

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061609.D
 Acq On : 5 Apr 2019 7:32
 Operator : VA/AP
 Sample : K2193-03
 Misc : 4.56g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-B

Quant Time: Apr 05 09:53:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	402701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	665125	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	453794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	218779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	154355	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	
35) Dibromofluoromethane	6.90	113	231647	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
50) Toluene-d8	10.38	98	353456	28.99	ug/l	0.00
Spiked Amount			Recovery	=	57.98%	
62) 4-Bromofluorobenzene	13.54	95	183192	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

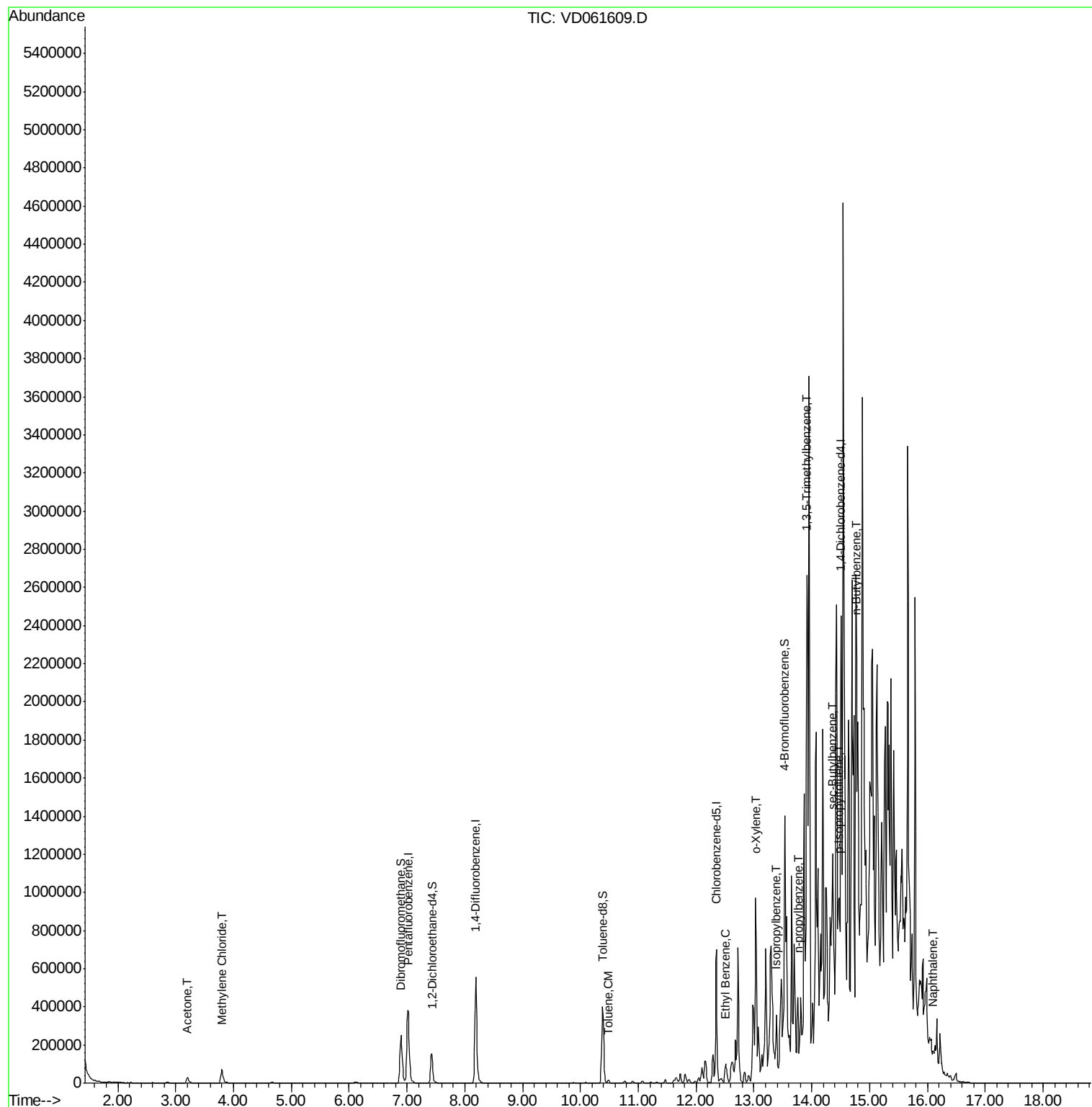
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	63237	71.509	ug/l	96
20) Methylene Chloride	3.80	84	57262	10.024	ug/l	97
52) Toluene	10.48	92	9601	1.080	ug/l	85
67) Ethyl Benzene	12.51	91	55855	3.946	ug/l	100
69) o-Xylene	13.03	106	222226	42.706	ug/l	94
73) Isopropylbenzene	13.38	105	66330	4.356	ug/l	99
78) n-propylbenzene	13.76	91	210934	11.320	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	951745	80.559	ug/l	99
85) sec-Butylbenzene	14.36	105	135839	8.660	ug/l	96
86) p-Isopropyltoluene	14.48	119	208185	15.696	ug/l	97
89) n-Butylbenzene	14.78	91	356804	29.310	ug/l #	82
95) Naphthalene	16.11	128	12395	2.847	ug/l #	94

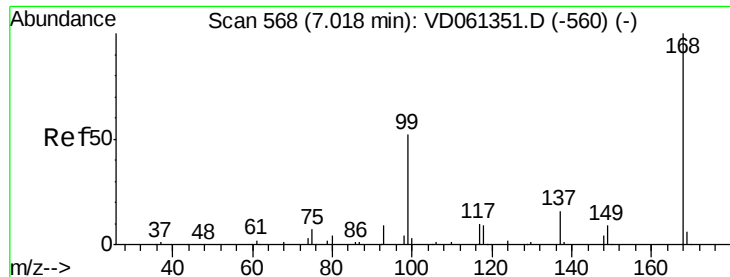
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

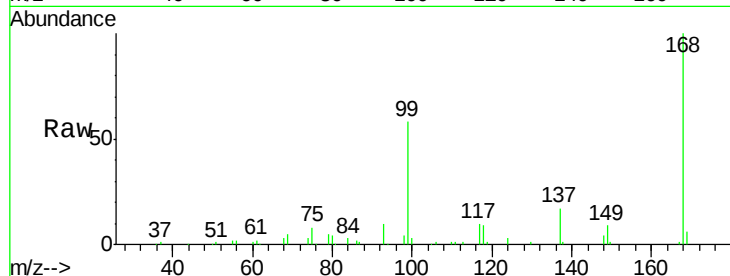
HR-06-040319-B

Tot Ion:168 Resp: 402701

Ion Ratio Lower Upper

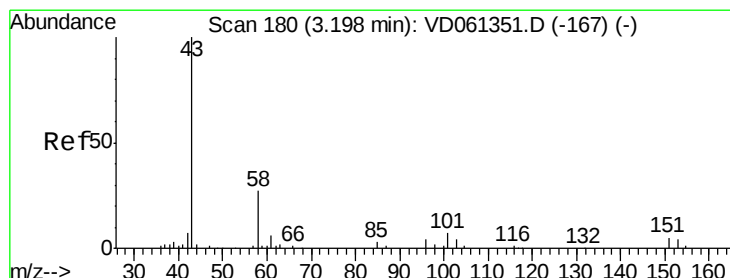
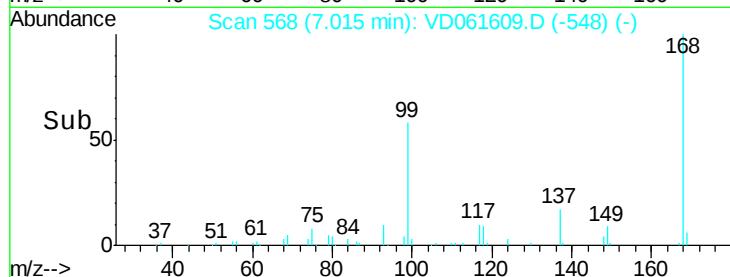
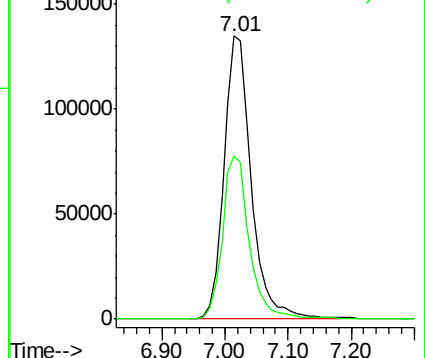
168 100

99 57.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 71.509 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061609.D

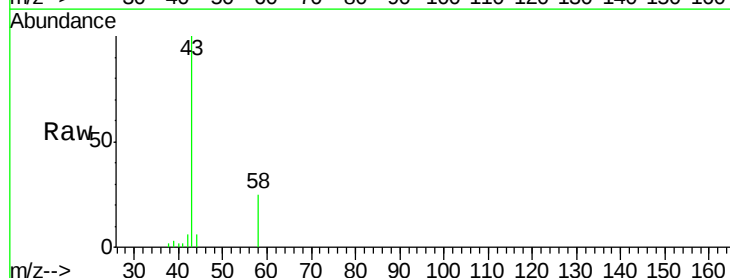
Acq: 5 Apr 2019 7:32

Tgt Ion: 43 Resp: 63237

Ion Ratio Lower Upper

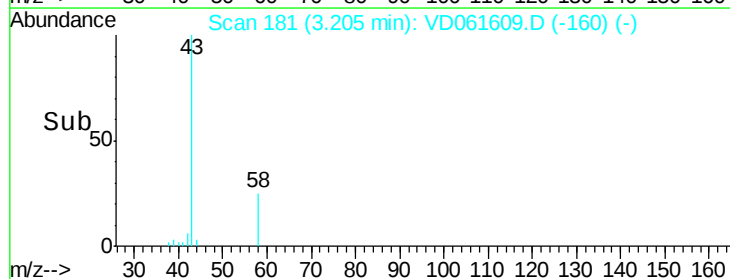
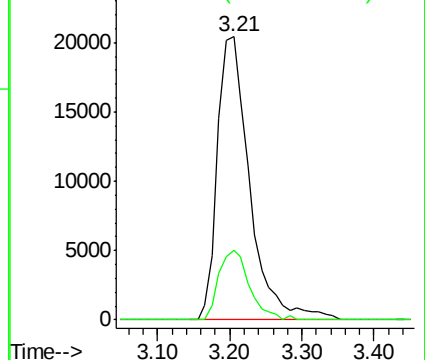
43 100

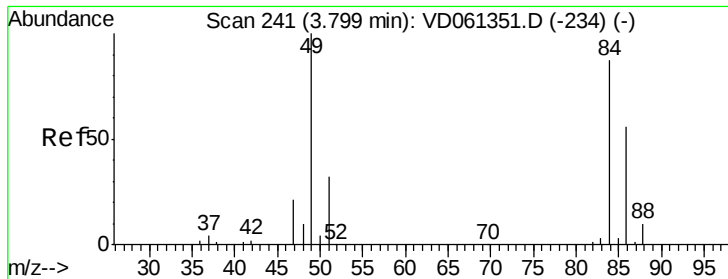
58 24.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



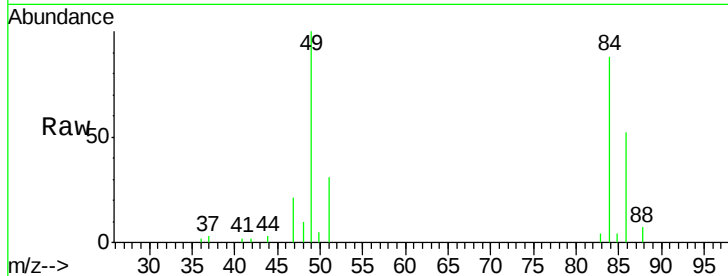


#20
Methylene Chloride
Concen: 10.024 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

Instrument :
MSVOA_D
ClientSampleId :
HR-06-040319-B

Tot Ion: 84 Resp: 57262

Ion	Ratio	Lower	Upper
84	100		
49	114.1	91.8	137.8
51	35.2	29.8	44.8
86	59.2	51.8	77.6

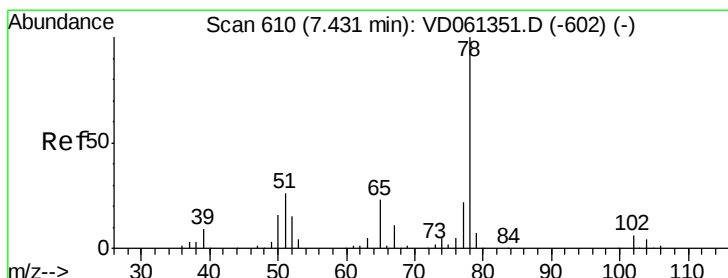
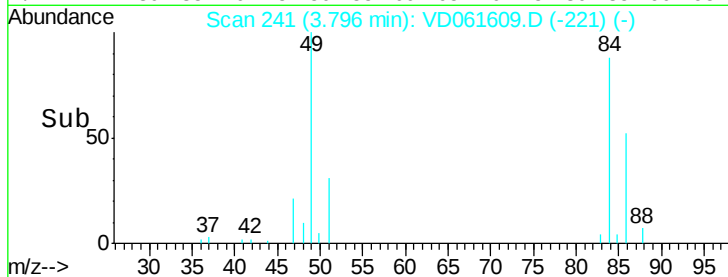
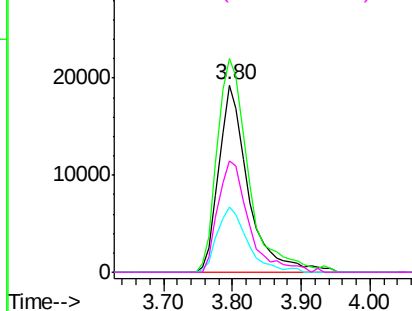


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

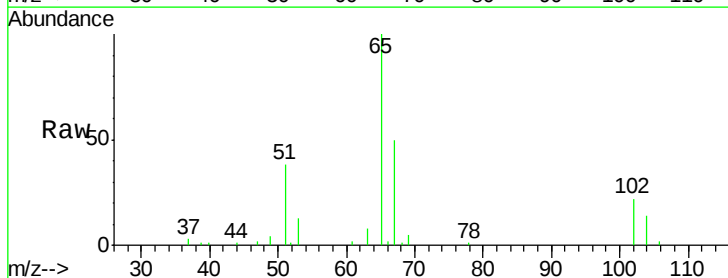
Ion 85.90 (85.60 to 86.60): VDC



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

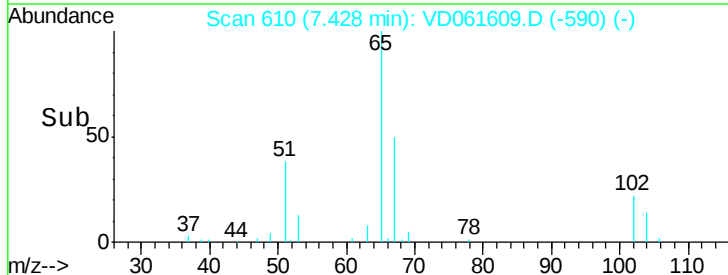
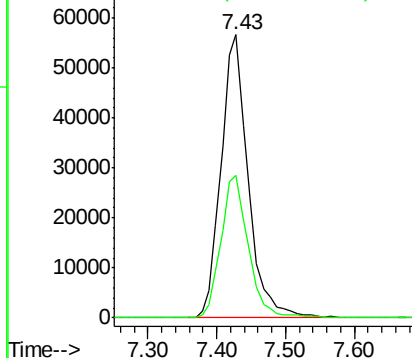
Tgt Ion: 65 Resp: 154355

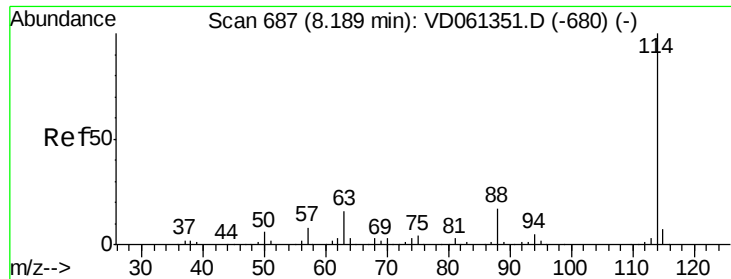
Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	99.8



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: 8.19 min Scan# 687

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-B

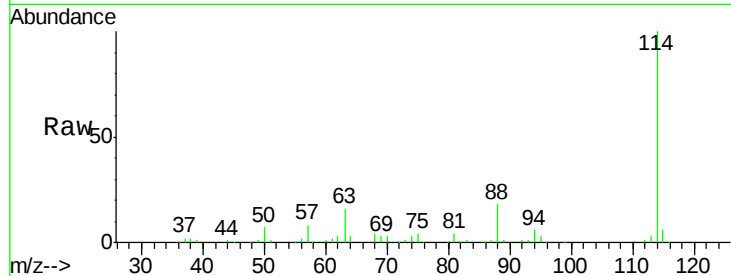
Tot Ion:114 Resp: 665125

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.6

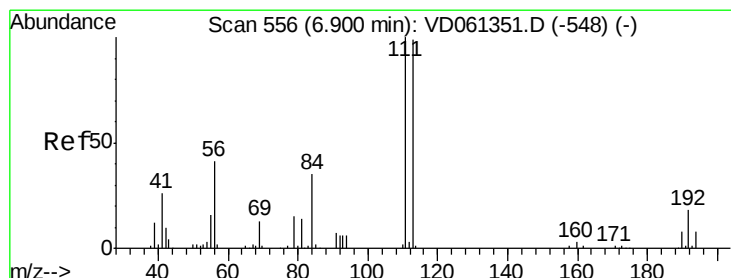
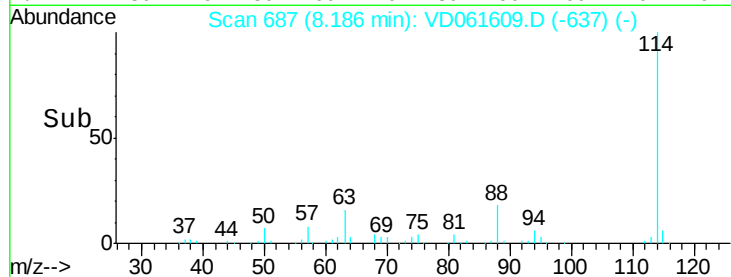
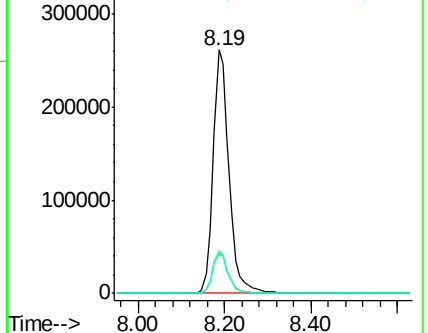
88 17.5 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

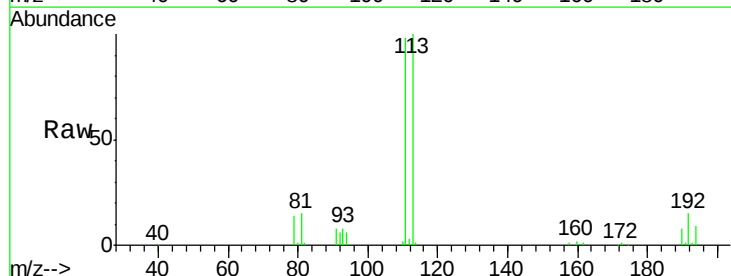
Tgt Ion:113 Resp: 231647

Ion Ratio Lower Upper

113 100

111 98.0 81.0 121.6

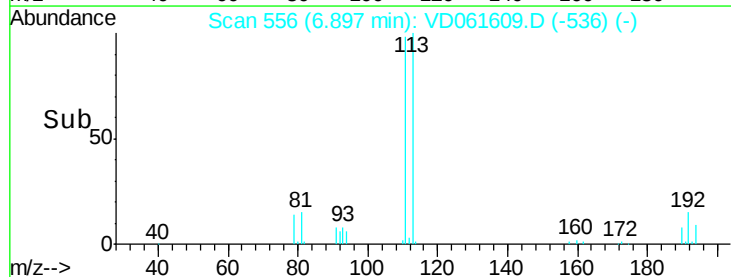
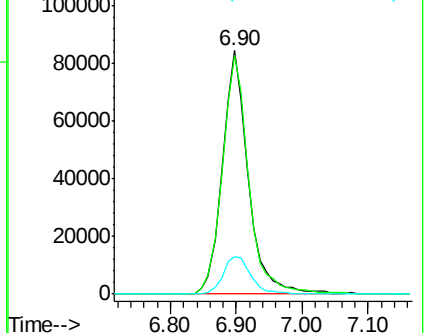
192 15.2 14.4 21.6

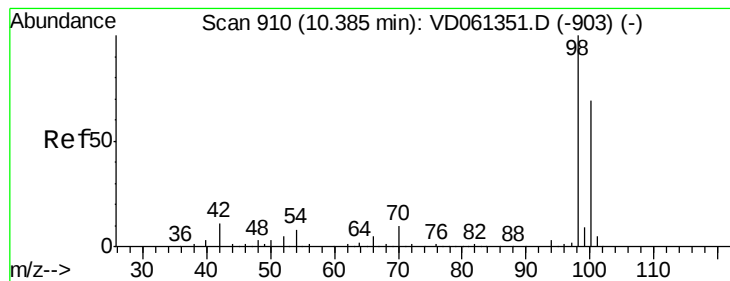


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

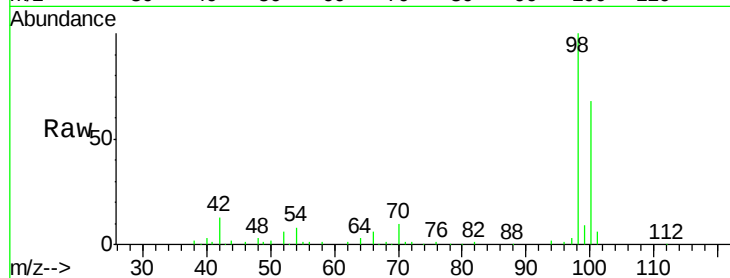
HR-06-040319-B

Tot Ion: 98 Resp: 353456

Ion Ratio Lower Upper

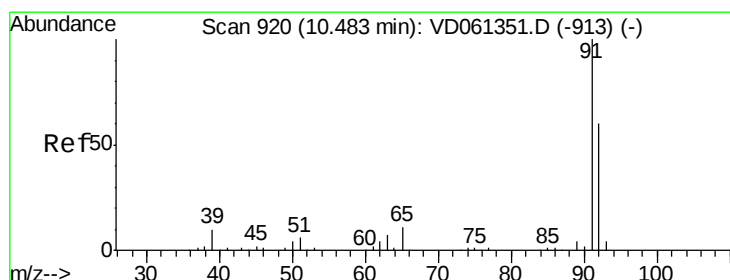
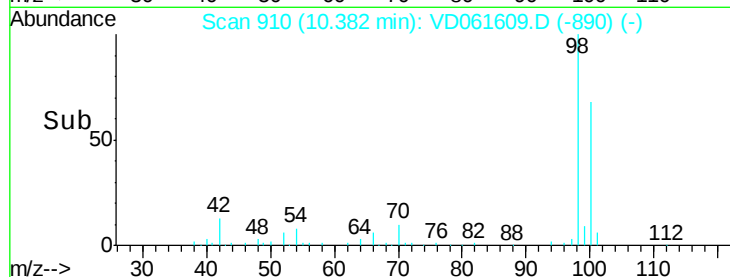
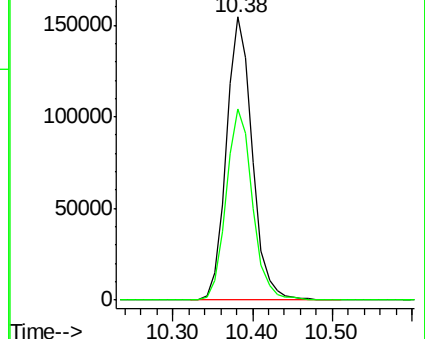
98 100

100 67.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#52

Toluene

Concen: 1.080 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD061609.D

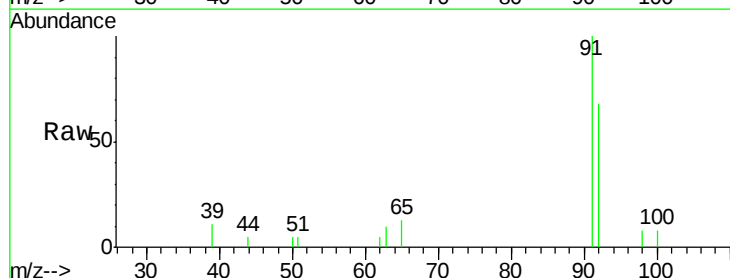
Acq: 5 Apr 2019 7:32

Tgt Ion: 92 Resp: 9601

Ion Ratio Lower Upper

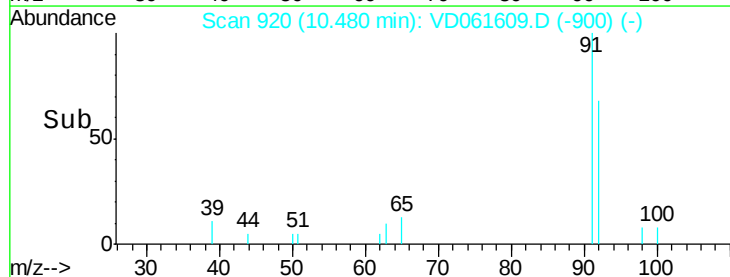
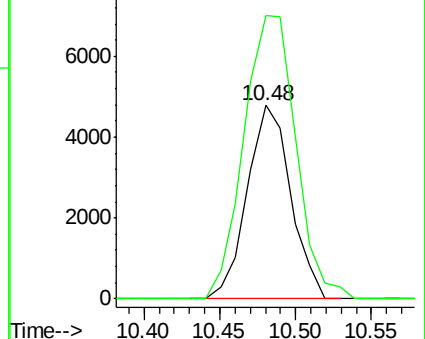
92 100

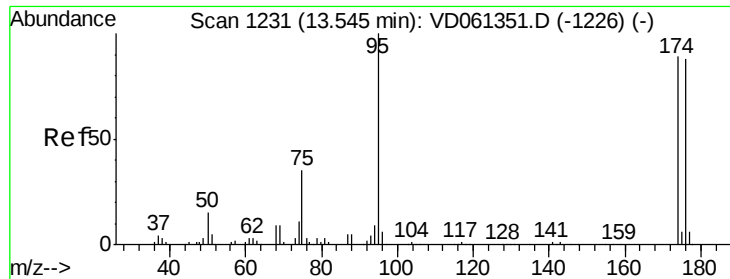
91 146.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

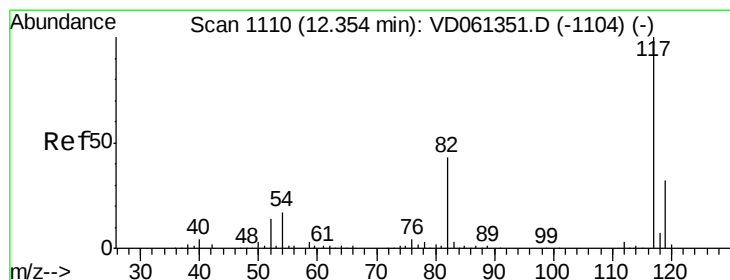
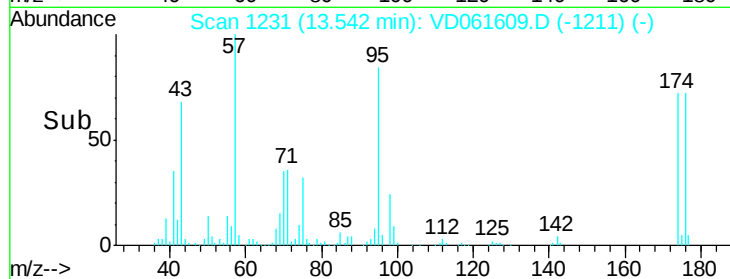
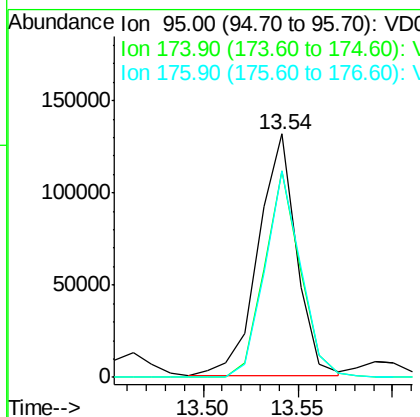
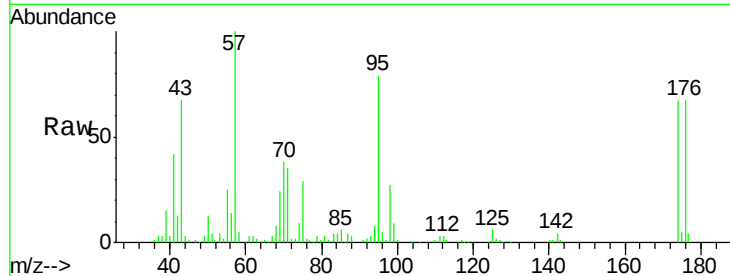




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

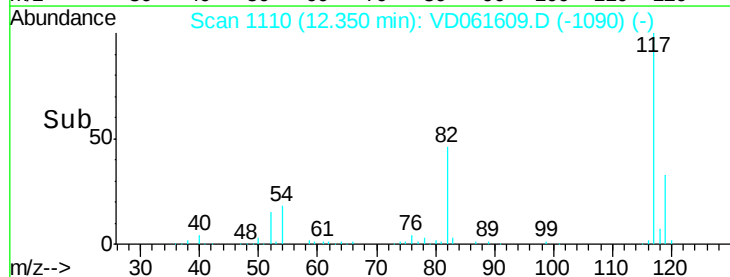
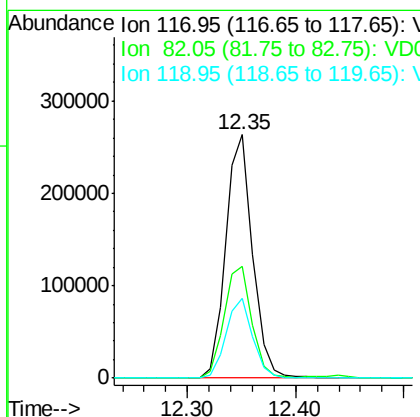
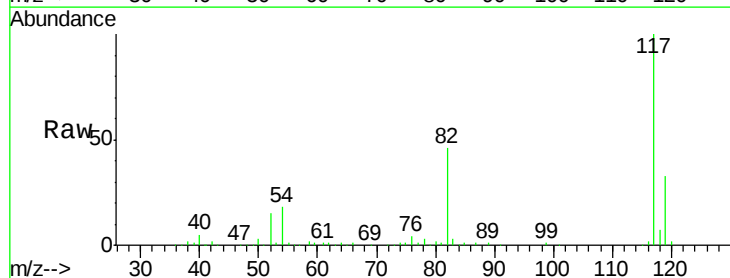
Instrument :
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HR-06-040319-B

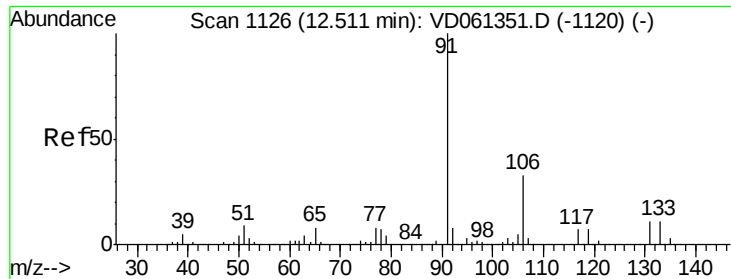
Tot Ion: 95 Resp: 183192
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.0
176 85.0 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

Tgt Ion: 117 Resp: 453794
Ion Ratio Lower Upper
117 100
82 45.8 34.4 51.6
119 32.7 25.8 38.6

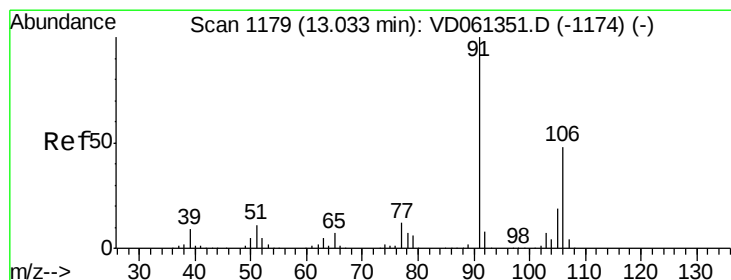
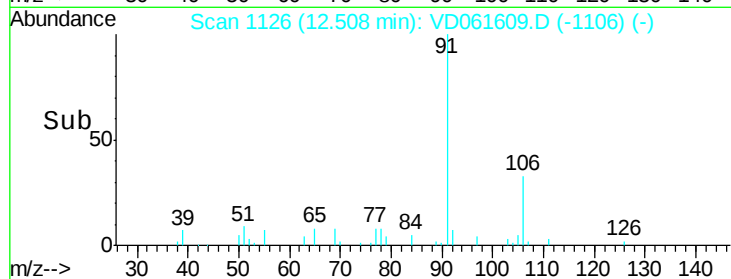
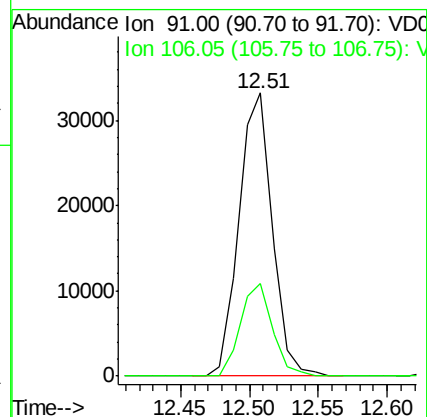
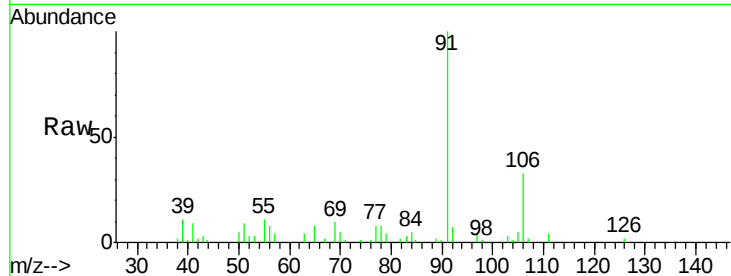




#67
Ethyl Benzene
Concen: 3.946 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

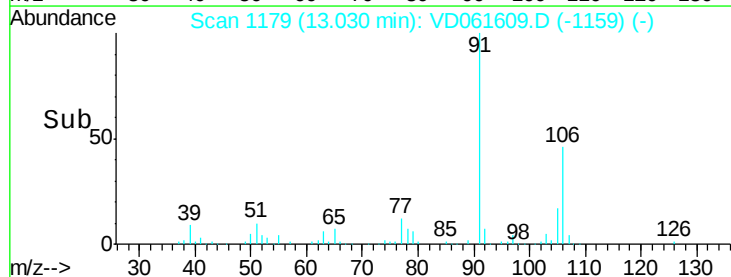
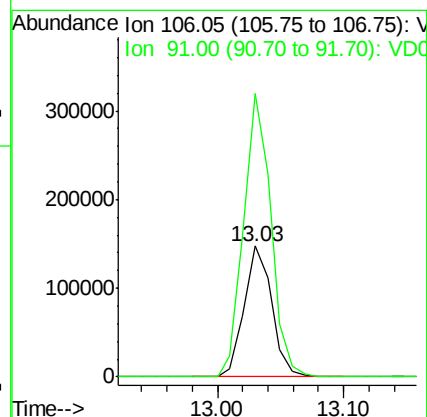
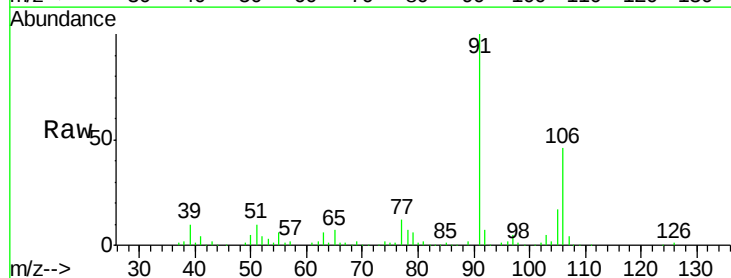
Instrument :
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HR-06-040319-B

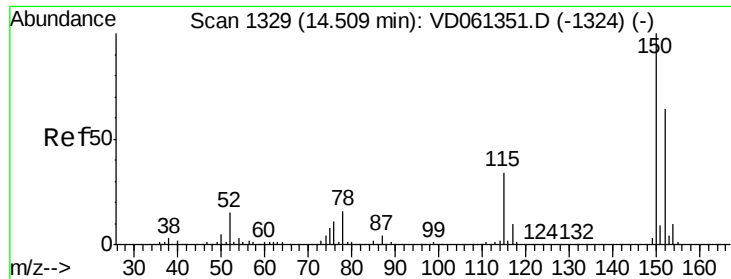
Tot Ion: 91 Resp: 55855
Ion Ratio Lower Upper
91 100
106 32.8 26.1 39.1



#69
o-Xylene
Concen: 42.706 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VD061609.D
Acq: 5 Apr 2019 7:32

Tgt Ion: 106 Resp: 222226
Ion Ratio Lower Upper
106 100
91 216.9 103.8 311.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-B

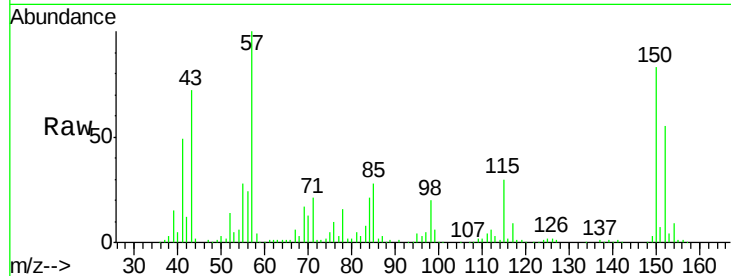
Tot Ion:152 Resp: 218779

Ion Ratio Lower Upper

152 100

115 53.9 26.9 80.6

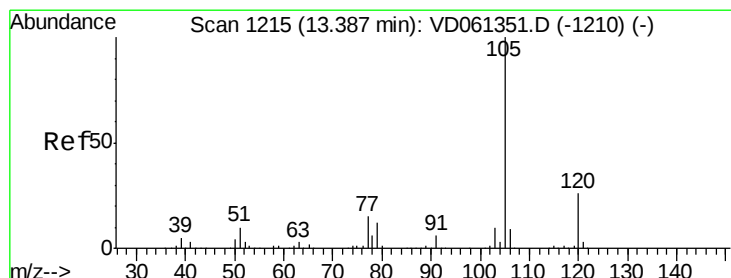
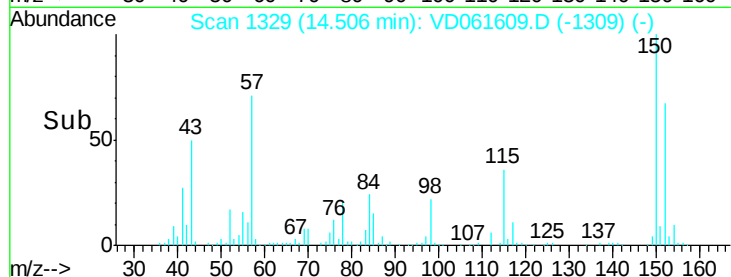
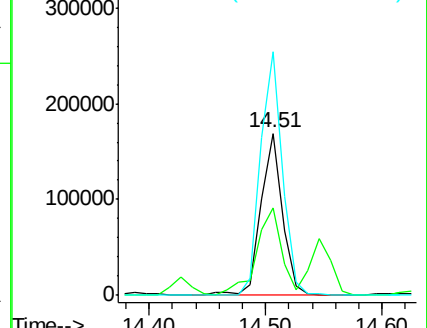
150 150.1 0.0 318.0



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: 4.356 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061609.D

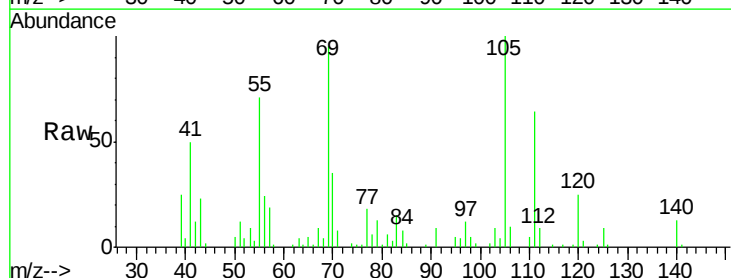
Acq: 5 Apr 2019 7:32

Tgt Ion:105 Resp: 66330

Ion Ratio Lower Upper

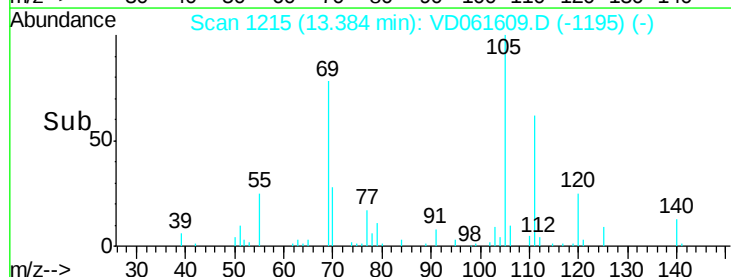
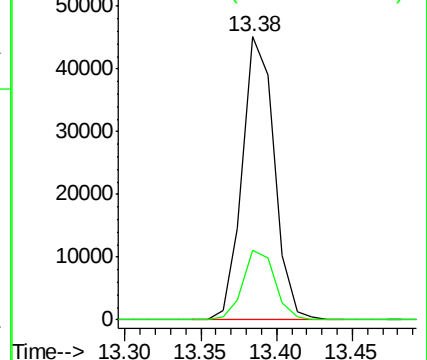
105 100

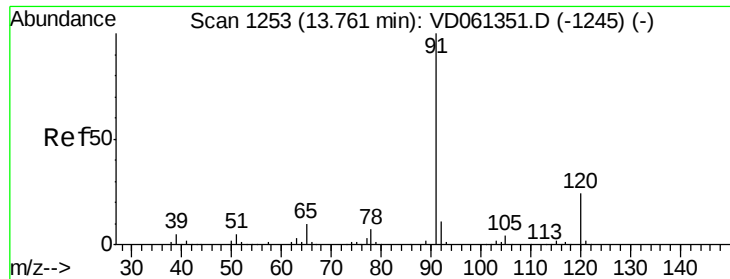
120 24.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 11.320 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

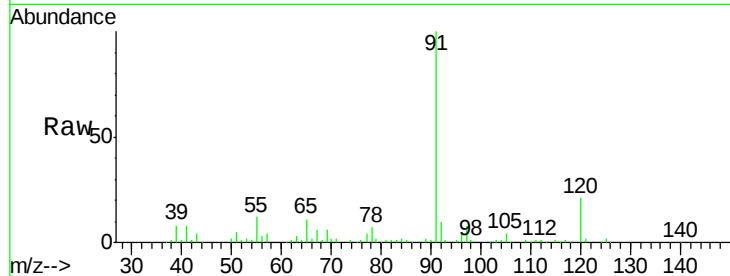
HR-06-040319-B

Tot Ion: 91 Resp: 210934

Ion Ratio Lower Upper

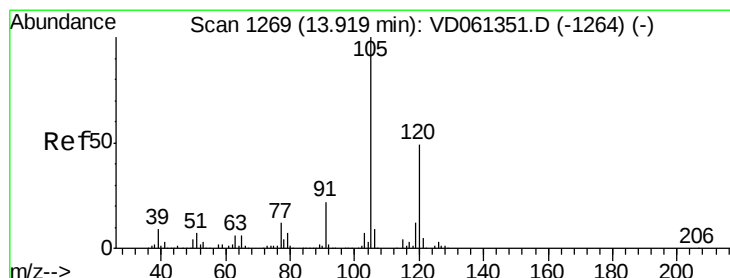
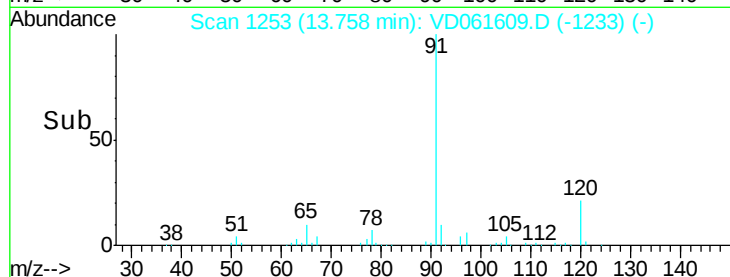
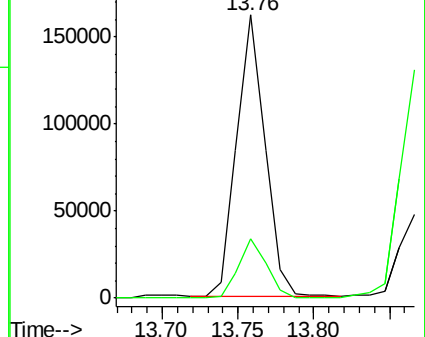
91 100

120 21.0 11.8 35.3



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: 80.559 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD061609.D

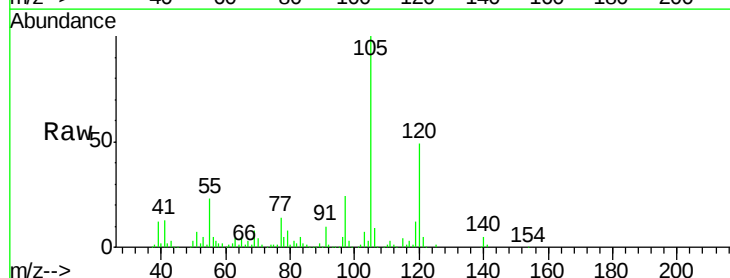
Acq: 5 Apr 2019 7:32

Tgt Ion:105 Resp: 951745

Ion Ratio Lower Upper

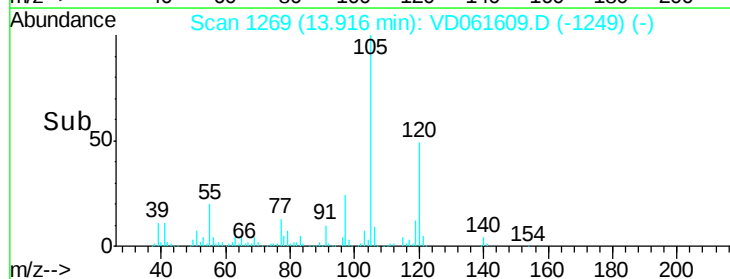
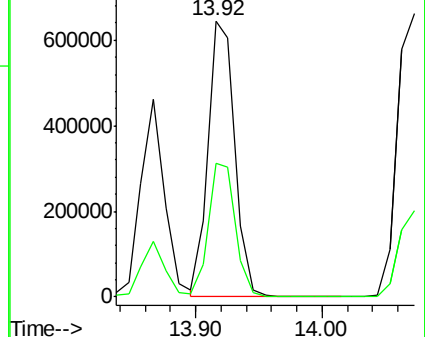
105 100

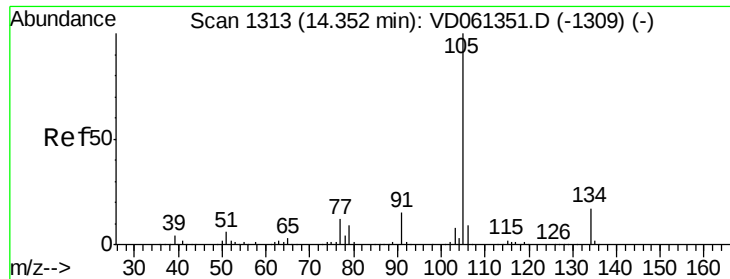
120 48.6 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

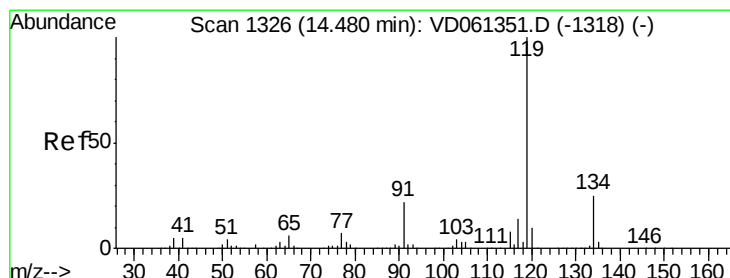
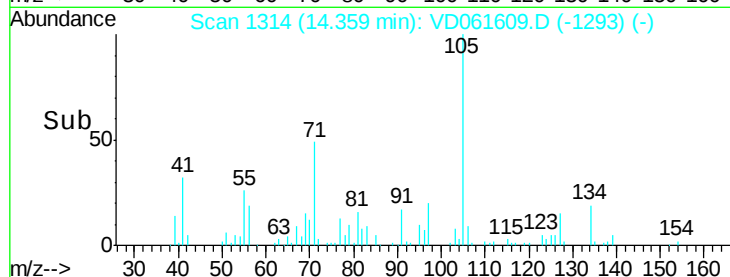
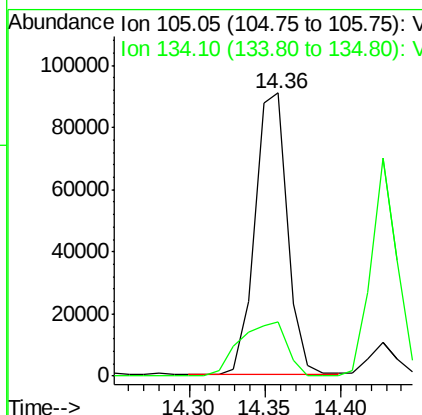
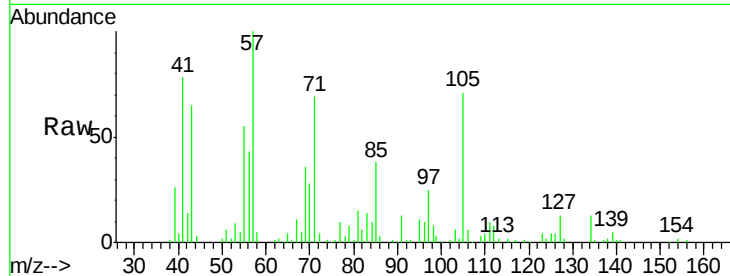




#85
 sec-Butylbenzene
 Concen: 8.660 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: VD061609.D
 Acq: 5 Apr 2019 7:32

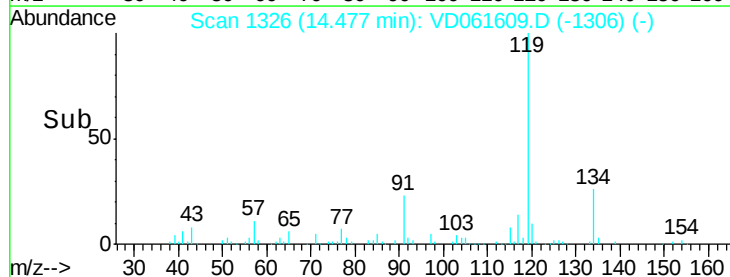
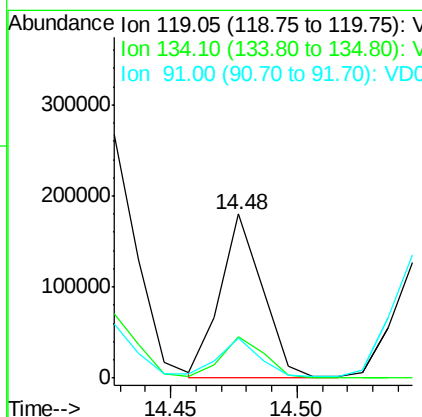
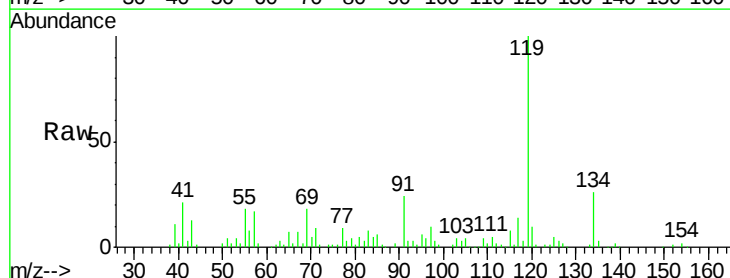
Instrument :
 MSVOA_D
 ClientSampleID :
 HR-06-040319-B

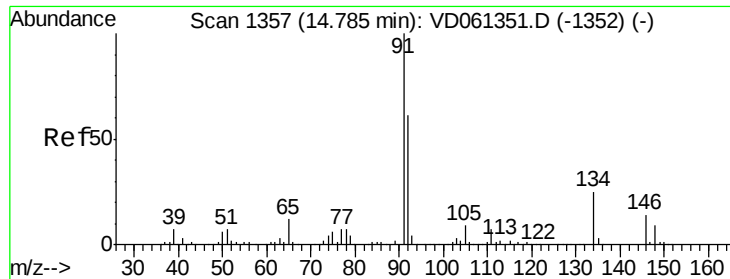
Tot Ion:105 Resp: 135839
 Ion Ratio Lower Upper
 105 100
 134 19.0 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 15.696 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061609.D
 Acq: 5 Apr 2019 7:32

Tgt Ion:119 Resp: 208185
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.3 36.8
 91 24.1 11.1 33.1





#89

n-Butylbenzene

Concen: 29.310 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-B

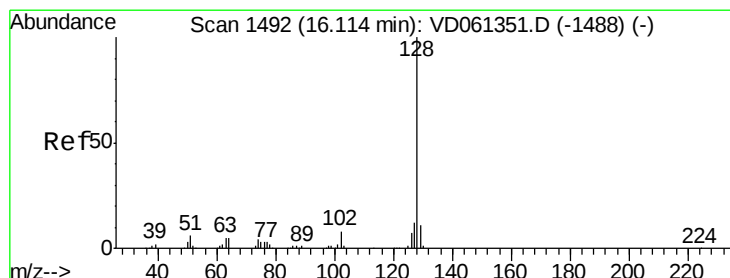
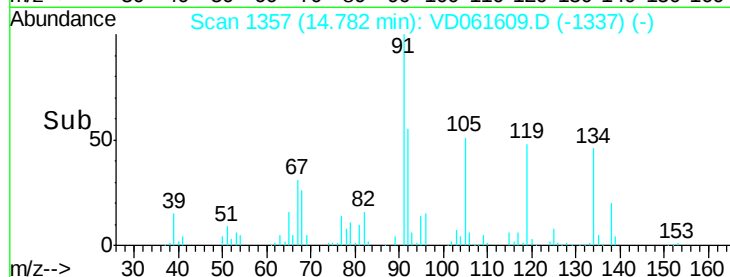
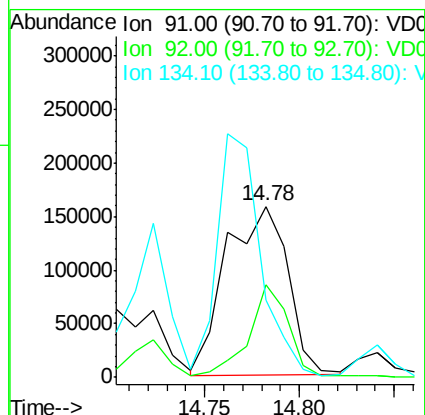
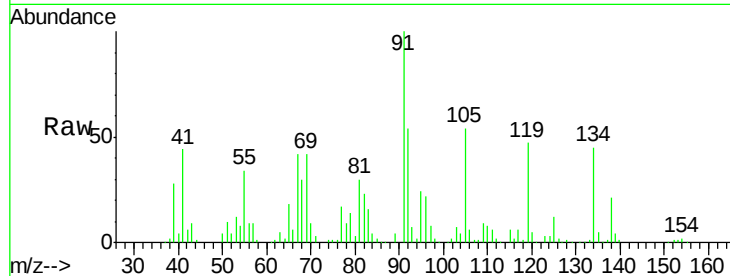
Tot Ion: 91 Resp: 356804

Ion Ratio Lower Upper

91 100

92 54.1 30.3 91.0

134 45.0 12.4 37.0#



#95

Naphthalene

Concen: 2.847 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061609.D

Acq: 5 Apr 2019 7:32

Tgt Ion:128 Resp: 12395

Ion Ratio Lower Upper

128 100

127 13.7 9.9 14.9

129 14.7 8.9 13.3#

