

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063741.D
 Acq On : 22 Aug 2019 18:47
 Operator : JC/SY
 Sample : K4403-09RE
 Misc : 5.77g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-H4(2.5)RE

Quant Time: Aug 23 07:28:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

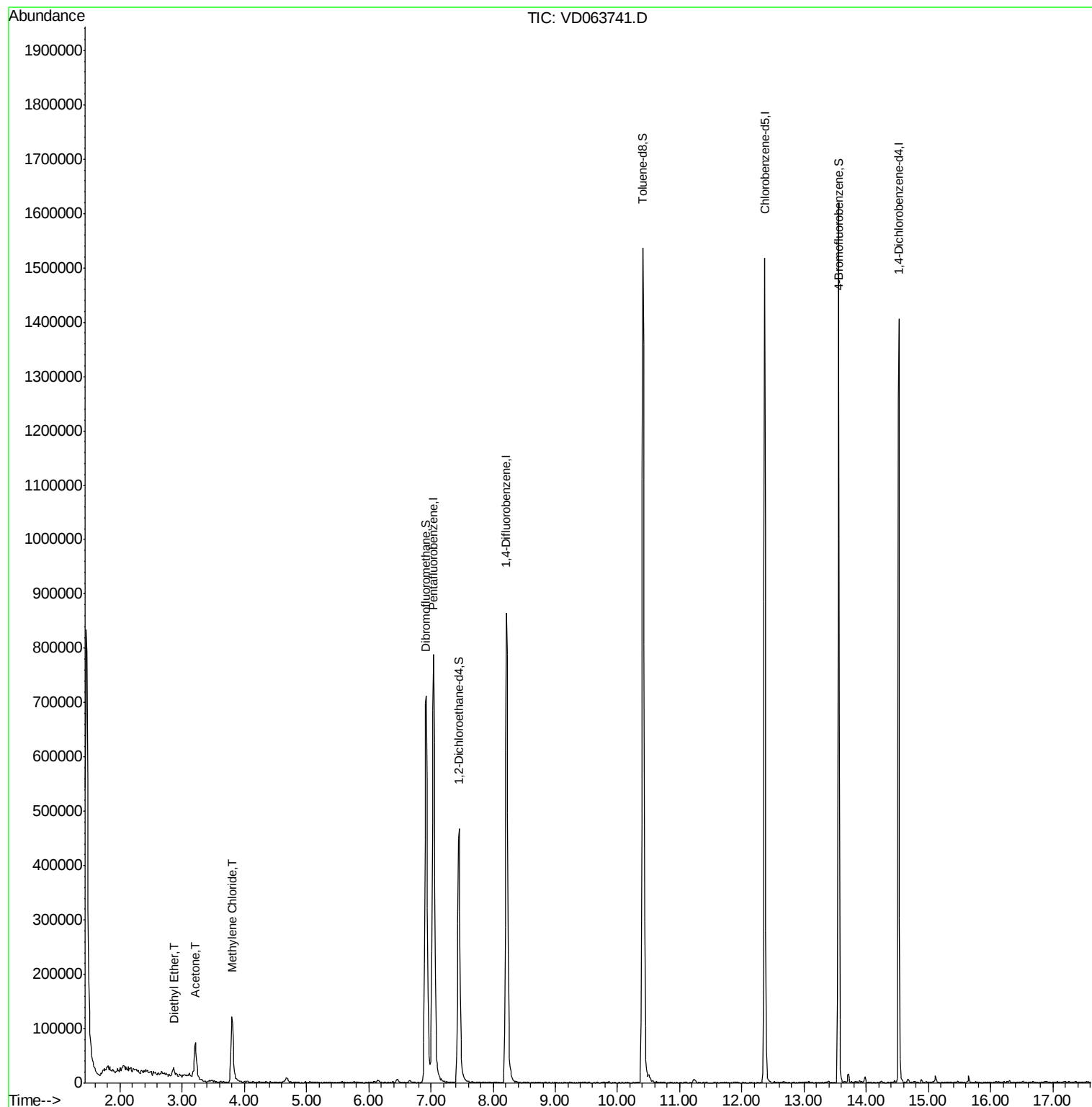
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	757654	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	921259	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	777871	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	333108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	526308	64.99	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	129.98%	
35) Dibromofluoromethane	6.92	113	632759	81.55	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	163.10%	
50) Toluene-d8	10.41	98	1296912	76.03	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	152.06%	
62) 4-Bromofluorobenzene	13.56	95	424077	54.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.70%	
Target Compounds						
8) Diethyl Ether	2.87	74	6359	3.230	ug/l	88
16) Acetone	3.21	43	145534	88.400	ug/l	96
20) Methylene Chloride	3.81	84	74061	10.403	ug/l	92

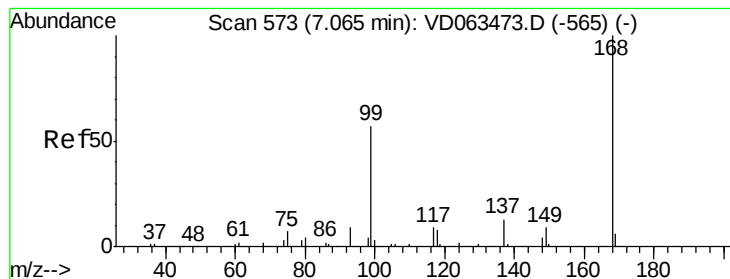
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 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: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

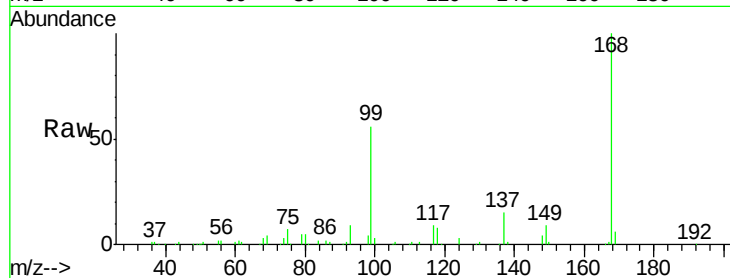
T1-H4-(2.5)RE

Tot Ion:168 Resp: 757654

Ion Ratio Lower Upper

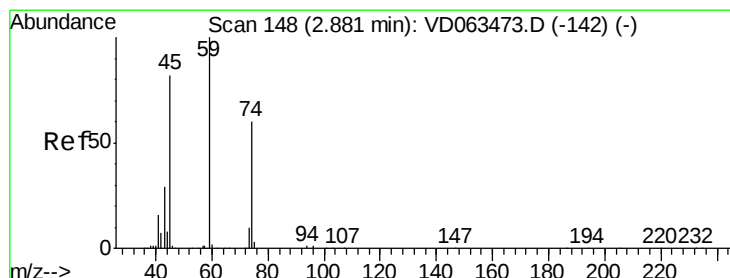
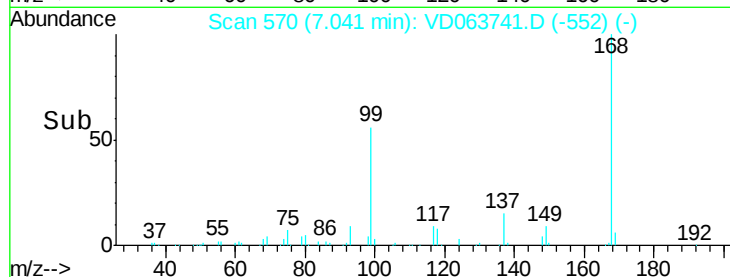
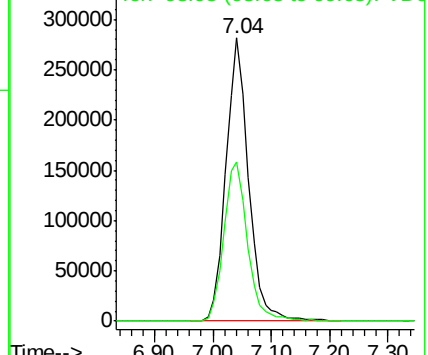
168 100

99 56.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.230 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063741.D

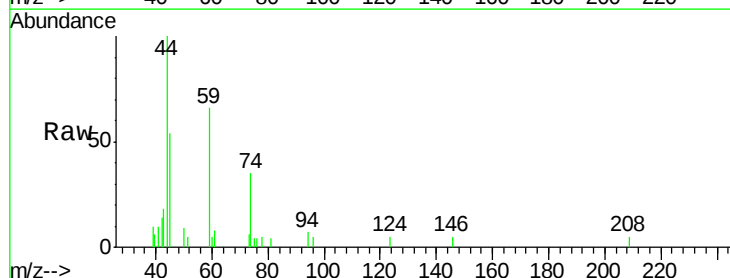
Acq: 22 Aug 2019 18:47

Tgt Ion: 74 Resp: 6359

Ion Ratio Lower Upper

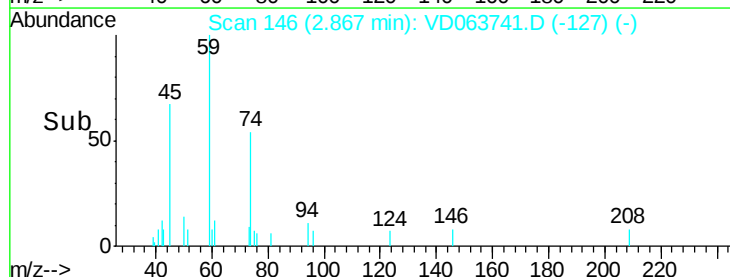
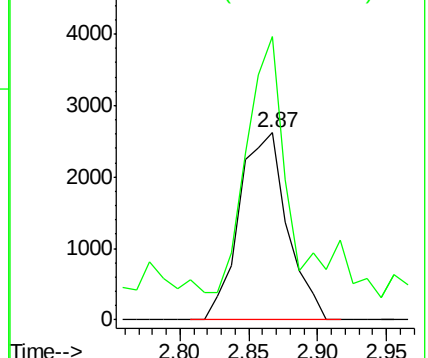
74 100

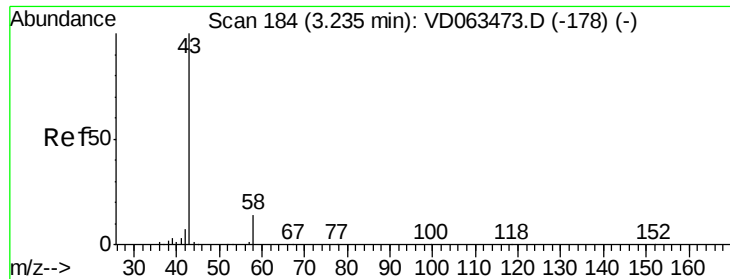
45 151.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 88.400 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

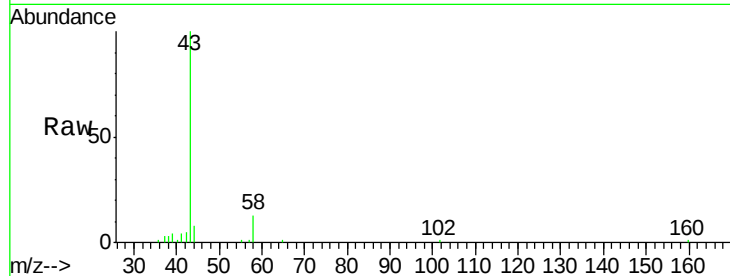
T1-H4-(2.5)RE

Tot Ion: 43 Resp: 145534

Ion Ratio Lower Upper

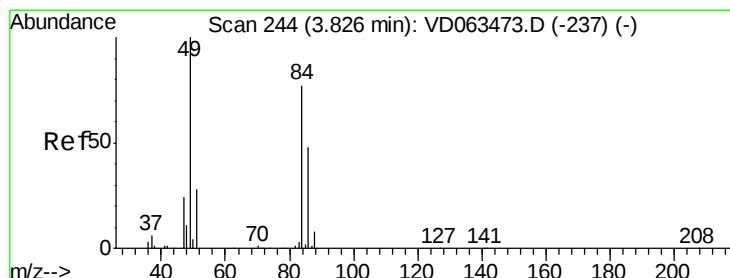
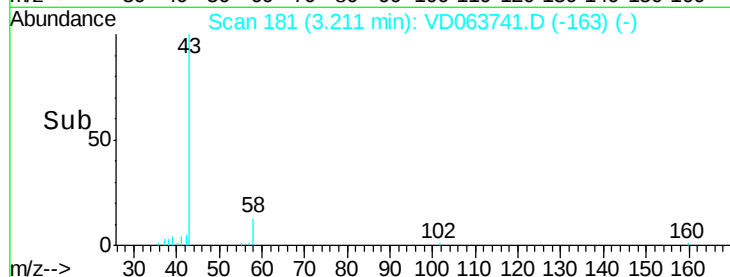
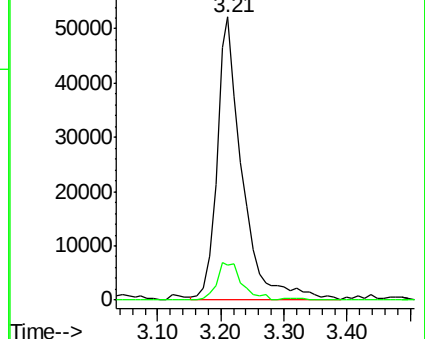
43 100

58 12.6 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.403 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Tgt Ion: 84 Resp: 74061

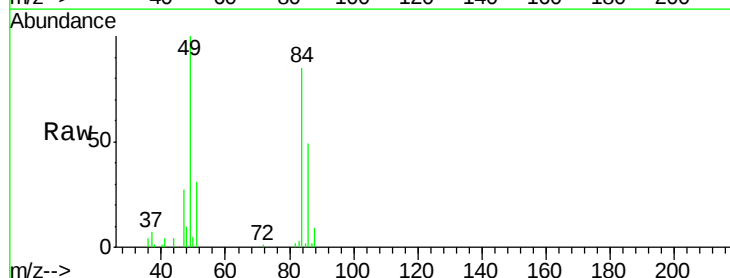
Ion Ratio Lower Upper

84 100

49 117.7 103.4 155.2

51 36.8 28.5 42.7

86 57.4 49.4 74.2

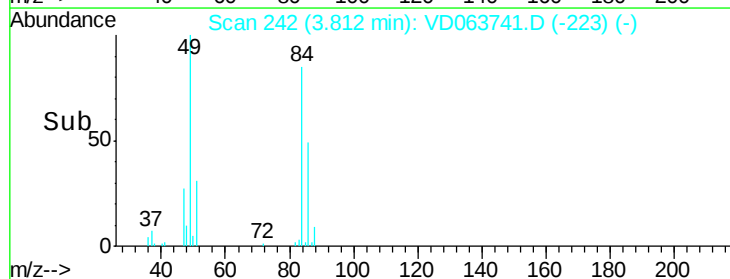
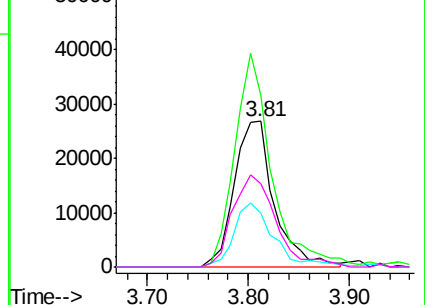


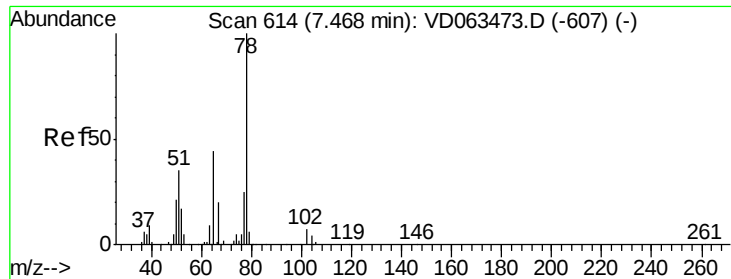
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

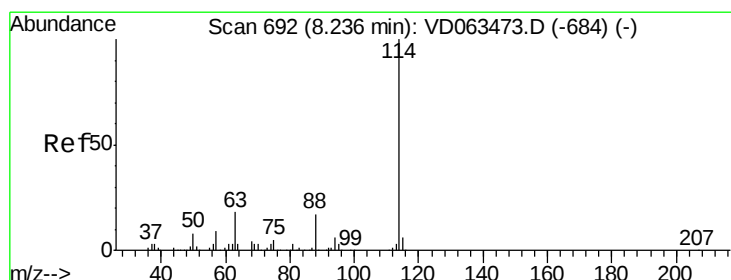
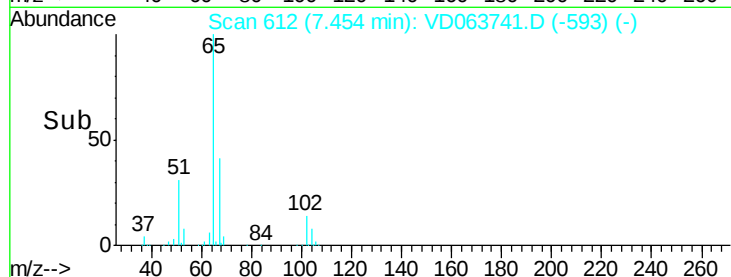
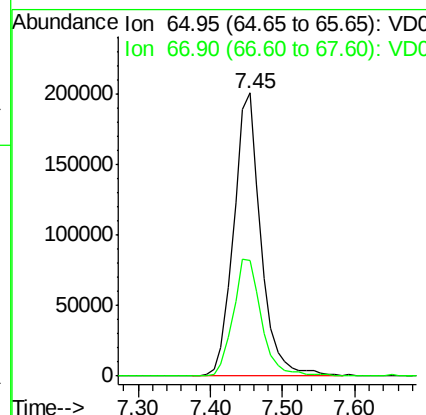
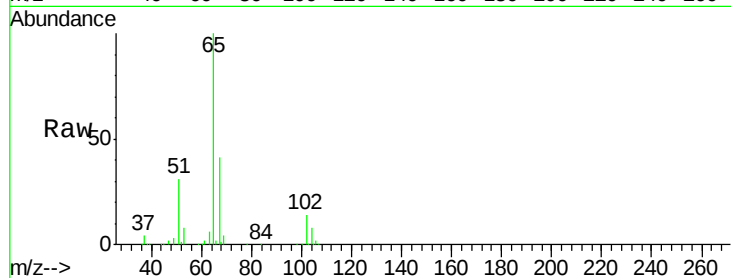




#33
 1,2-Dichloroethane-d4
 Concen: 64.986 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

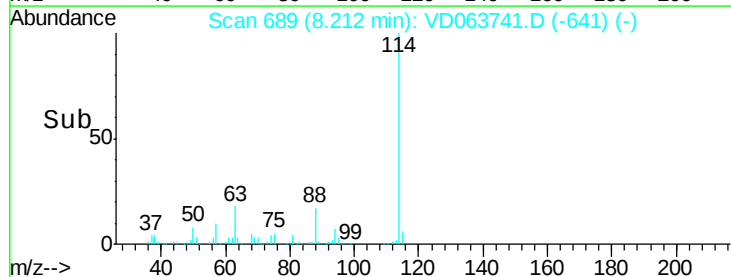
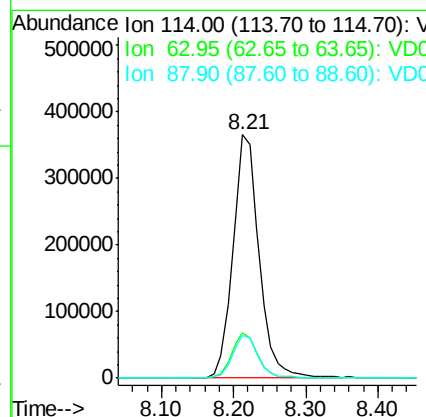
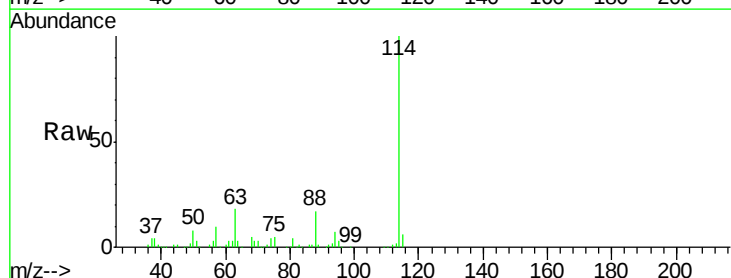
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-H4(2.5)RE

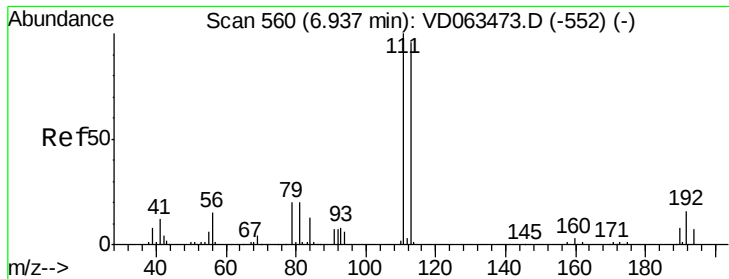
Tot Ion: 65 Resp: 526308
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD063741.D
 Acq: 22 Aug 2019 18:47

Tgt Ion: 114 Resp: 921259
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 17.3 0.0 35.0





#35

Dibromofluoromethane

Concen: 81.553 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

T1-H4(2.5)RE

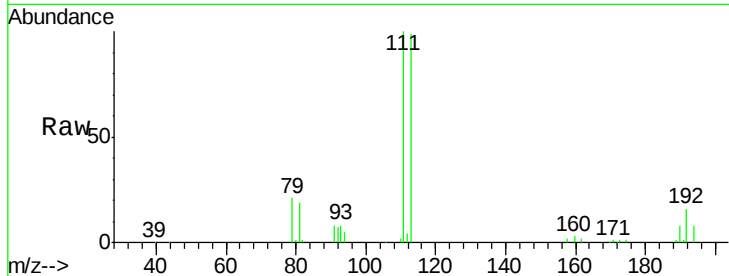
Tot Ion:113 Resp: 632759

Ion Ratio Lower Upper

113 100

111 100.8 83.1 124.7

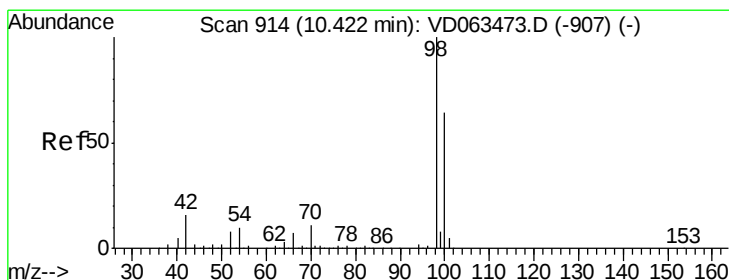
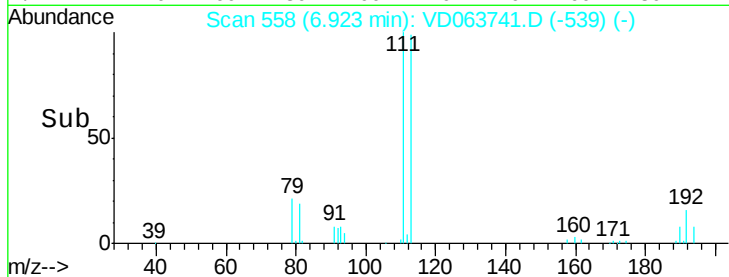
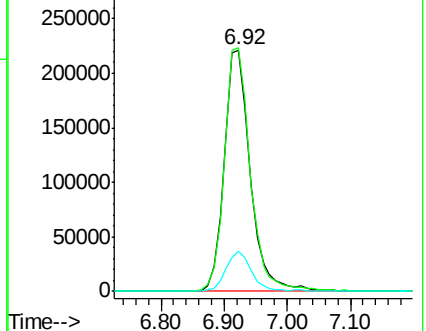
192 16.4 13.1 19.7



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: 76.028 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063741.D

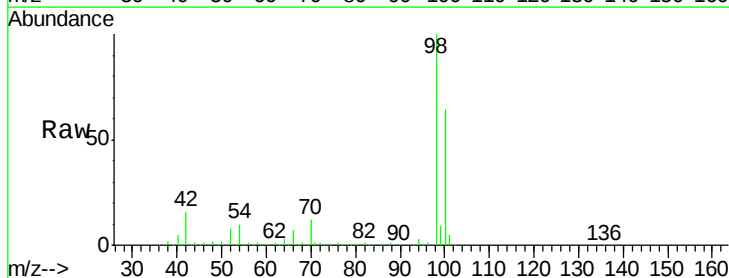
Acq: 22 Aug 2019 18:47

Tgt Ion: 98 Resp: 1296912

Ion Ratio Lower Upper

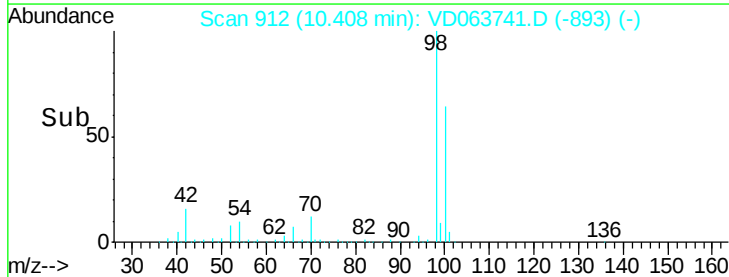
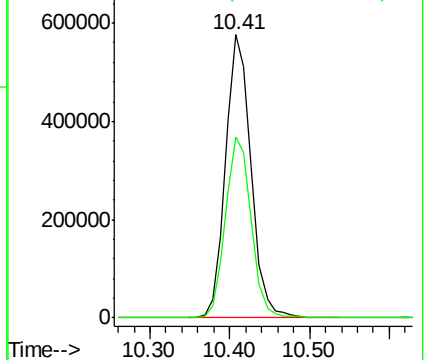
98 100

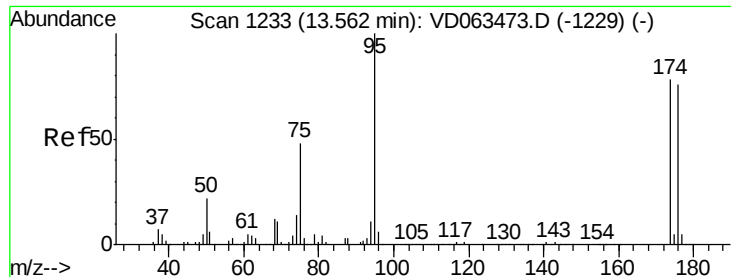
100 64.1 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

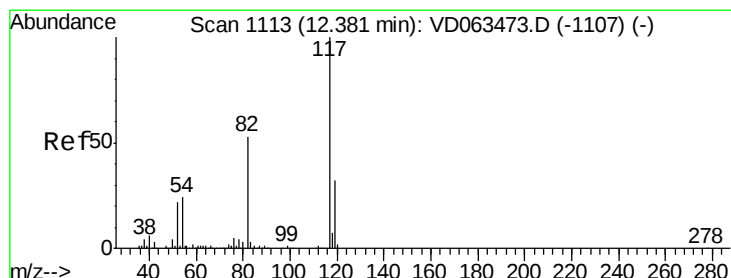
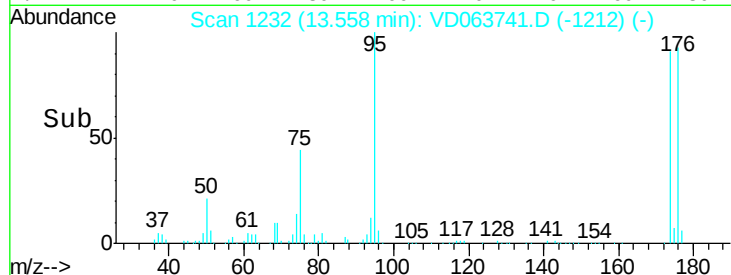
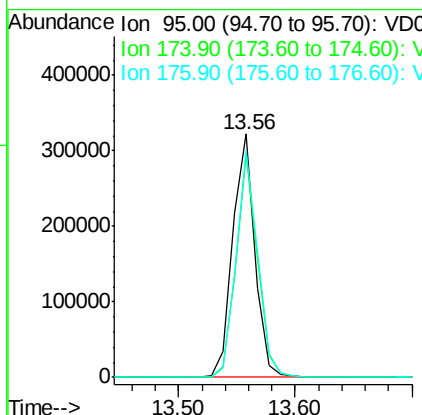
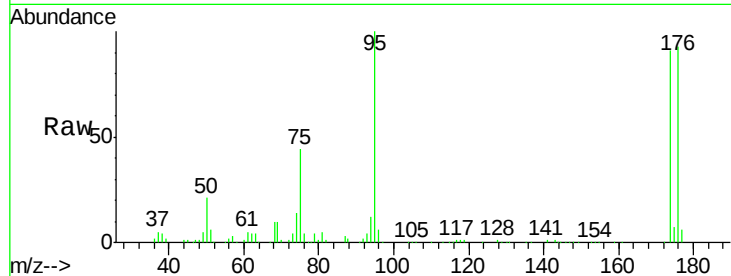




#62
4-Bromofluorobenzene
Concen: 54.850 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

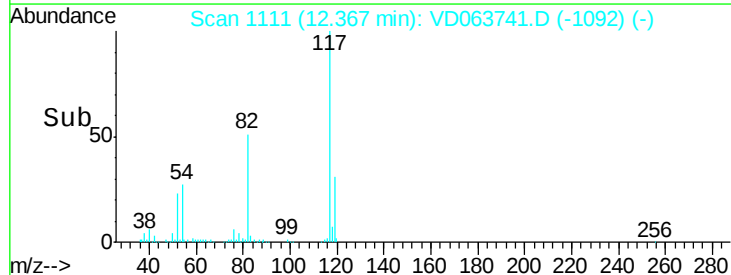
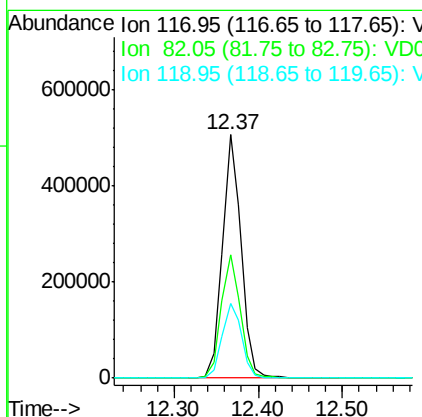
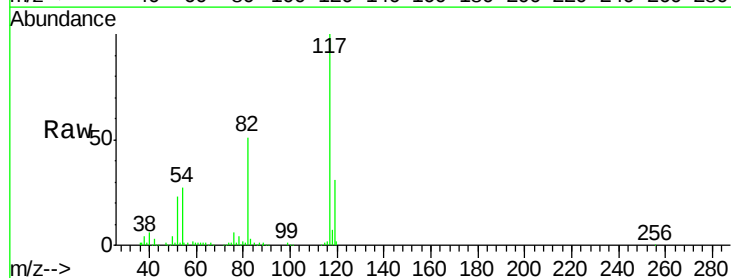
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T1-H4-(2.5)RE

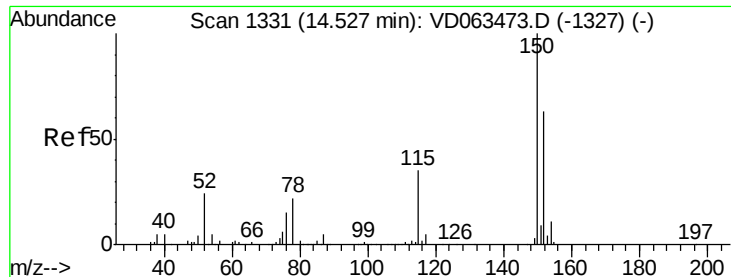
Tot Ion	95	Resp	424077
Ion Ratio	Lower	Upper	
95	100		
174	91.4	0.0	155.4
176	93.2	0.0	152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063741.D
Acq: 22 Aug 2019 18:47

Tgt Ion	117	Resp	777871
Ion Ratio	Lower	Upper	
117	100		
82	50.6	42.0	63.0
119	30.6	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063741.D

Acq: 22 Aug 2019 18:47

Instrument :

MSVOA_D

ClientSampleId :

T1-H4-(2.5)RE

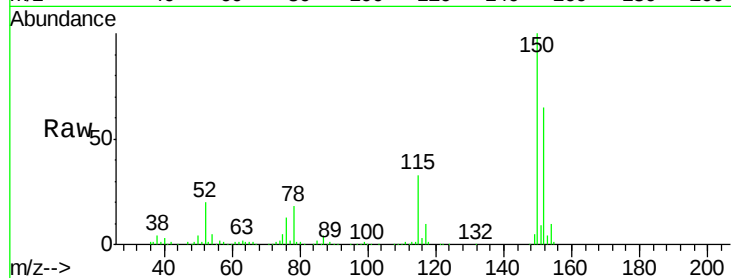
Tot Ion:152 Resp: 333108

Ion Ratio Lower Upper

152 100

115 51.4 30.9 92.7

150 153.5 0.0 318.6



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

