

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061371.D
 Acq On : 28 Mar 2019 1:47
 Operator : VA/AP
 Sample : K1693-13RE
 Misc : 6.16g/5ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-032519-ARE

Quant Time: Mar 28 05:47:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	20082	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.19	114	47130	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.34	117	39716	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	17013	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	18383	107.16	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	214.32%	
35) Dibromofluoromethane	6.89	113	21881	60.75	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	121.50%	
50) Toluene-d8	10.38	98	31071	35.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.94%	
62) 4-Bromofluorobenzene	13.53	95	17037	51.43	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	102.86%	

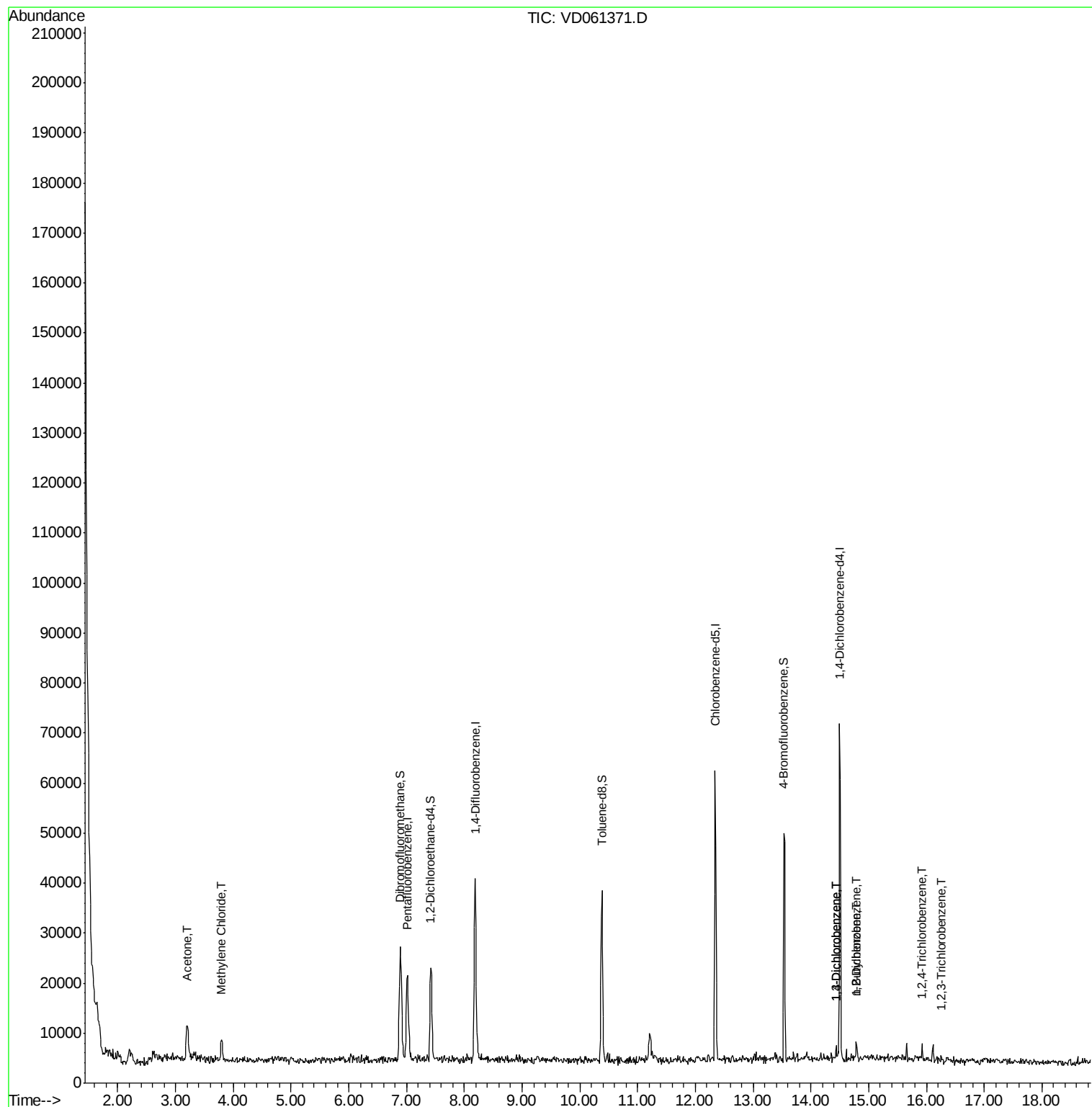
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	13874	314.608	ug/l	99
20) Methylene Chloride	3.80	84	2696	9.352	ug/l #	84
87) 1,3-Dichlorobenzene	14.44	146	1237	2.081	ug/l	91
88) 1,4-Dichlorobenzene	14.44	146	1237	2.134	ug/l	91
89) n-Butylbenzene	14.78	91	1217	1.286	ug/l	85
91) 1,2-Dichlorobenzene	14.79	146	955	1.959	ug/l	87
93) 1,2,4-Trichlorobenzene	15.93	180	1130	5.088	ug/l	93
96) 1,2,3-Trichlorobenzene	16.25	180	658	6.732	ug/l #	75

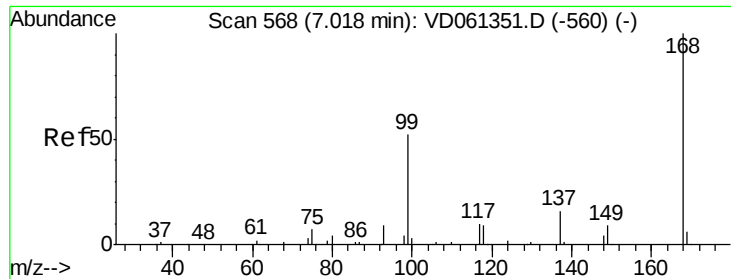
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 02:13:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.01 min Scan# 567

Delta R.T. -0.01 min

Lab File: VD061371.D

Acq: 28 Mar 2019 1:47

Instrument :

MSVOA_D

ClientSampleId :

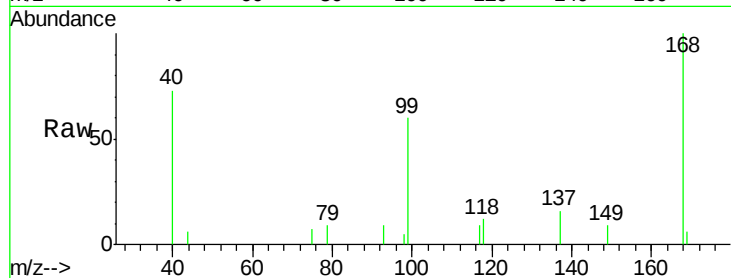
OR-01-032519-ARE

Tgt Ion:168 Resp: 20082

Ion Ratio Lower Upper

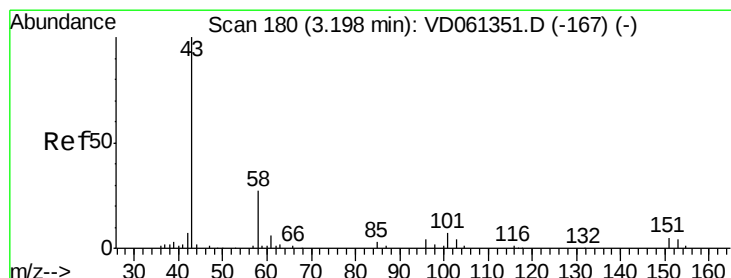
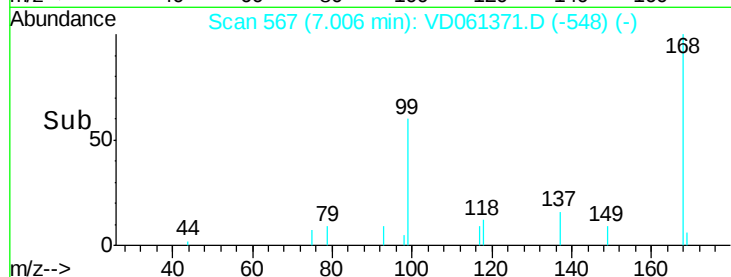
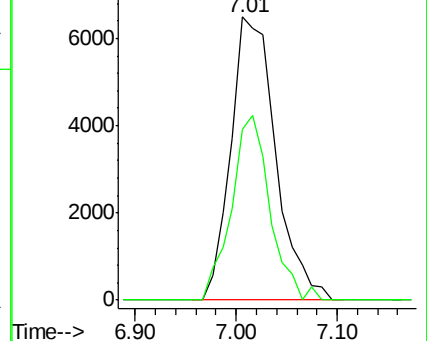
168 100

99 60.4 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: 314.608 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD061371.D

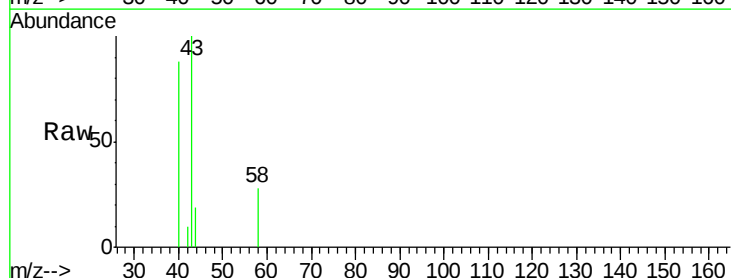
Acq: 28 Mar 2019 1:47

Tgt Ion: 43 Resp: 13874

Ion Ratio Lower Upper

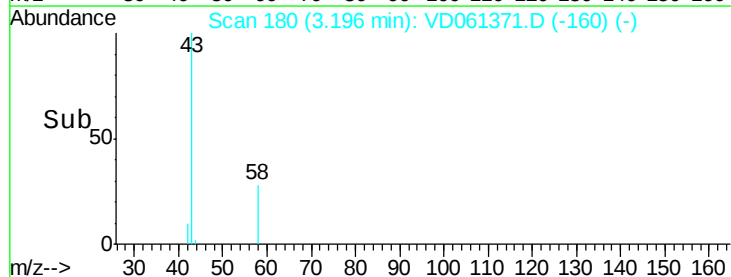
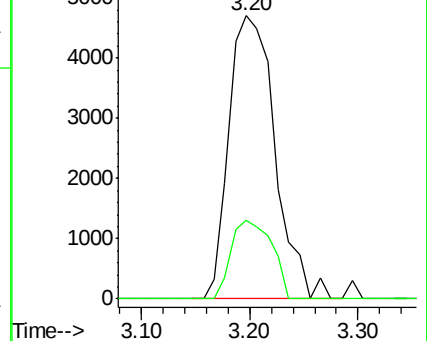
43 100

58 27.6 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: 9.352 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD061371.D

Acq: 28 Mar 2019 1:47

Instrument :

MSVOA_D

ClientSampleId :

OR-01-032519-ARE

Tgt Ion: 84 Resp: 2696

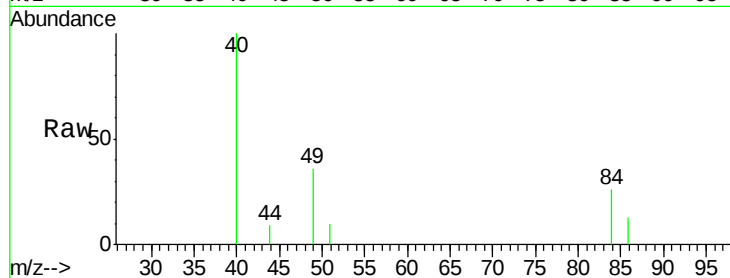
Ion Ratio Lower Upper

84 100

49 135.3 91.8 137.8

51 38.6 29.8 44.8

86 49.6 51.8 77.6#

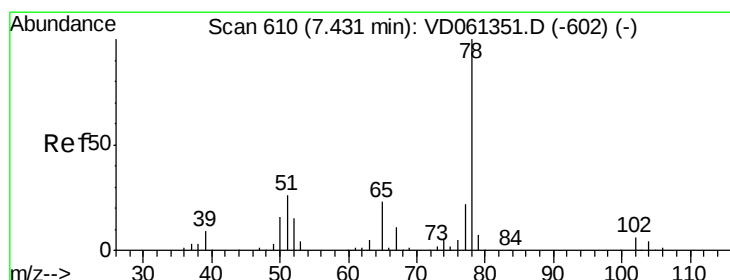
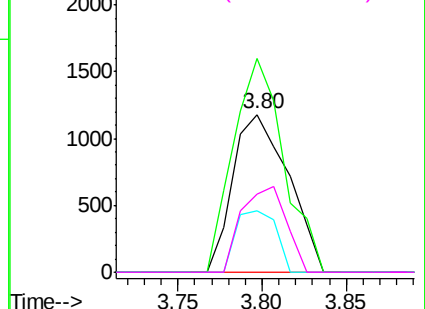
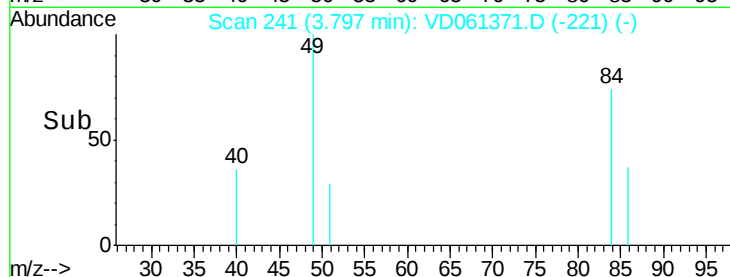


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.42 min Scan# 609

Delta R.T. -0.01 min

Lab File: VD061371.D

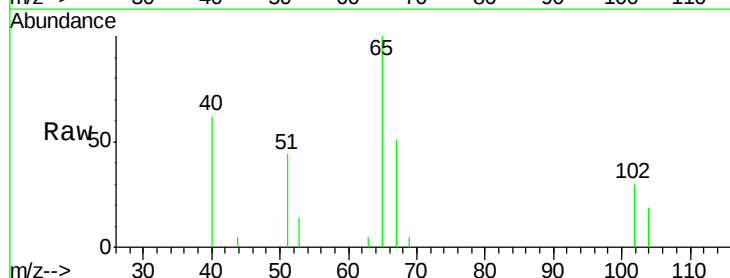
Acq: 28 Mar 2019 1:47

Tgt Ion: 65 Resp: 18383

Ion Ratio Lower Upper

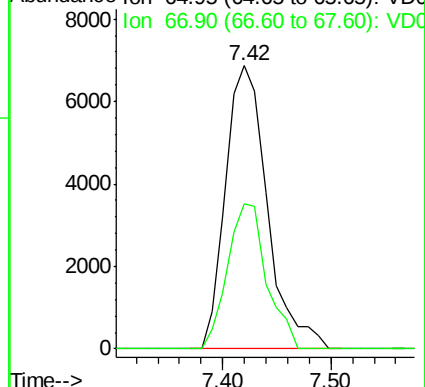
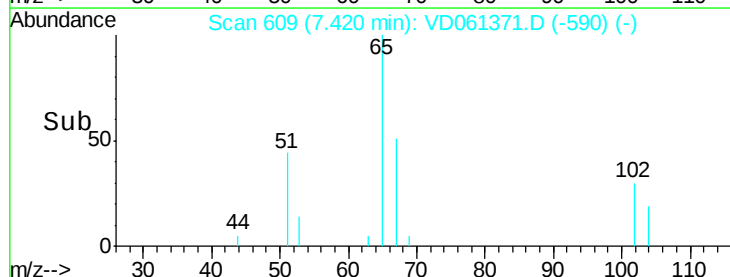
65 100

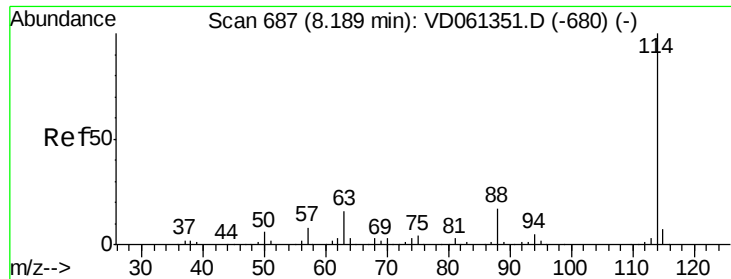
67 51.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

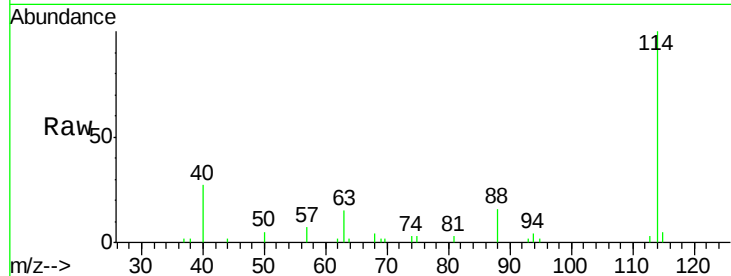




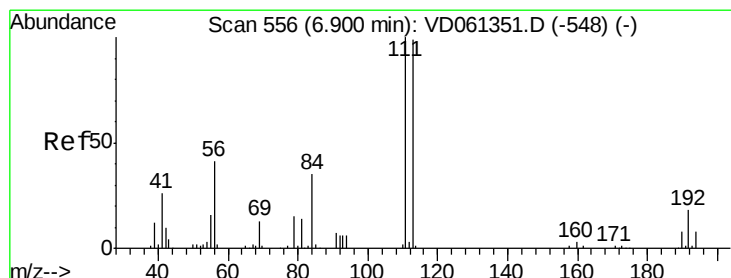
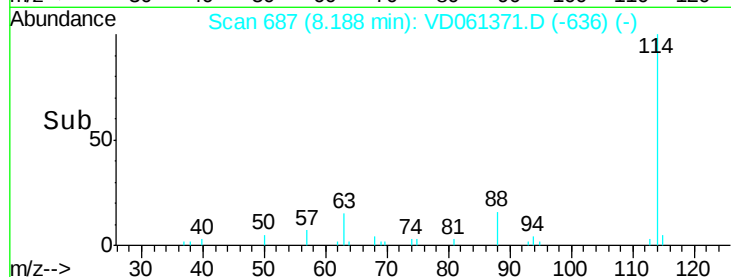
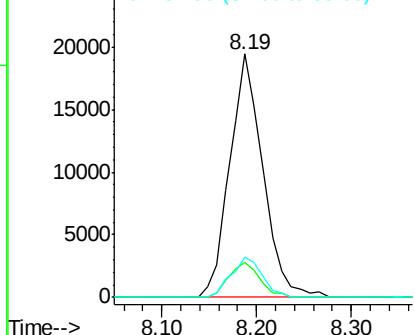
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-032519-ARE

Tgt Ion:114 Resp: 47130
 Ion Ratio Lower Upper
 114 100
 63 14.6 0.0 31.6
 88 16.3 0.0 33.4

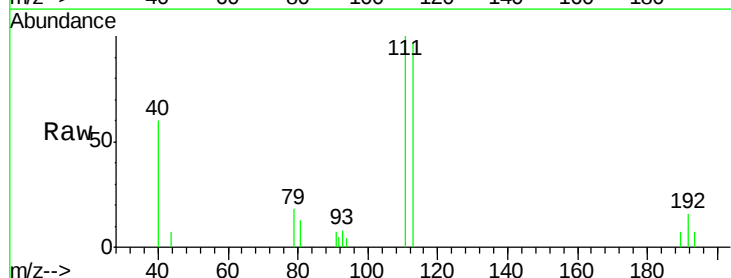


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

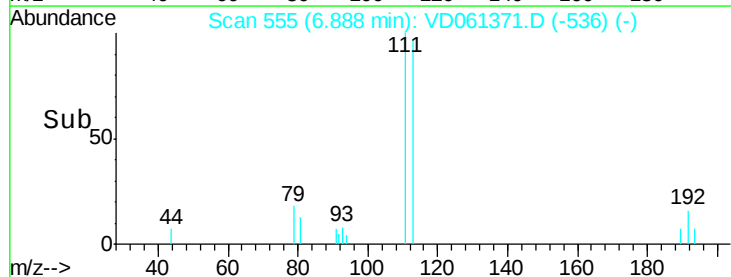
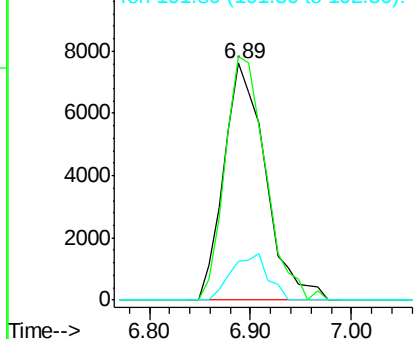


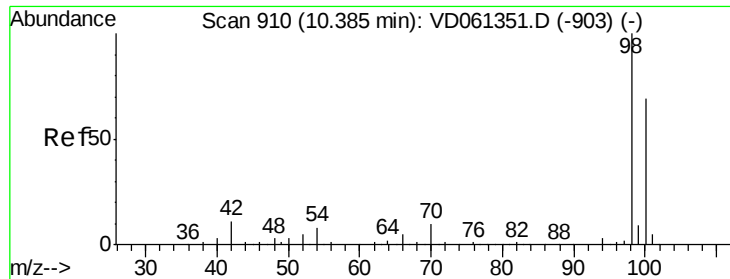
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

Tgt Ion:113 Resp: 21881
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.6
 192 16.2 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

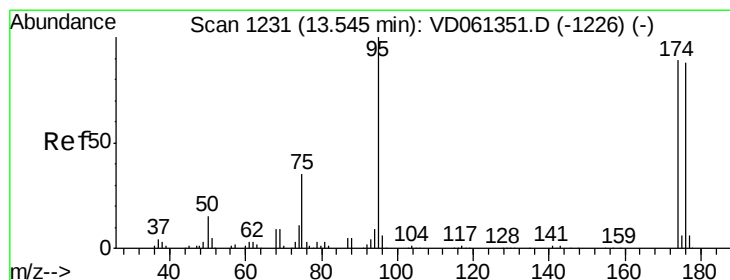
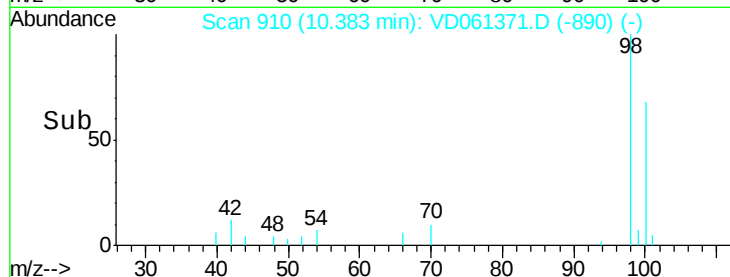
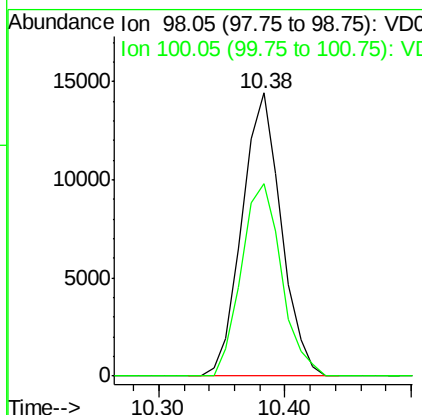
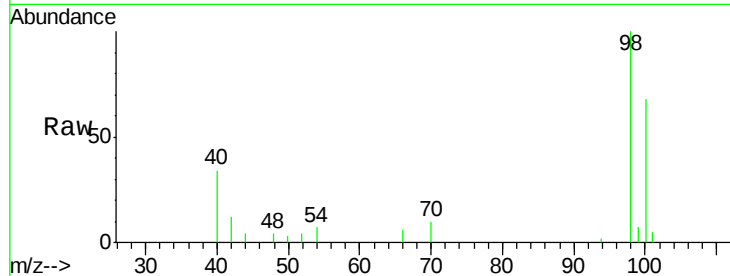




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD061371.D
Acq: 28 Mar 2019 1:47

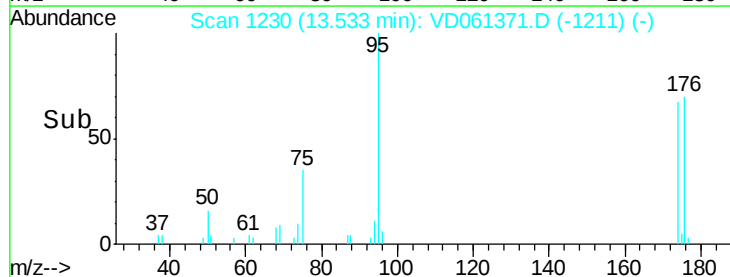
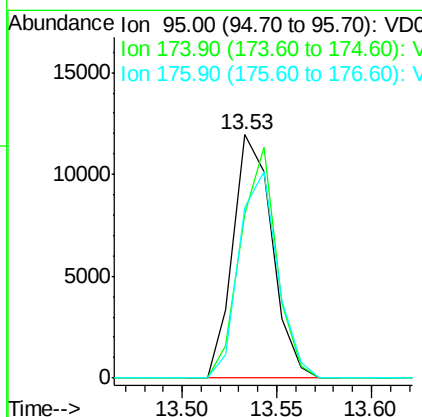
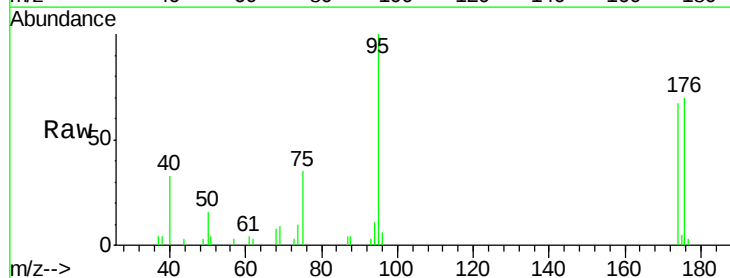
Instrument :
MSVOA_D
ClientSampleId :
OR-01-032519-ARE

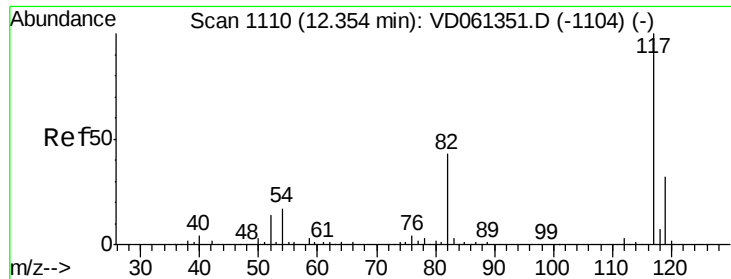
Tgt Ion: 98 Resp: 31071
Ion Ratio Lower Upper
98 100
100 68.2 56.2 84.2



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.53 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD061371.D
Acq: 28 Mar 2019 1:47

Tgt Ion: 95 Resp: 17037
Ion Ratio Lower Upper
95 100
174 67.2 0.0 178.0
176 70.1 0.0 175.0

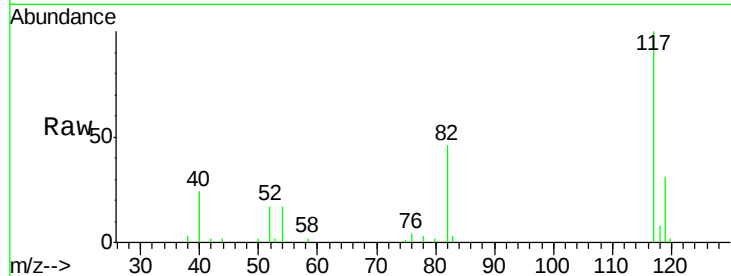




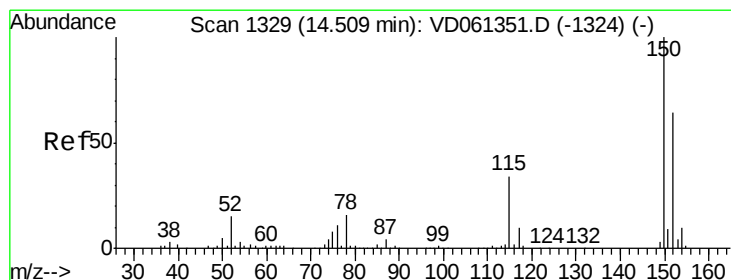
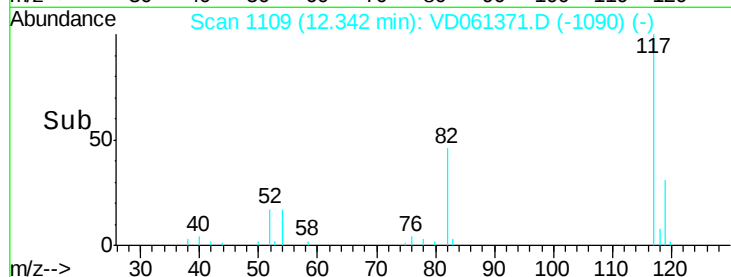
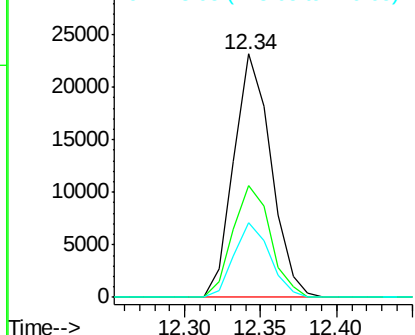
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061371.D
Acq: 28 Mar 2019 1:47

Instrument :
MSVOA_D
ClientSampleId :
OR-01-032519-ARE

Tgt Ion:117 Resp: 39716
Ion Ratio Lower Upper
117 100
82 45.9 34.4 51.6
119 30.9 25.8 38.6

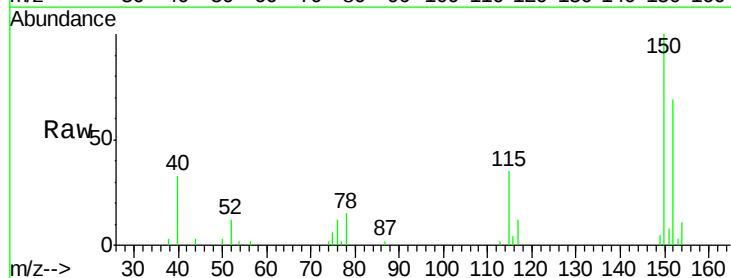


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

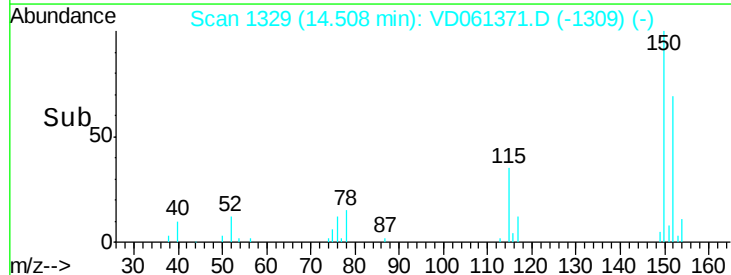
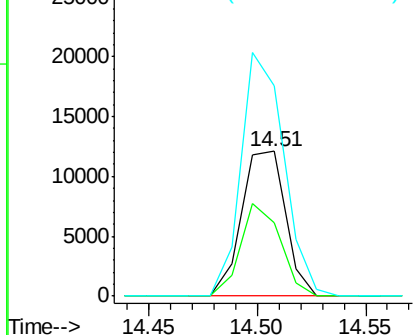


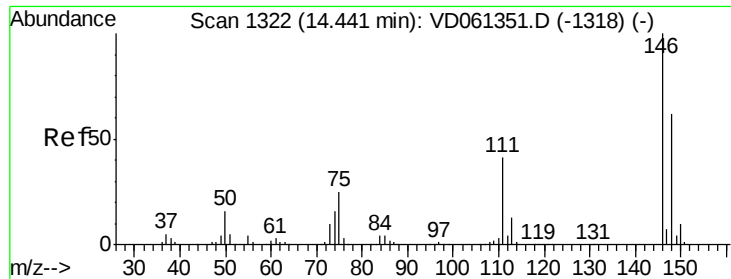
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061371.D
Acq: 28 Mar 2019 1:47

Tgt Ion:152 Resp: 17013
Ion Ratio Lower Upper
152 100
115 56.0 26.9 80.6
150 146.0 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

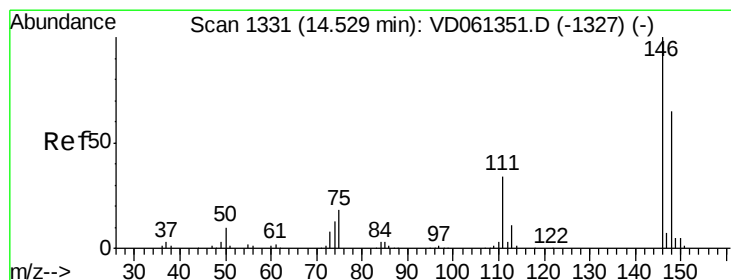
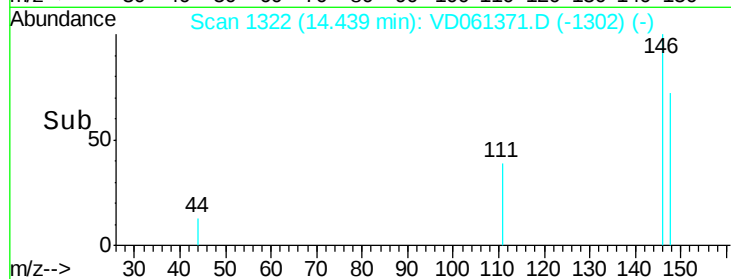
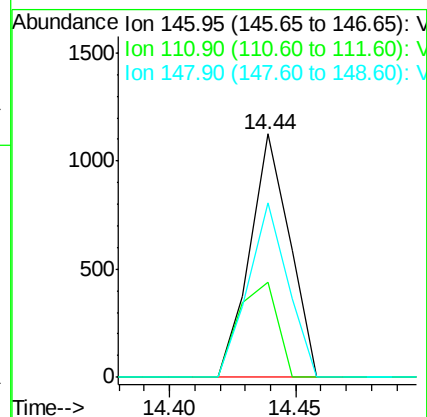
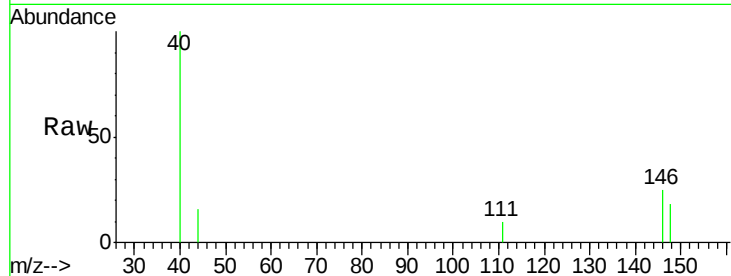




#87
 1,3-Dichlorobenzene
 Concen: 2.081 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

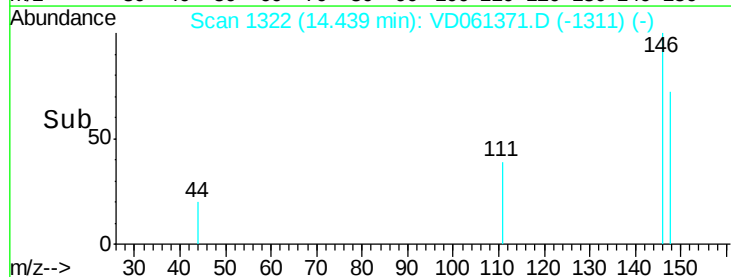
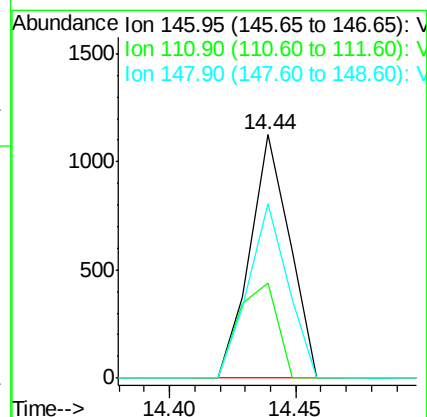
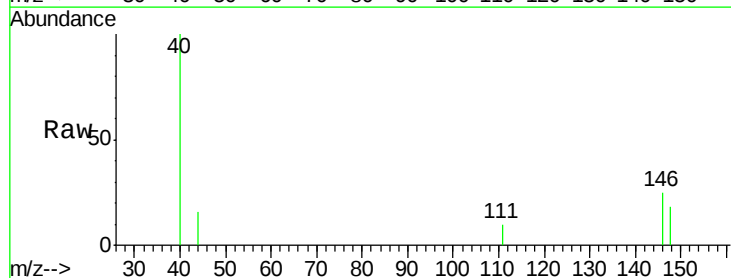
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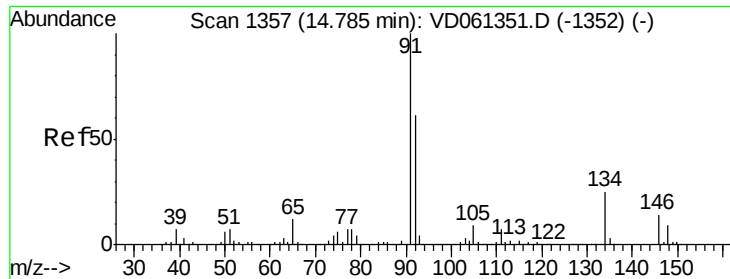
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.6	61.9
148	71.8	31.1	93.3



#88
 1,4-Dichlorobenzene
 Concen: 2.134 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.09 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	16.8	50.4
148	71.8	32.6	98.0





#89

n-Butylbenzene

Concen: 1.286 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VD061371.D

Acq: 28 Mar 2019 1:47

Instrument :

MSVOA_D

ClientSampleId :

OR-01-032519-ARE

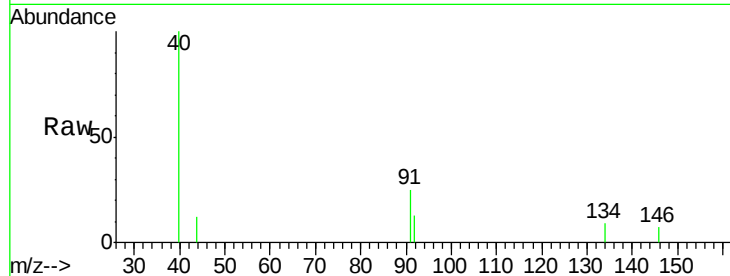
Tgt Ion: 91 Resp: 1217

Ion Ratio Lower Upper

91 100

92 52.0 30.3 91.0

134 36.1 12.4 37.0

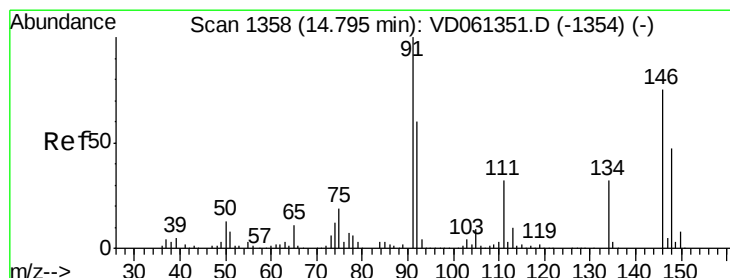
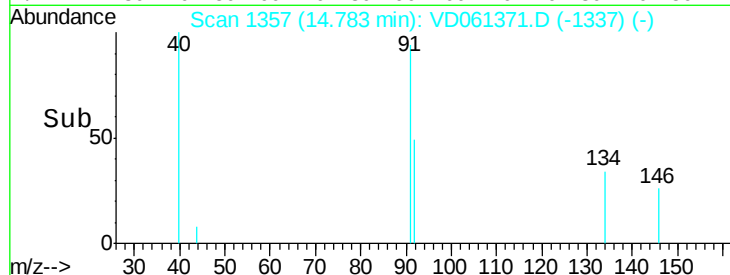


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

Time-->



#91

1,2-Dichlorobenzene

Concen: 1.959 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061371.D

Acq: 28 Mar 2019 1:47

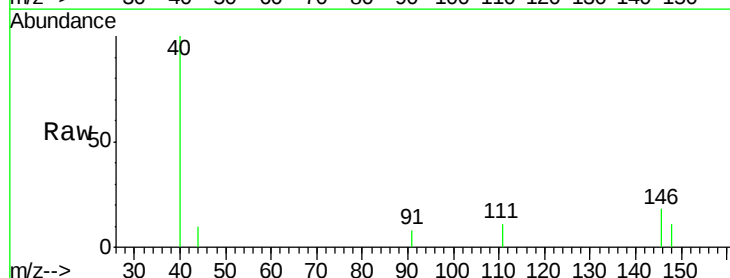
Tgt Ion: 146 Resp: 955

Ion Ratio Lower Upper

146 100

111 62.5 21.2 63.6

148 63.4 31.6 95.0

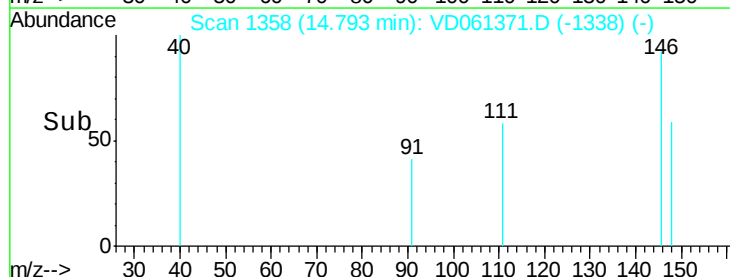


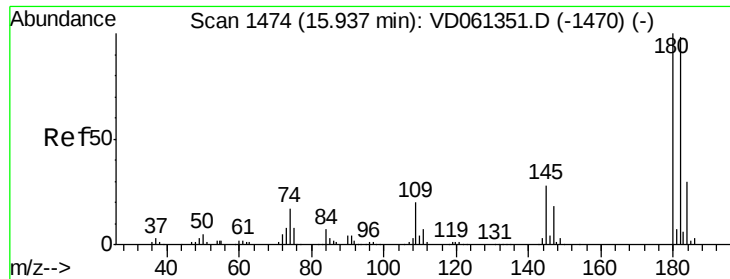
Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->

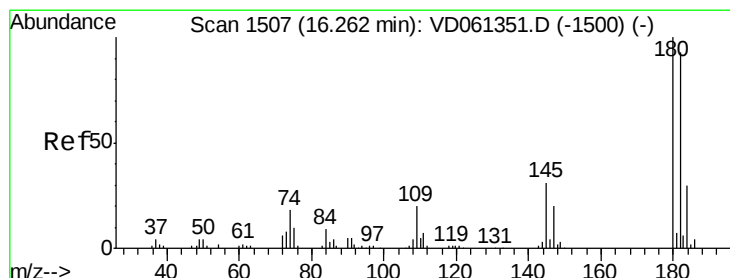
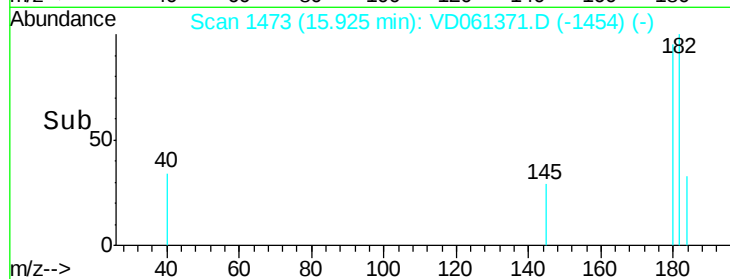
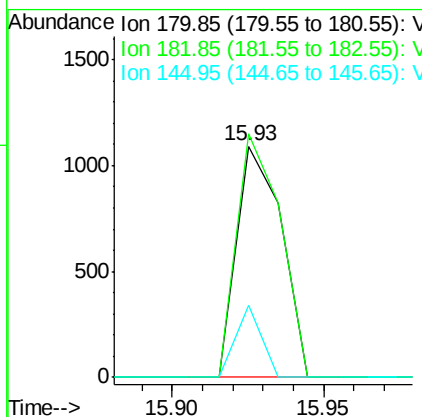
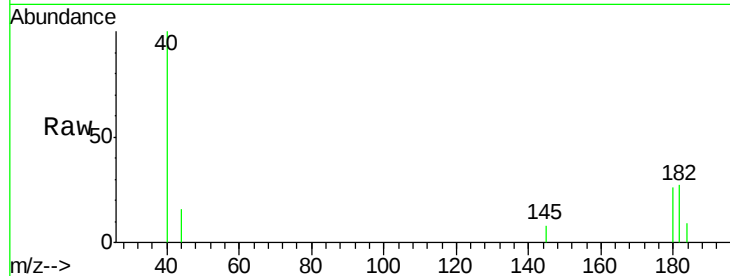




#93
 1,2,4-Trichlorobenzene
 Concen: 5.088 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-01-032519-ARE

Tgt Ion:180 Resp: 1130
 Ion Ratio Lower Upper
 180 100
 182 105.4 48.9 146.8
 145 31.0 14.1 42.3



#96
 1,2,3-Trichlorobenzene
 Concen: 6.732 ug/l
 RT: 16.25 min Scan# 1506
 Delta R.T. -0.01 min
 Lab File: VD061371.D
 Acq: 28 Mar 2019 1:47

Tgt Ion:180 Resp: 658
 Ion Ratio Lower Upper
 180 100
 182 78.8 46.4 139.1
 145 0.0 15.3 45.9#

