

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061474.D
 Acq On : 1 Apr 2019 17:51
 Operator : VA/AP
 Sample : K2178-09
 Misc : 5.12g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:19:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

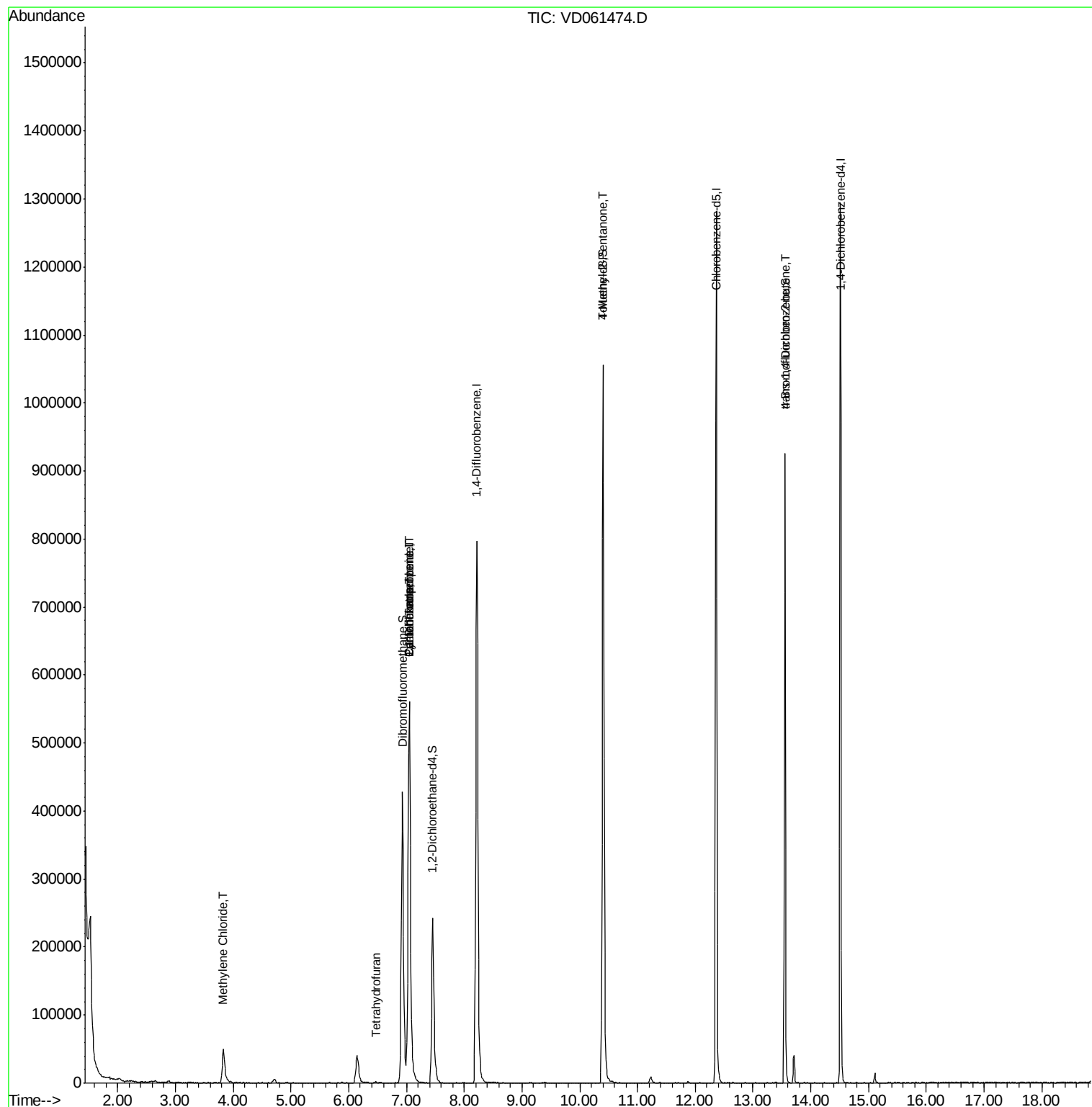
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	614124	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1015207	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	797296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	301348	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	245552	46.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.62%	
35) Dibromofluoromethane	6.93	113	402980	51.94	ug/l	0.03
Spiked Amount 50.000			Recovery	=	103.88%	
50) Toluene-d8	10.40	98	923336	49.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	13.55	95	292304	40.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.94%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	3.83	84	42569	3.863	ug/l	95
29) Tetrahydrofuran	6.46	42	1268	1.542	ug/l #	67
31) Cyclohexane	7.05	56	10011	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	45129	5.093	ug/l #	46
38) Carbon Tetrachloride	7.05	117	58592	5.755	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	3552	1.059	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	109216	82.288	ug/l #	18

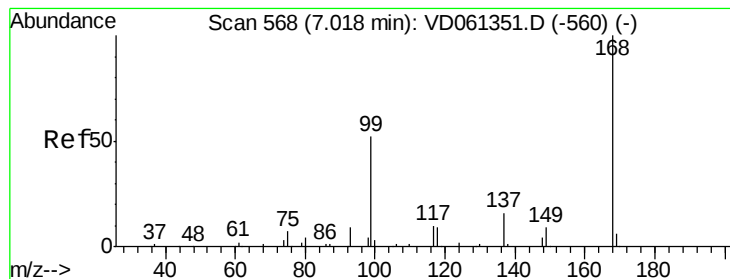
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

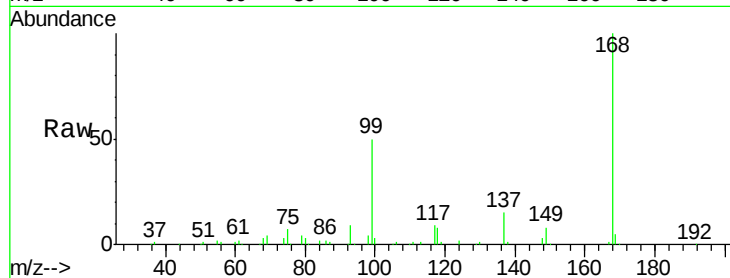
ClientSampleId :

Tot Ion:168 Resp: 614124

Ion Ratio Lower Upper

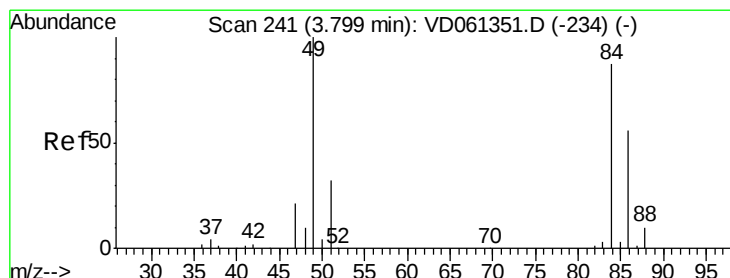
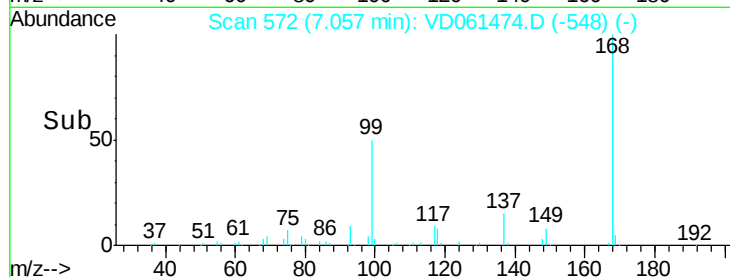
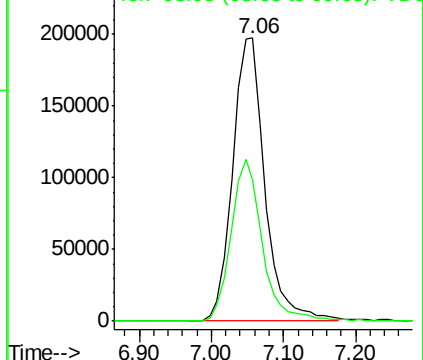
168 100

99 50.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 3.863 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Tgt Ion: 84 Resp: 42569

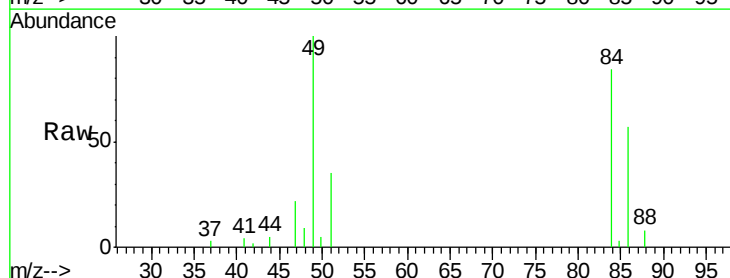
Ion Ratio Lower Upper

84 100

49 119.6 91.8 137.8

51 41.8 29.8 44.8

86 68.2 51.8 77.6

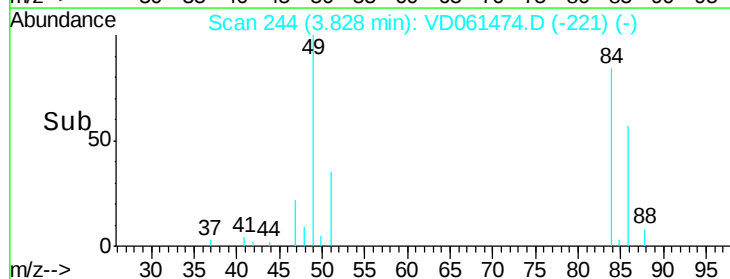
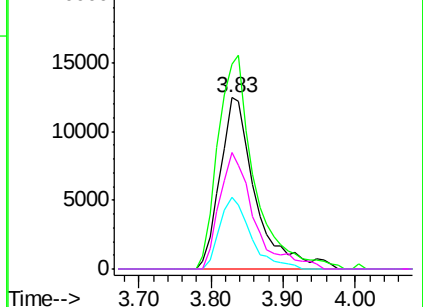


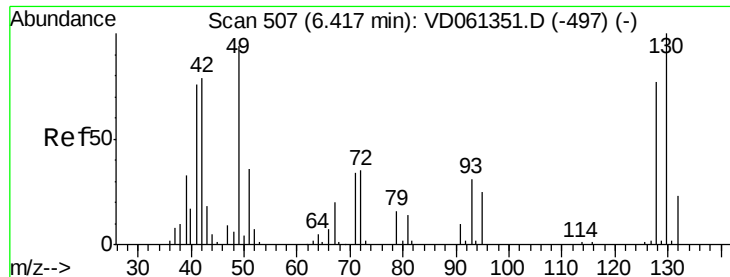
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.542 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.04 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

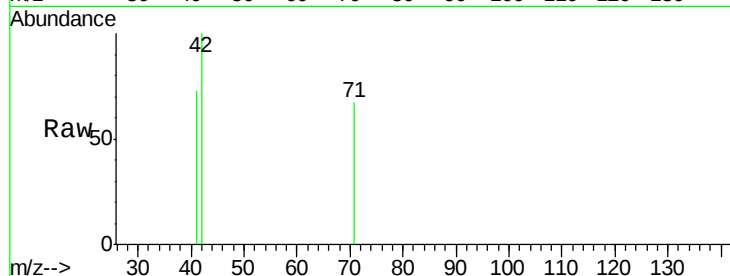
Tot Ion: 42 Resp: 1268

Ion Ratio Lower Upper

42 100

72 15.5 37.4 56.0#

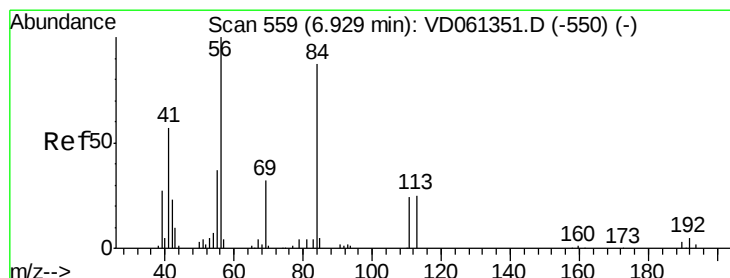
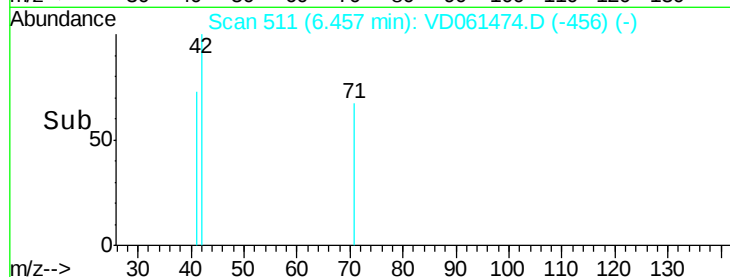
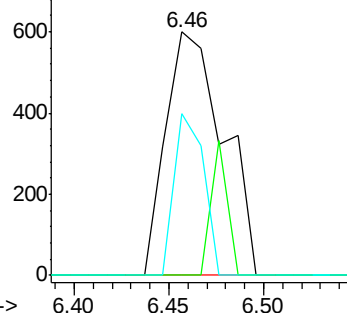
71 33.4 36.7 55.1#



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

Cyclohexane

Concen: 1.108 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.12 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

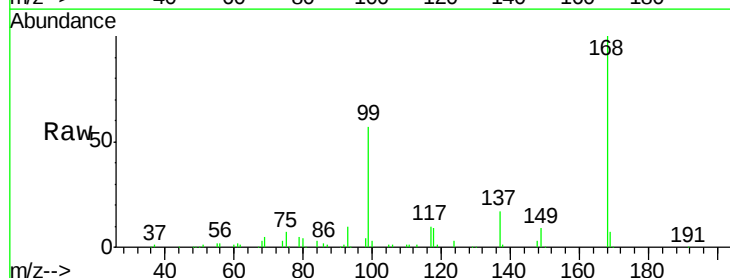
Tgt Ion: 56 Resp: 10011

Ion Ratio Lower Upper

56 100

69 262.5 25.7 38.5#

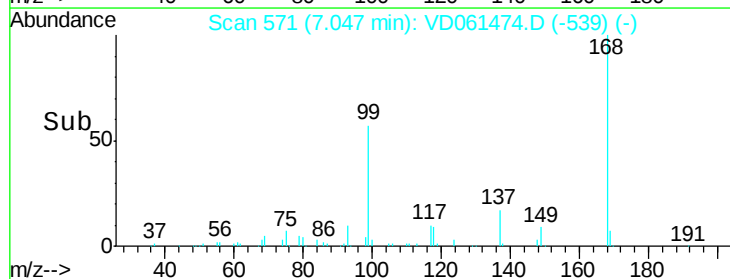
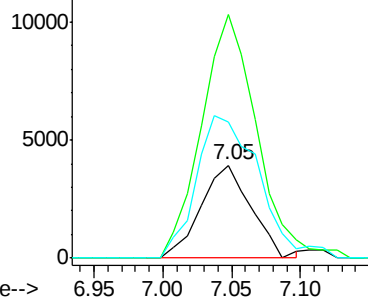
84 146.9 70.6 105.8#

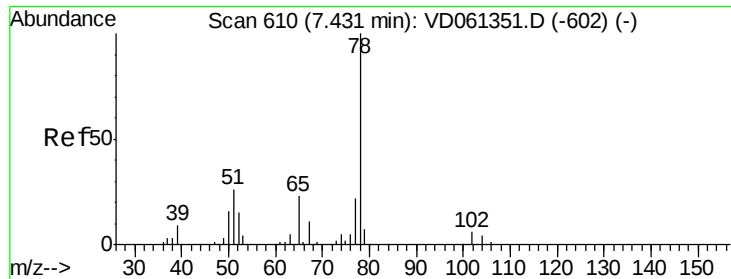


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

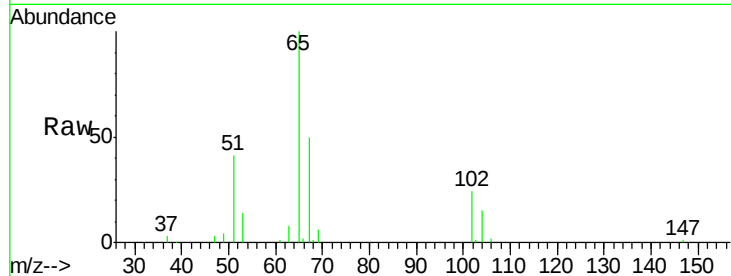
ClientSampleId :

Tot Ion: 65 Resp: 24552

Ion Ratio Lower Upper

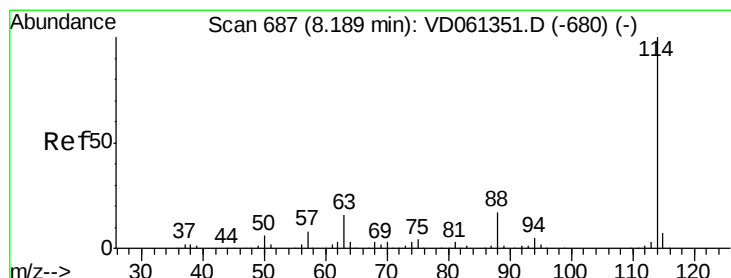
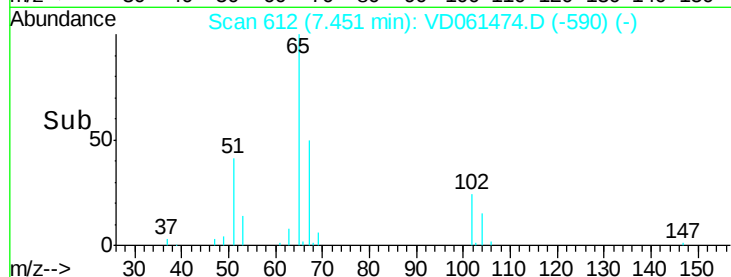
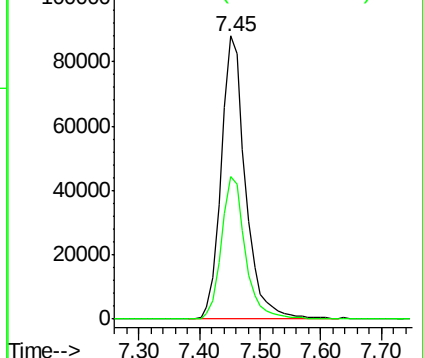
65 100

67 50.4 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: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

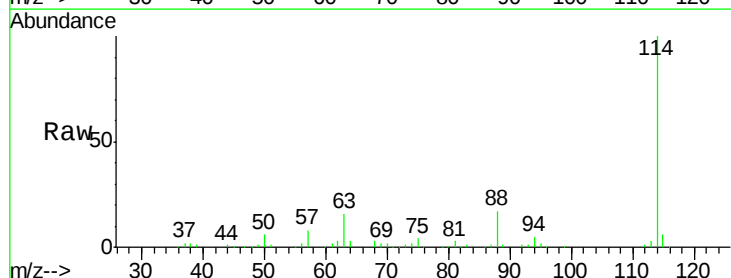
Tgt Ion:114 Resp: 1015207

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.6

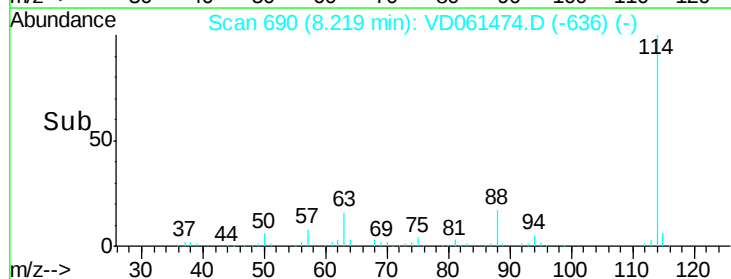
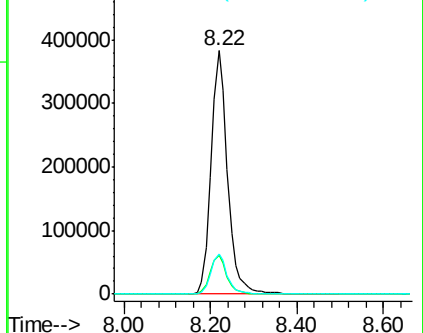
88 16.7 0.0 33.4

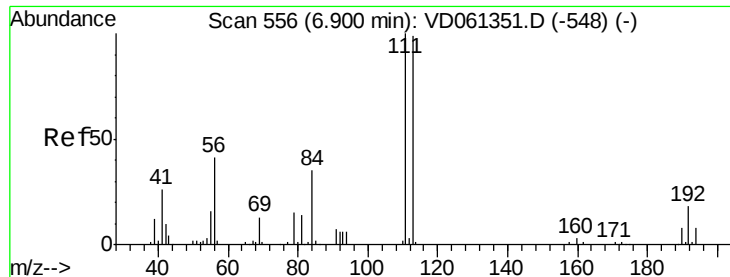


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

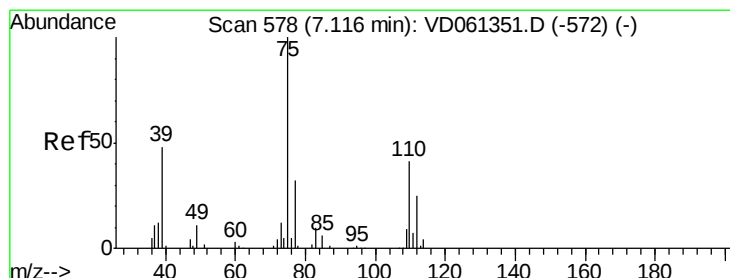
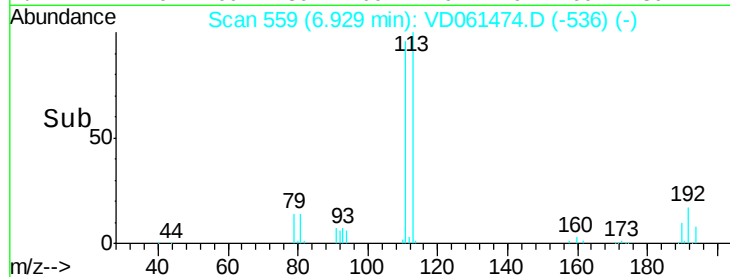
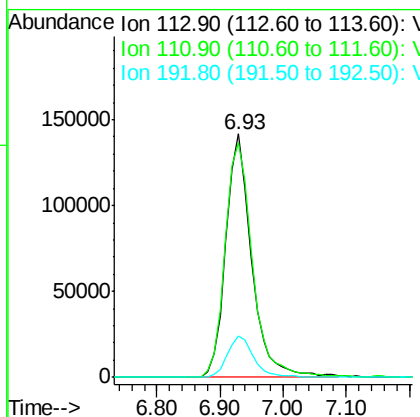
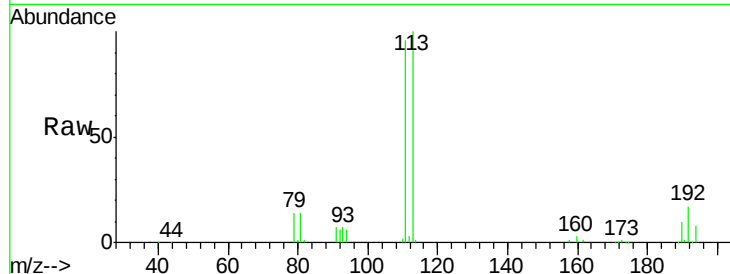




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.03 min
 Lab File: VD061474.D
 Acq: 1 Apr 2019 17:51

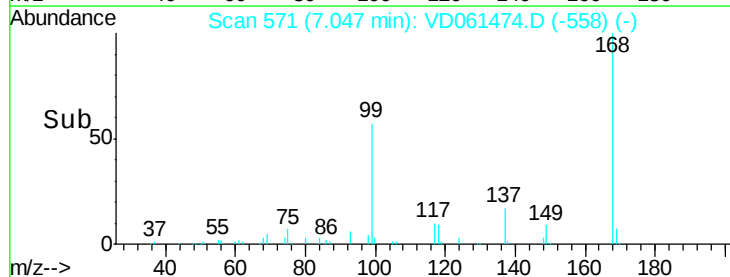
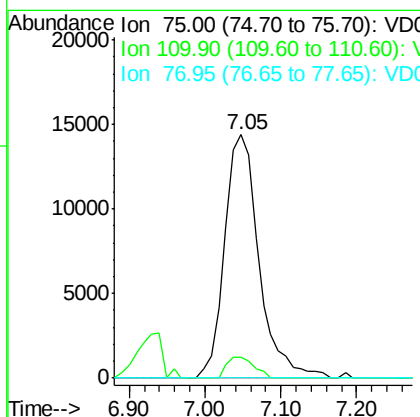
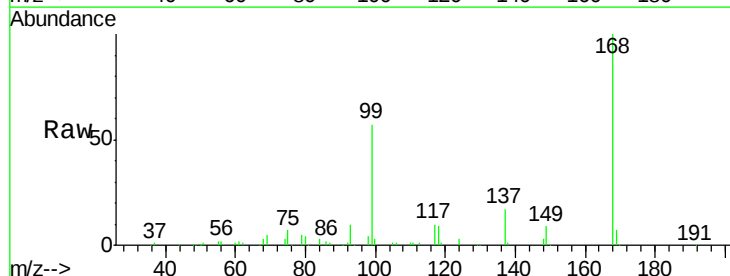
Instrument :
 MSVOA_D
 ClientSampleId :

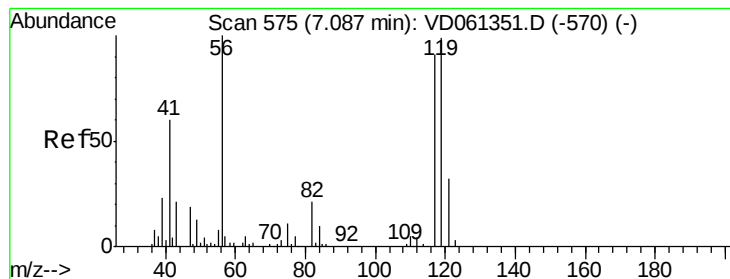
Tot Ion:113 Resp: 402980
 Ion Ratio Lower Upper
 113 100
 111 96.3 81.0 121.6
 192 17.1 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD061474.D
 Acq: 1 Apr 2019 17:51

Tgt Ion: 75 Resp: 45129
 Ion Ratio Lower Upper
 75 100
 110 8.6 20.4 61.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.755 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.04 min

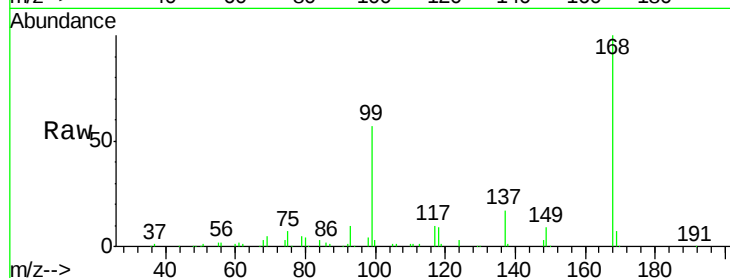
Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampled :



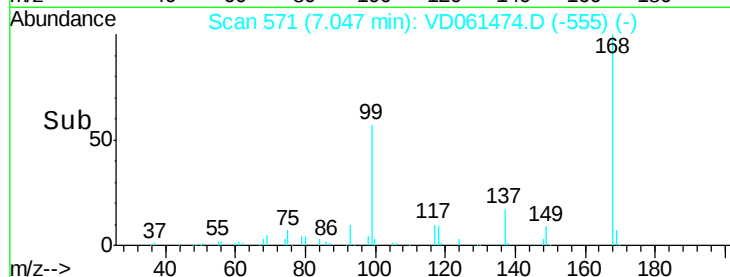
Tot Ion:117 Resp: 58592

Ion Ratio Lower Upper

117 100

119 5.3 80.1 120.1#

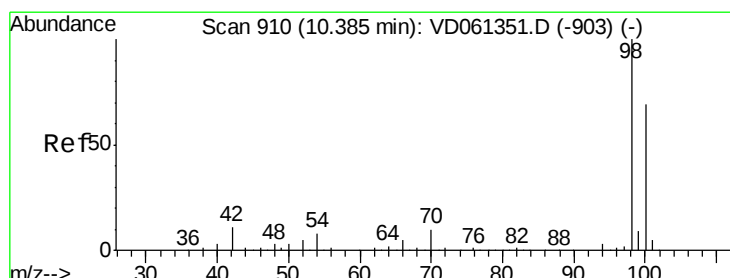
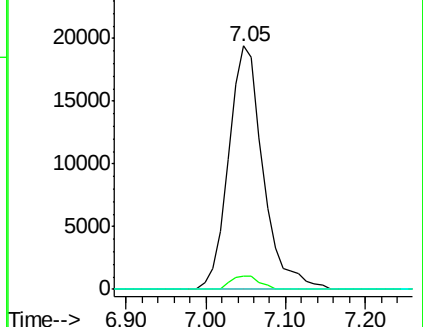
121 0.0 25.6 38.4#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.02 min

Lab File: VD061474.D

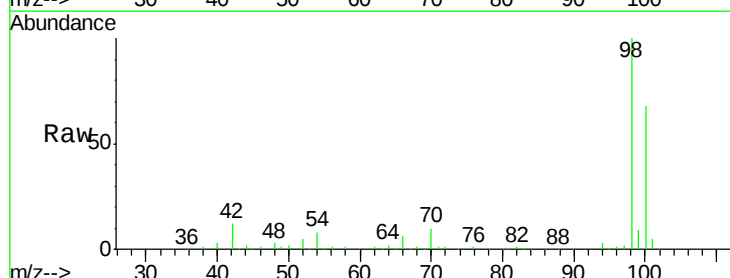
Acq: 1 Apr 2019 17:51

Tgt Ion: 98 Resp: 923336

Ion Ratio Lower Upper

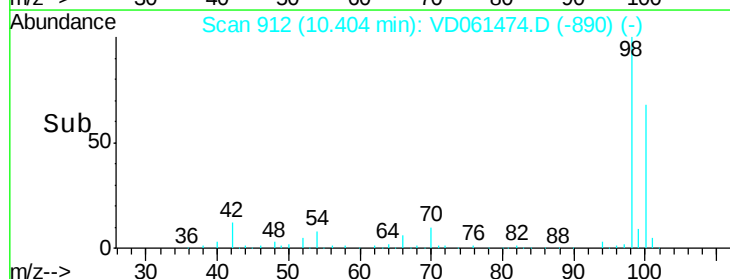
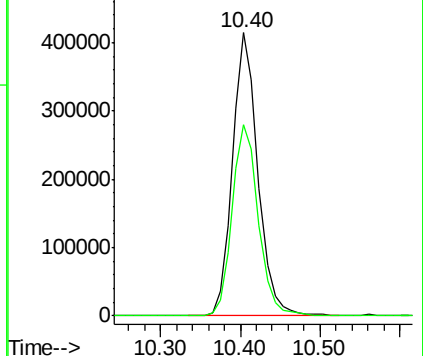
98 100

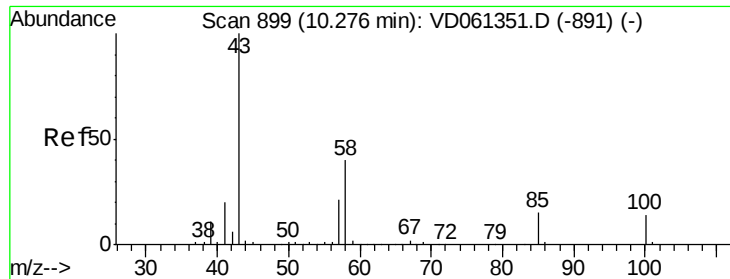
100 67.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.059 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.13 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

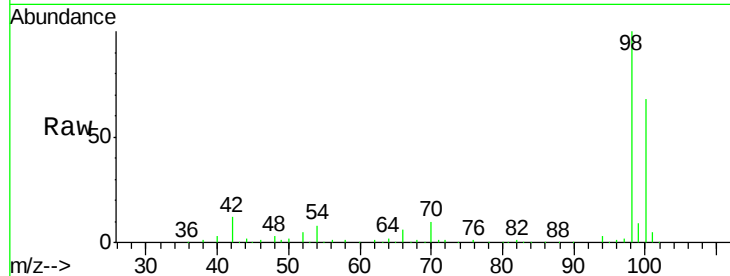
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3552

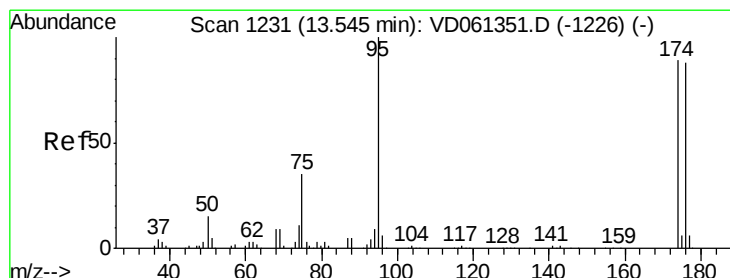
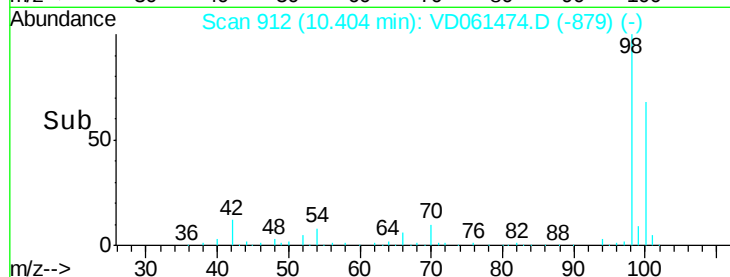
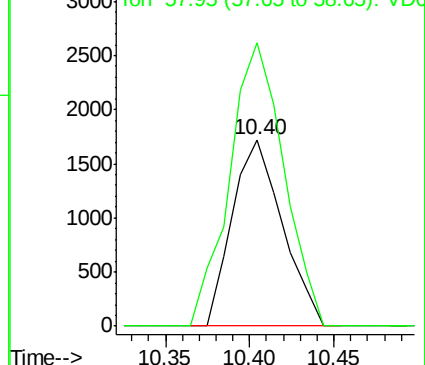
Ion Ratio Lower Upper

43 100

58 151.8 31.8 47.8#



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: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

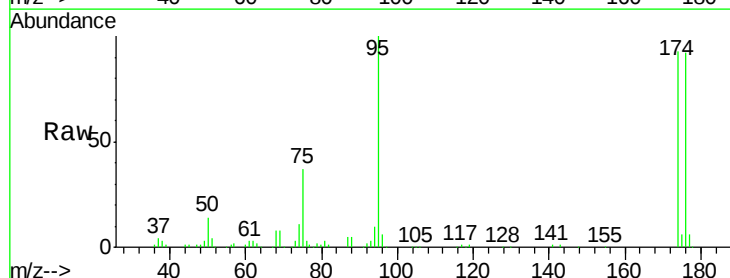
Tgt Ion: 95 Resp: 292304

Ion Ratio Lower Upper

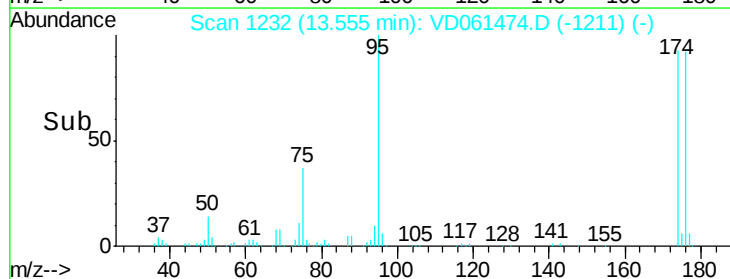
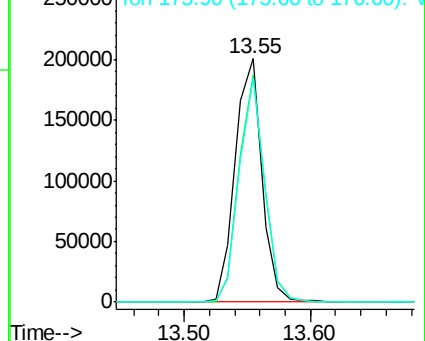
95 100

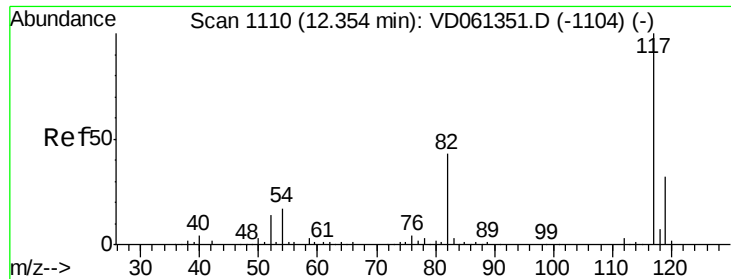
174 93.1 0.0 178.0

176 92.1 0.0 175.0



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

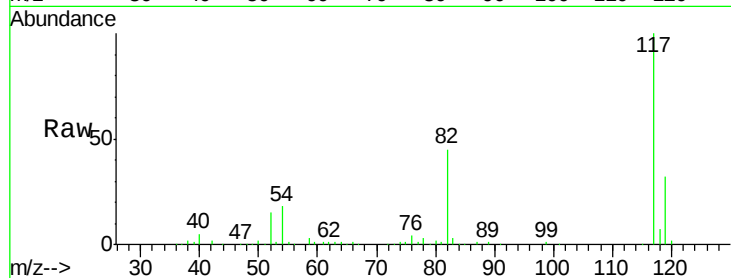




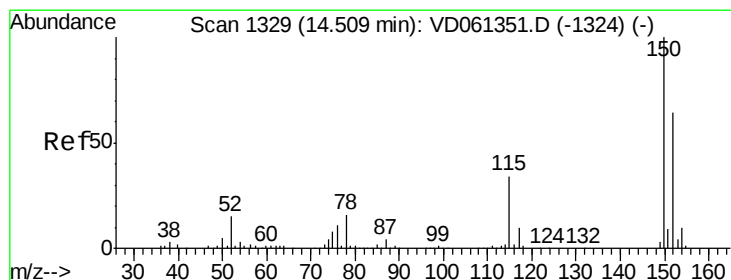
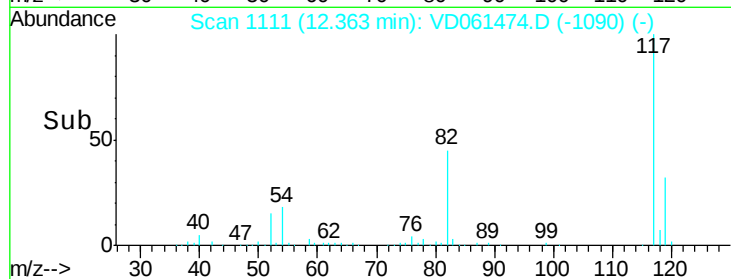
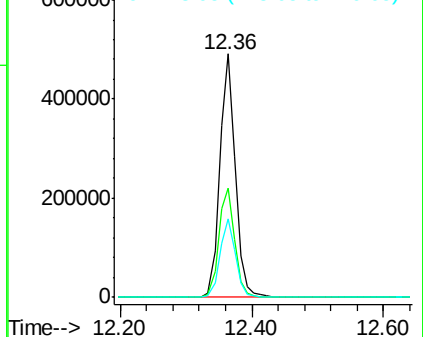
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061474.D
Acq: 1 Apr 2019 17:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 797296
Ion Ratio Lower Upper
117 100
82 45.0 34.4 51.6
119 32.0 25.8 38.6

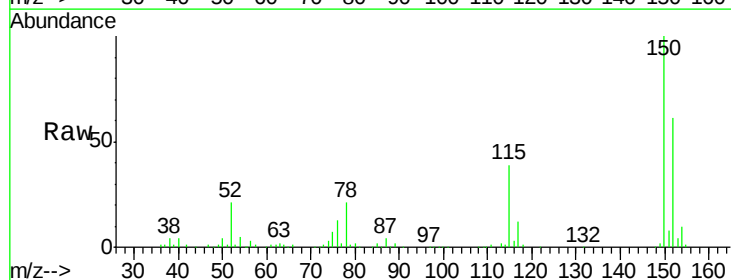


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

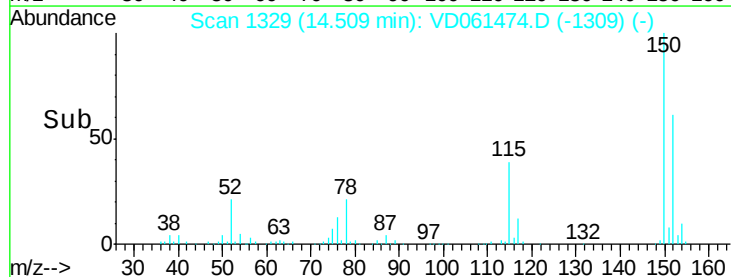
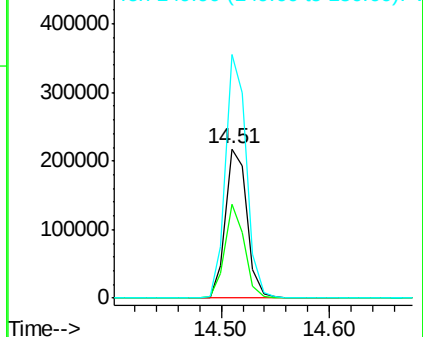


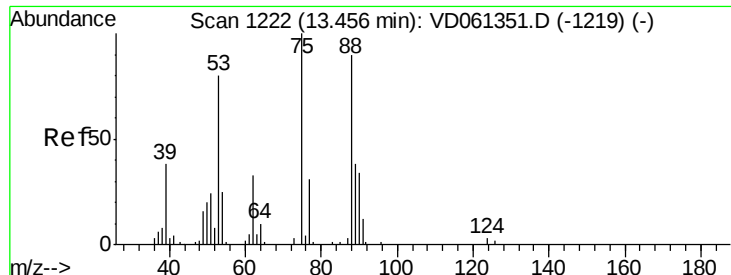
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061474.D
Acq: 1 Apr 2019 17:51

Tgt Ion:152 Resp: 301348
Ion Ratio Lower Upper
152 100
115 62.9 26.9 80.6
150 162.9 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





#81

trans-1,4-Dichloro-2-butene

Concen: 82.288 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061474.D

Acq: 1 Apr 2019 17:51

Instrument :

MSVOA_D

ClientSampleId :

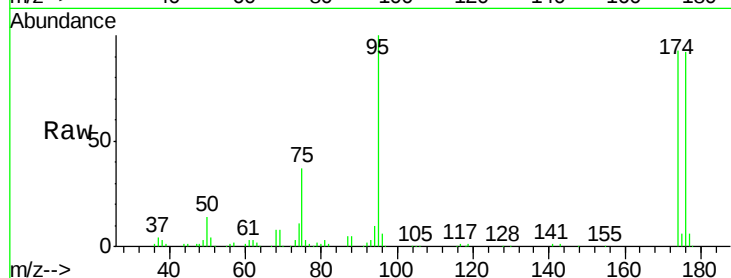
Tot Ion: 75 Resp: 109216

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

