

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061408.D
 Acq On : 28 Mar 2019 23:14
 Operator : VA/AP
 Sample : K2112-04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 DR-WC-001

Quant Time: Mar 29 05:20:02 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	7.04	168	28474	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	54908	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	50240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	23012	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	26204	107.73	ug/l	0.00
Spiked Amount						
			Recovery	=	215.46%	
35) Dibromofluoromethane	6.92	113	29185	69.55	ug/l	0.02
Spiked Amount						
			Recovery	=	139.10%	
50) Toluene-d8	10.39	98	60904	60.52	ug/l	0.00
Spiked Amount						
			Recovery	=	121.04%	
62) 4-Bromofluorobenzene	13.60	95	2982	7.73	ug/l	0.06
Spiked Amount						
			Recovery	=	15.46%	

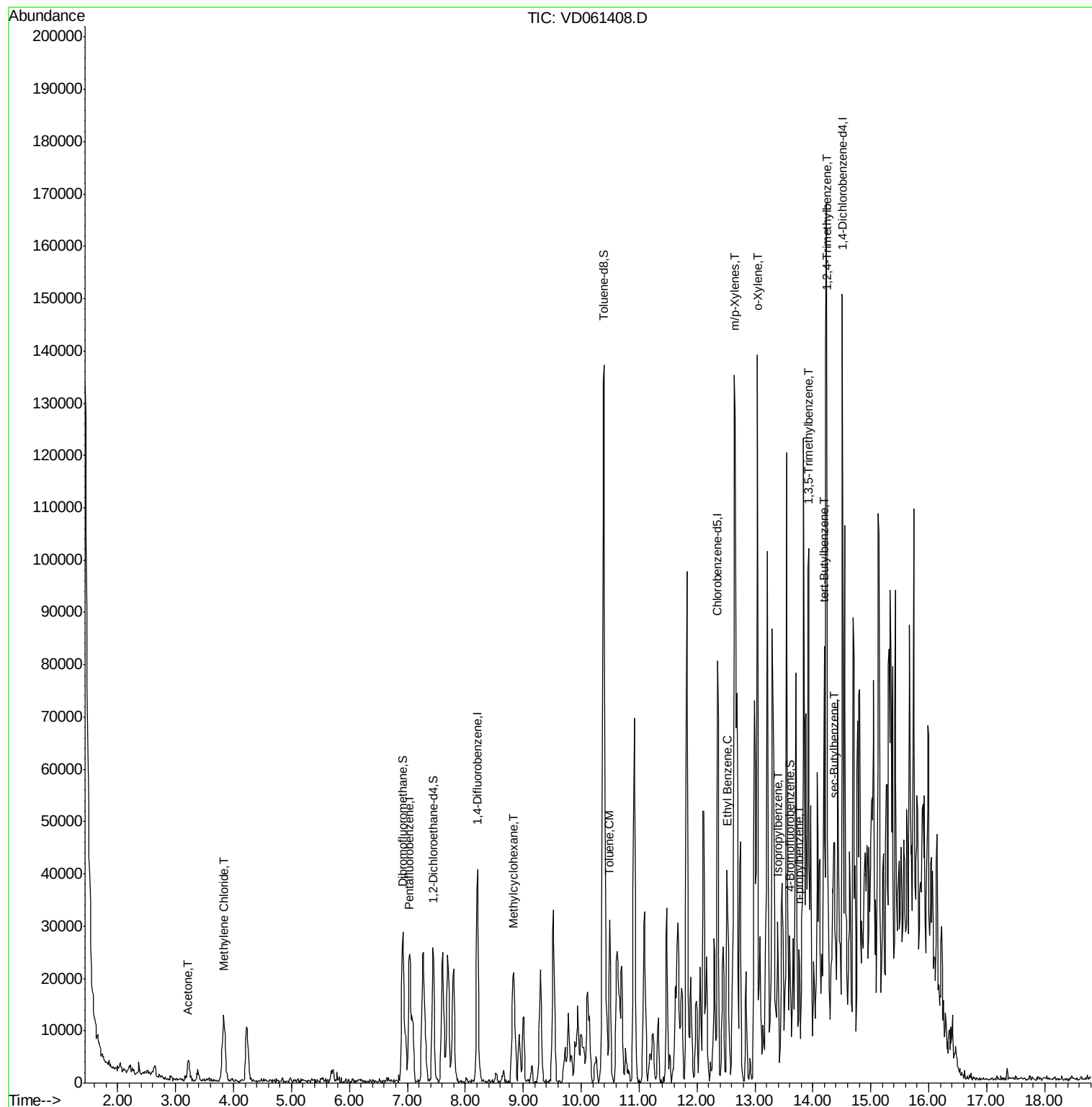
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	8522	136.291	ug/l #	81
20) Methylene Chloride	3.82	84	4459	11.241	ug/l	97
39) Methylcyclohexane	8.84	83	9870	19.775	ug/l #	70
52) Toluene	10.49	92	18070	24.627	ug/l	98
67) Ethyl Benzene	12.51	91	26528	16.927	ug/l	95
68) m/p-Xylenes	12.66	106	42437	71.484	ug/l	94
69) o-Xylene	13.04	106	29807	51.740	ug/l	99
73) Isopropylbenzene	13.40	105	7781	4.858	ug/l	89
78) n-propylbenzene	13.77	91	15698	8.009	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	35916	28.902	ug/l	98
83) tert-Butylbenzene	14.18	119	2129	1.371	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	70172	52.159	ug/l	94
85) sec-Butylbenzene	14.36	105	8210	4.976	ug/l	91

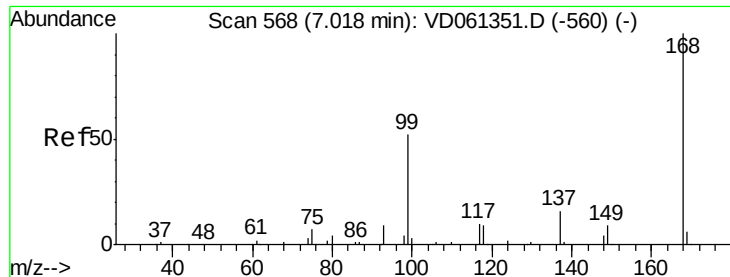
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032819\
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Quant Time: Mar 29 05:20:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

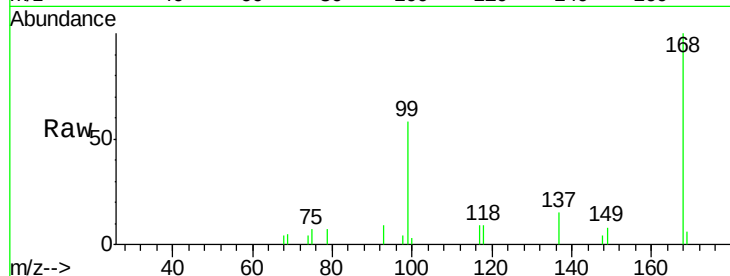
DR-WC-001

Tot Ion:168 Resp: 28474

Ion Ratio Lower Upper

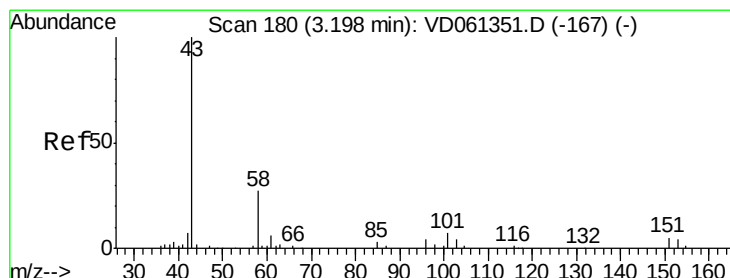
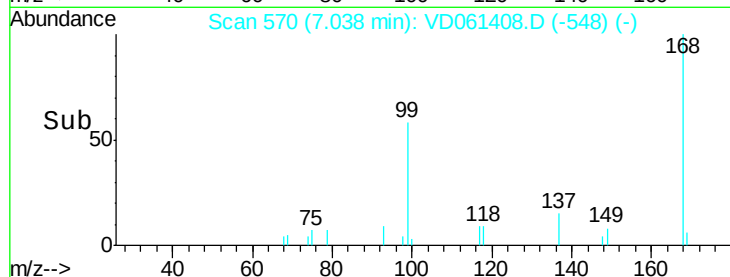
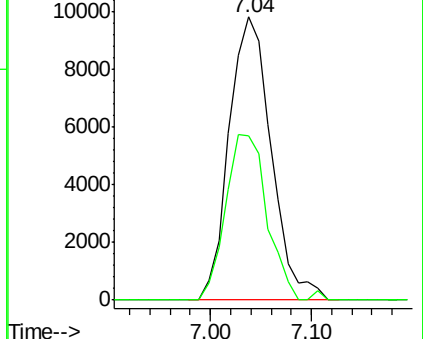
168 100

99 58.0 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: 136.291 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061408.D

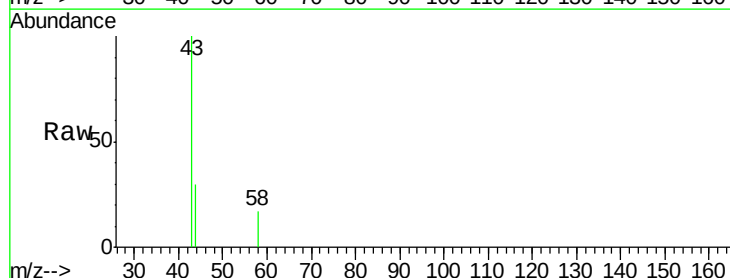
Acq: 28 Mar 2019 23:14

Tgt Ion: 43 Resp: 8522

Ion Ratio Lower Upper

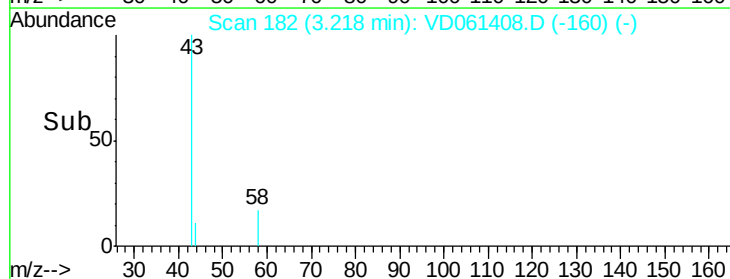
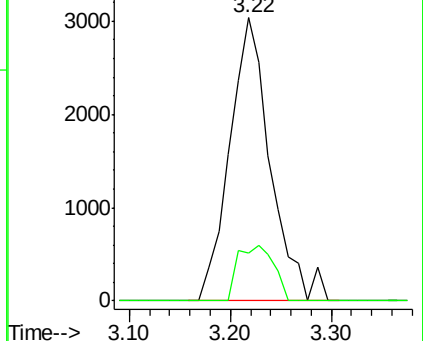
43 100

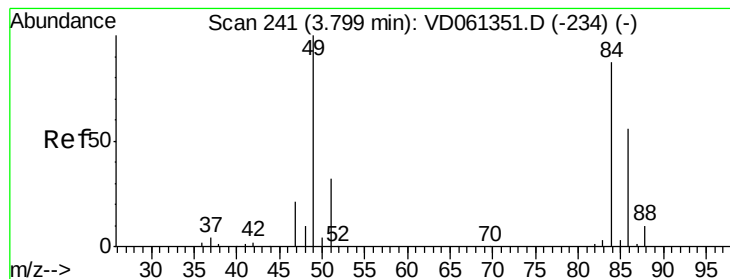
58 17.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 11.241 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001

Tot Ion: 84 Resp: 4459

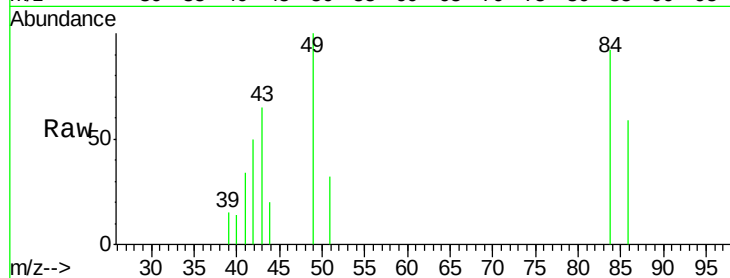
Ion Ratio Lower Upper

84 100

49 109.1 91.8 137.8

51 35.3 29.8 44.8

86 64.9 51.8 77.6

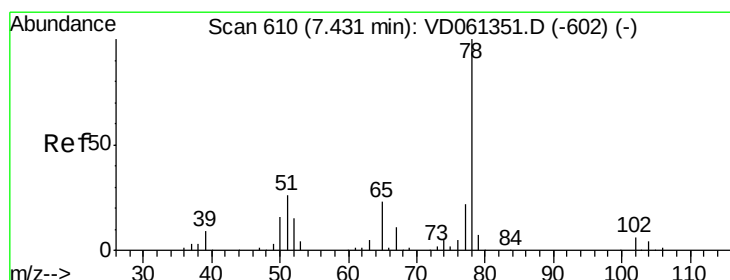
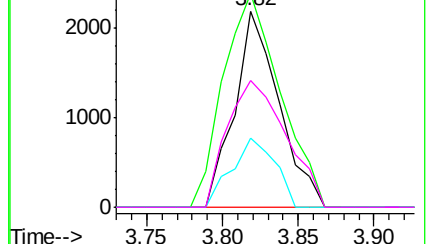
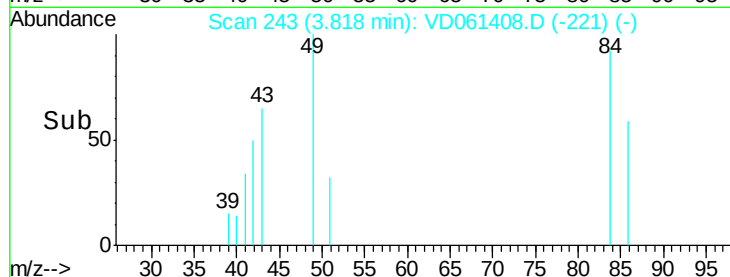


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061408.D

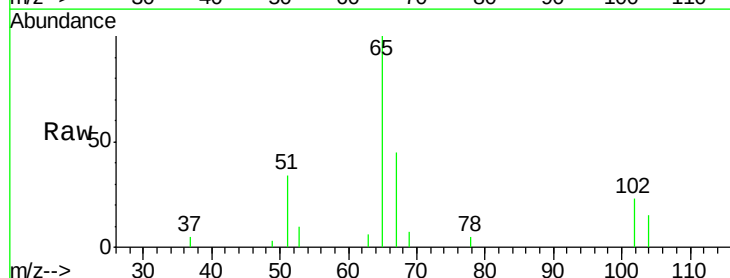
Acq: 28 Mar 2019 23:14

Tgt Ion: 65 Resp: 26204

Ion Ratio Lower Upper

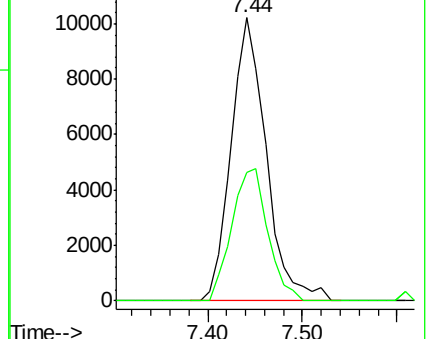
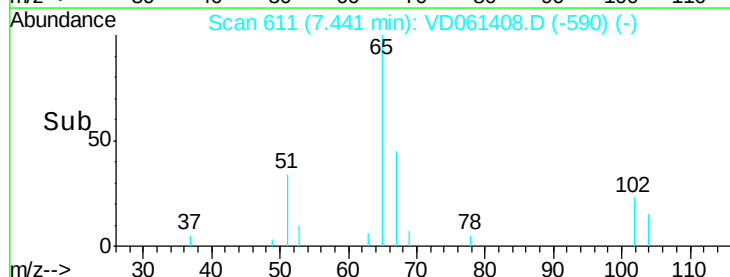
65 100

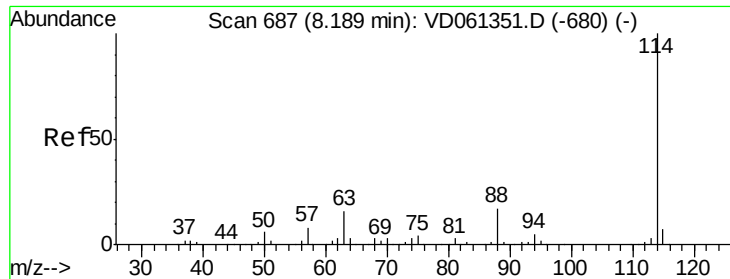
67 45.3 0.0 99.8



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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001

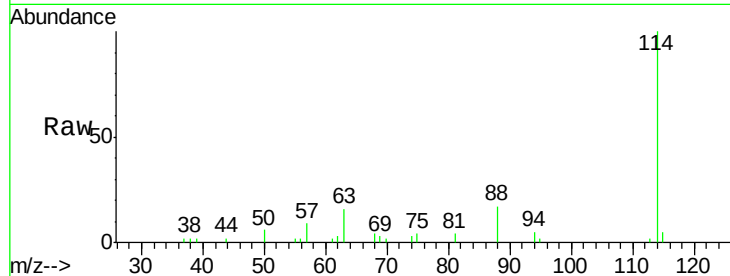
Tot Ion:114 Resp: 54908

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.6

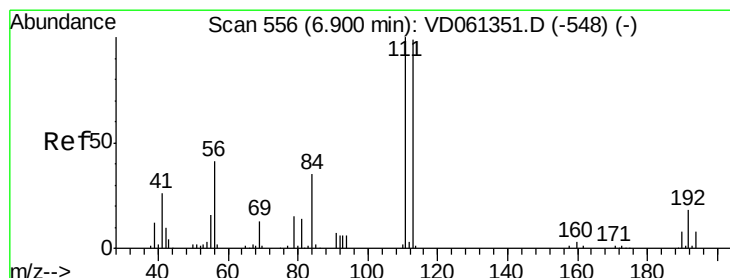
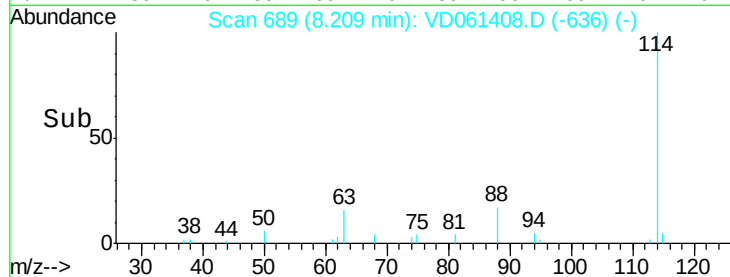
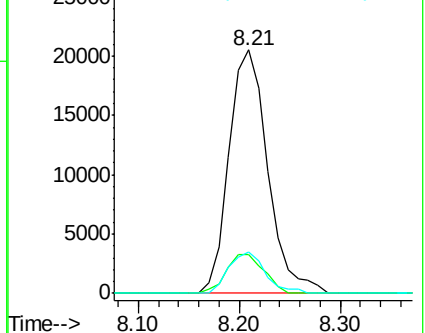
88 17.2 0.0 33.4



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: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

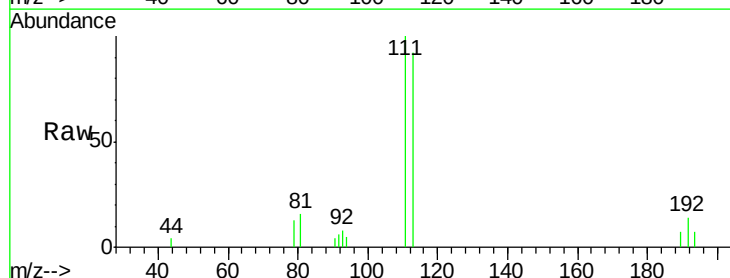
Tgt Ion:113 Resp: 29185

Ion Ratio Lower Upper

113 100

111 109.1 81.0 121.6

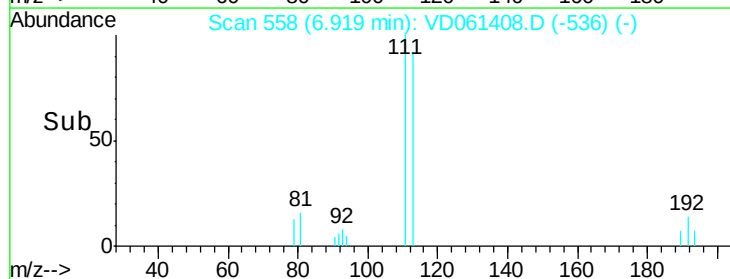
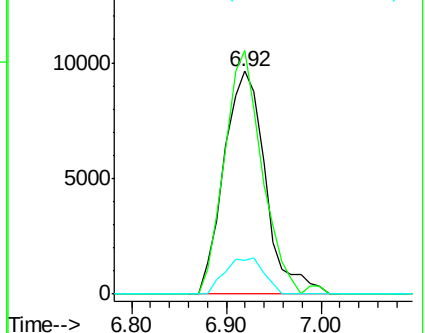
192 15.1 14.4 21.6

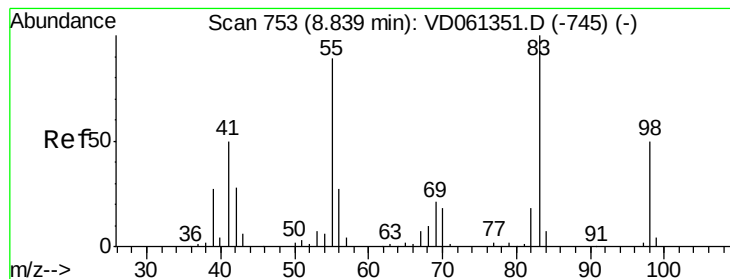


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#39

Methylvlcyclohexane

Concen: 19.775 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

DR-WC-001

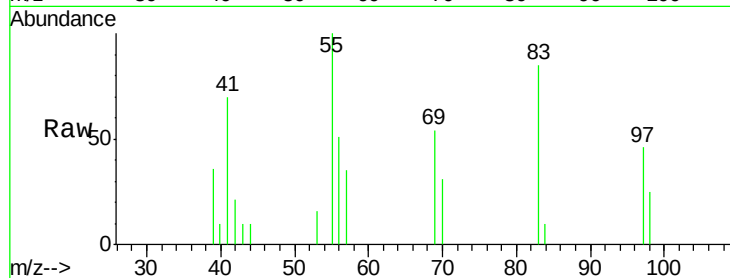
Tot Ion: 83 Resp: 9870

Ion Ratio Lower Upper

83 100

55 117.2 71.5 107.3#

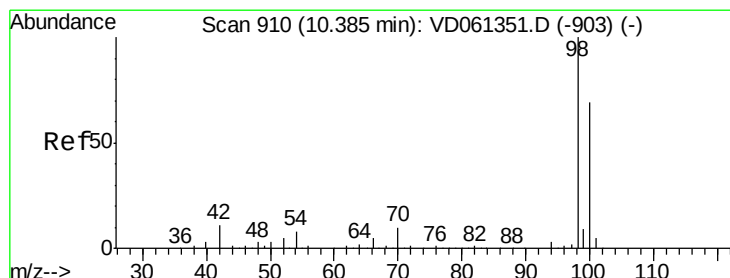
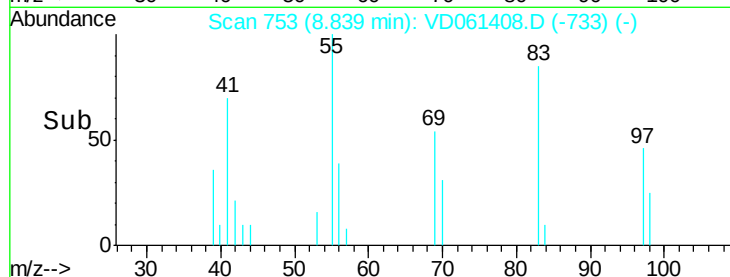
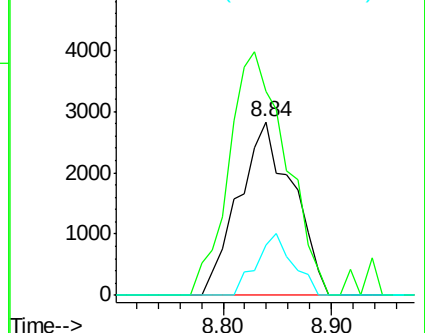
98 28.8 40.3 60.5#



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061408.D

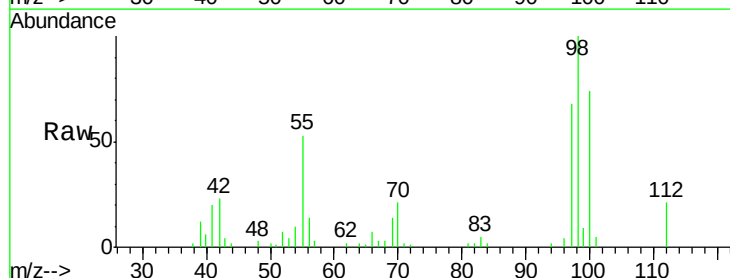
Acq: 28 Mar 2019 23:14

Tgt Ion: 98 Resp: 60904

Ion Ratio Lower Upper

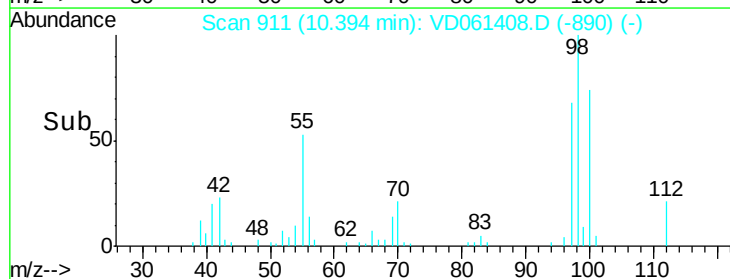
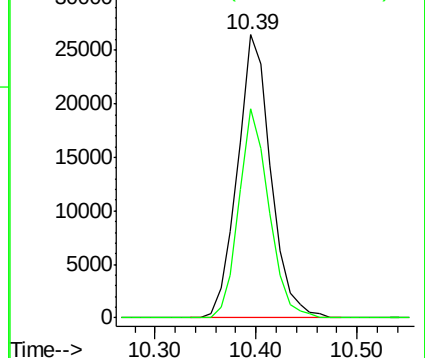
98 100

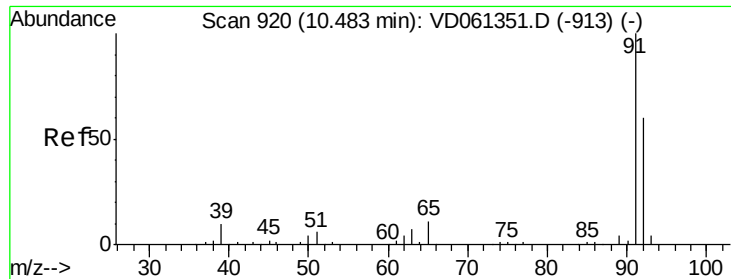
100 73.7 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 24.627 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

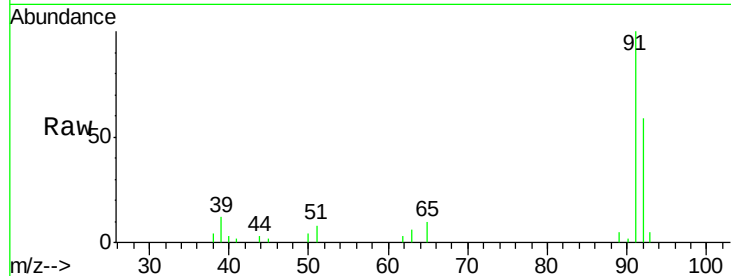
DR-WC-001

Tot Ion: 92 Resp: 18070

Ion Ratio Lower Upper

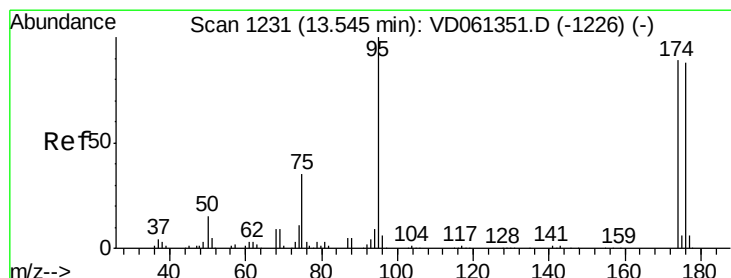
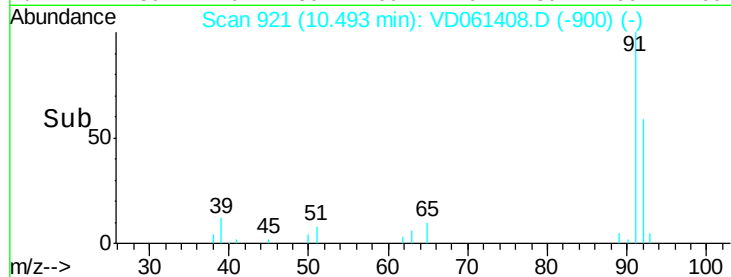
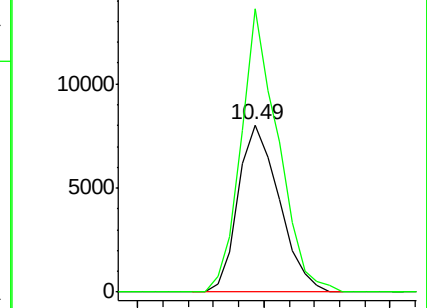
92 100

91 169.5 133.3 199.9



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: 13.60 min Scan# 1237

Delta R.T. 0.06 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

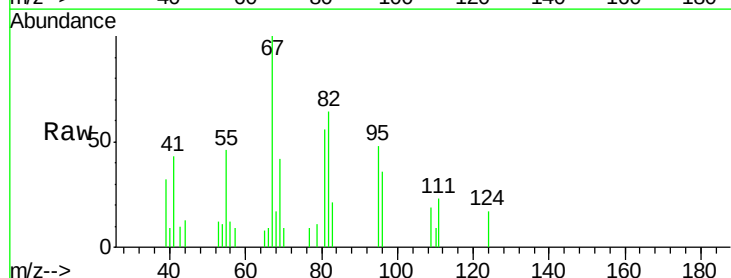
Tgt Ion: 95 Resp: 2982

Ion Ratio Lower Upper

95 100

174 0.0 0.0 178.0

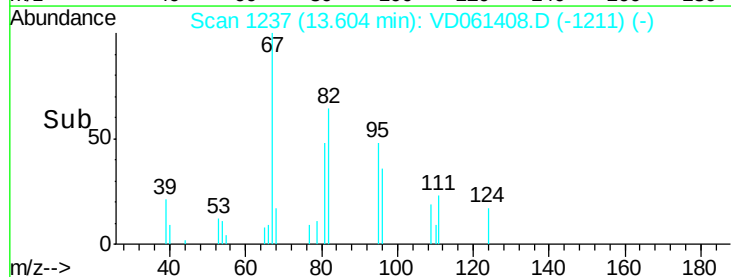
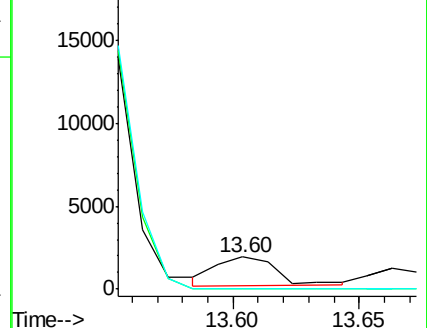
176 0.0 0.0 175.0

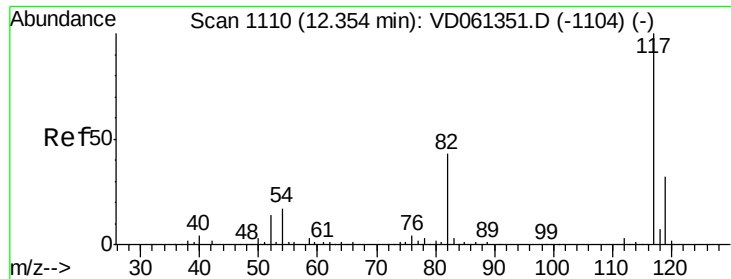


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

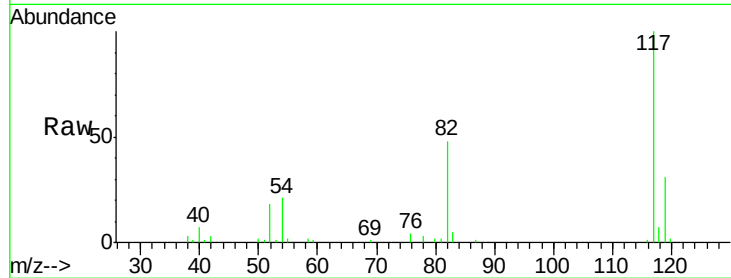




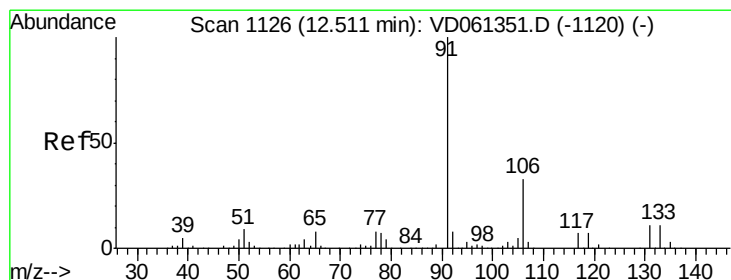
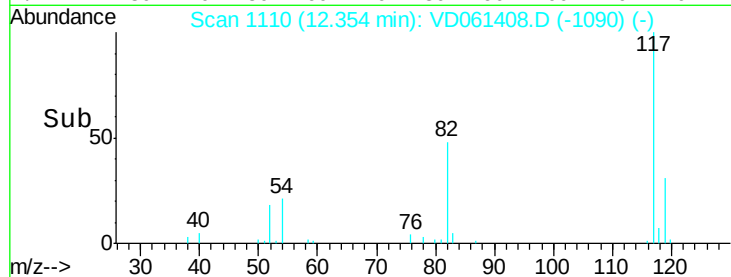
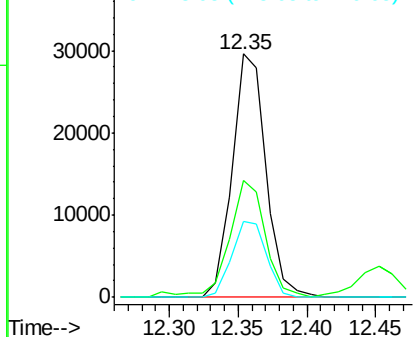
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001

Tot Ion:117 Resp: 50240
Ion Ratio Lower Upper
117 100
82 48.3 34.4 51.6
119 31.2 25.8 38.6

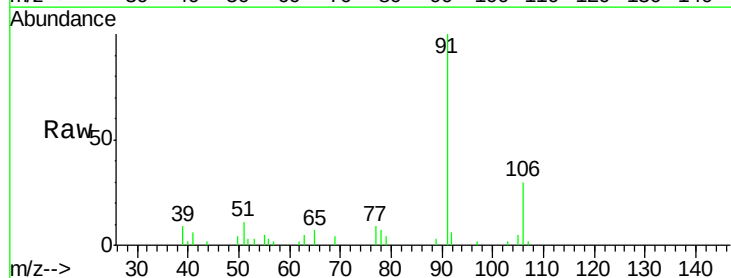


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

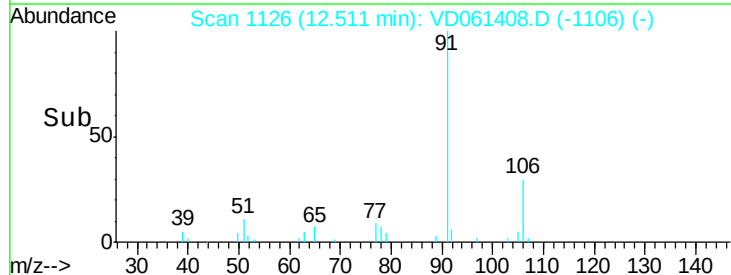
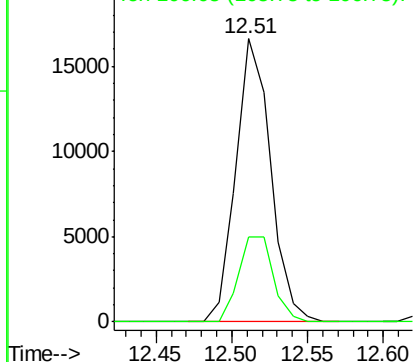


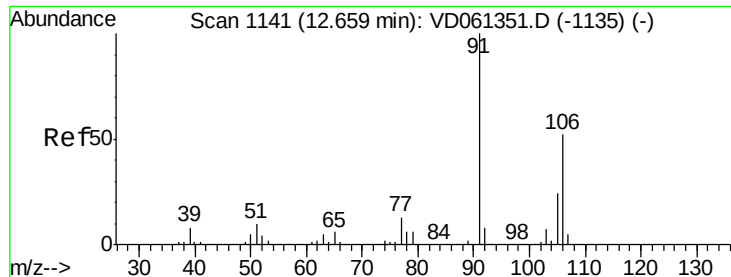
#67
Ethyl Benzene
Concen: 16.927 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

Tgt Ion: 91 Resp: 26528
Ion Ratio Lower Upper
91 100
106 29.9 26.1 39.1



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

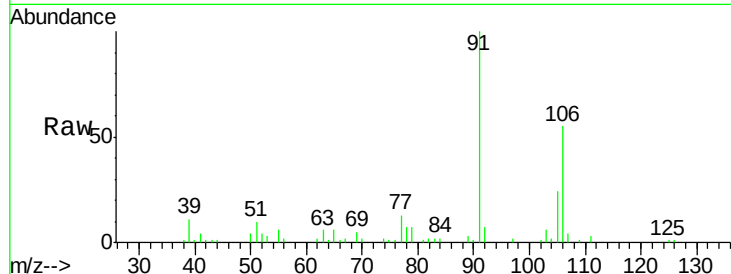




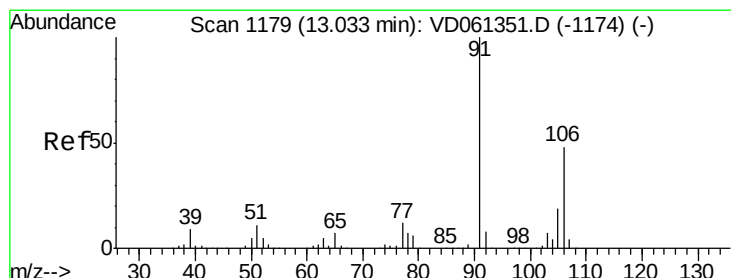
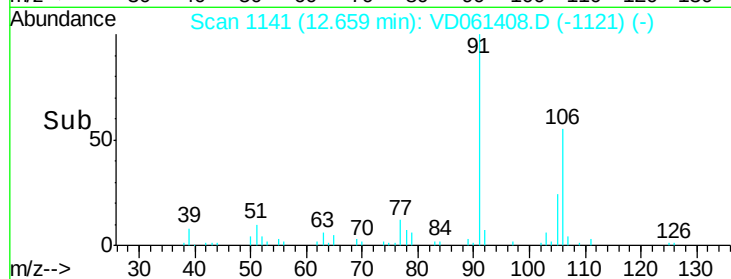
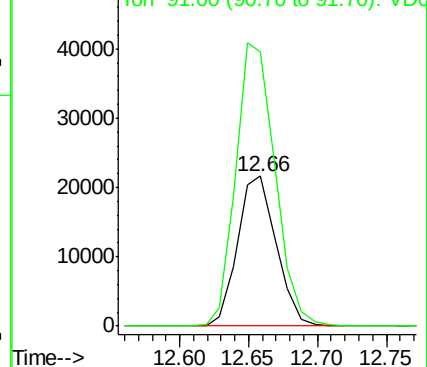
#68
m/p-Xylenes
Concen: 71.484 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001

Tot Ion:106 Resp: 42437
Ion Ratio Lower Upper
106 100
91 183.1 153.1 229.7

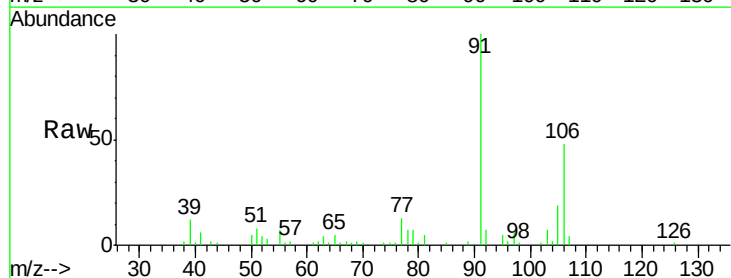


Abundance Ion 106.05 (105.75 to 106.75): V

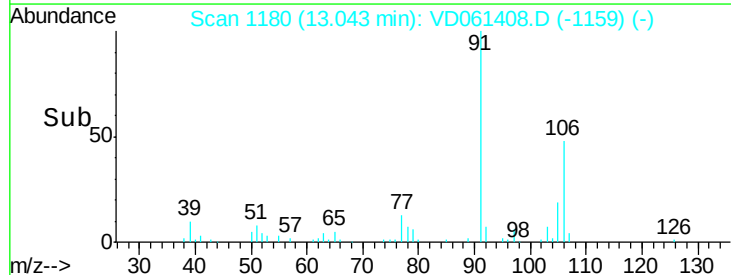
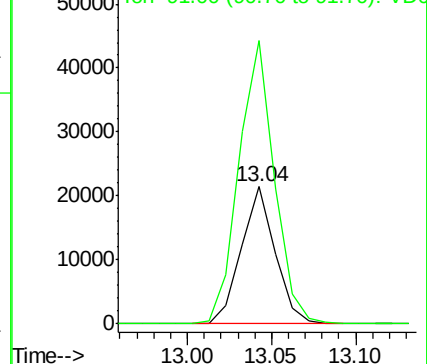


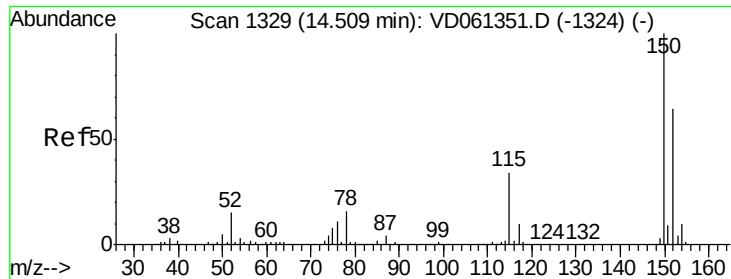
#69
o-Xylene
Concen: 51.740 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

Tgt Ion:106 Resp: 29807
Ion Ratio Lower Upper
106 100
91 206.7 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V

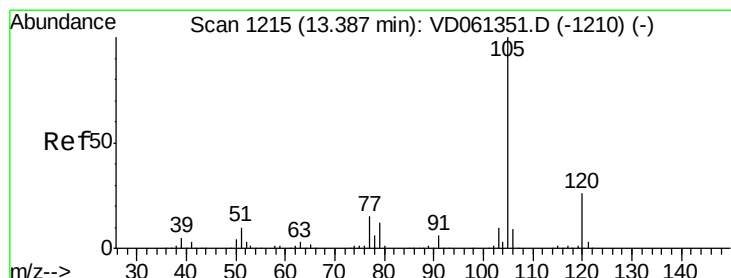
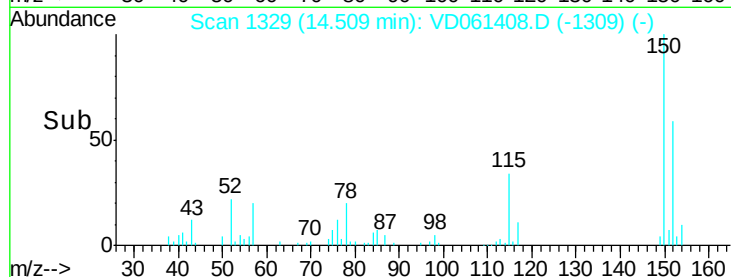
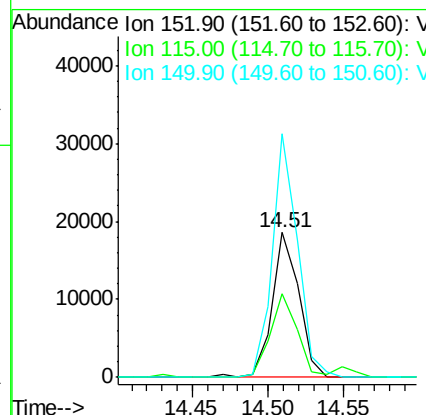
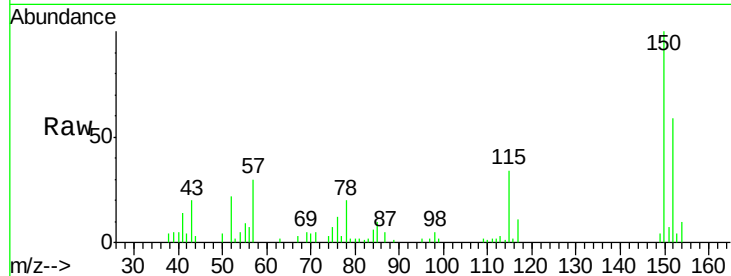




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VD061408.D
 Acq: 28 Mar 2019 23:14

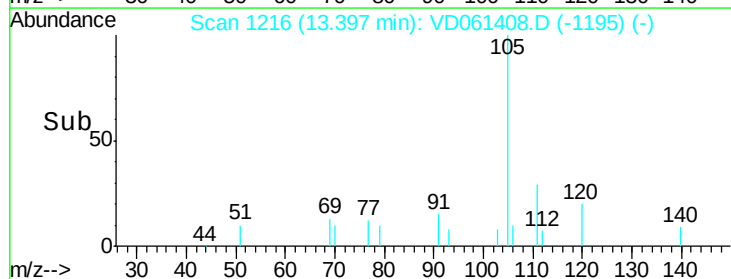
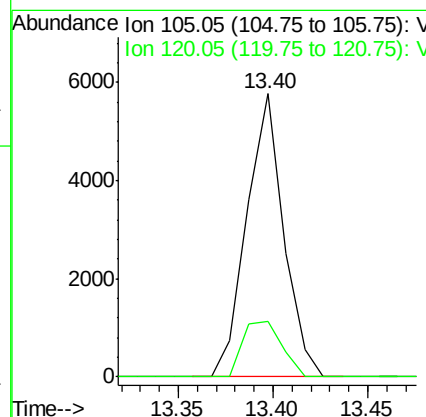
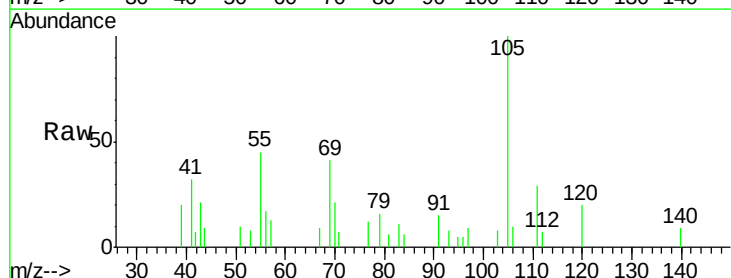
Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001

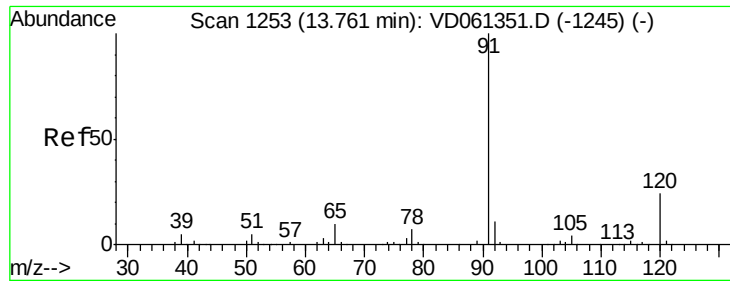
Tot Ion:152 Resp: 23012
 Ion Ratio Lower Upper
 152 100
 115 57.4 26.9 80.6
 150 168.1 0.0 318.0



#73
 Isopropylbenzene
 Concen: 4.858 ug/l
 RT: 13.40 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD061408.D
 Acq: 28 Mar 2019 23:14

Tgt Ion:105 Resp: 7781
 Ion Ratio Lower Upper
 105 100
 120 19.8 12.8 38.3





#78

n-propylbenzene

Concen: 8.009 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061408.D

Acq: 28 Mar 2019 23:14

Instrument :

MSVOA_D

ClientSampleId :

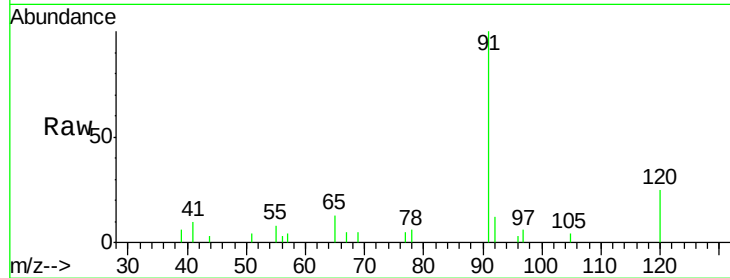
DR-WC-001

Tot Ion: 91 Resp: 15698

Ion Ratio Lower Upper

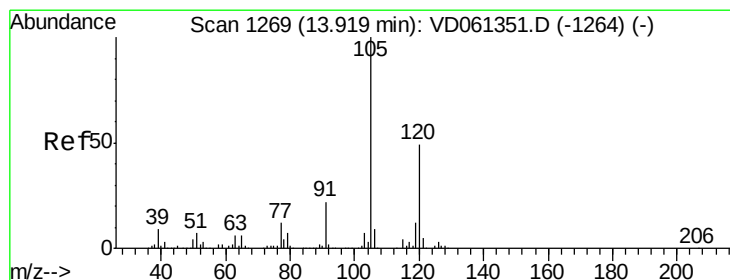
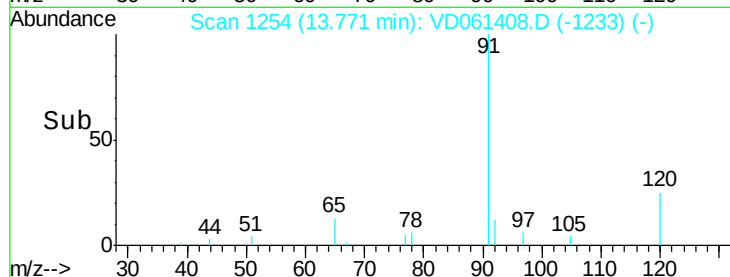
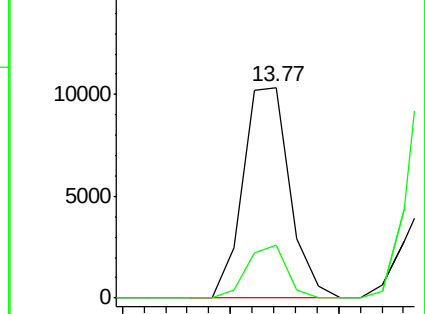
91 100

120 25.0 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: 28.902 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061408.D

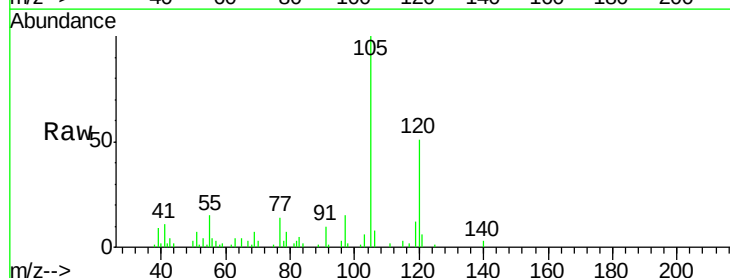
Acq: 28 Mar 2019 23:14

Tgt Ion: 105 Resp: 35916

Ion Ratio Lower Upper

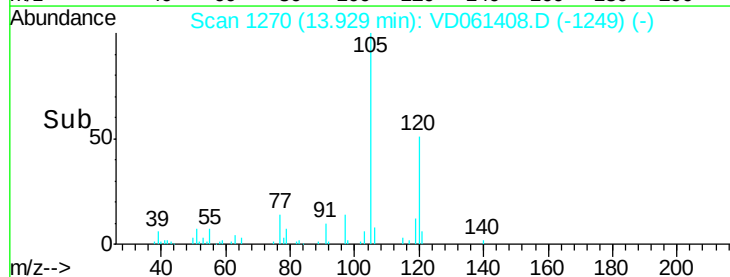
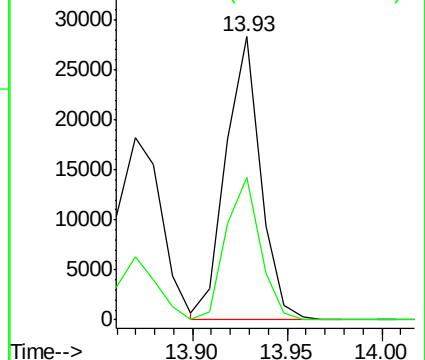
105 100

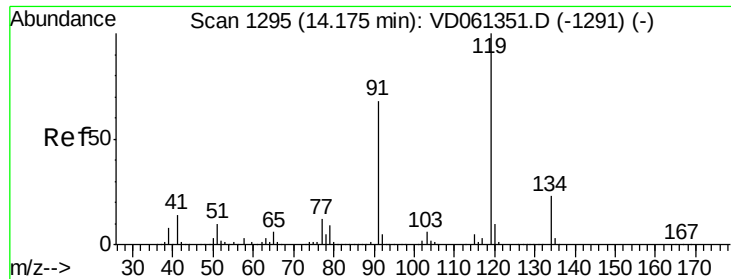
120 50.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

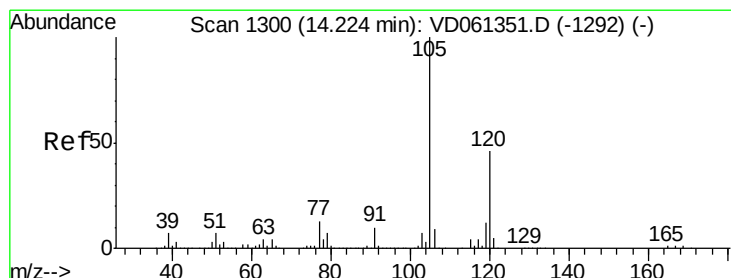
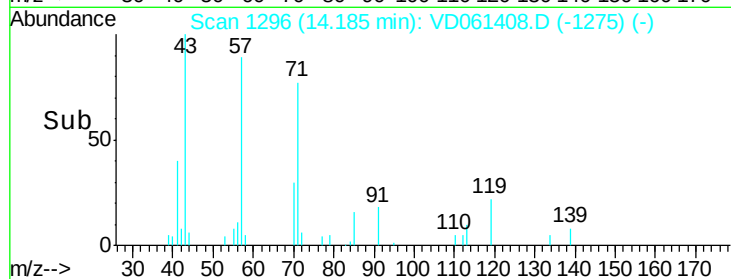
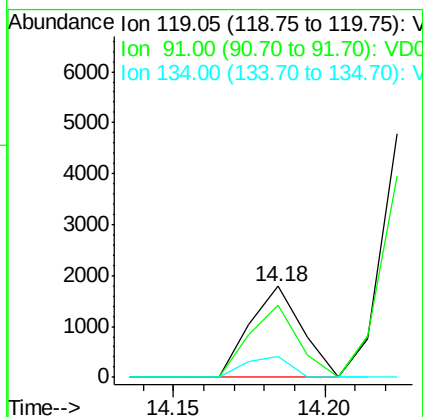
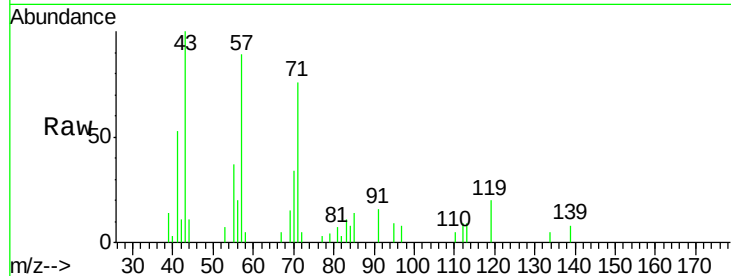




#83
tert-Butylbenzene
Concen: 1.371 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

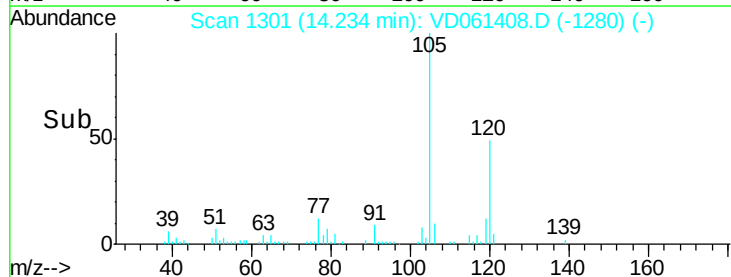
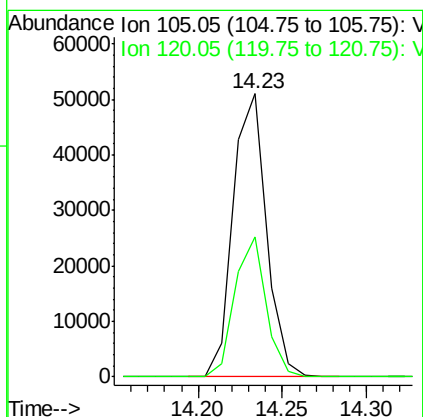
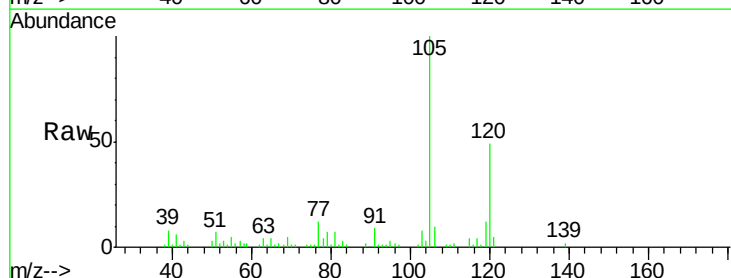
Instrument :
MSVOA_D
ClientSampleId :
DR-WC-001

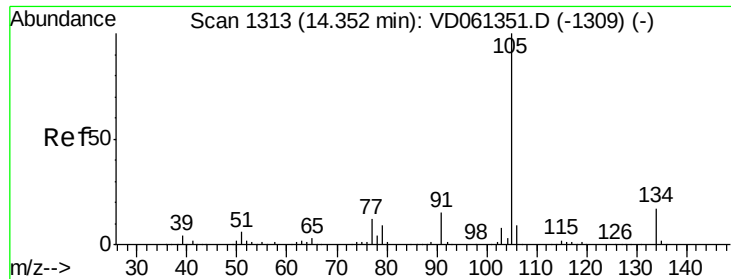
Tot Ion:119 Resp: 2129
Ion Ratio Lower Upper
119 100
91 79.0 34.1 102.3
134 23.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 52.159 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061408.D
Acq: 28 Mar 2019 23:14

Tgt Ion:105 Resp: 70172
Ion Ratio Lower Upper
105 100
120 49.3 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 4.976 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: VD061408.D
 Acq: 28 Mar 2019 23:14

Instrument :
 MSVOA_D
 ClientSampleId :
 DR-WC-001

Tot Ion:105 Resp: 8210
 Ion Ratio Lower Upper
 105 100
 134 21.4 8.7 26.1

