

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061172.D
 Acq On : 19 Mar 2019 5:29
 Operator : VA/AP
 Sample : K1928-08RE
 Misc : 6.73q/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 08:23:23 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	609607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	991286	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	790008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	271124	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	264014	52.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.06%	
35) Dibromofluoromethane	6.92	113	396229	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	
50) Toluene-d8	10.39	98	873280	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	13.54	95	305612	42.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.26%	

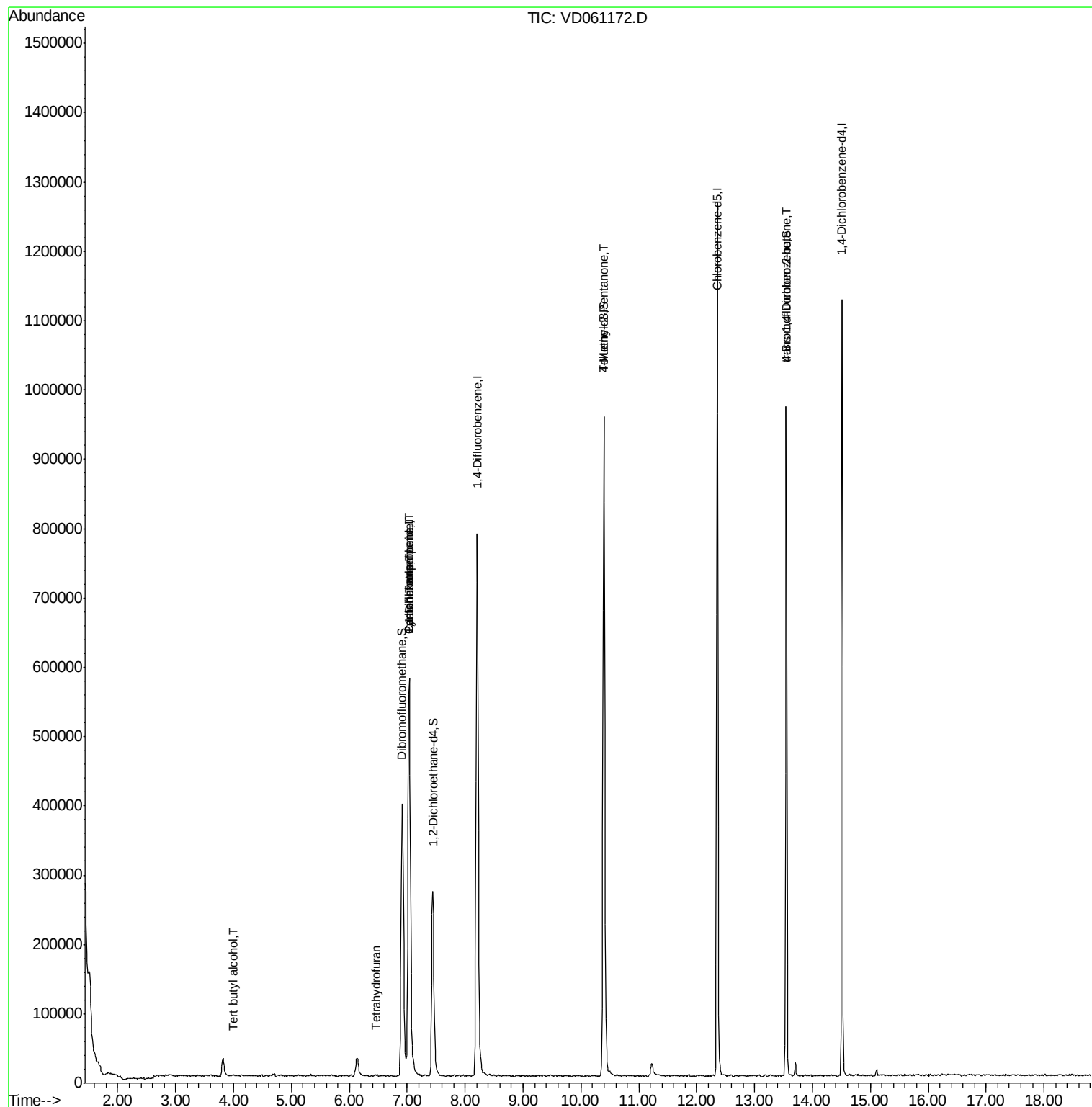
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	240	Below Cal	#	8
11) Tert butyl alcohol	3.99	59	697	2.158	ug/l #	75
20) Methylene Chloride	3.82	84	20400	Below Cal		91
29) Tetrahydrofuran	6.45	42	996	1.114	ug/l #	48
31) Cyclohexane	7.04	56	10407	1.159	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	44445	5.201	ug/l #	44
38) Carbon Tetrachloride	7.03	117	57282	6.086	ug/l #	15
51) 4-Methyl-2-Pentanone	10.39	43	3517	1.034	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.54	75	112936	98.207	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# 570

Delta R.T. -0.01 min

Lab File: VD061172.D

Acq: 19 Mar 2019 5:29

Instrument :

MSVOA_D

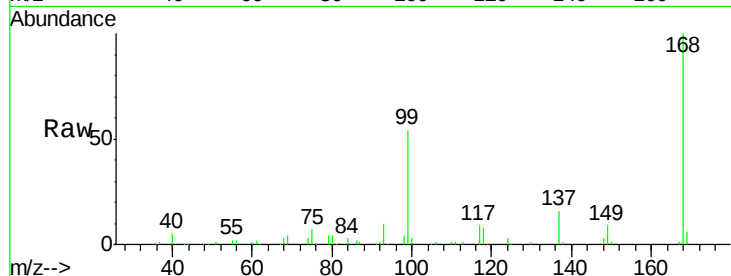
ClientSampleId :

Tot Ion:168 Resp: 609607

Ion Ratio Lower Upper

168 100

99 54.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

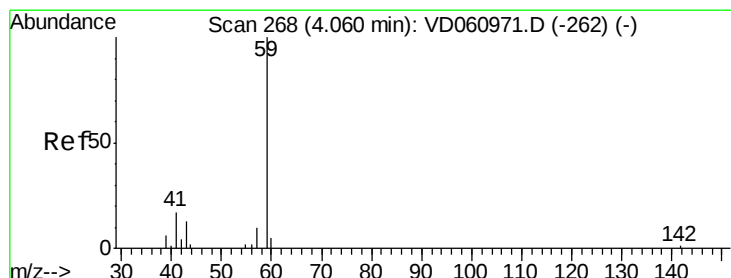
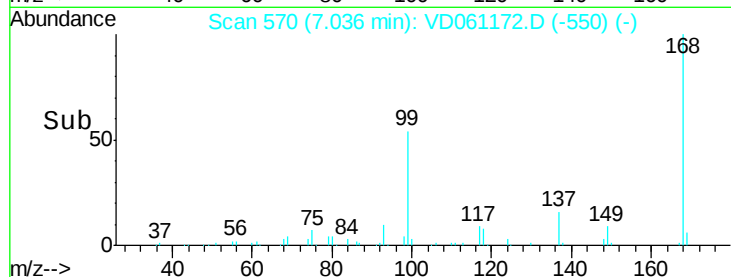
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.158 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.07 min

Lab File: VD061172.D

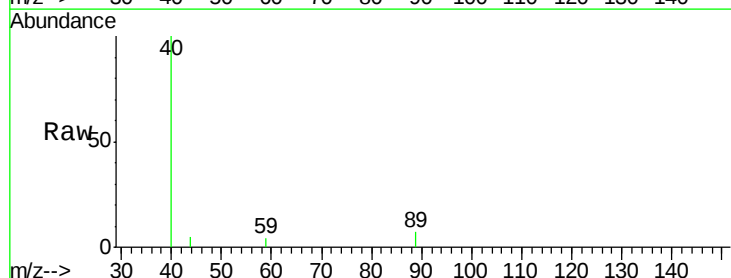
Acq: 19 Mar 2019 5:29

Tgt Ion: 59 Resp: 697

Ion Ratio Lower Upper

59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

500

400

300

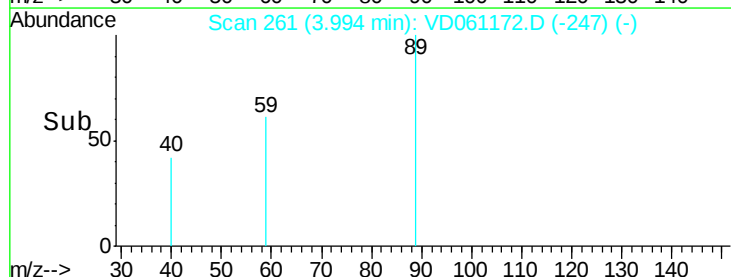
200

100

0

Time-->

3.95 4.00

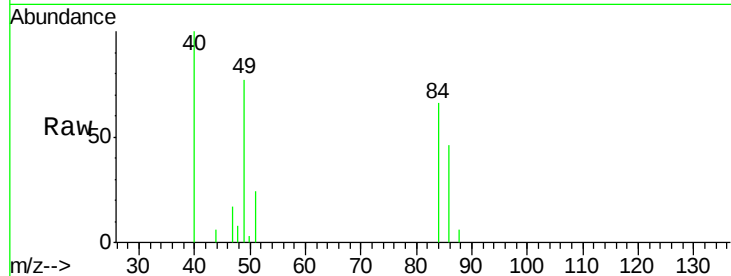




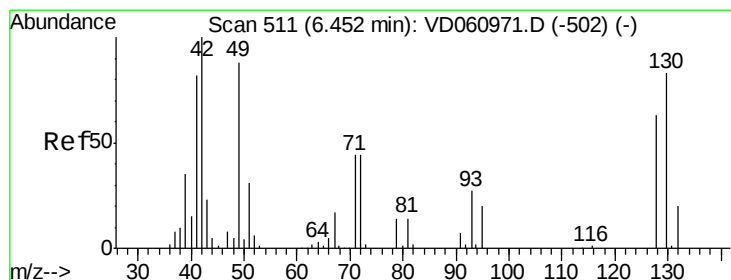
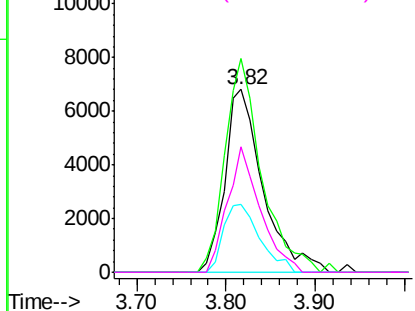
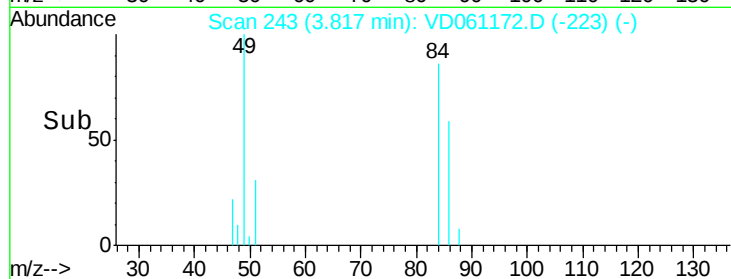
#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061172.D
Acq: 19 Mar 2019 5:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 20400
Ion Ratio Lower Upper
84 100
49 116.9 104.2 156.2
51 36.8 32.3 48.5
86 68.9 52.3 78.5

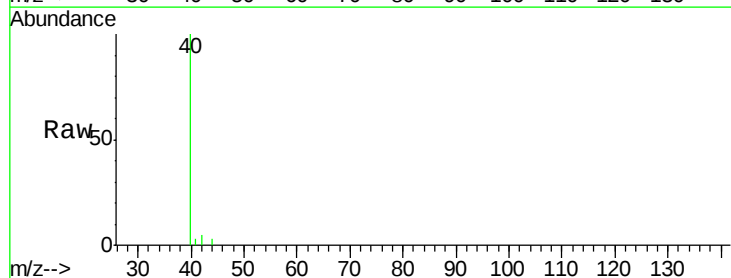


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

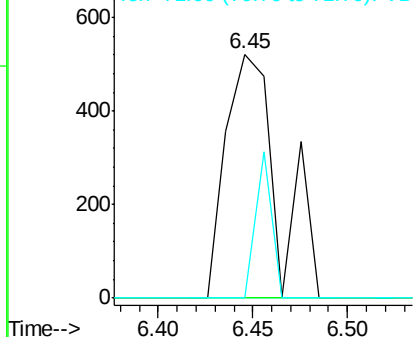
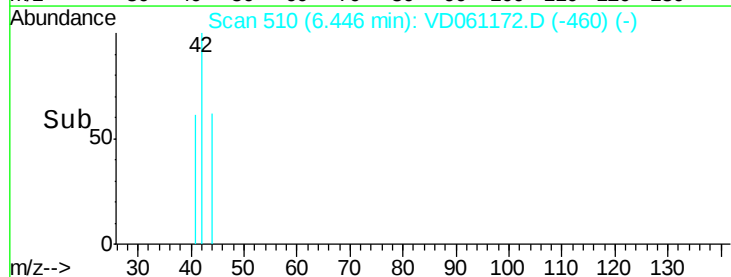


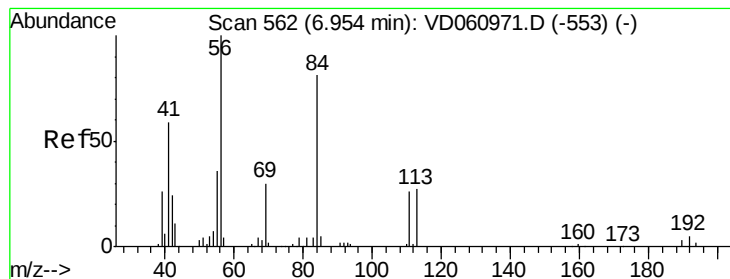
#29
Tetrahydrofuran
Concen: 1.114 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061172.D
Acq: 19 Mar 2019 5:29

Tgt Ion: 42 Resp: 996
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 18.6 33.8 50.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cvclohexane

Concen: 1.159 ug/l

RT: 7.04 min Scan# 570

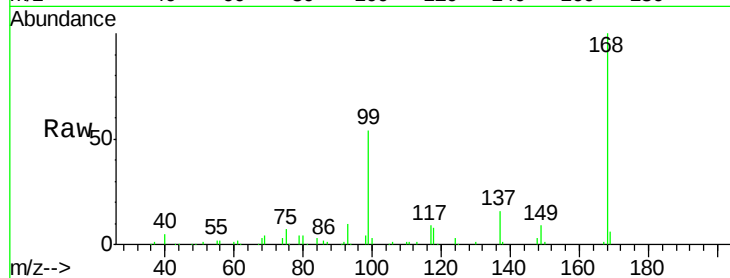
Delta R.T. 0.08 min

Lab File: VD061172.D

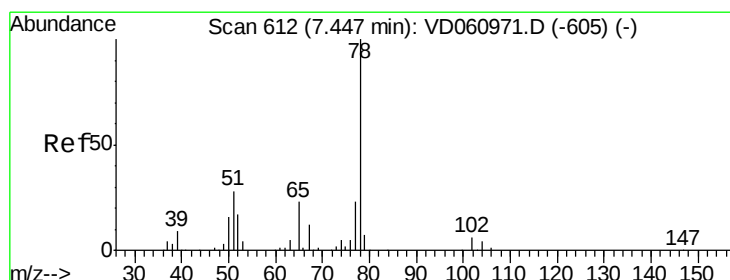
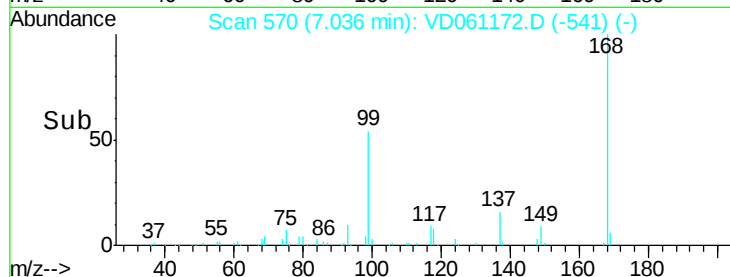
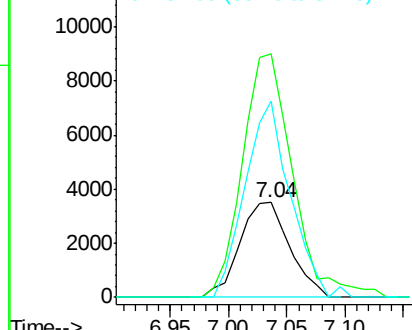
Acq: 19 Mar 2019 5:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	56	Resp:	10407
Ion	Ratio	Lower	Upper
56	100		
69	257.5	24.0	36.0#
84	207.5	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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

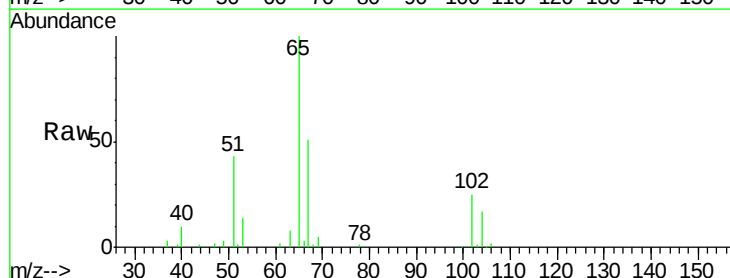
RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

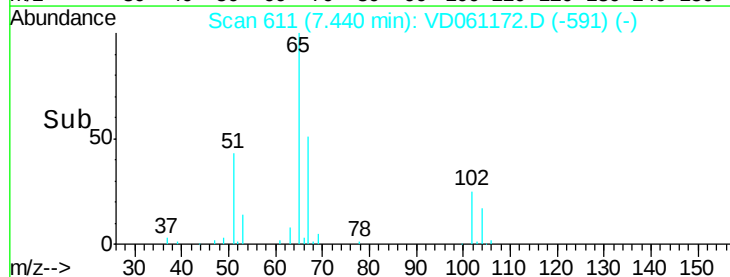
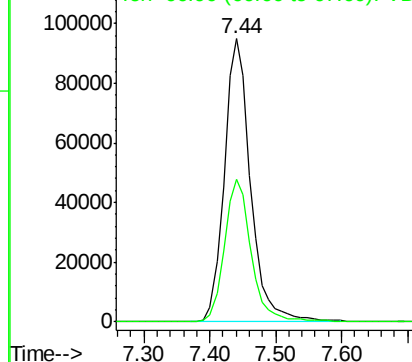
Lab File: VD061172.D

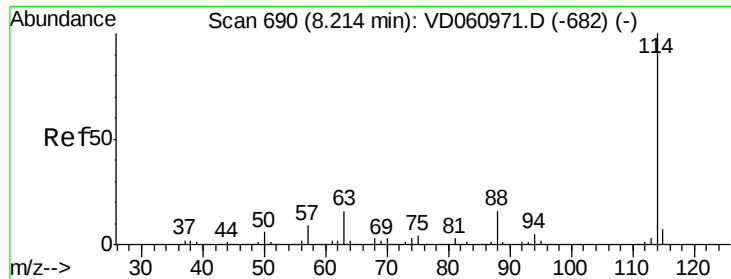
Acq: 19 Mar 2019 5:29

Tgt Ion:	65	Resp:	264014
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

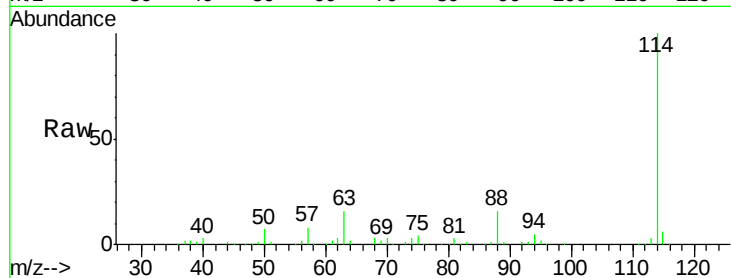




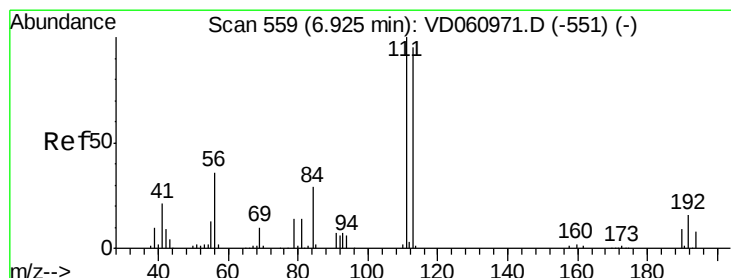
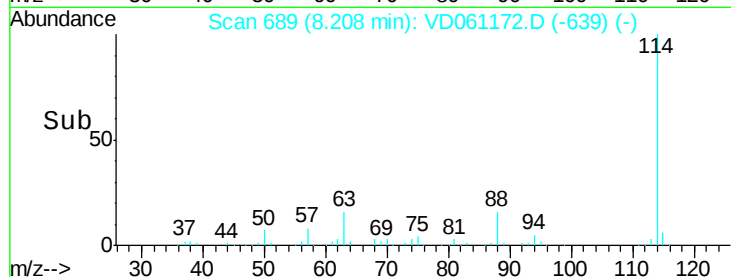
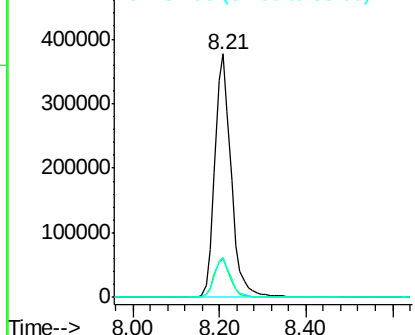
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061172.D
 Acq: 19 Mar 2019 5:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 991286
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.4
 88 16.2 0.0 33.0

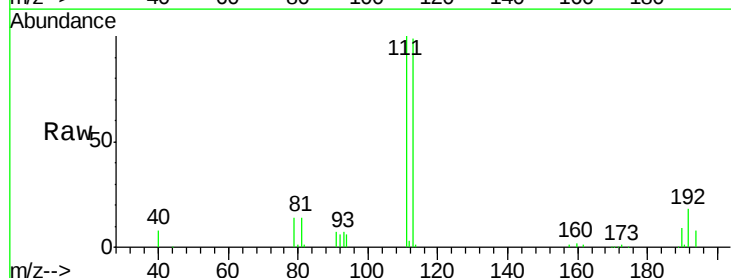


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

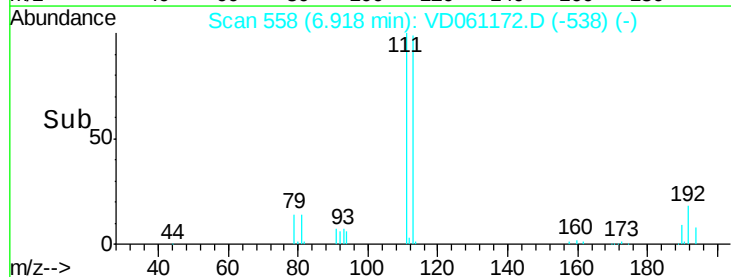
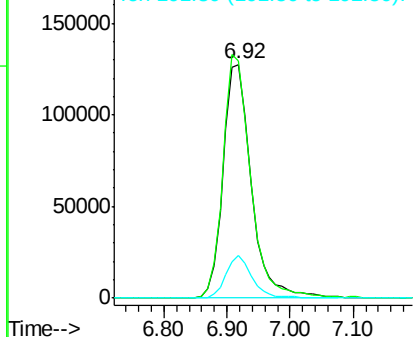


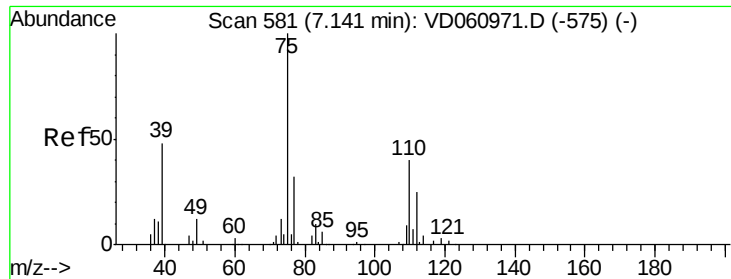
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061172.D
 Acq: 19 Mar 2019 5:29

Tgt Ion:113 Resp: 396229
 Ion Ratio Lower Upper
 113 100
 111 101.3 84.2 126.4
 192 18.1 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: 5.201 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.11 min

Lab File: VD061172.D

Acq: 19 Mar 2019 5:29

Instrument :
MSVOA_D
ClientSampleId :

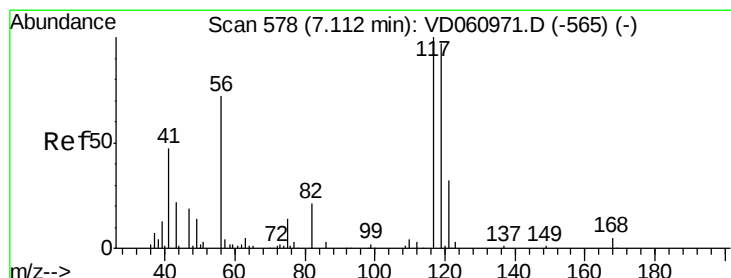
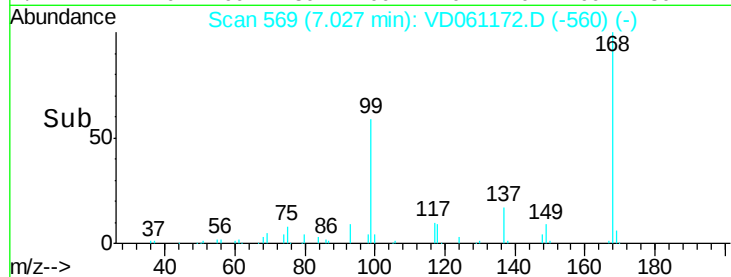
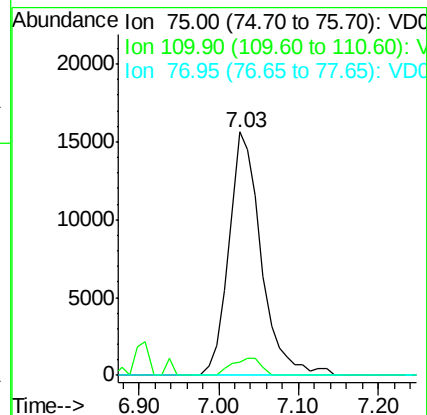
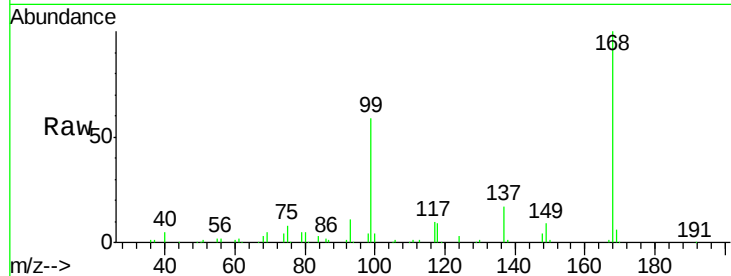
Tot Ion: 75 Resp: 44445

Ion Ratio Lower Upper

75 100

110 5.4 19.7 59.1#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.086 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

Lab File: VD061172.D

Acq: 19 Mar 2019 5:29

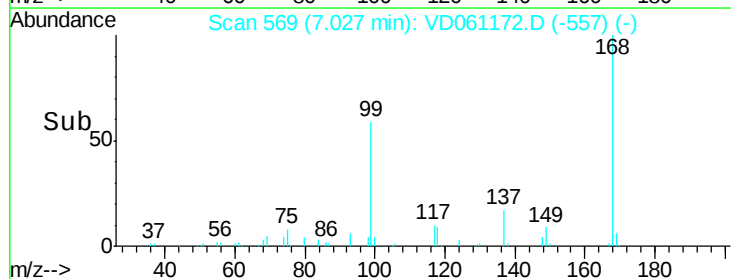
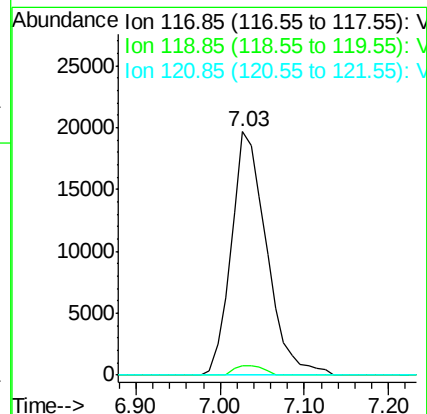
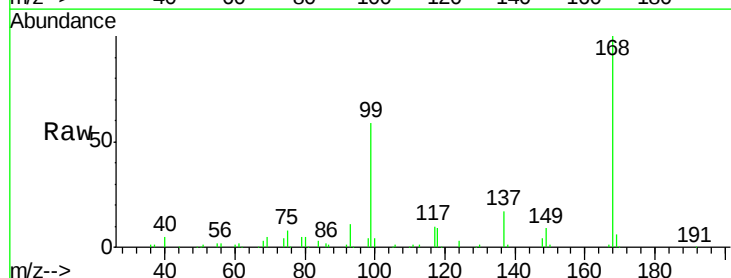
Tgt Ion: 117 Resp: 57282

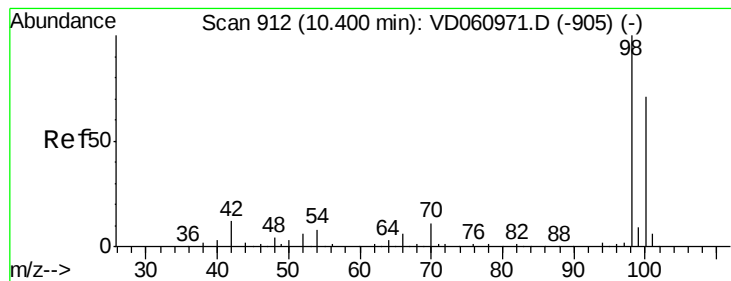
Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.8#

121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD061172.D

Acq: 19 Mar 2019 5:29

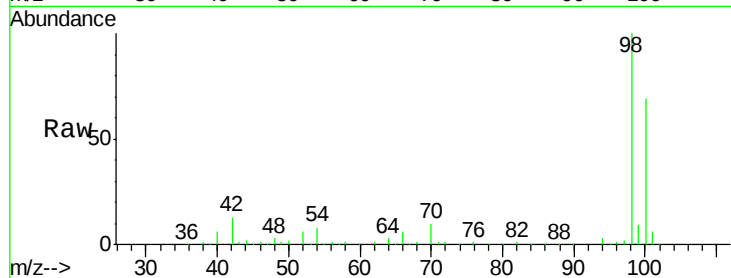
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 873280

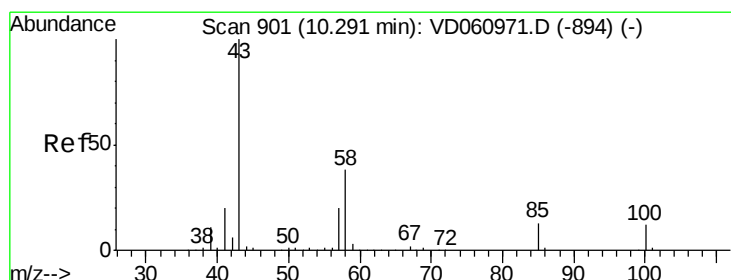
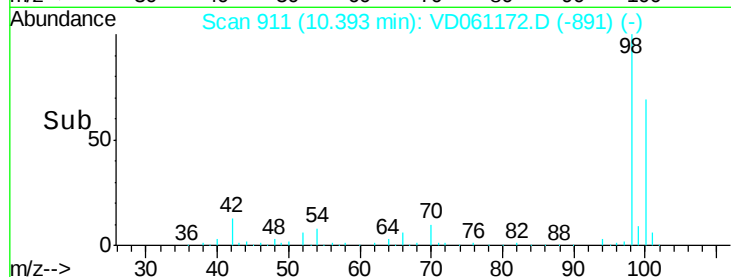
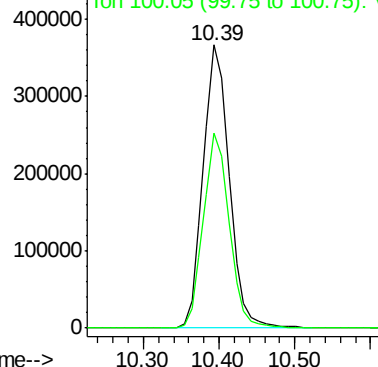
Ion Ratio Lower Upper

98 100

100 69.0 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.034 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.10 min

Lab File: VD061172.D

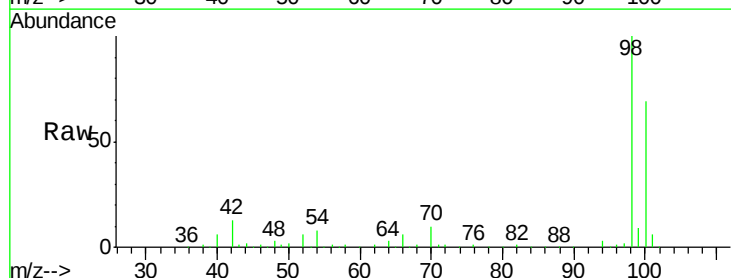
Acq: 19 Mar 2019 5:29

Tgt Ion: 43 Resp: 3517

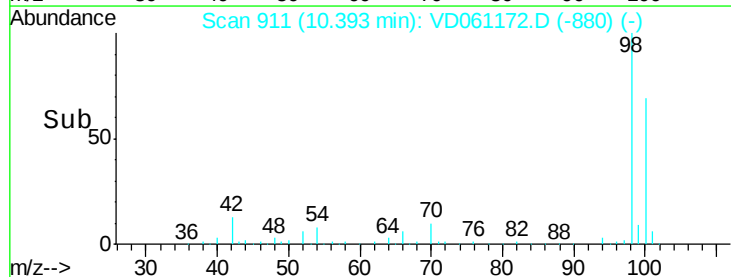
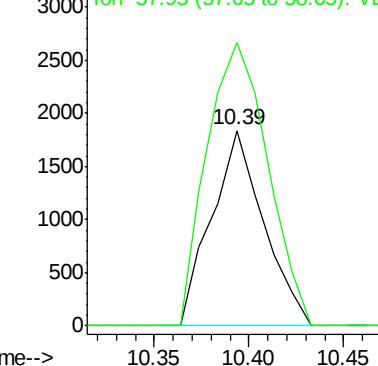
Ion Ratio Lower Upper

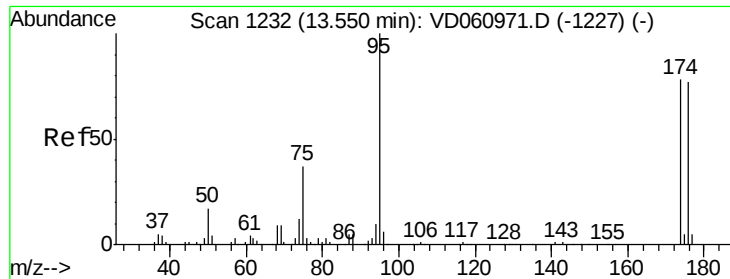
43 100

58 144.9 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

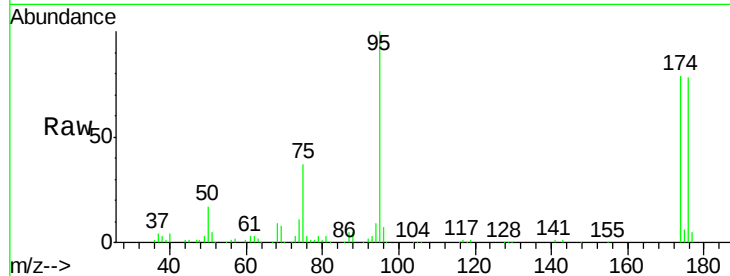




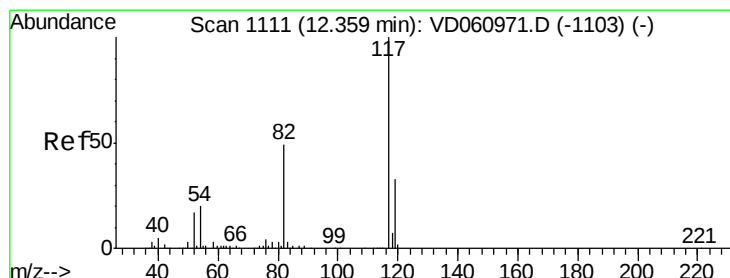
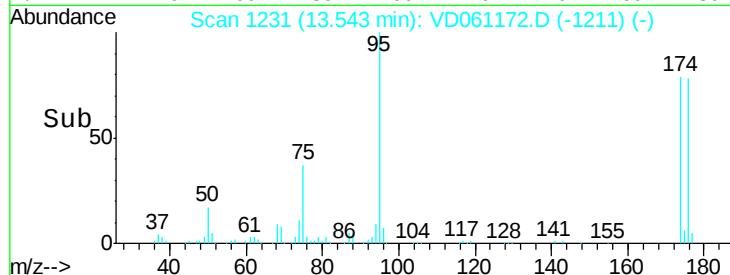
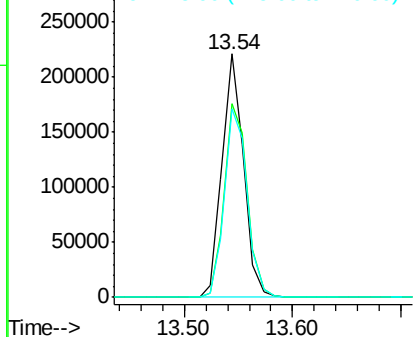
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD061172.D
Acq: 19 Mar 2019 5:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 305612
Ion Ratio Lower Upper
95 100
174 79.4 0.0 155.6
176 77.6 0.0 153.8

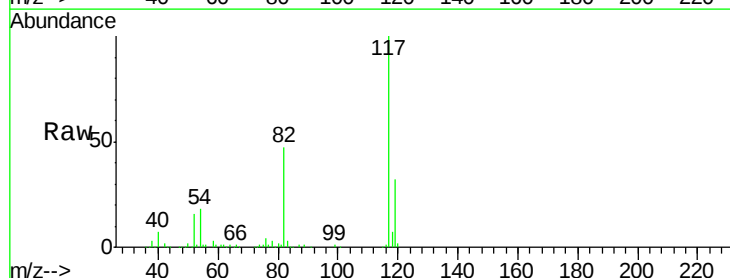


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

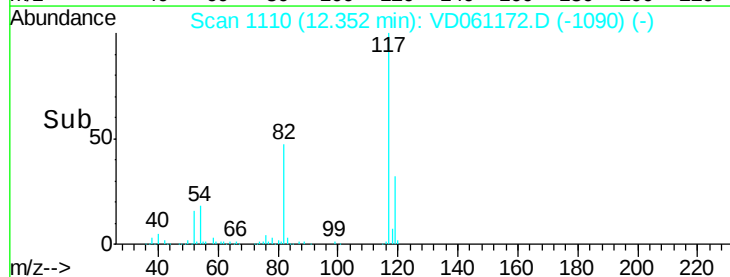
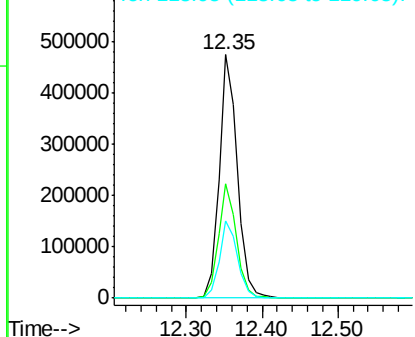


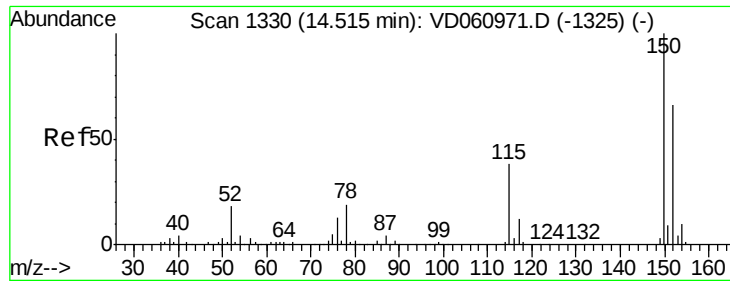
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061172.D
Acq: 19 Mar 2019 5:29

Tgt Ion: 117 Resp: 790008
Ion Ratio Lower Upper
117 100
82 46.9 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

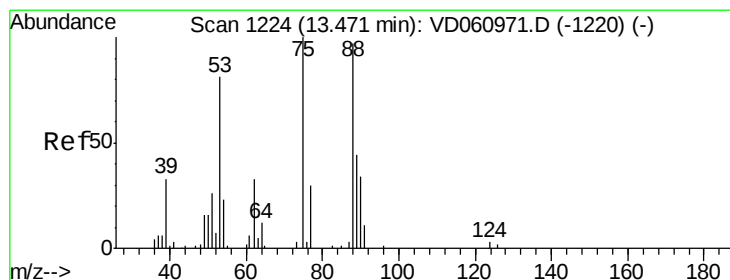
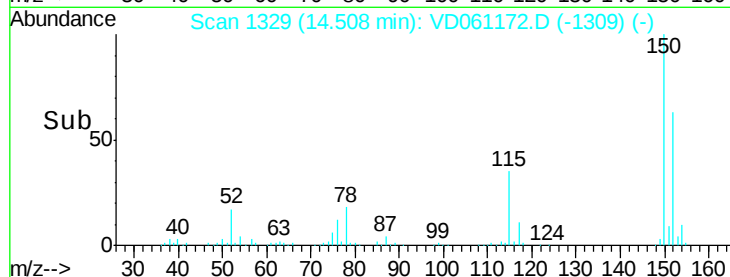
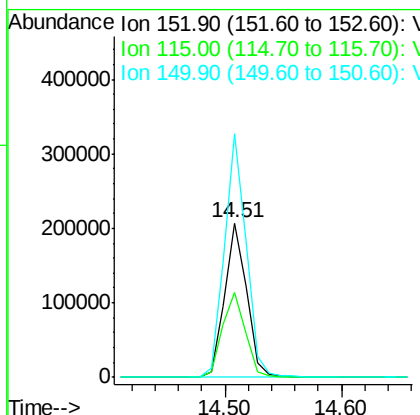
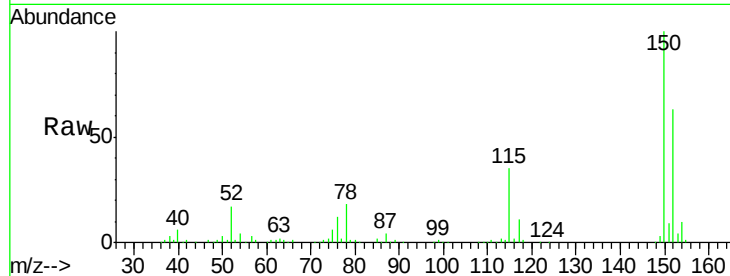




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061172.D
 Acq: 19 Mar 2019 5:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:152 Resp: 271124
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.6 85.9
 150 157.9 0.0 310.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.207 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. 0.07 min
 Lab File: VD061172.D
 Acq: 19 Mar 2019 5:29

Tgt Ion: 75 Resp: 112936
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

