

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061148.D
 Acq On : 18 Mar 2019 16:32
 Operator : VA/AP
 Sample : K1935-03
 Misc : 3.91g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:16:59 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

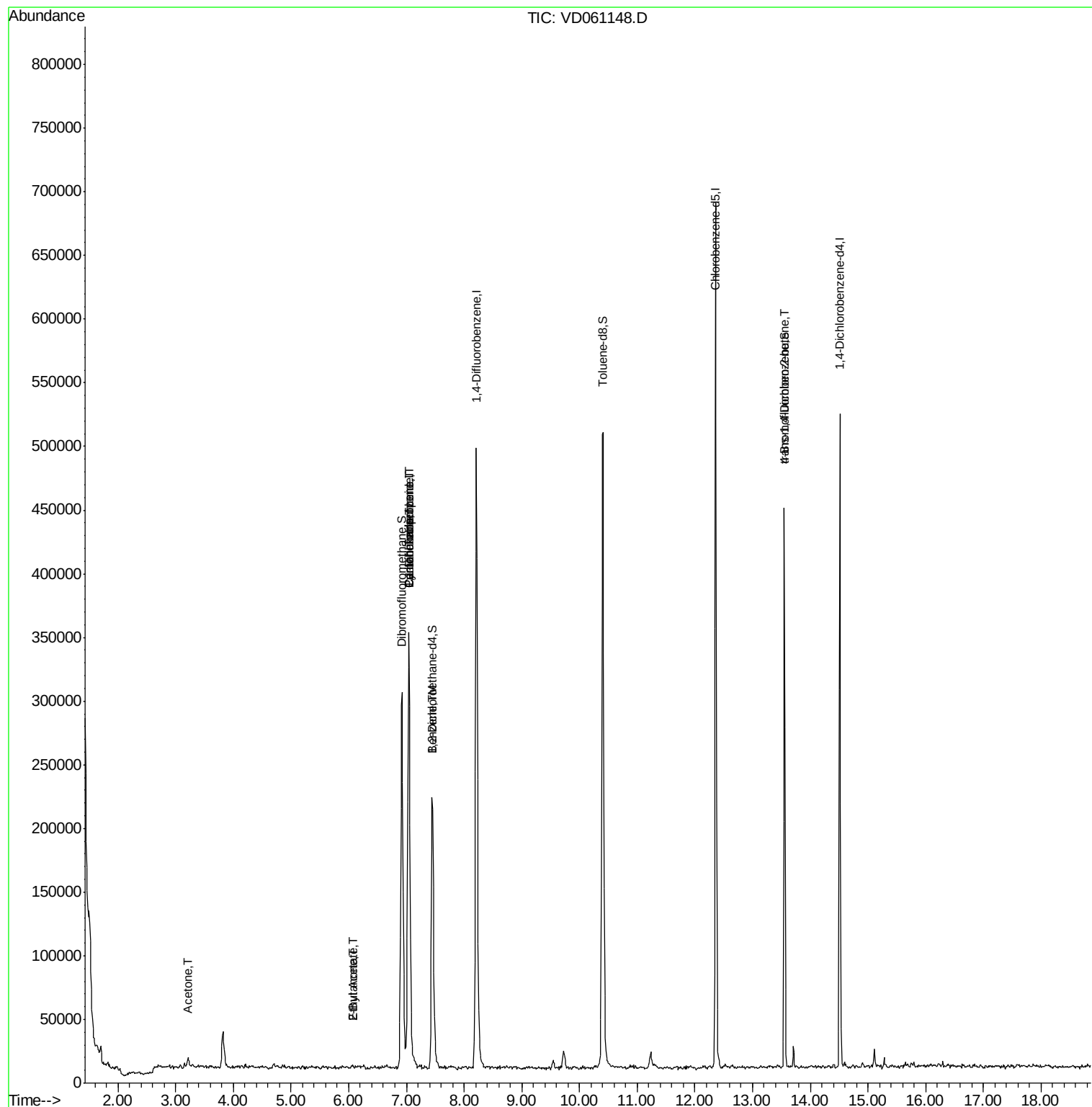
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	360770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	606531	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	424855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	112648	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	168755	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	
35) Dibromofluoromethane	6.92	113	287101	63.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.56%	
50) Toluene-d8	10.41	98	493616	43.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.34%	
62) 4-Bromofluorobenzene	13.55	95	134947	30.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.54%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.20	94	219	Below Cal	#	8
16) Acetone	3.21	43	13400	15.604	ug/l #	89
25) 2-Butanone	6.06	43	2826	2.900	ug/l #	55
31) Cyclohexane	7.03	56	6325	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	27597	5.278	ug/l #	44
37) Ethyl Acetate	6.06	43	2826	1.152	ug/l #	66
38) Carbon Tetrachloride	7.04	117	34061	5.914	ug/l #	16
40) Benzene	7.45	78	63283	4.844	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.55	75	49286	103.152	ug/l #	17

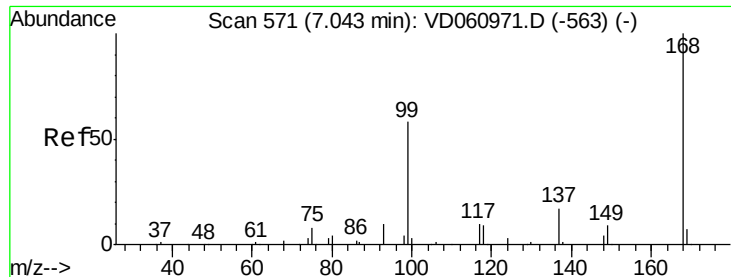
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

Instrument :

MSVOA_D

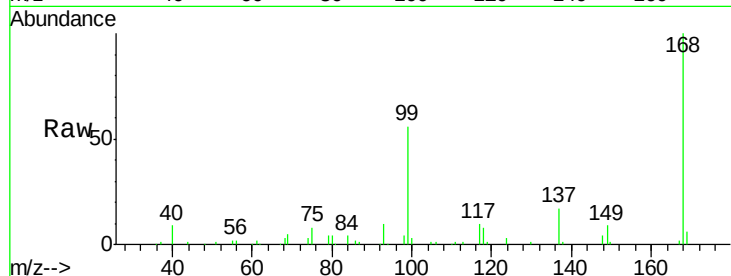
ClientSampleId :

Tot Ion:168 Resp: 360770

Ion Ratio Lower Upper

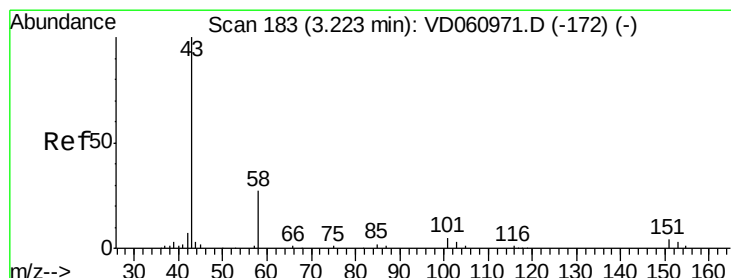
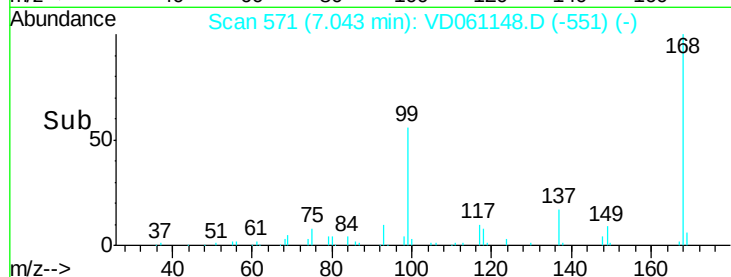
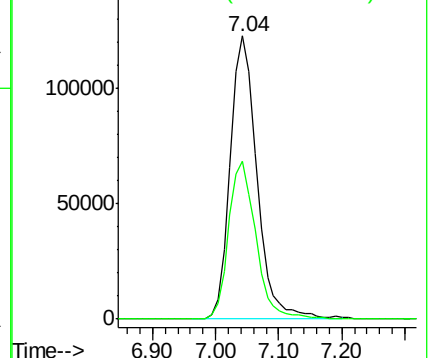
168 100

99 55.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 15.604 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061148.D

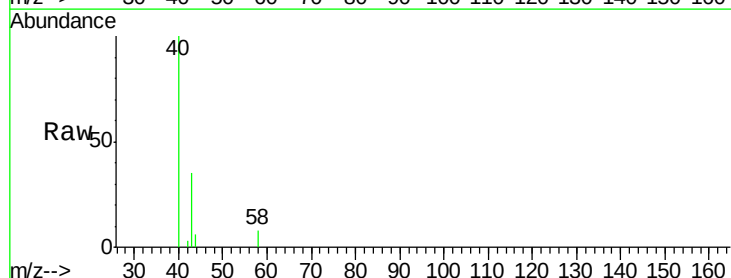
Acq: 18 Mar 2019 16:32

Tgt Ion: 43 Resp: 13400

Ion Ratio Lower Upper

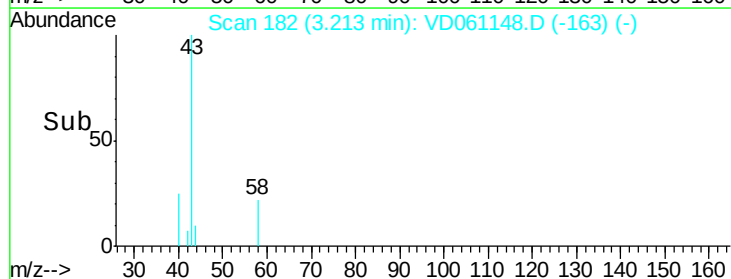
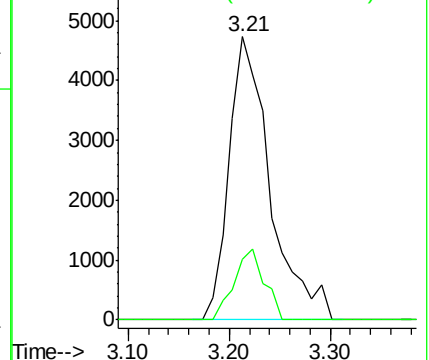
43 100

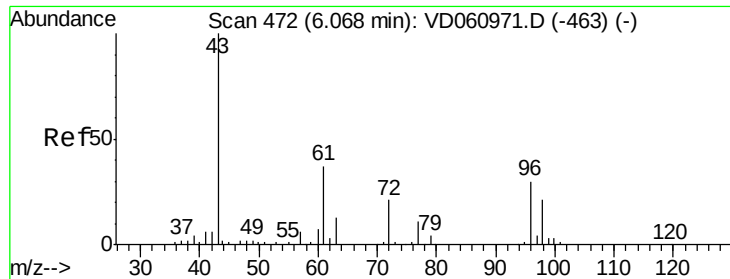
58 21.5 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 2.900 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

Instrument :

MSVOA_D

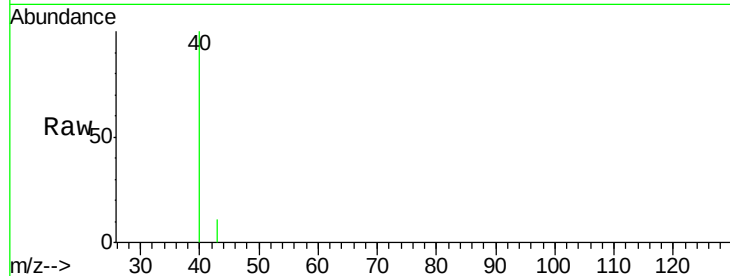
ClientSampleId :

Tot Ion: 43 Resp: 2826

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

1500

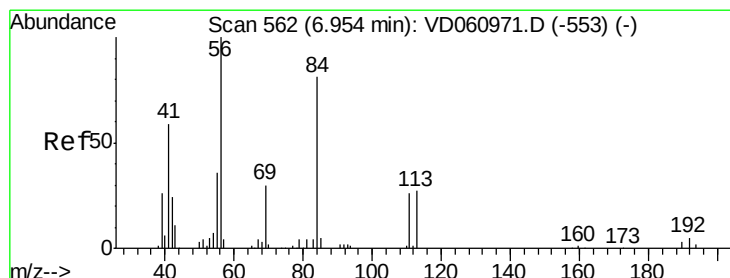
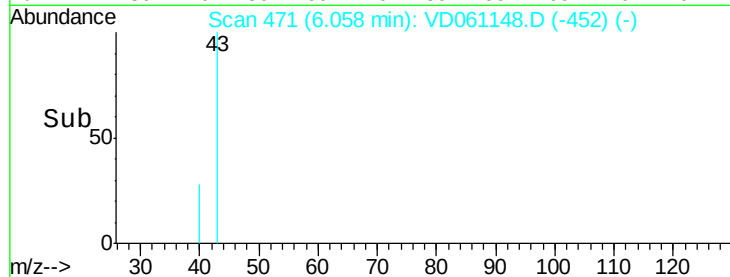
1000

500

0

Time-->

6.00 6.05 6.10



#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

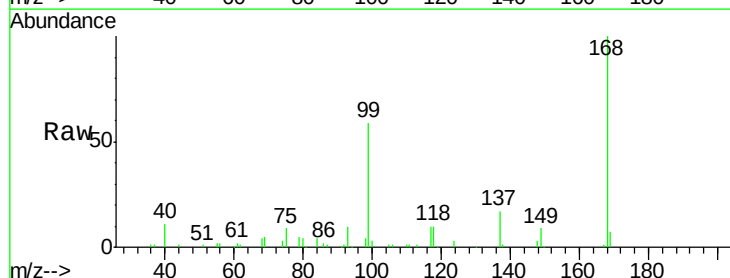
Tgt Ion: 56 Resp: 6325

Ion Ratio Lower Upper

56 100

69 270.4 24.0 36.0#

84 183.6 65.8 98.6#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

8000

6000

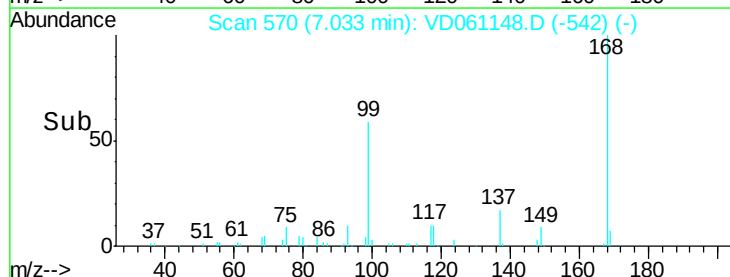
4000

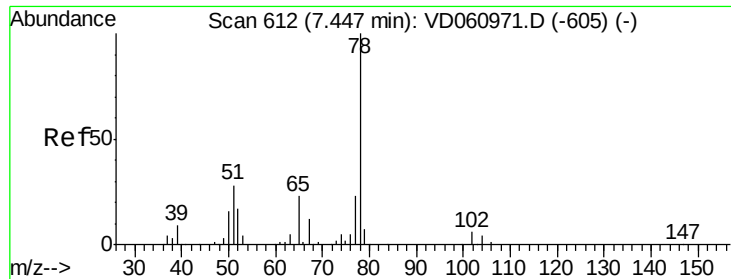
2000

0

Time-->

6.95 7.00 7.05 7.10

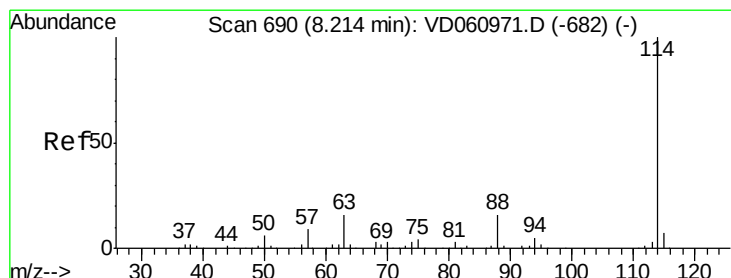
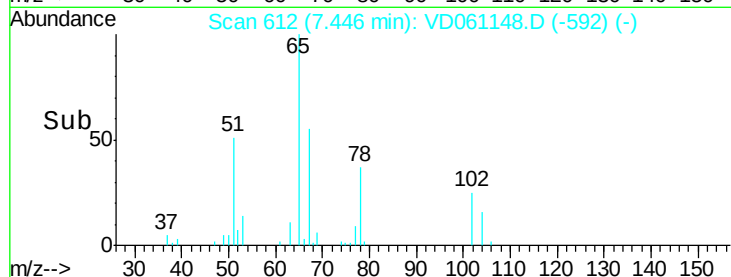
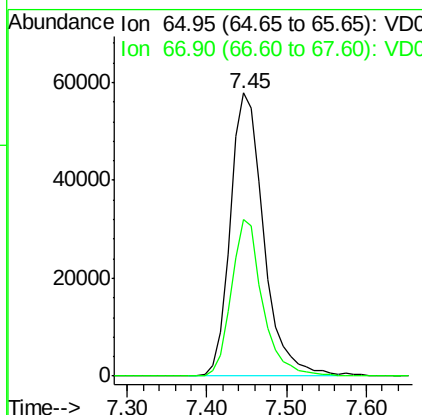
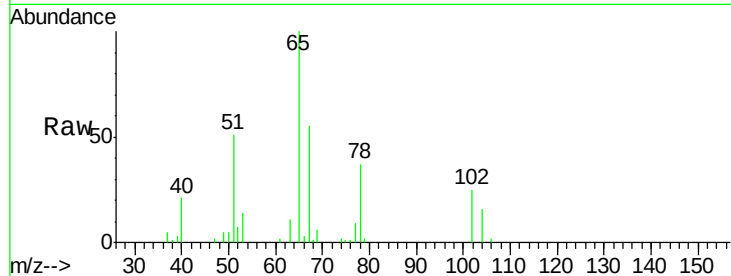




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

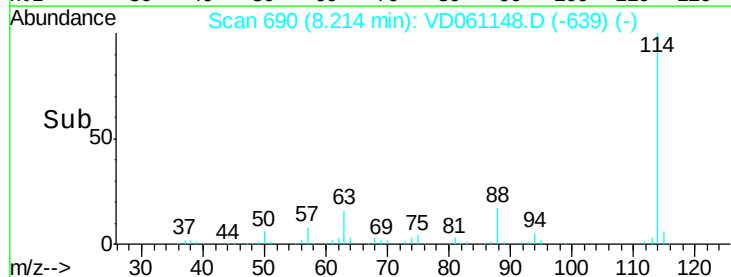
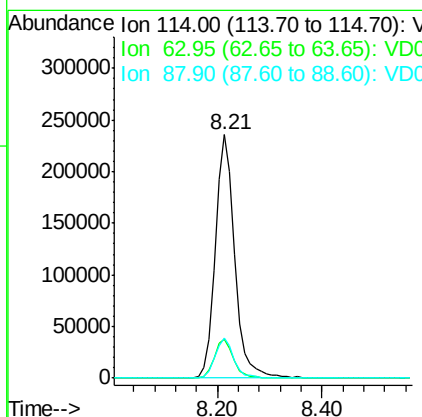
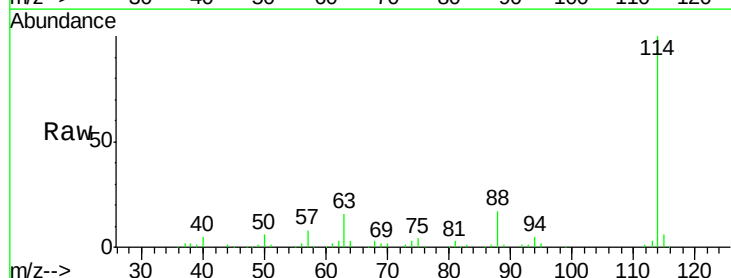
Instrument :
 MSVOA_D
 ClientSampleId :

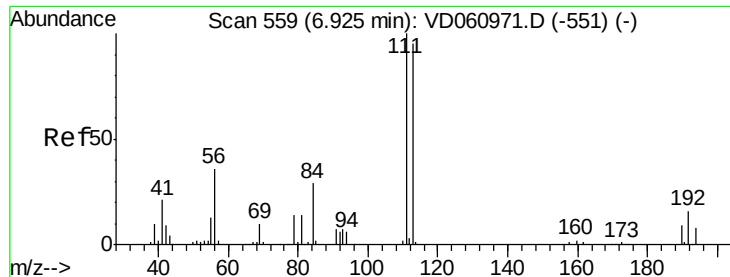
Tot Ion: 65 Resp: 168755
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

Tgt Ion: 114 Resp: 606531
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.4
 88 16.6 0.0 33.0

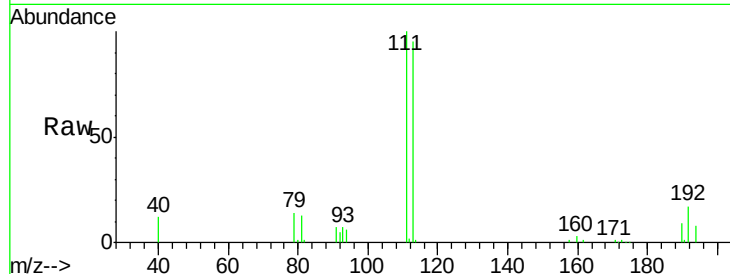




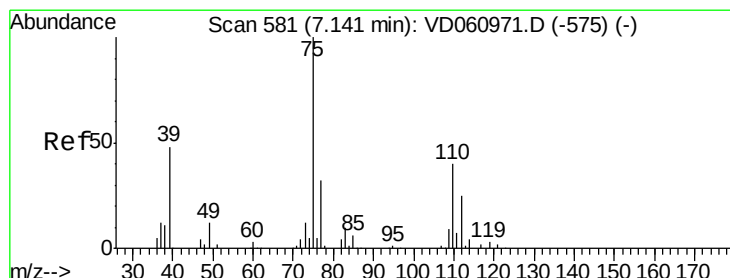
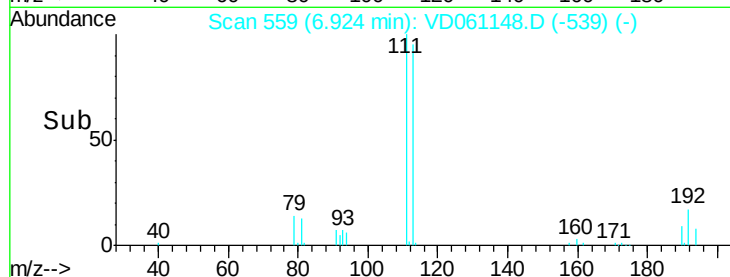
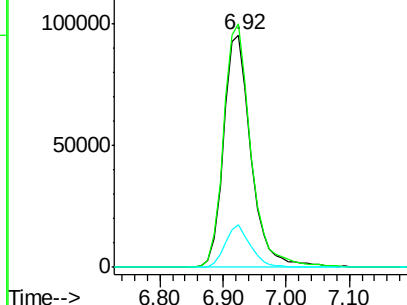
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	84.2	126.4
192	18.2	13.1	19.7

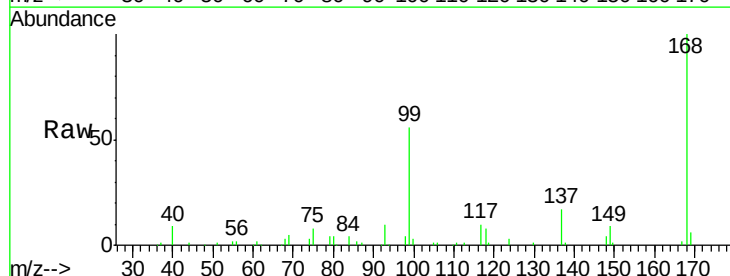


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

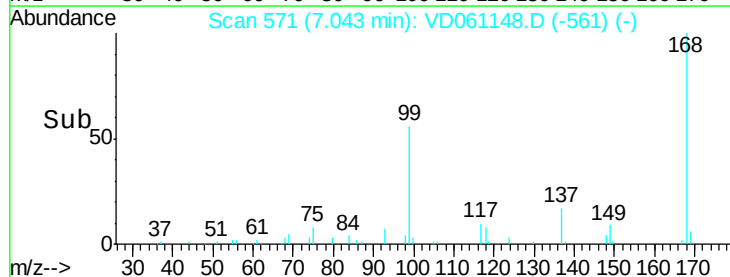
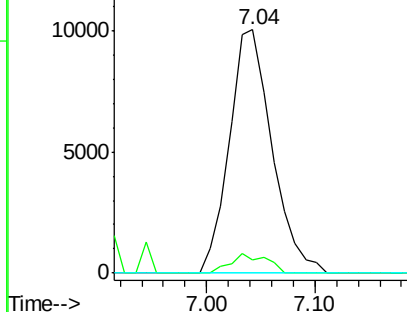


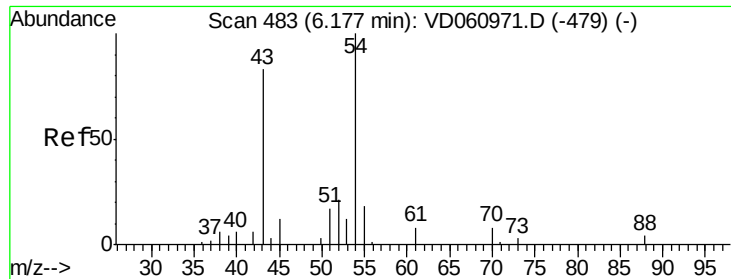
#36
 1,1-Dichloropropene
 Concen: 5.278 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	19.7	59.1#
77	0.0	24.7	37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

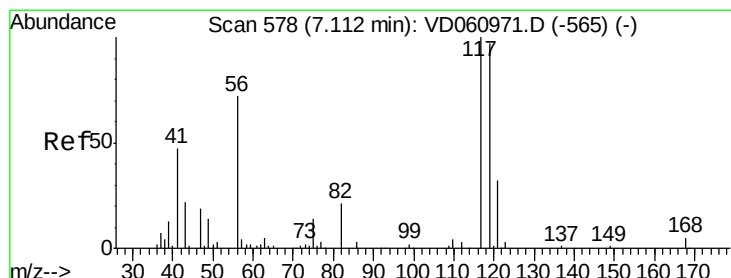
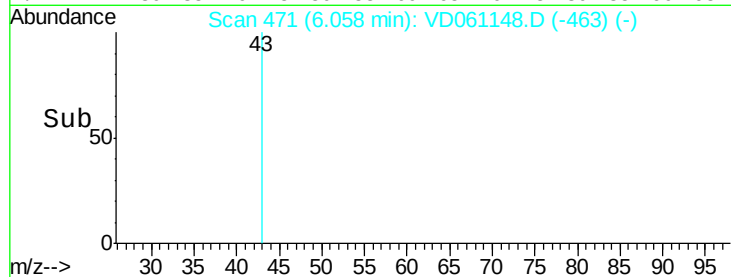
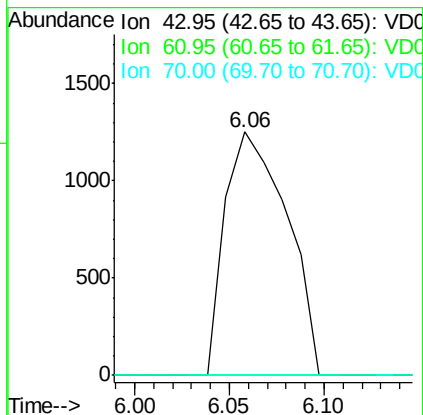
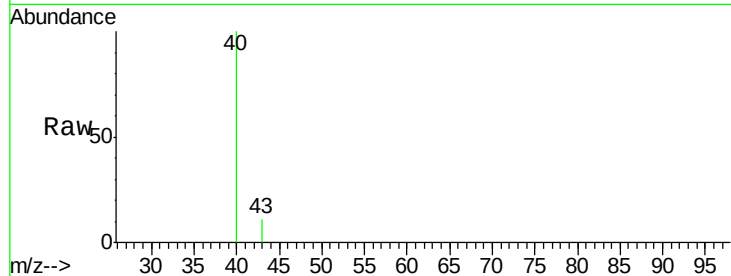




#37
Ethyl Acetate
Concen: 1.152 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.12 min
Lab File: VD061148.D
Acq: 18 Mar 2019 16:32

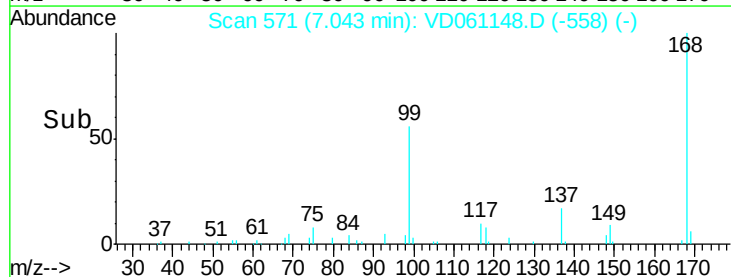
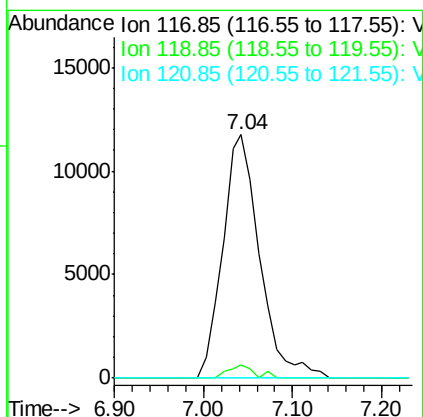
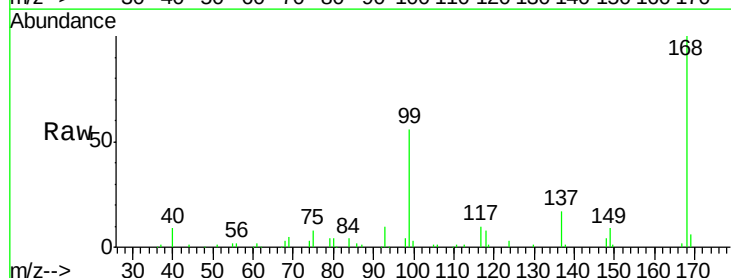
Instrument :
MSVOA_D
ClientSampleId :

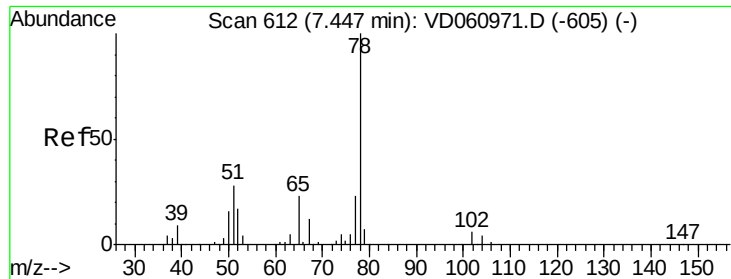
Tot Ion: 43 Resp: 2826
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.914 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061148.D
Acq: 18 Mar 2019 16:32

Tgt Ion: 117 Resp: 34061
Ion Ratio Lower Upper
117 100
119 5.4 77.8 116.8#
121 0.0 25.3 37.9#





#40

Benzene

Concen: 4.844 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

Instrument :

MSVOA_D

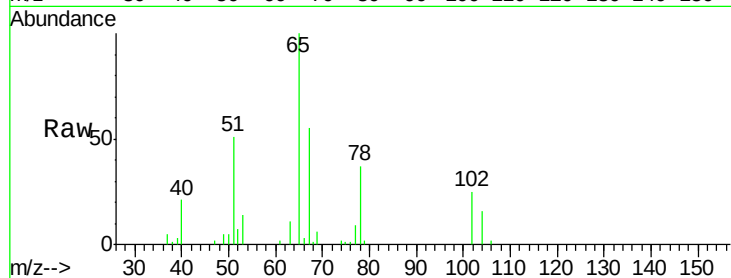
ClientSampleId :

Tot Ion: 78 Resp: 63283

Ion Ratio Lower Upper

78 100

77 25.1 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.45

25000

20000

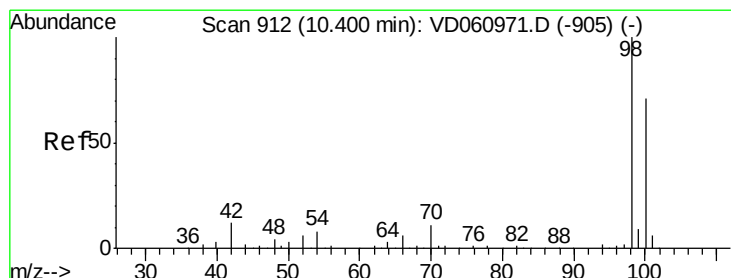
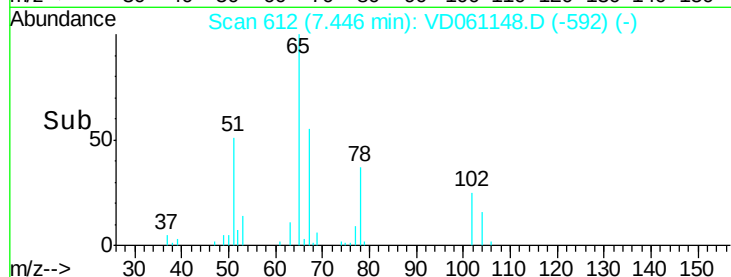
15000

10000

5000

0

Time--> 7.30 7.40 7.50 7.60



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061148.D

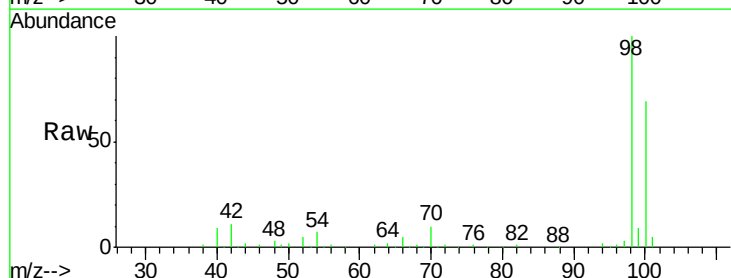
Acq: 18 Mar 2019 16:32

Tgt Ion: 98 Resp: 493616

Ion Ratio Lower Upper

98 100

100 69.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

200000

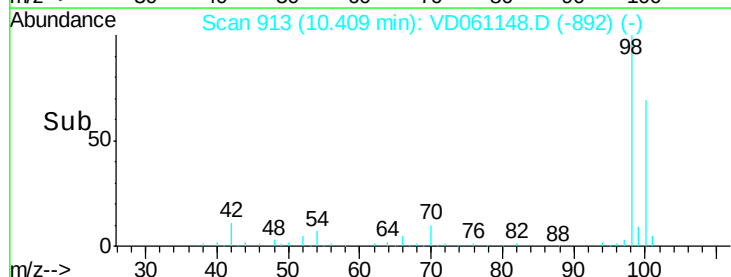
150000

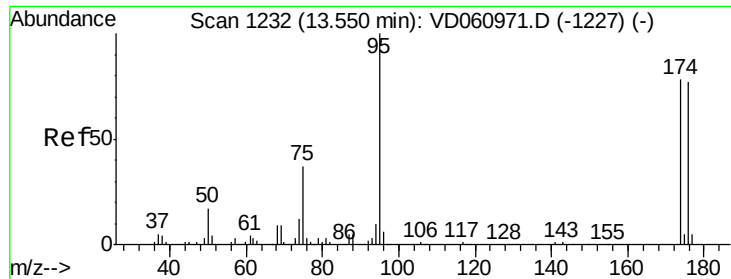
100000

50000

0

Time--> 10.30 10.40 10.50 10.60





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

Instrument :

MSVOA_D

ClientSampleId :

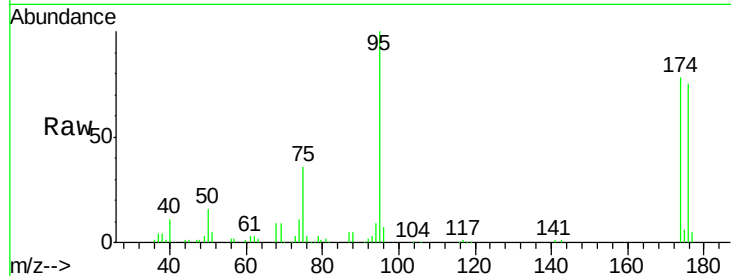
Tot Ion: 95 Resp: 134947

Ion Ratio Lower Upper

95 100

174 77.5 0.0 155.6

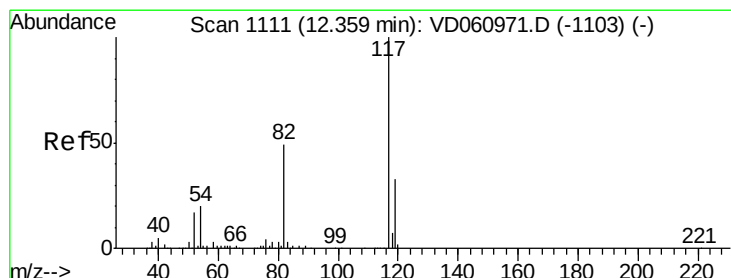
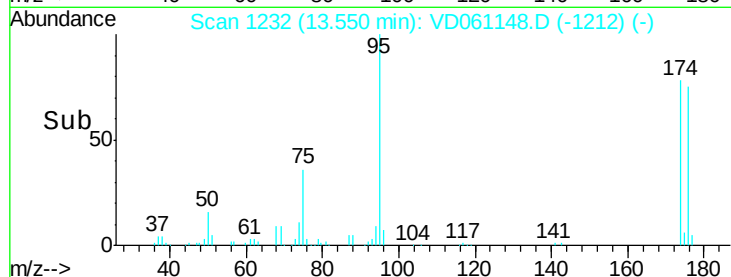
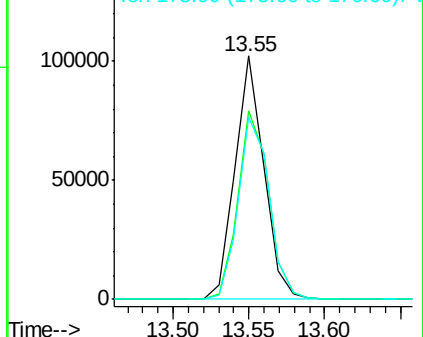
176 75.1 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD061148.D

Acq: 18 Mar 2019 16:32

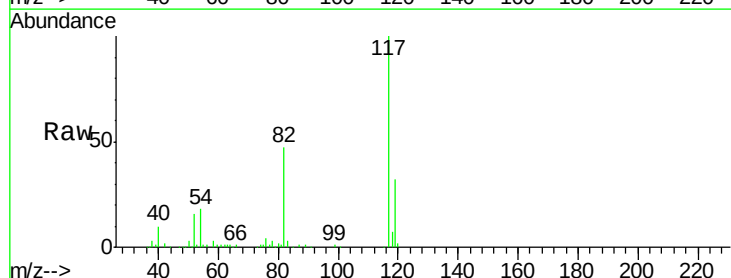
Tgt Ion: 117 Resp: 424855

Ion Ratio Lower Upper

117 100

82 47.1 38.9 58.3

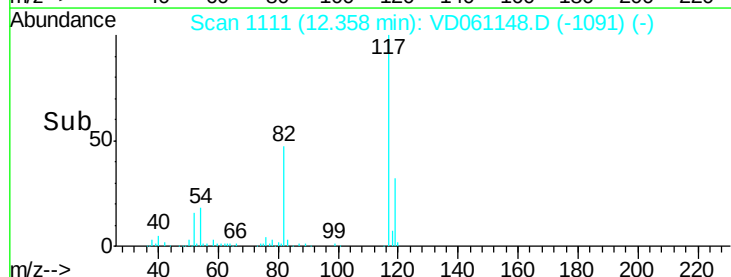
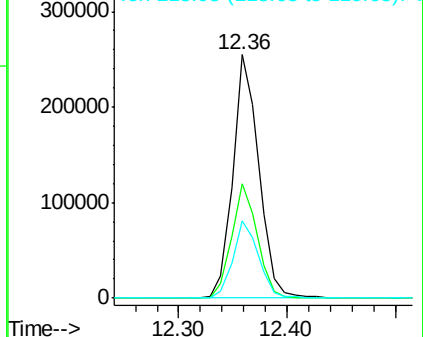
119 31.8 26.6 39.8

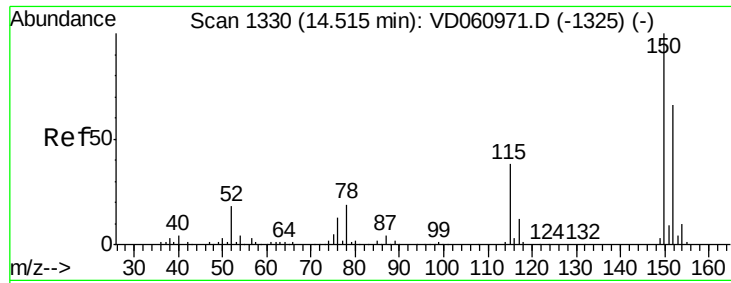


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

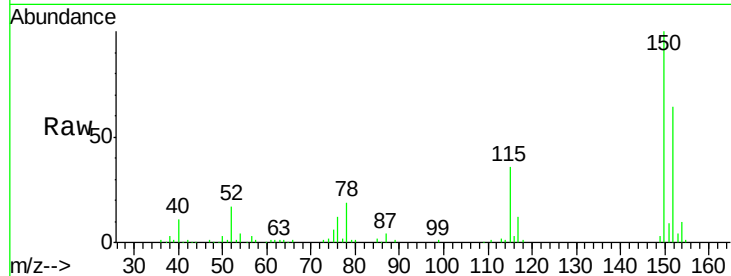




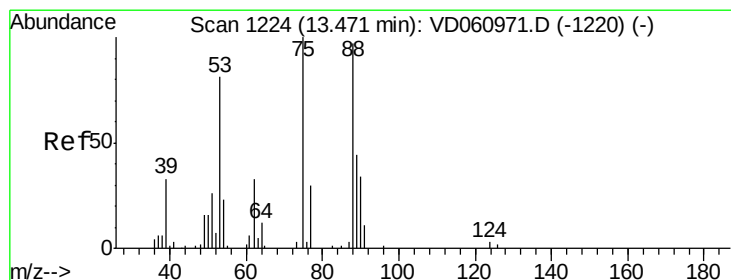
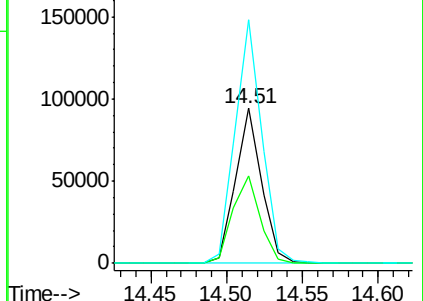
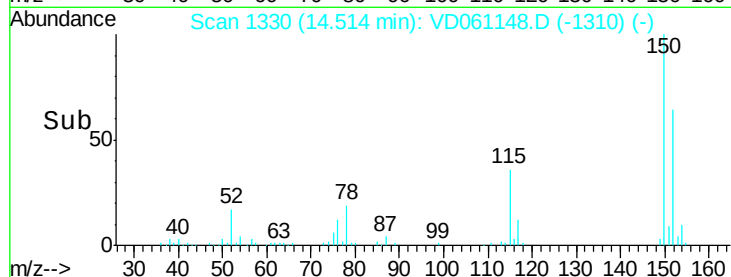
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 112648
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.6 85.9
 150 157.3 0.0 310.6

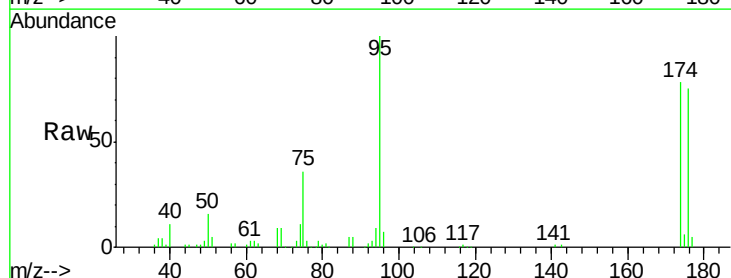


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.152 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.08 min
 Lab File: VD061148.D
 Acq: 18 Mar 2019 16:32

Tgt Ion: 75 Resp: 49286
 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

