

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD040419\
 Data File : VD061610.D
 Acq On : 5 Apr 2019 8:00
 Operator : VA/AP
 Sample : K2193-05
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

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

Quant Time: Apr 06 06:32:51 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

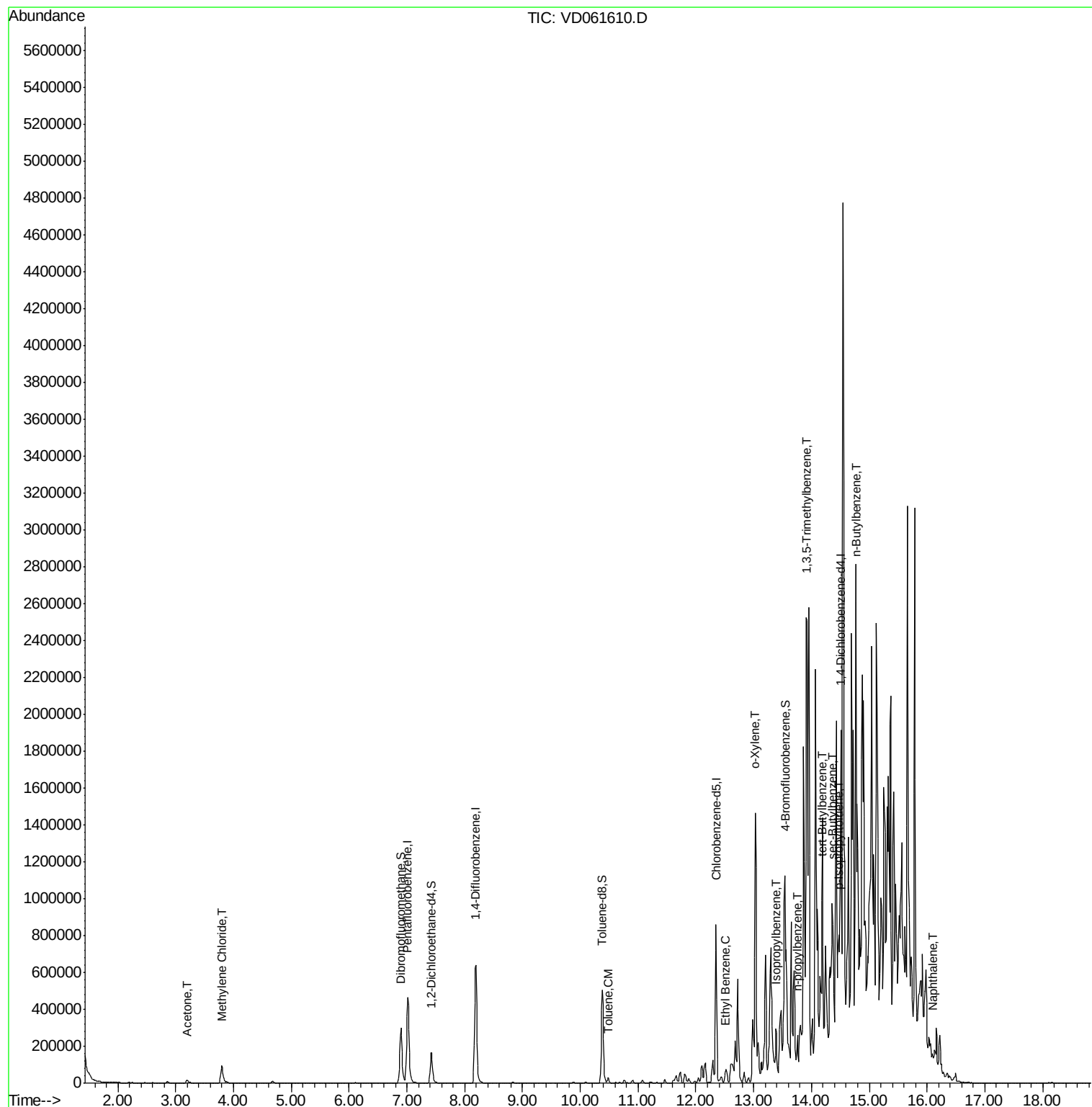
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	482676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	809317	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	546417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	228562	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	177373	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	6.90	113	285478	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.38	98	436662	29.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.88%	
62) 4-Bromofluorobenzene	13.54	95	196072	34.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.94%	
Target Compounds						
					Qvalue	
16) Acetone	3.19	43	32656	30.809	ug/l	98
20) Methylene Chloride	3.79	84	74005	10.965	ug/l	96
52) Toluene	10.48	92	19385	1.792	ug/l	85
67) Ethyl Benzene	12.51	91	29613	1.737	ug/l	99
69) o-Xylene	13.03	106	362046	57.782	ug/l	94
73) Isopropylbenzene	13.38	105	60904	3.829	ug/l	96
78) n-propylbenzene	13.76	91	93906	4.824	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	1127978	91.389	ug/l	99
83) tert-Butylbenzene	14.17	119	22268	1.444	ug/l	93
85) sec-Butylbenzene	14.36	105	134984	8.238	ug/l	98
86) p-Isopropyltoluene	14.48	119	241930	17.460	ug/l	98
89) n-Butylbenzene	14.78	91	63294m	4.977	ug/l	
95) Naphthalene	16.11	128	7895	1.736	ug/l #	79

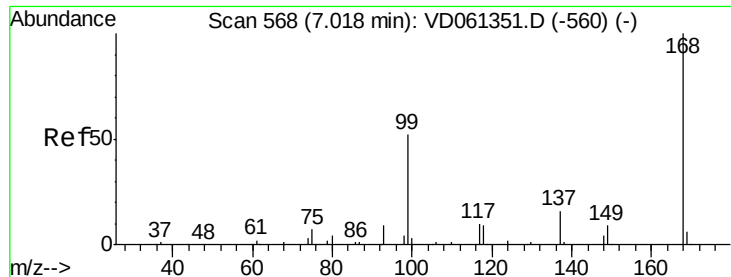
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
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: VD061610.D

Acq: 5 Apr 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

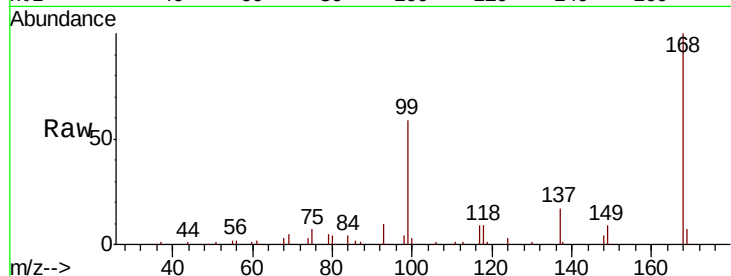
HR-06-040319-C

Tot Ion:168 Resp: 482676

Ion Ratio Lower Upper

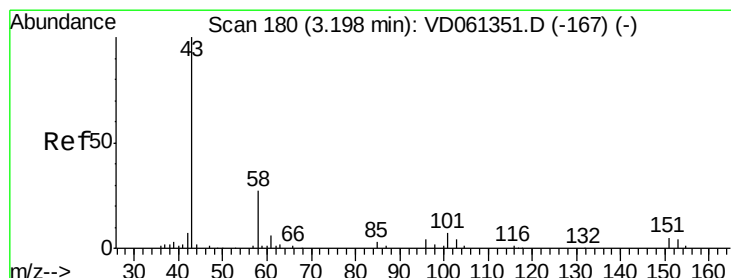
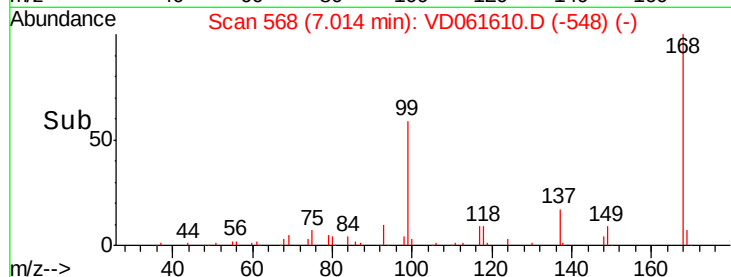
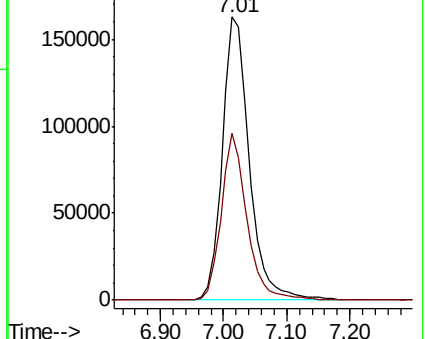
168 100

99 59.0 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: 30.809 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD061610.D

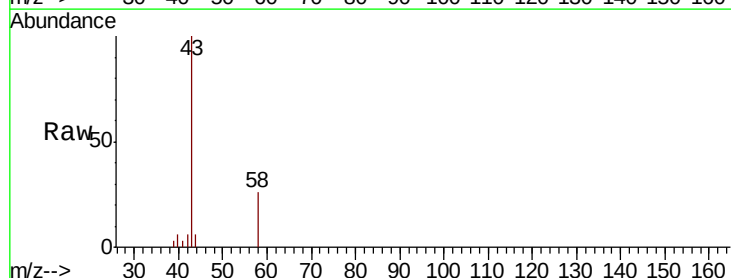
Acq: 5 Apr 2019 8:00

Tgt Ion: 43 Resp: 32656

Ion Ratio Lower Upper

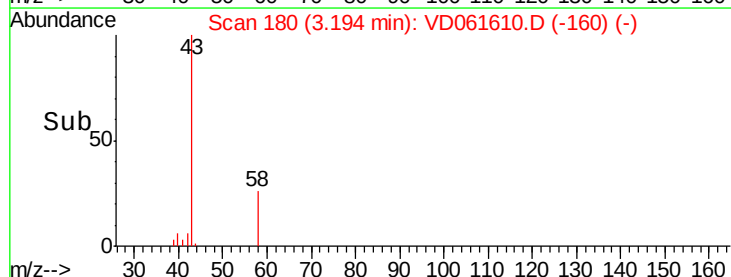
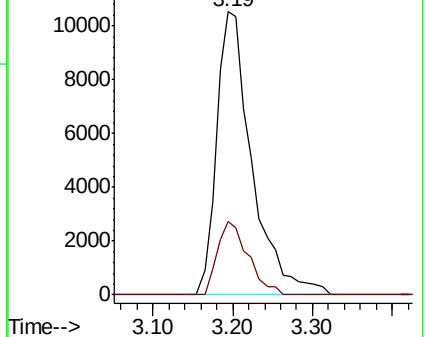
43 100

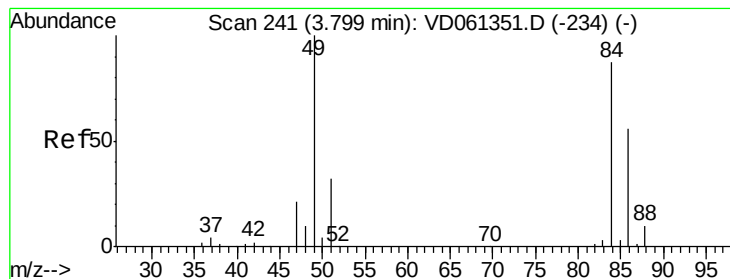
58 26.0 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 10.965 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD061610.D

Acq: 5 Apr 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-C

Tot Ion: 84 Resp: 74005

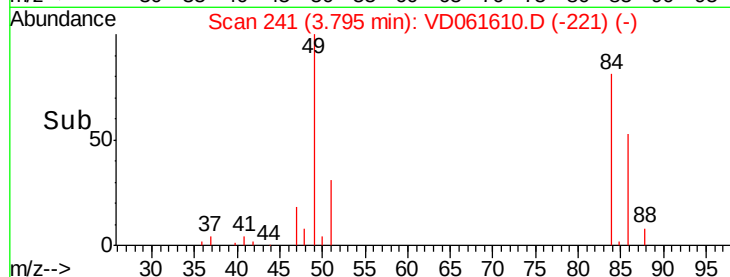
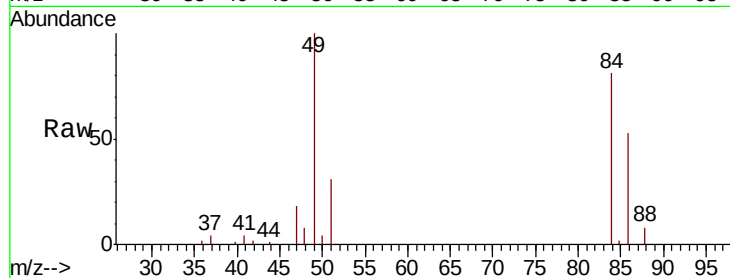
Ion Ratio Lower Upper

84 100

49 122.9 91.8 137.8

51 37.5 29.8 44.8

86 65.4 51.8 77.6

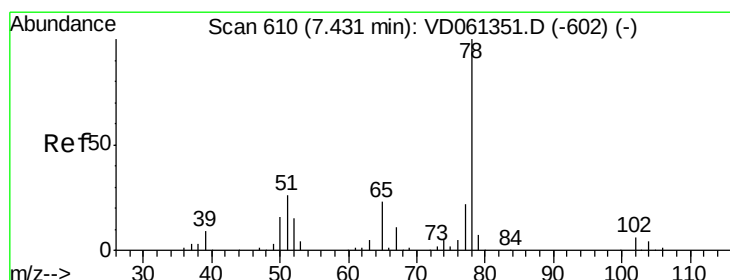
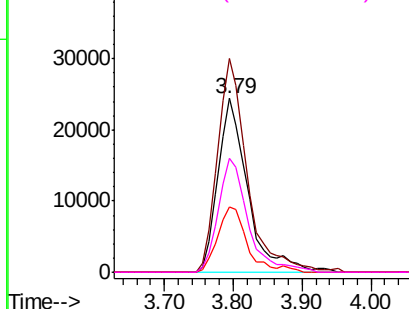


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: VD061610.D

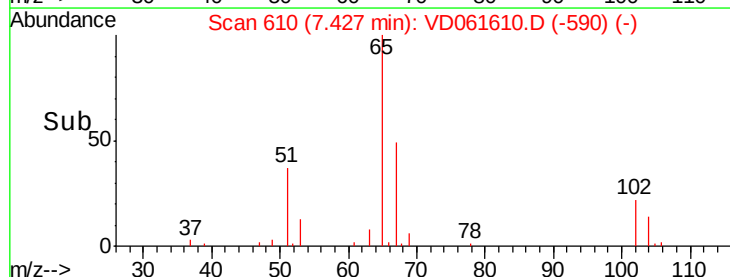
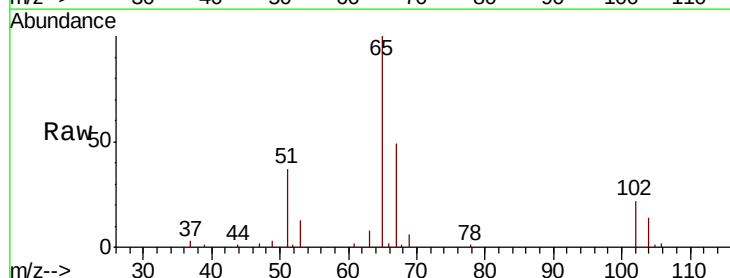
Acq: 5 Apr 2019 8:00

Tgt Ion: 65 Resp: 177373

Ion Ratio Lower Upper

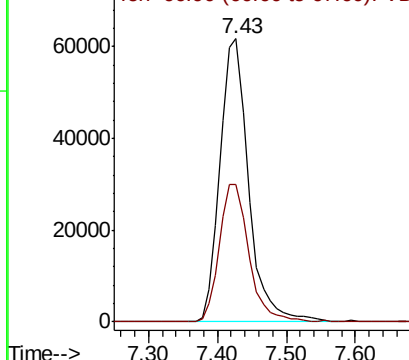
65 100

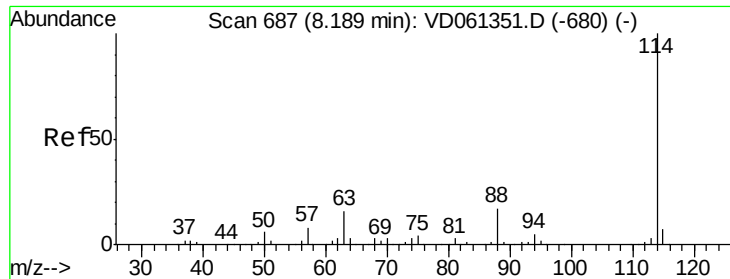
67 48.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

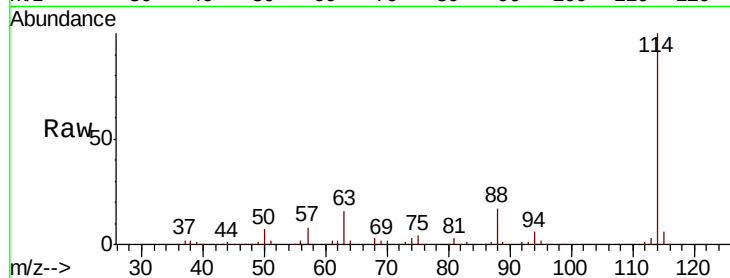




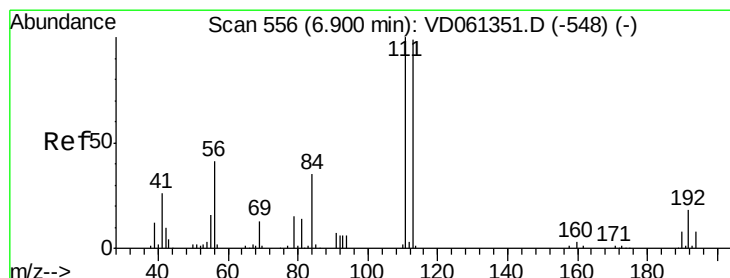
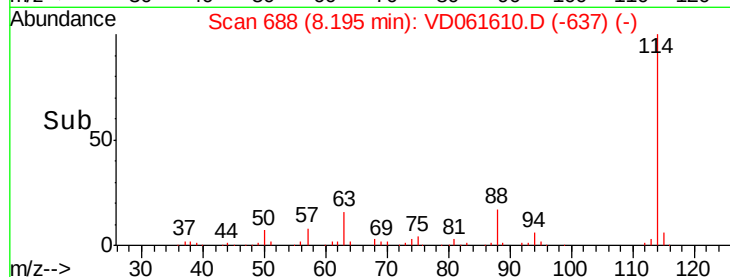
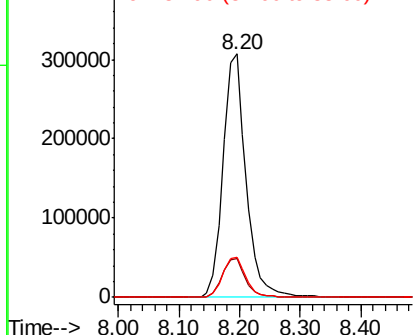
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061610.D
 Acq: 5 Apr 2019 8:00

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

Tot Ion:114 Resp: 809317
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.5 0.0 33.4

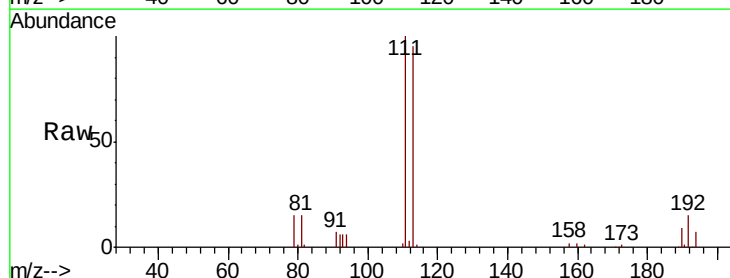


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

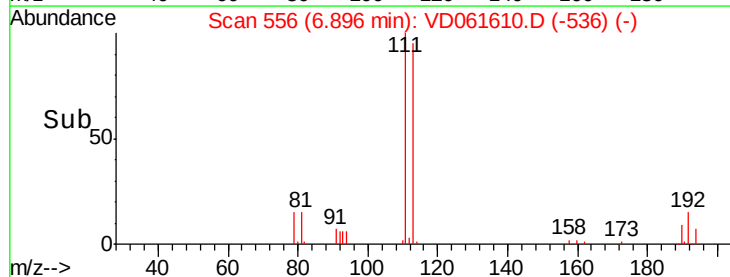
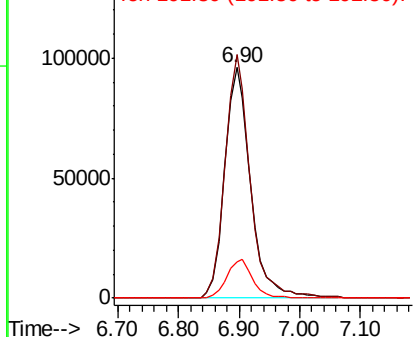


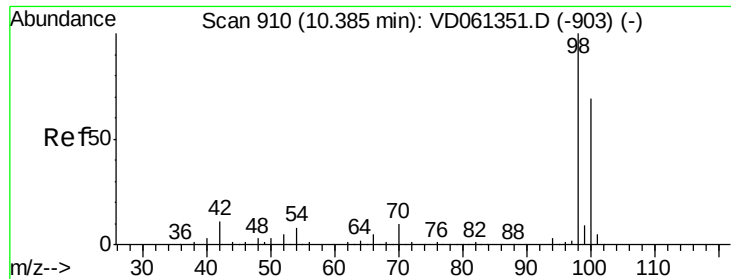
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD061610.D
 Acq: 5 Apr 2019 8:00

Tgt Ion:113 Resp: 285478
 Ion Ratio Lower Upper
 113 100
 111 105.7 81.0 121.6
 192 16.0 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

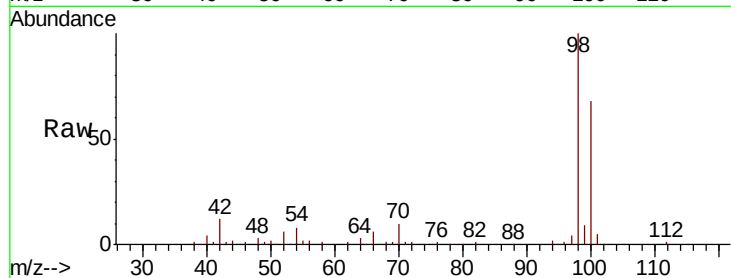




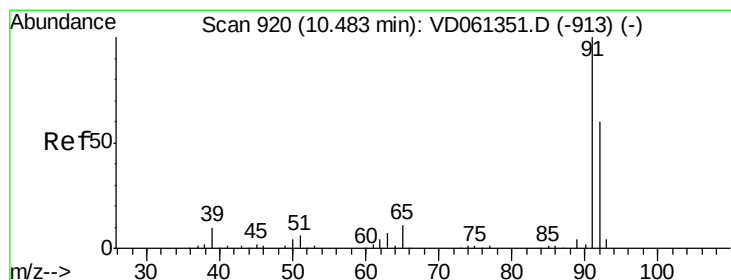
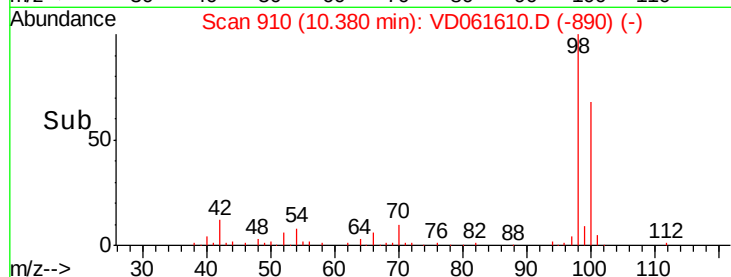
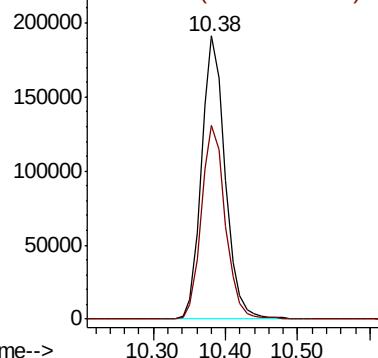
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

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

Tot Ion: 98 Resp: 436662
Ion Ratio Lower Upper
98 100
100 68.4 56.2 84.2

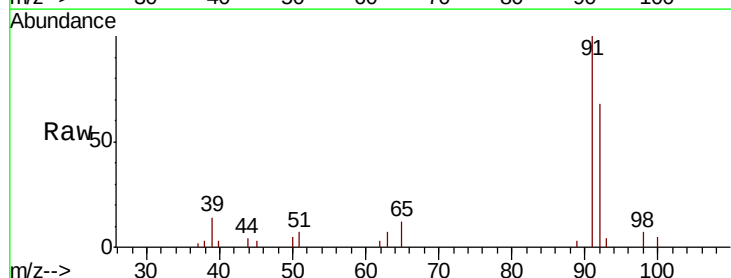


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

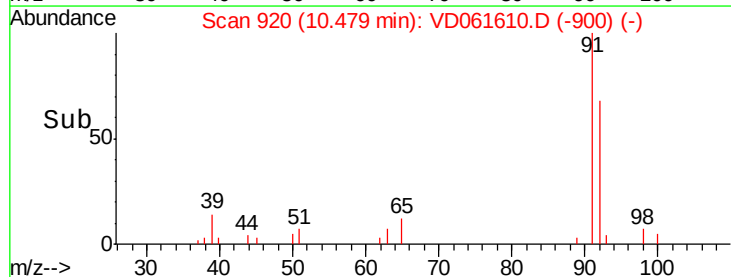
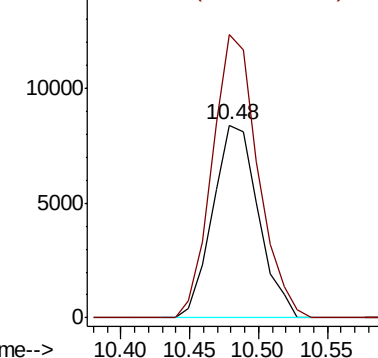


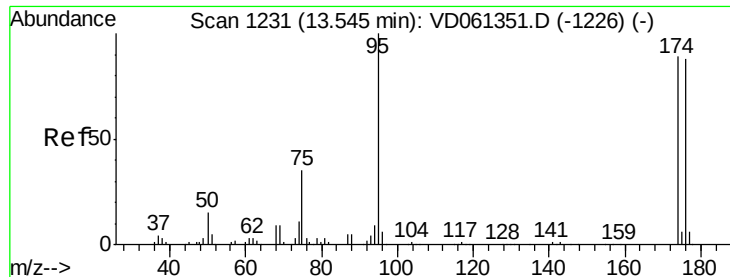
#52
Toluene
Concen: 1.792 ug/l
RT: 10.48 min Scan# 920
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

Tgt Ion: 92 Resp: 19385
Ion Ratio Lower Upper
92 100
91 146.6 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD0
Ion 91.00 (90.70 to 91.70): VD0

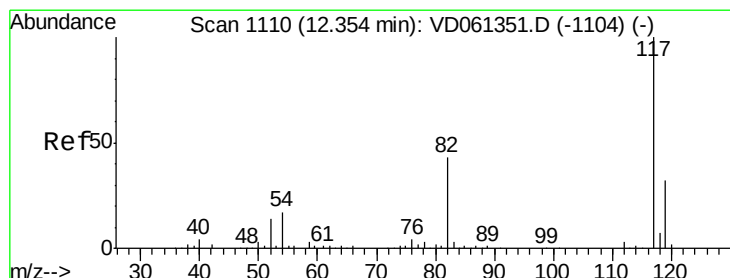
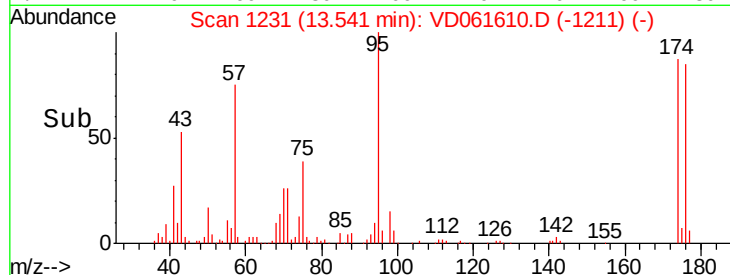
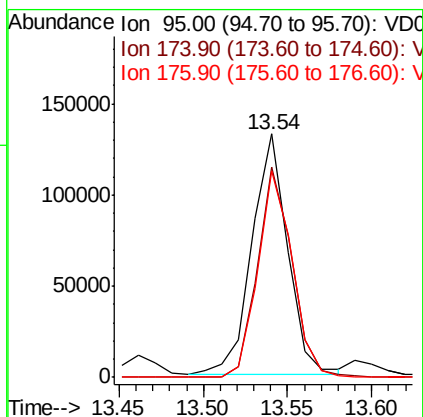
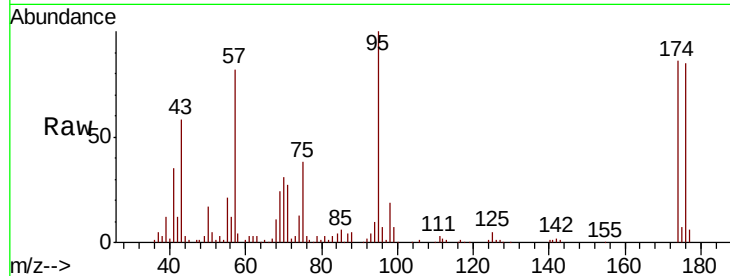




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

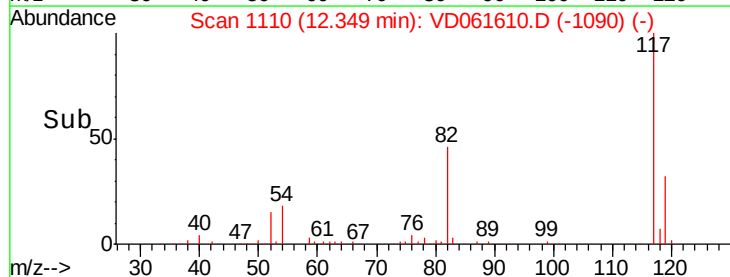
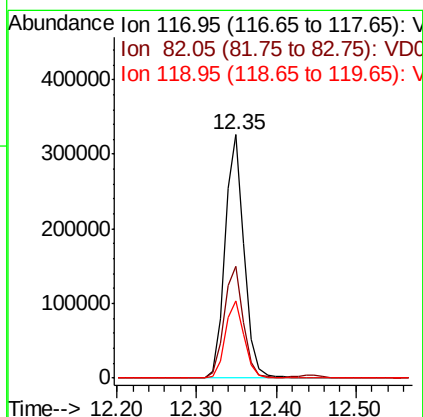
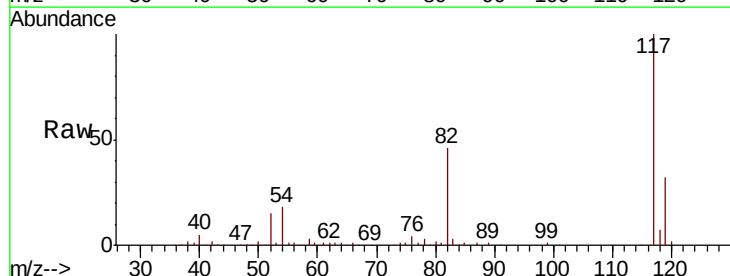
Instrument :
MSVOA_D
ClientSampleId :
HR-06-040319-C

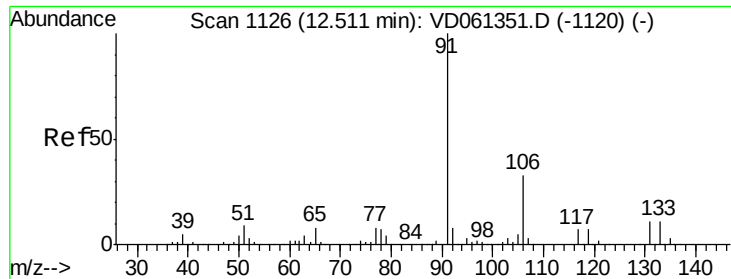
Tot Ion: 95 Resp: 196072
Ion Ratio Lower Upper
95 100
174 86.4 0.0 178.0
176 84.8 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

Tgt Ion: 117 Resp: 546417
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 31.9 25.8 38.6





#67

Ethyl Benzene

Concen: 1.737 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD061610.D

Acq: 5 Apr 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

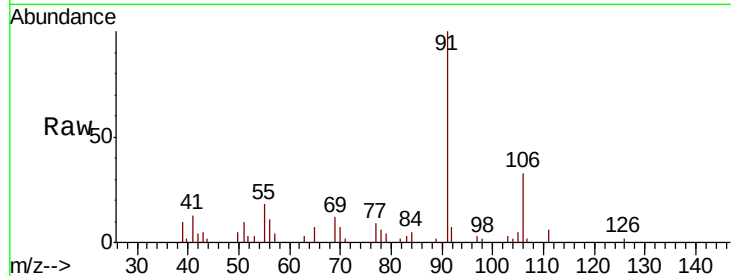
HR-06-040319-C

Tot Ion: 91 Resp: 29613

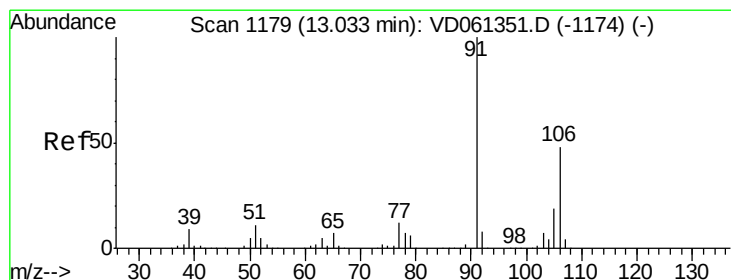
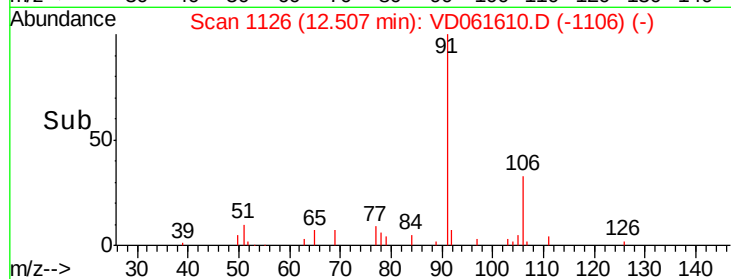
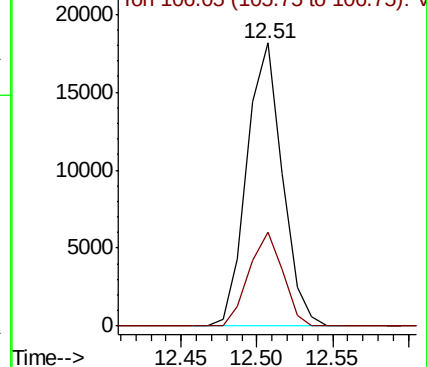
Ion Ratio Lower Upper

91 100

106 33.0 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VD061610.D (-1120) (-)



#69

o-Xylene

Concen: 57.782 ug/l

RT: 13.03 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VD061610.D

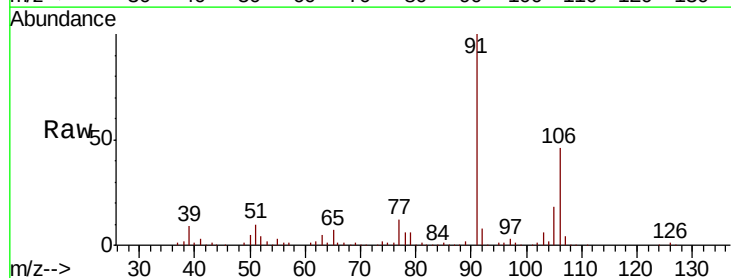
Acq: 5 Apr 2019 8:00

Tgt Ion: 106 Resp: 362046

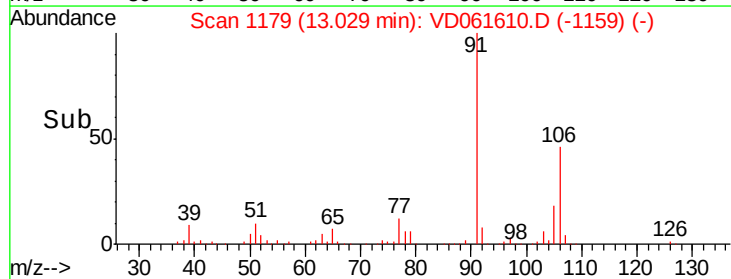
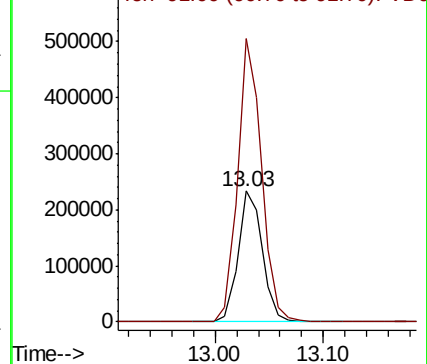
Ion Ratio Lower Upper

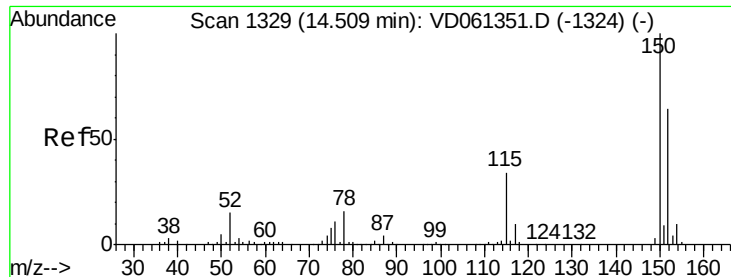
106 100

91 216.7 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): VD061610.D (-1174) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061610.D

Acq: 5 Apr 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

HR-06-040319-C

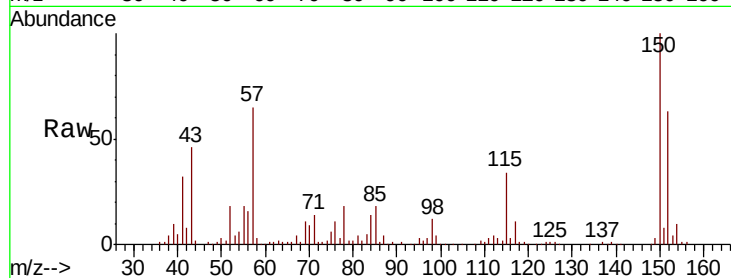
Tot Ion:152 Resp: 228562

Ion Ratio Lower Upper

152 100

115 53.9 26.9 80.6

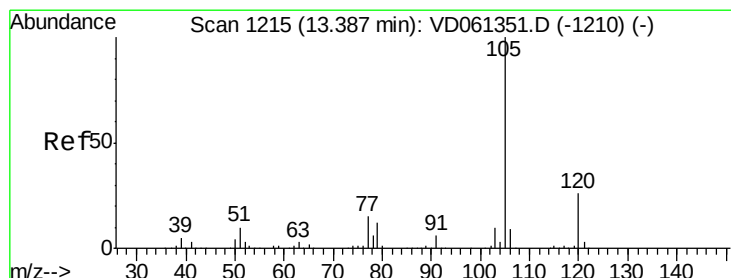
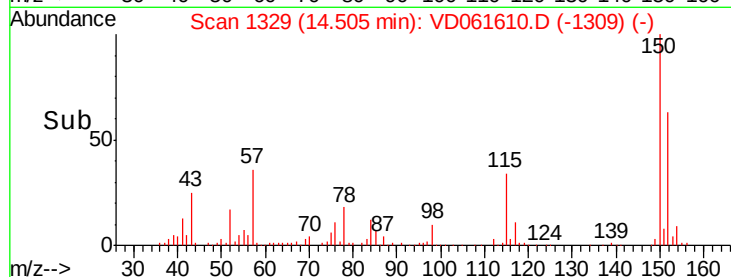
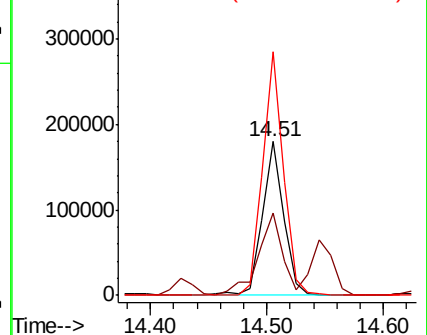
150 158.6 0.0 318.0



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: 3.829 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD061610.D

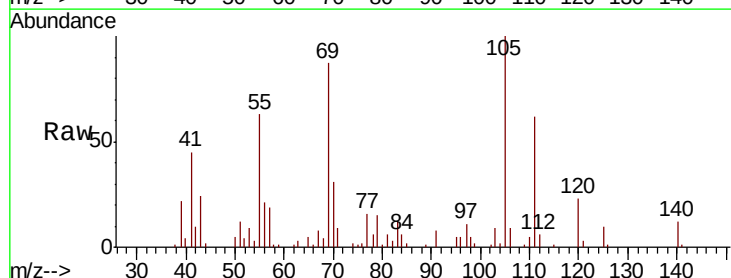
Acq: 5 Apr 2019 8:00

Tgt Ion:105 Resp: 60904

Ion Ratio Lower Upper

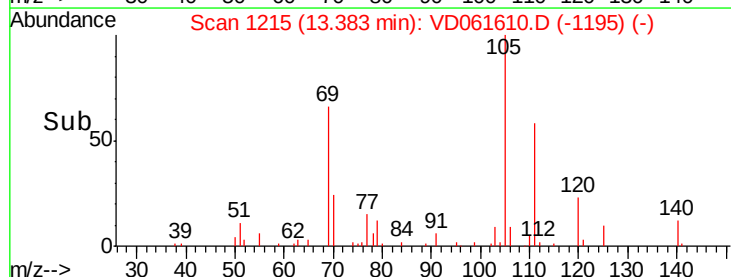
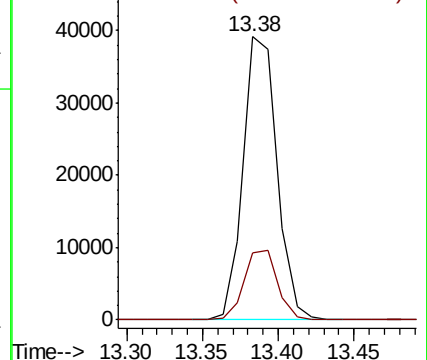
105 100

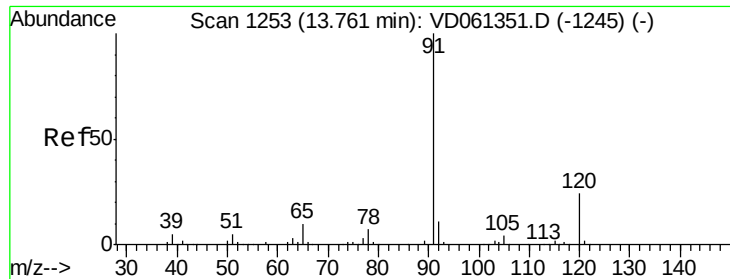
120 23.5 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#78

n-propylbenzene

Concen: 4.824 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061610.D

Acq: 5 Apr 2019 8:00

Instrument :

MSVOA_D

ClientSampleId :

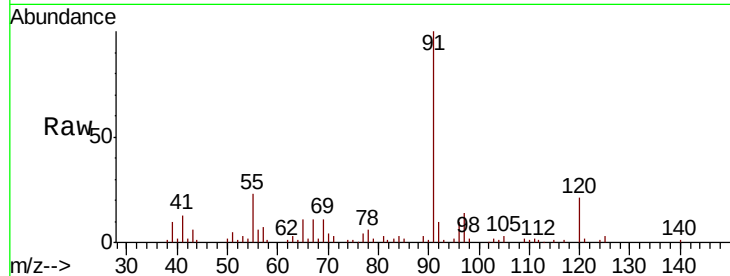
HR-06-040319-C

Tot Ion: 91 Resp: 93906

Ion Ratio Lower Upper

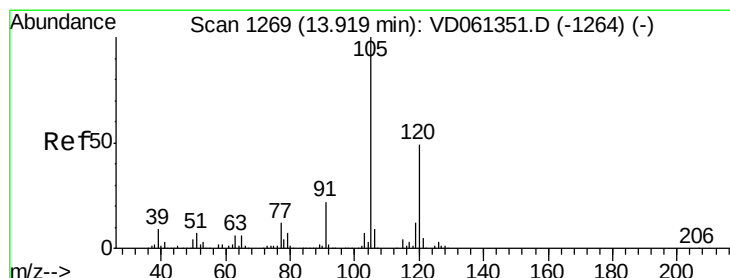
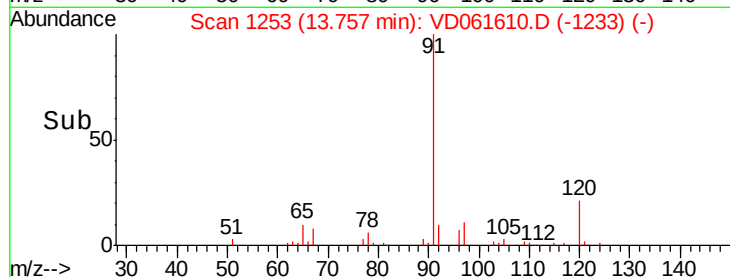
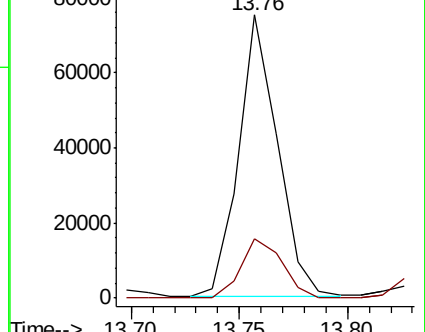
91 100

120 20.8 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: 91.389 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061610.D

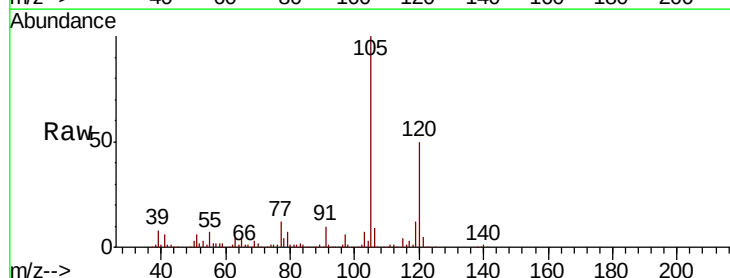
Acq: 5 Apr 2019 8:00

Tgt Ion:105 Resp: 1127978

Ion Ratio Lower Upper

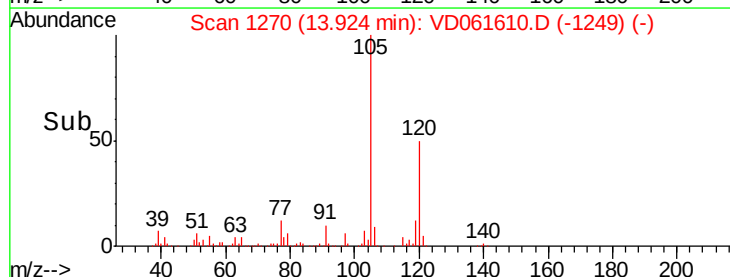
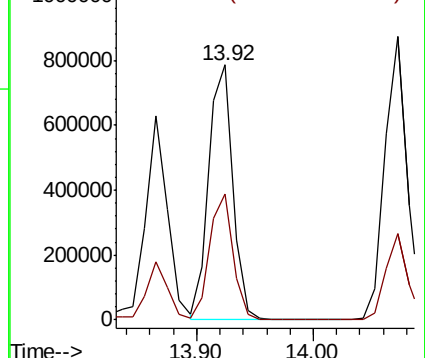
105 100

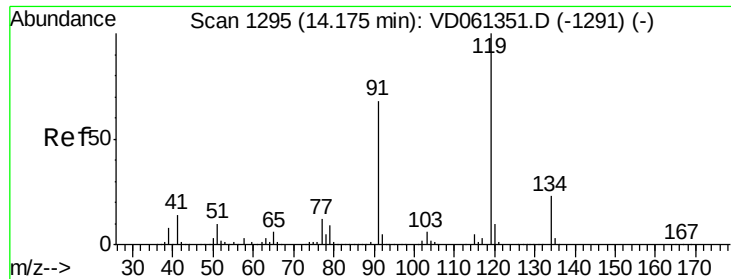
120 49.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

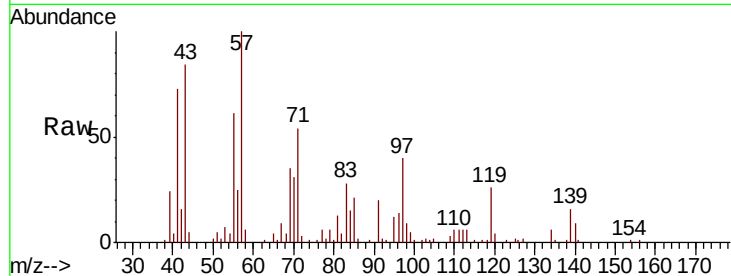




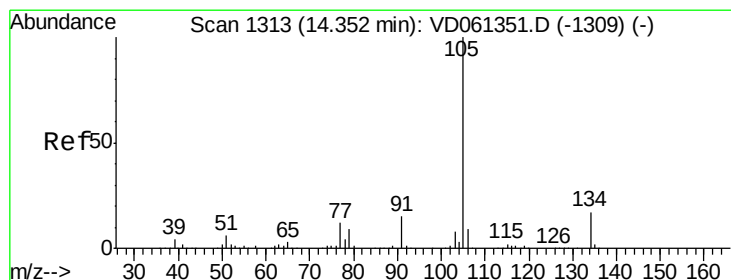
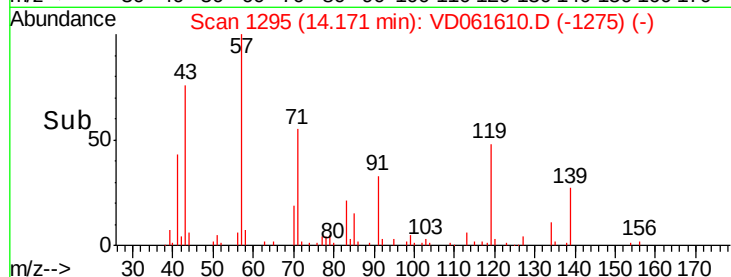
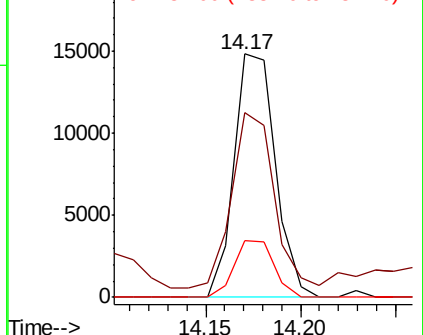
#83
tert-Butylbenzene
Concen: 1.444 ug/l
RT: 14.17 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

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

Tot Ion:119 Resp: 22268
Ion Ratio Lower Upper
119 100
91 76.0 34.1 102.3
134 23.5 11.6 34.8

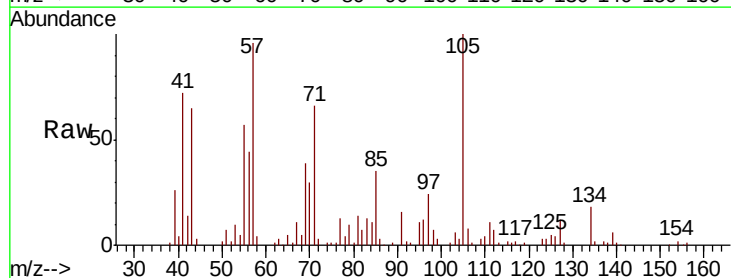


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

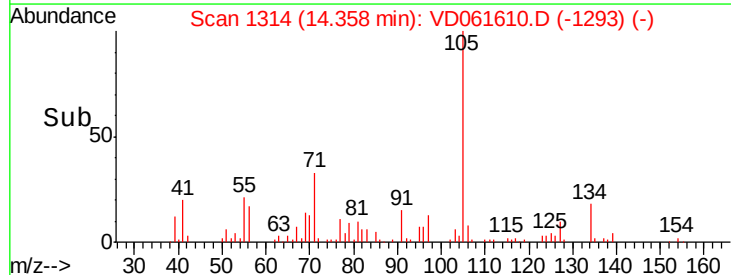
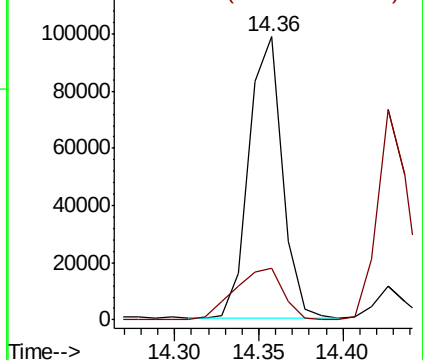


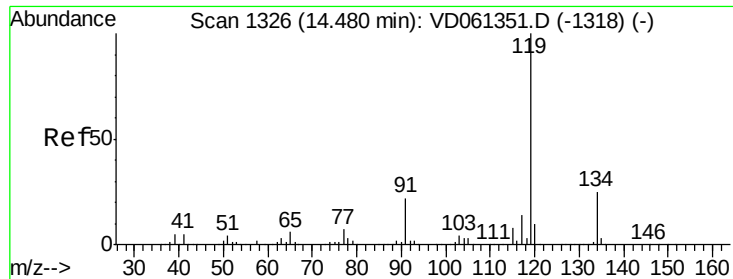
#85
sec-Butylbenzene
Concen: 8.238 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. 0.01 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

Tgt Ion:105 Resp: 134984
Ion Ratio Lower Upper
105 100
134 18.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 134.10 (133.80 to 134.80): V

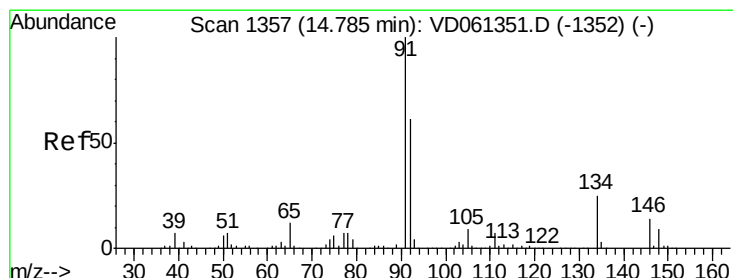
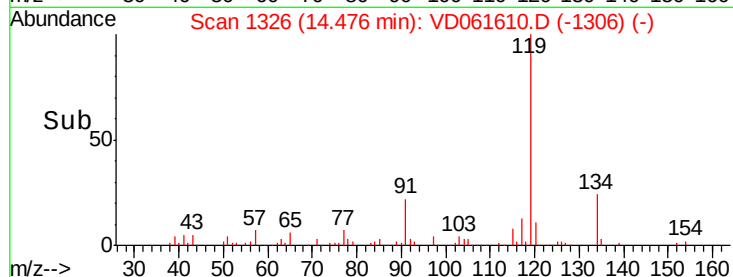
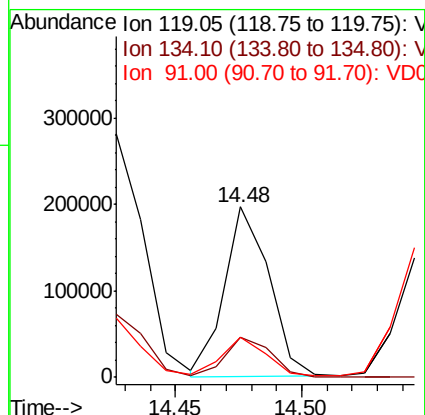
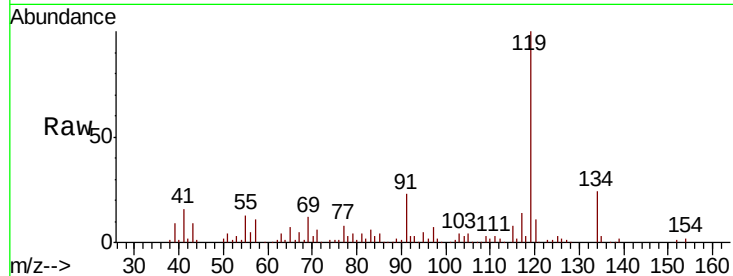




#86
 p-Isopropyltoluene
 Concen: 17.460 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061610.D
 Acq: 5 Apr 2019 8:00

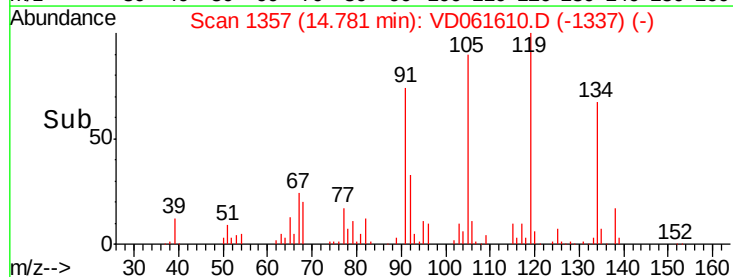
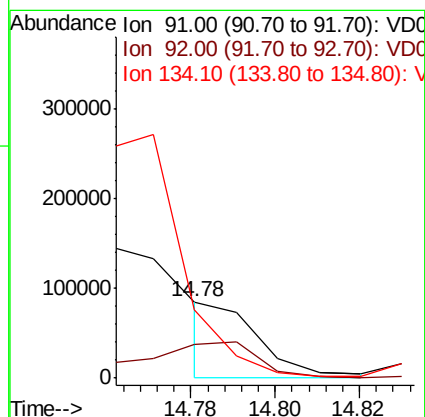
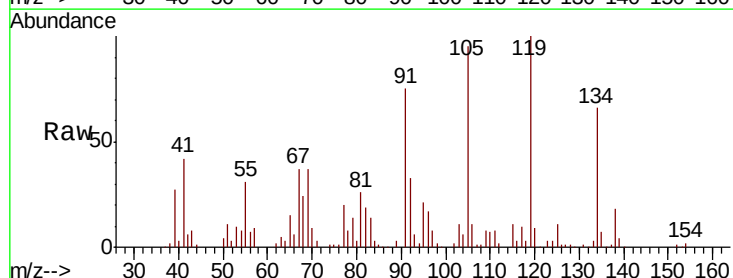
Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-C

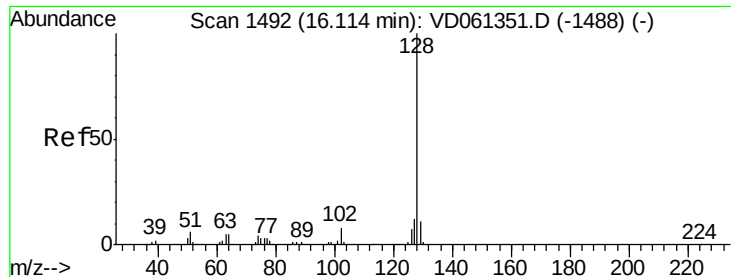
Tot Ion: 119 Resp: 241930
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.3 36.8
 91 23.2 11.1 33.1



#89
 n-Butylbenzene
 Concen: 4.977 ug/l m
 RT: 14.78 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD061610.D
 Acq: 5 Apr 2019 8:00

Tgt Ion: 91 Resp: 63294
 Ion Ratio Lower Upper
 91 100
 92 44.5 30.3 91.0
 134 88.8 12.4 37.0#

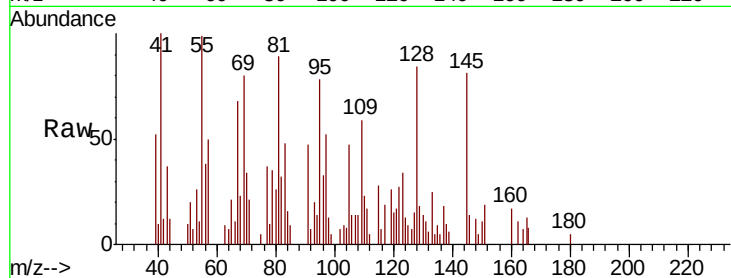




#95
Naphthalene
Concen: 1.736 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061610.D
Acq: 5 Apr 2019 8:00

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.2	9.9	14.9#
129	21.8	8.9	13.3#



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

