

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032119\
 Data File : VD061246.D
 Acq On : 21 Mar 2019 15:54
 Operator : VA/AP
 Sample : K2004-05
 Misc : 5.74g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 04:31:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

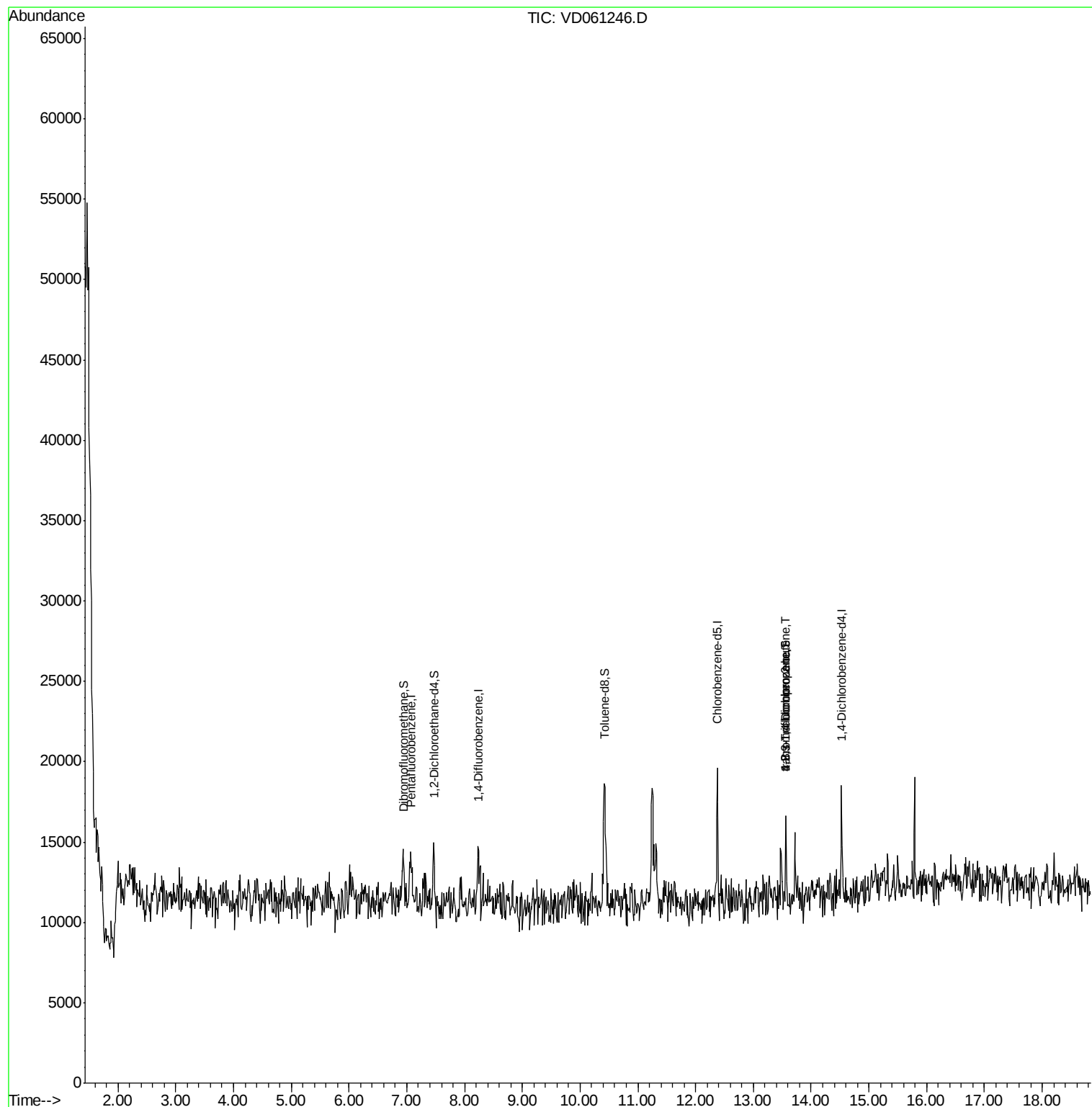
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	4254	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	8394	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	6006	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	1901	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	2774	78.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	156.68%	
35) Dibromofluoromethane	6.95	113	3998	64.18	ug/l	0.03
Spiked Amount 50.000			Recovery	=	128.36%	
50) Toluene-d8	10.42	98	8683	55.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.02%	
62) 4-Bromofluorobenzene	13.56	95	2903	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
Target Compounds						
20) Methylene Chloride	3.82	84	200	Below Cal	#	4
76) 1,2,3-Trichloropropane	13.57	75	776	28.374	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	776	96.240	ug/l #	17

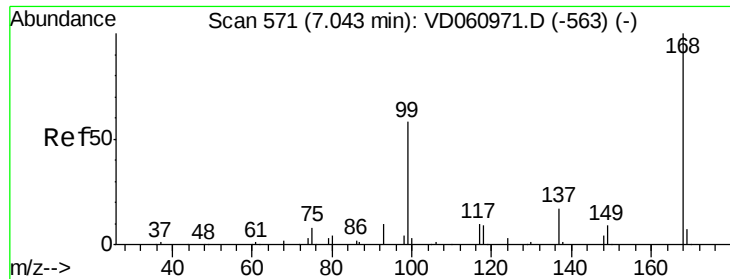
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061246.D

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Instrument :

MSVOA_D

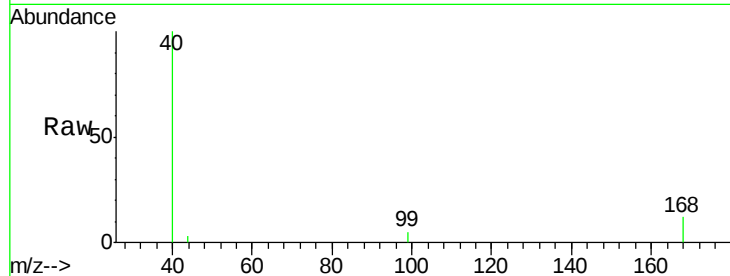
ClientSampleId :

Tot Ion:168 Resp: 4254

Ion Ratio Lower Upper

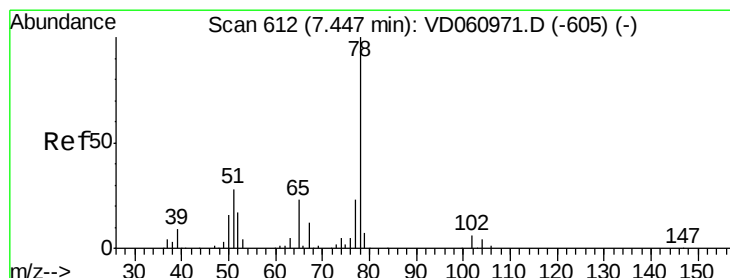
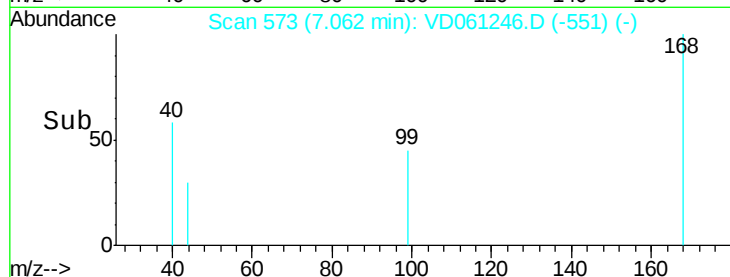
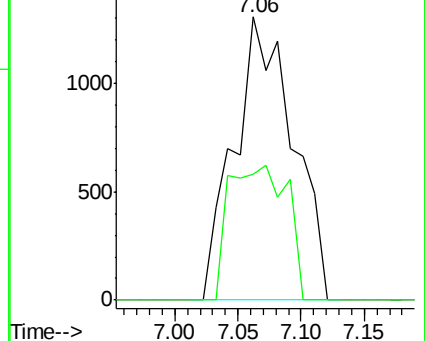
168 100

99 44.7 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061246.D

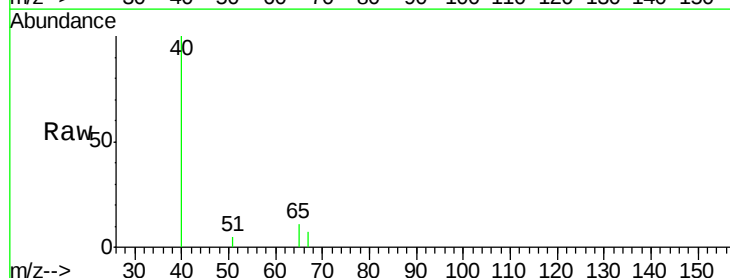
Acq: 21 Mar 2019 15:54

Tgt Ion: 65 Resp: 2774

Ion Ratio Lower Upper

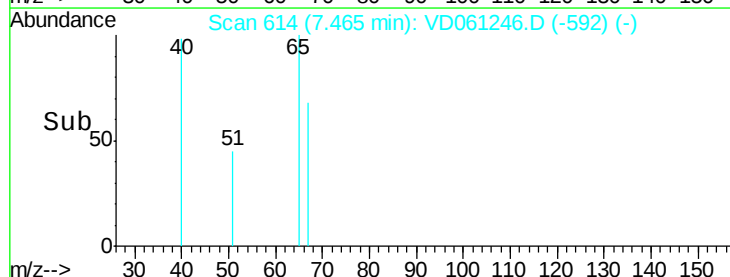
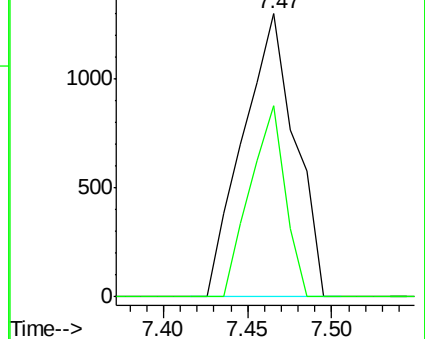
65 100

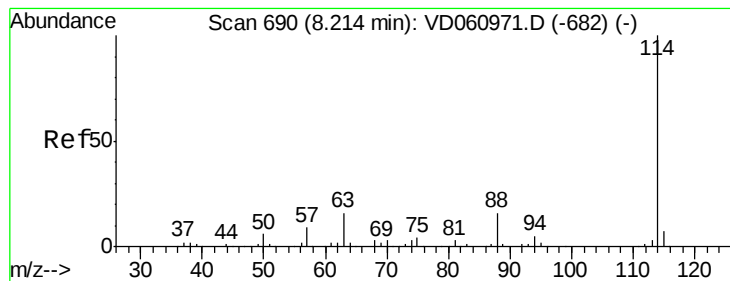
67 67.7 0.0 105.2



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: 8.22 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061246.D

Acq: 21 Mar 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :

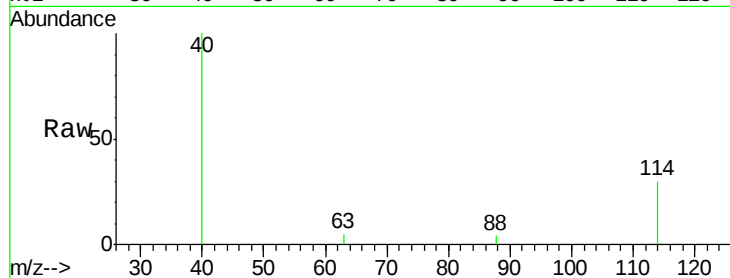
Tot Ion:114 Resp: 8394

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

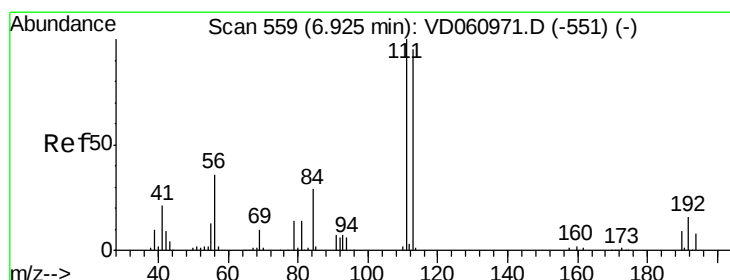
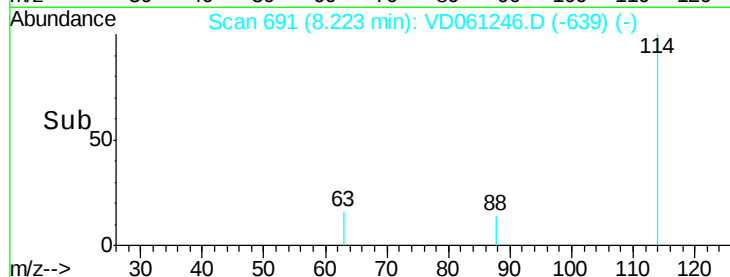
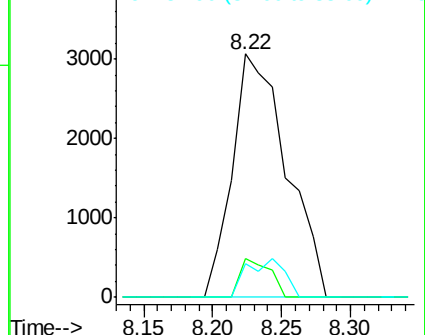
88 13.6 0.0 33.0



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: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061246.D

Acq: 21 Mar 2019 15:54

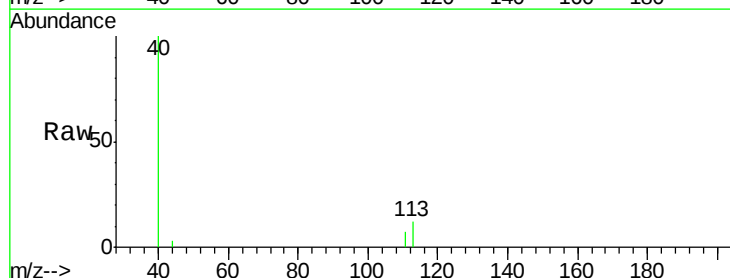
Tgt Ion:113 Resp: 3998

Ion Ratio Lower Upper

113 100

111 59.0 84.2 126.4#

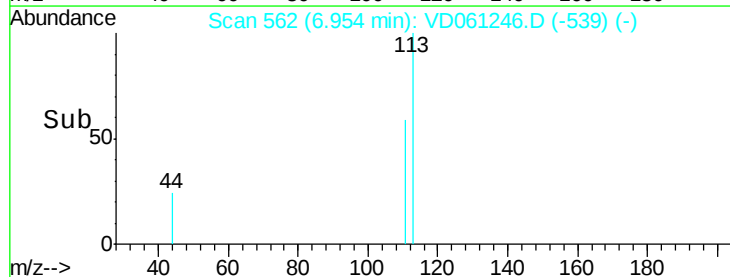
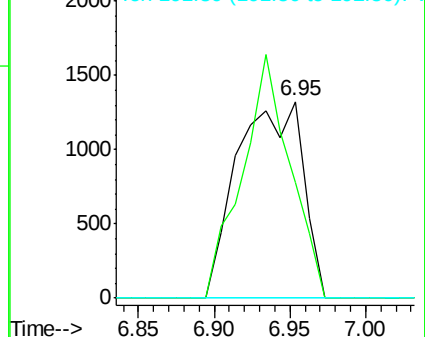
192 0.0 13.1 19.7#

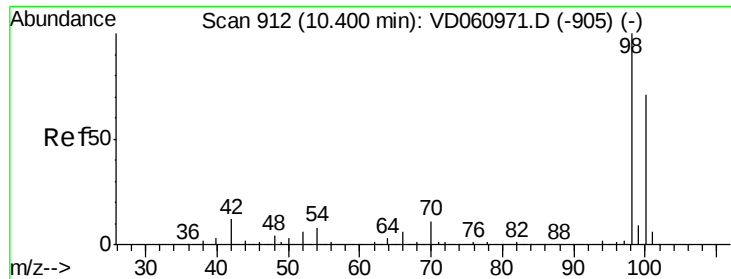


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

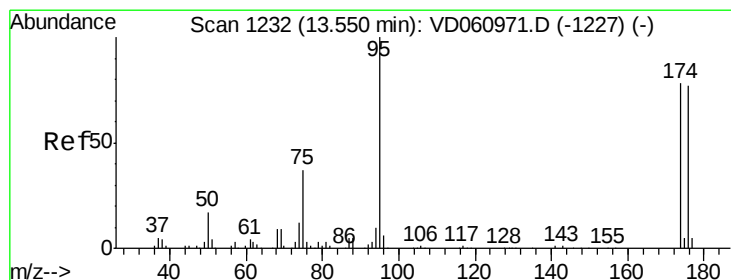
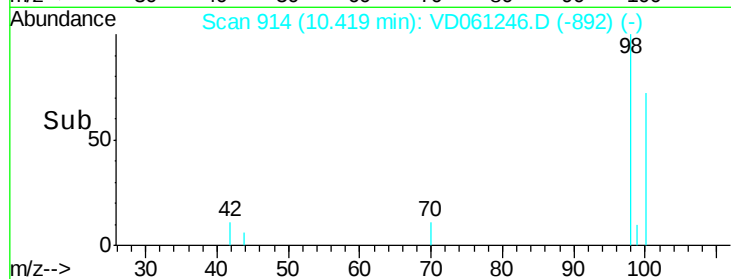
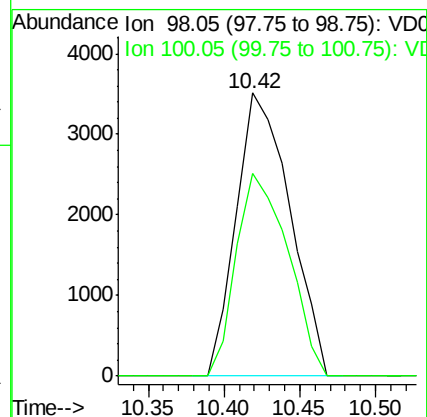
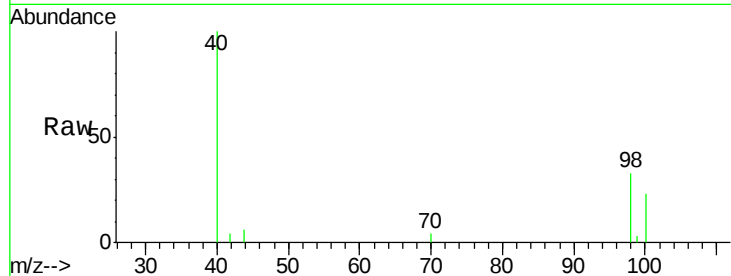




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061246.D
Acq: 21 Mar 2019 15:54

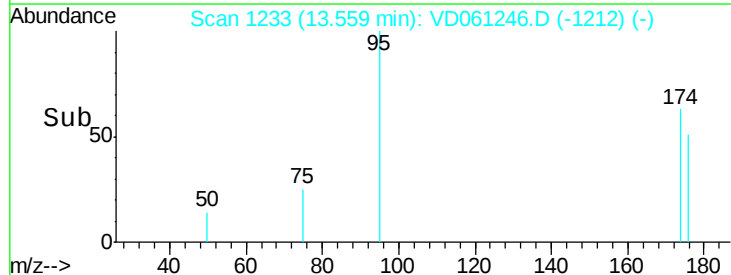
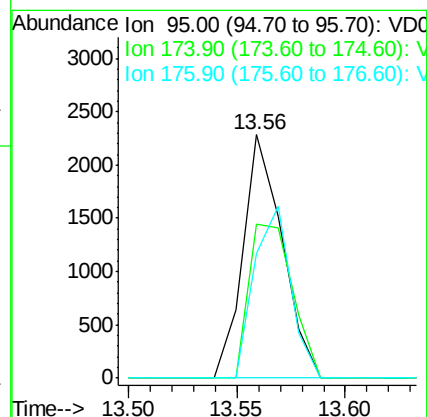
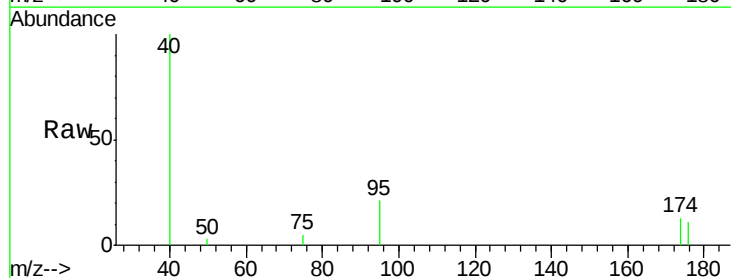
Instrument :
MSVOA_D
ClientSampleId :

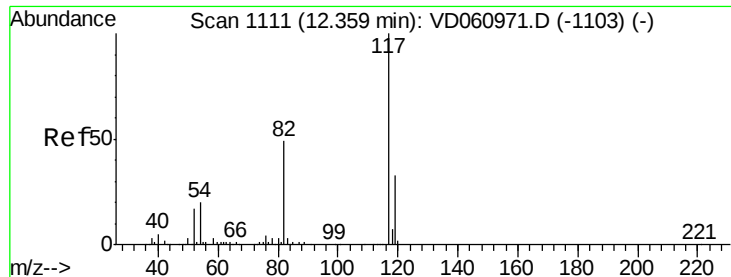
Tot Ion: 98 Resp: 8683
Ion Ratio Lower Upper
98 100
100 71.7 57.4 86.2



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061246.D
Acq: 21 Mar 2019 15:54

Tgt Ion: 95 Resp: 2903
Ion Ratio Lower Upper
95 100
174 63.5 0.0 155.6
176 51.0 0.0 153.8

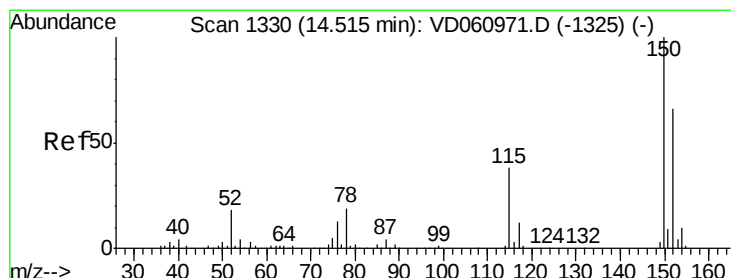
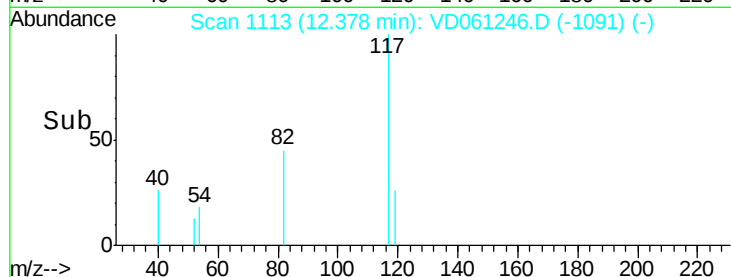
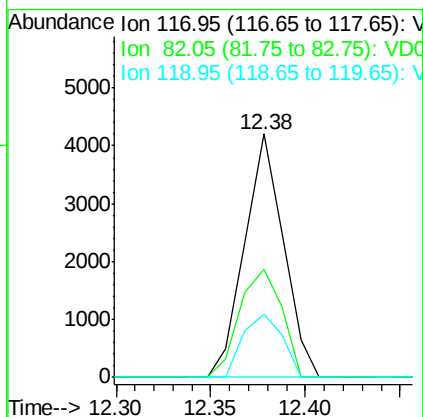
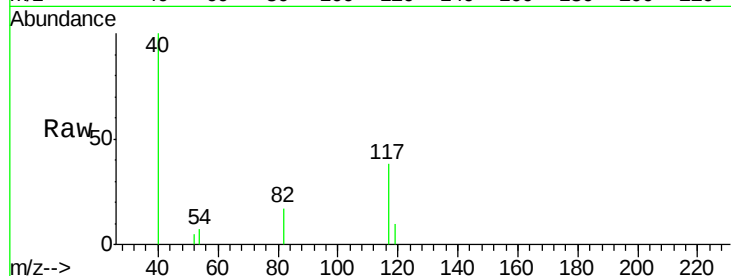




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061246.D
Acq: 21 Mar 2019 15:54

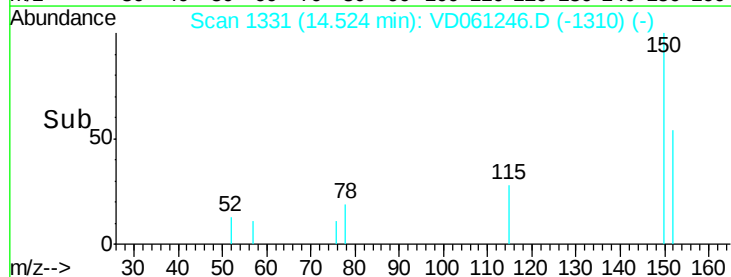
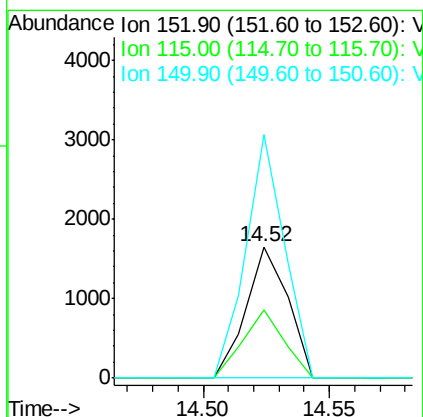
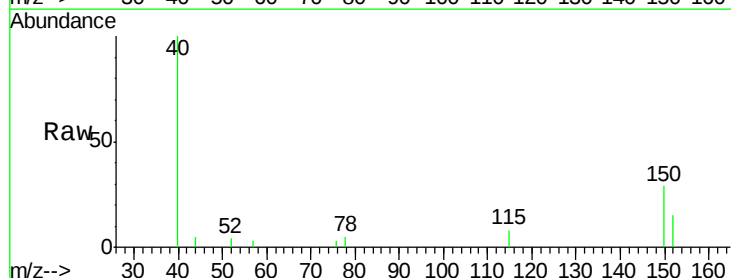
Instrument :
MSVOA_D
ClientSampled :

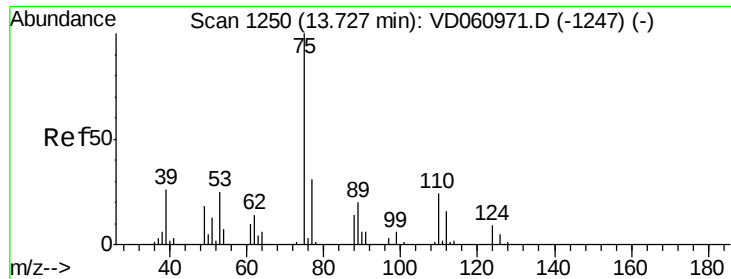
Tot Ion:117 Resp: 6006
Ion Ratio Lower Upper
117 100
82 44.6 38.9 58.3
119 25.8 26.6 39.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061246.D
Acq: 21 Mar 2019 15:54

Tgt Ion:152 Resp: 1901
Ion Ratio Lower Upper
152 100
115 52.5 28.6 85.9
150 185.5 0.0 310.6





#76

1,2,3-Trichloropropane

Concen: 28.374 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD061246.D

Acq: 21 Mar 2019 15:54

Instrument :

MSVOA_D

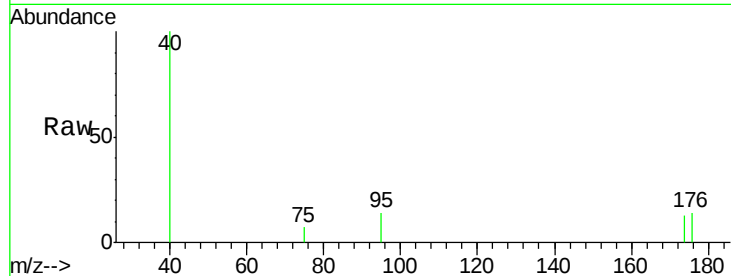
ClientSampleId :

Tot Ion: 75 Resp: 776

Ion Ratio Lower Upper

75 100

77 0.0 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.57

800

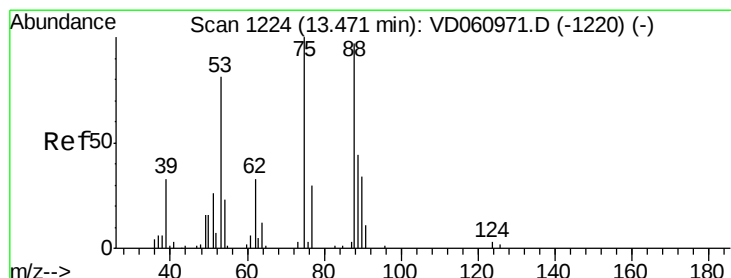
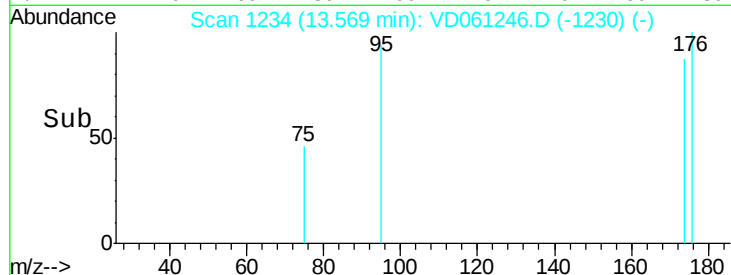
600

400

200

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 96.240 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD061246.D

Acq: 21 Mar 2019 15:54

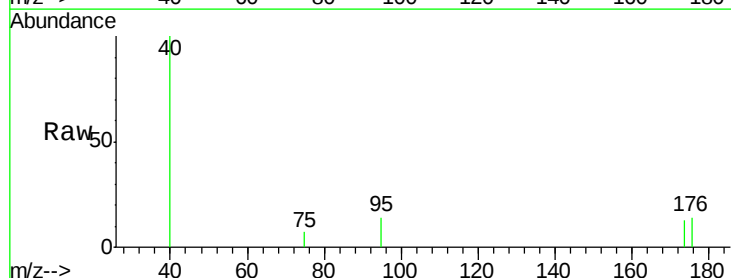
Tgt Ion: 75 Resp: 776

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

1000

800

600

400

200

0

Time-->

