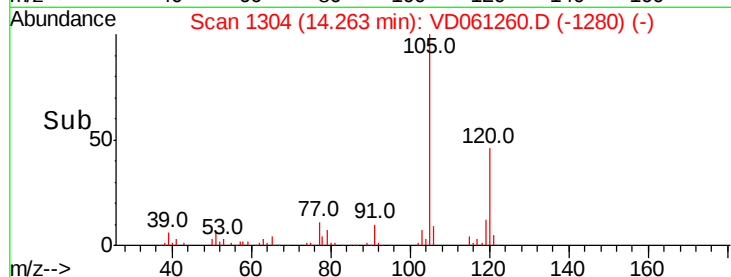
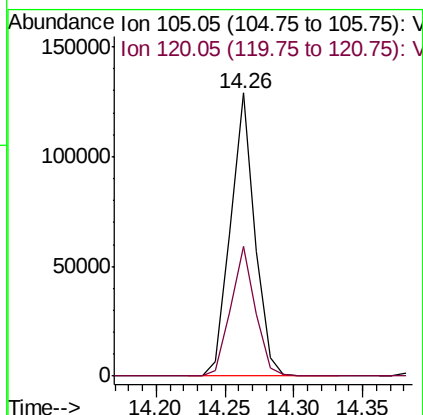
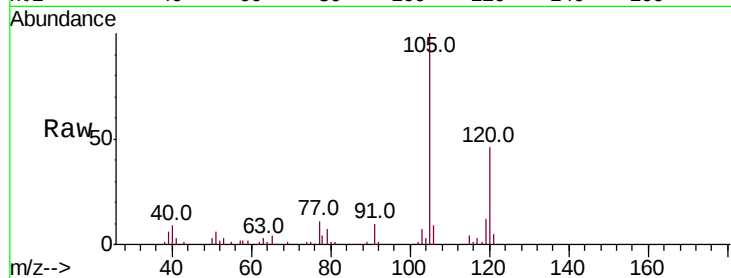




#84
1,2,4-Trimethylbenzene
Concen: 25.308 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.03 min
Lab File: VD061260.D
Acq: 22 Mar 2019 14:56

Instrument :
MSVOA_D
ClientSampleID :
RCA-08

Tot Ion:105 Resp: 157408
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.5



#95
Naphthalene
Concen: 184.091 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061260.D
Acq: 22 Mar 2019 14:56

Tgt Ion:128 Resp: 404020
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 11.2 8.5 12.7

