

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061502.D
 Acq On : 2 Apr 2019 8:34
 Operator : VA/AP
 Sample : K2180-26
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 03 00:44:13 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

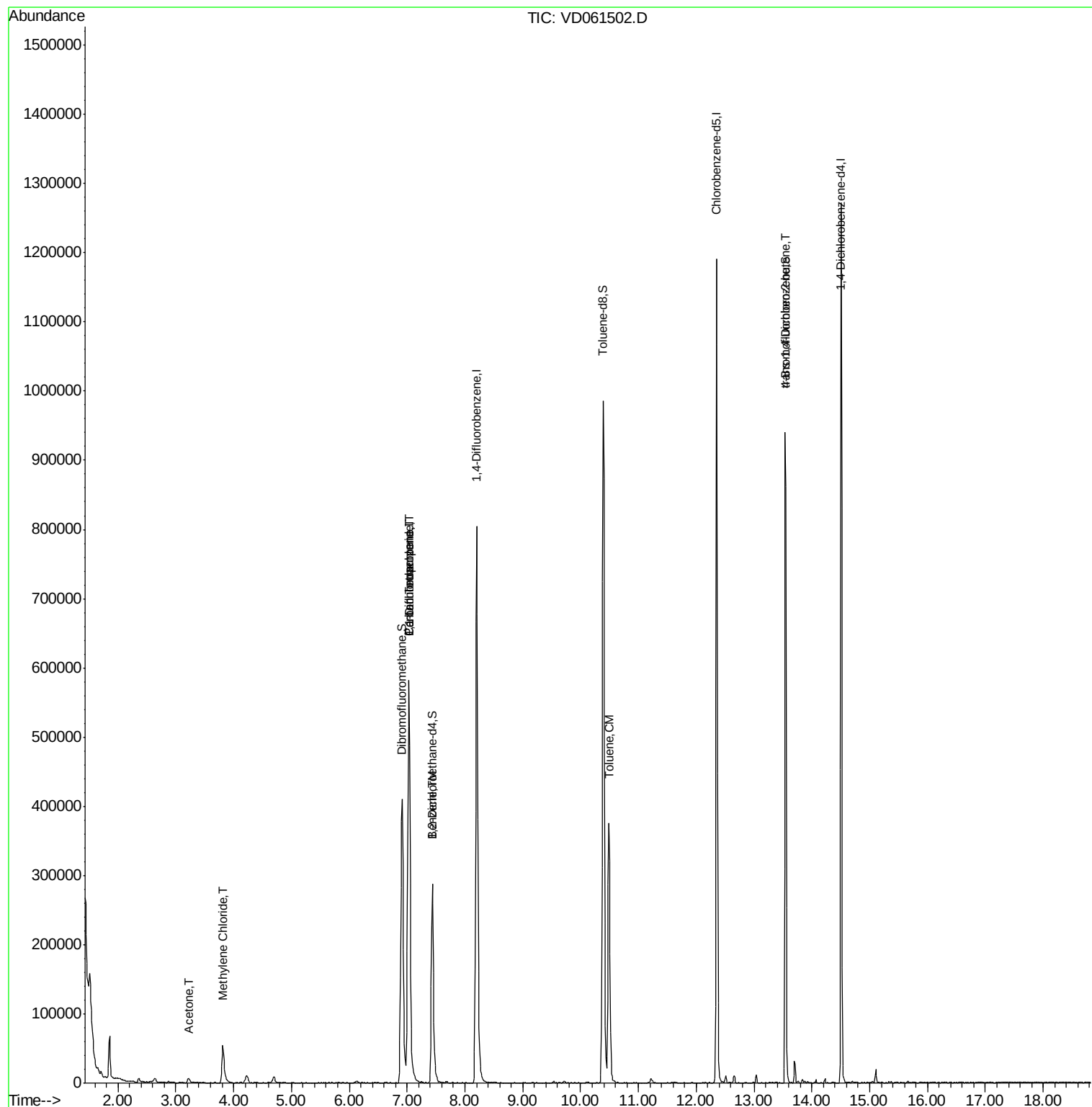
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	616990	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.20	114	1015278	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	787758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	297114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	263738	50.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.08%	
35) Dibromofluoromethane	6.92	113	406639	52.41	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.82%	
50) Toluene-d8	10.39	98	899387	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	13.54	95	324289	45.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	14339	10.583	ug/l #	81
20) Methylene Chloride	3.81	84	42038	3.763	ug/l	96
36) 1,1-Dichloropropene	7.03	75	44436	5.015	ug/l #	44
38) Carbon Tetrachloride	7.03	117	57685	5.665	ug/l #	13
40) Benzene	7.45	78	29380	1.321	ug/l	97
52) Toluene	10.49	92	214778	15.830	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.54	75	121066	92.516	ug/l #	18

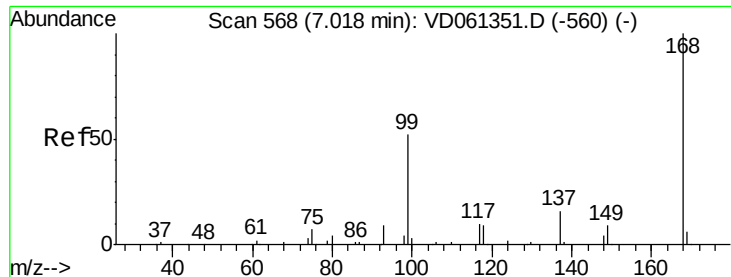
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
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: 7.03 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

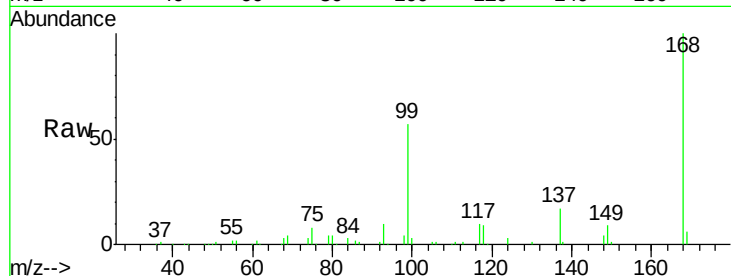
ClientSampleId :

Tot Ion:168 Resp: 616990

Ion Ratio Lower Upper

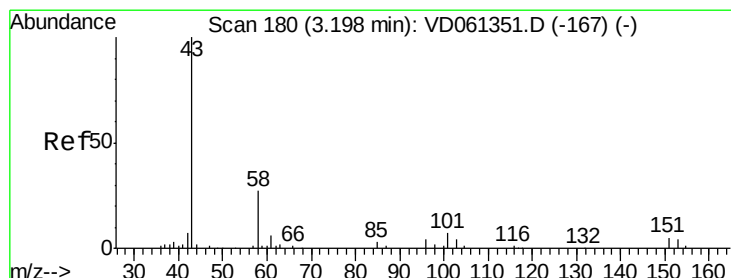
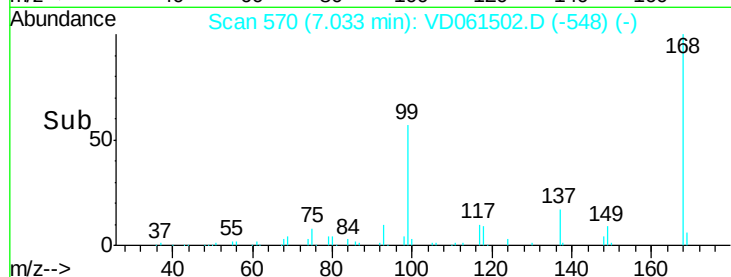
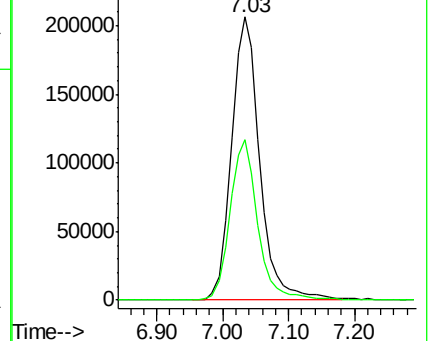
168 100

99 56.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 10.583 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061502.D

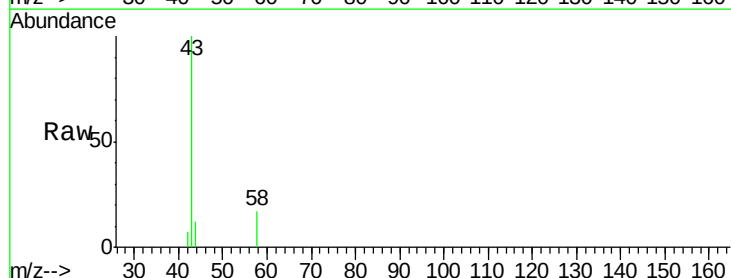
Acq: 2 Apr 2019 8:34

Tgt Ion: 43 Resp: 14339

Ion Ratio Lower Upper

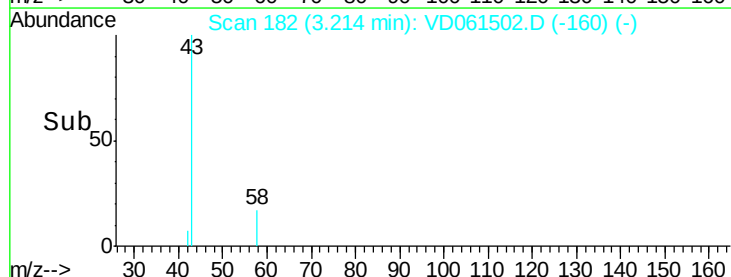
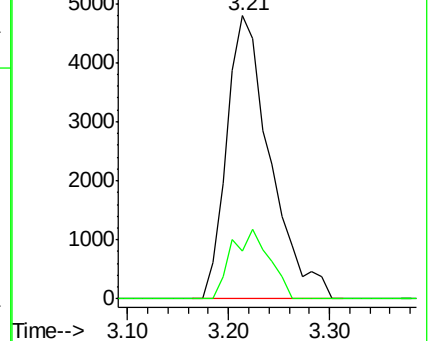
43 100

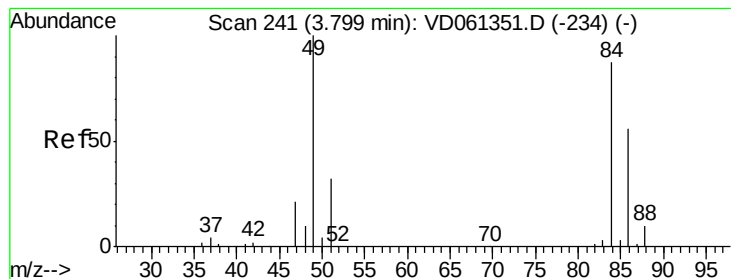
58 17.1 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.763 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 42038

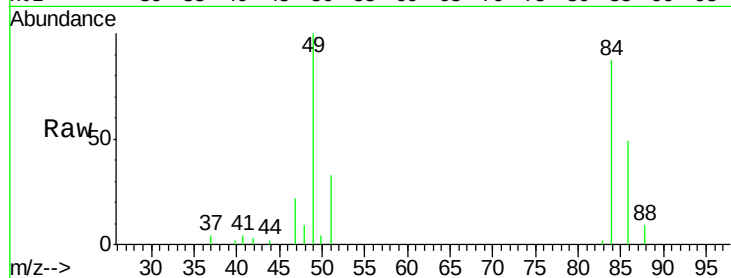
Ion Ratio Lower Upper

84 100

49 114.6 91.8 137.8

51 37.9 29.8 44.8

86 56.1 51.8 77.6

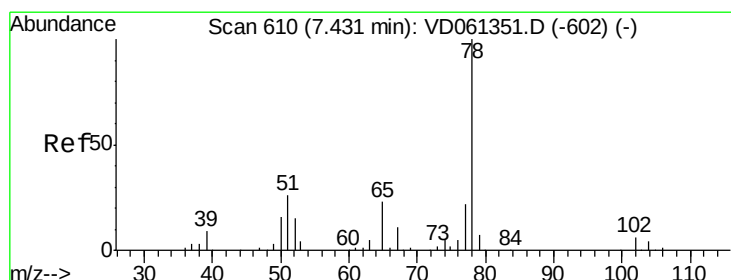
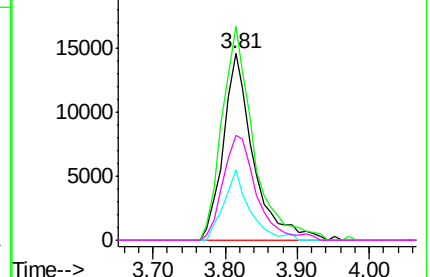
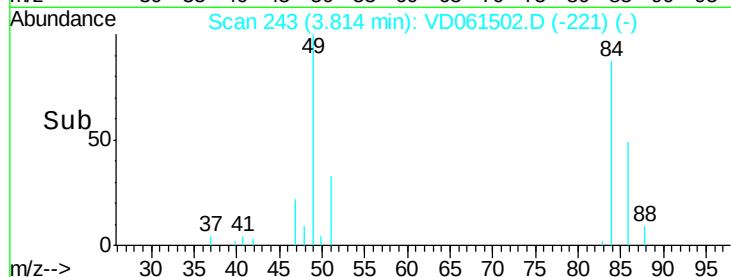


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061502.D

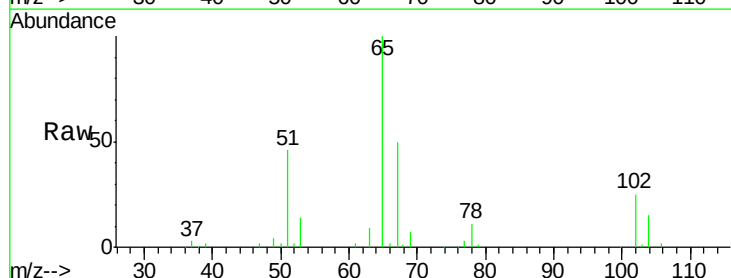
Acq: 2 Apr 2019 8:34

Tgt Ion: 65 Resp: 263738

Ion Ratio Lower Upper

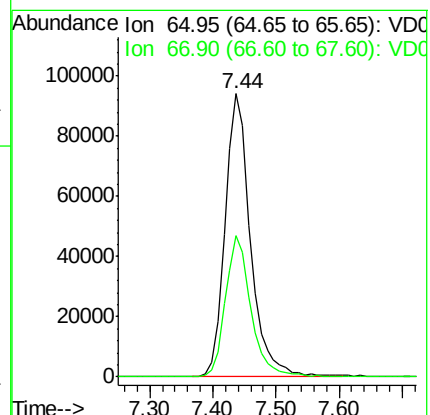
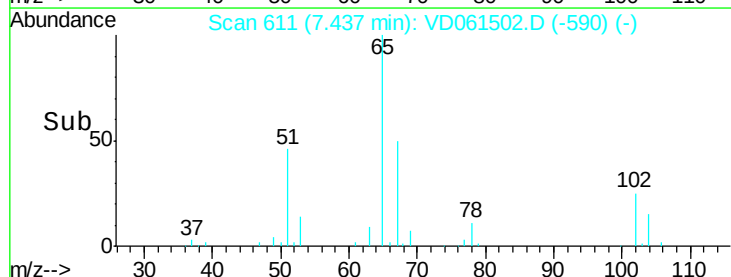
65 100

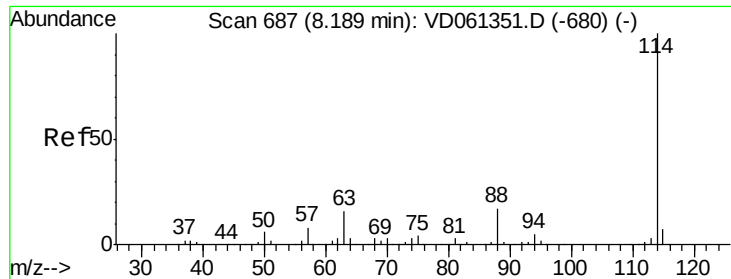
67 50.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

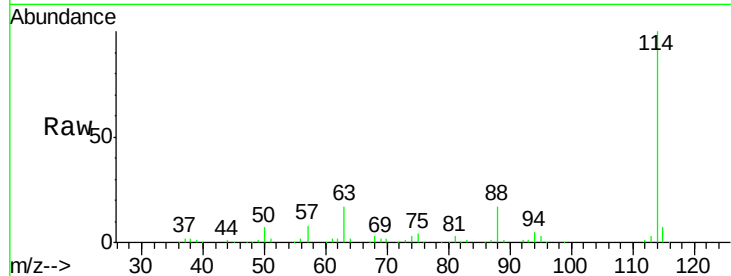




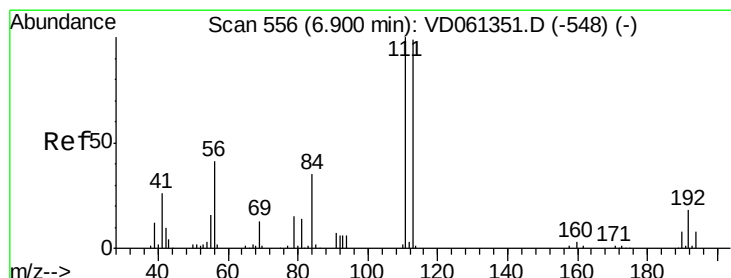
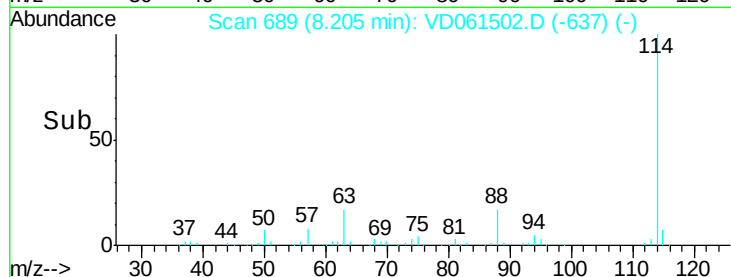
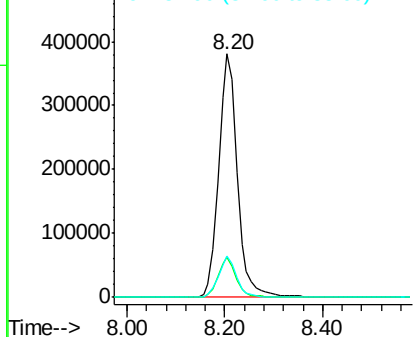
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061502.D
 Acq: 2 Apr 2019 8:34

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 1015278
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 17.0 0.0 33.4

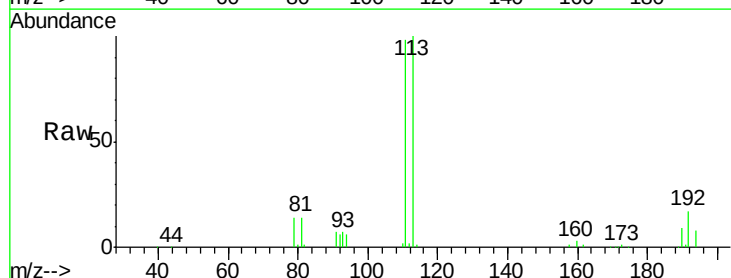


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

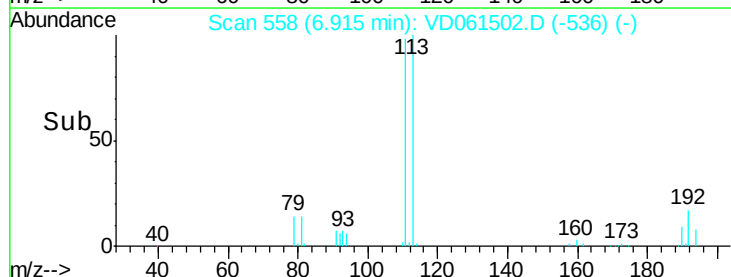
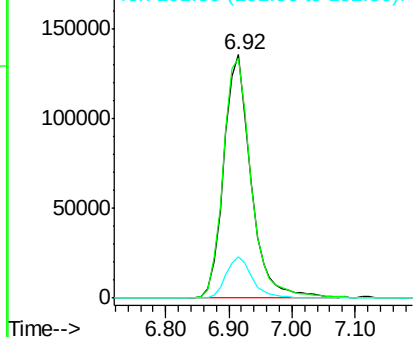


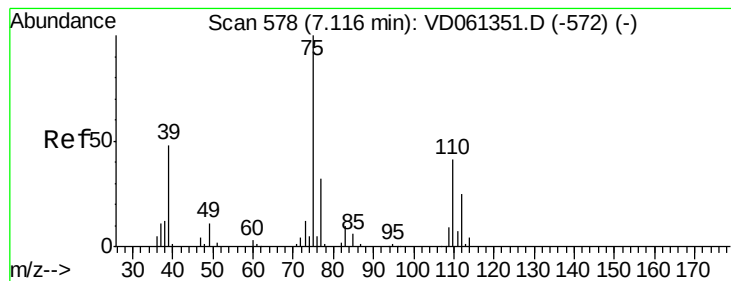
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061502.D
 Acq: 2 Apr 2019 8:34

Tgt Ion:113 Resp: 406639
 Ion Ratio Lower Upper
 113 100
 111 98.5 81.0 121.6
 192 16.8 14.4 21.6



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: 5.015 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

ClientSampled :

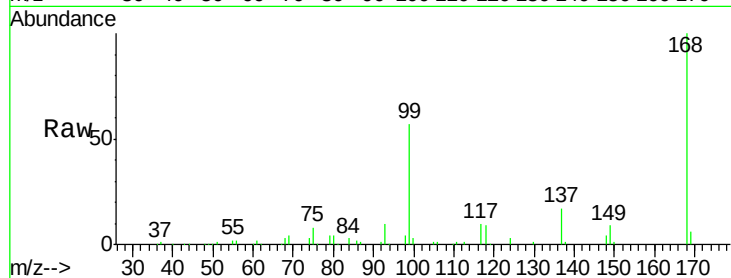
Tot Ion: 75 Resp: 44436

Ion Ratio Lower Upper

75 100

110 6.0 20.4 61.3#

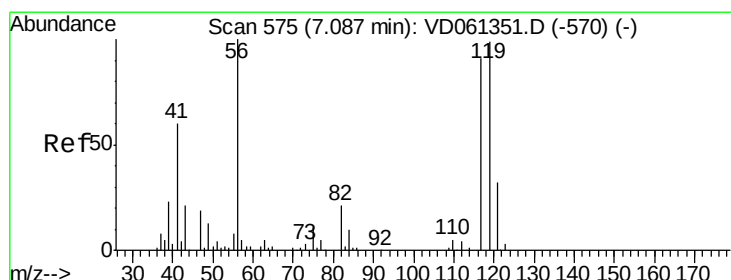
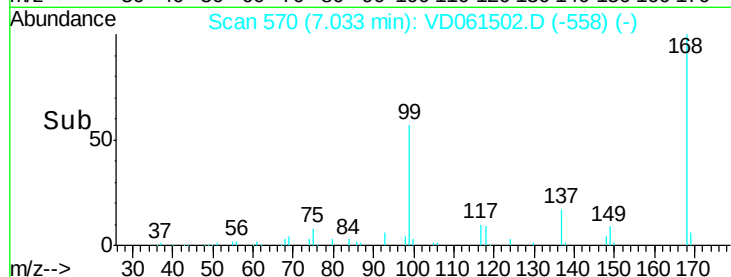
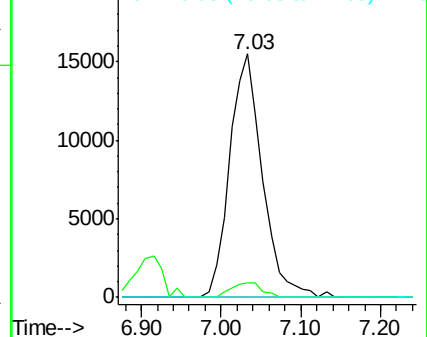
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

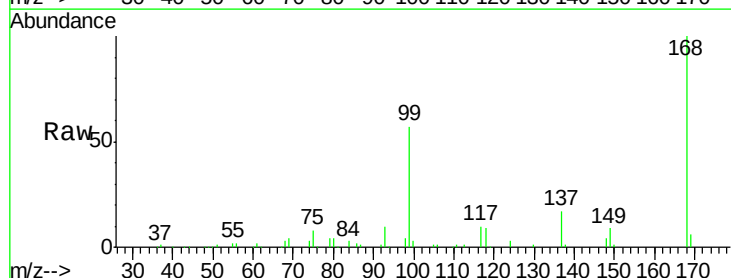
Tgt Ion: 117 Resp: 57685

Ion Ratio Lower Upper

117 100

119 4.2 80.1 120.1#

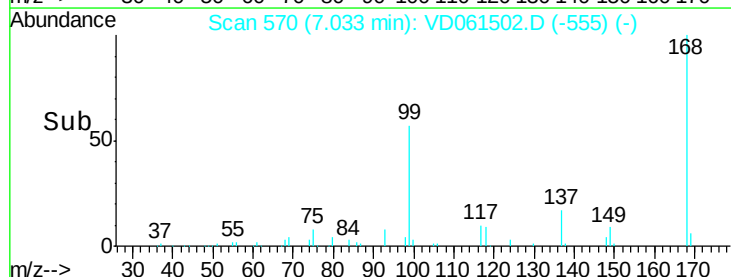
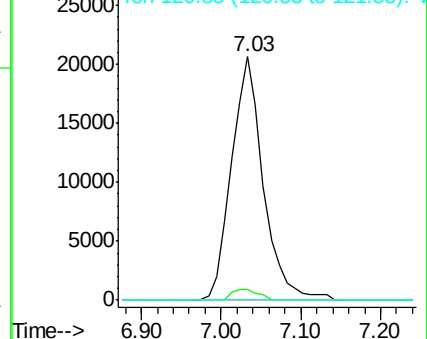
121 0.0 25.6 38.4#

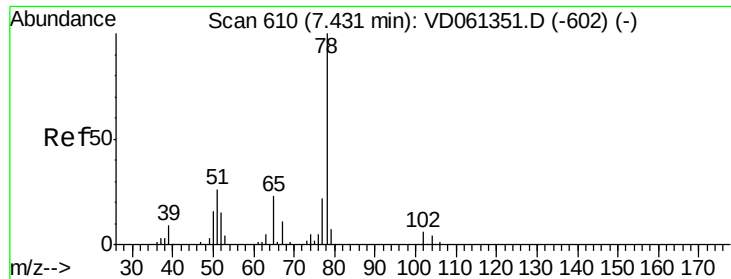


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 1.321 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

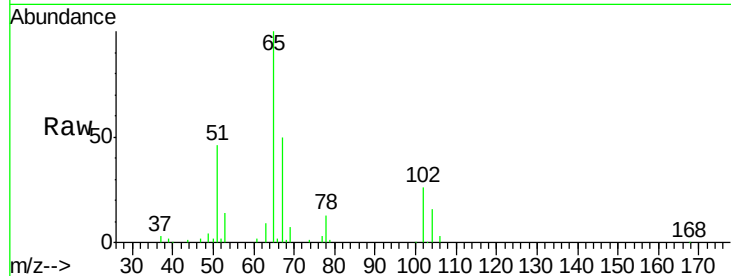
ClientSampleId :

Tot Ion: 78 Resp: 29380

Ion Ratio Lower Upper

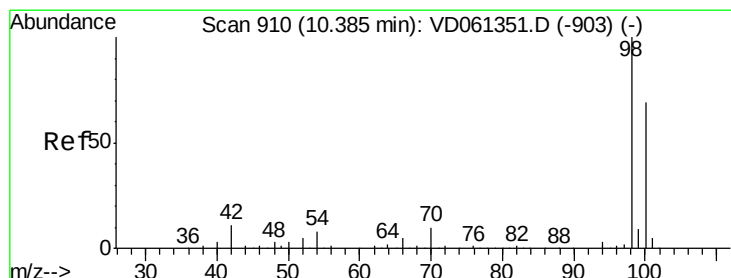
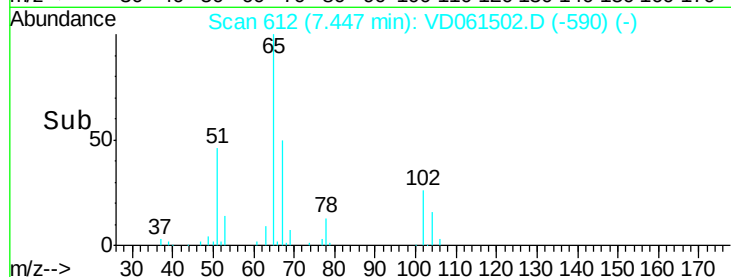
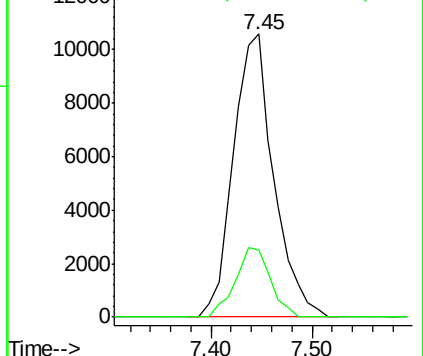
78 100

77 23.8 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061502.D

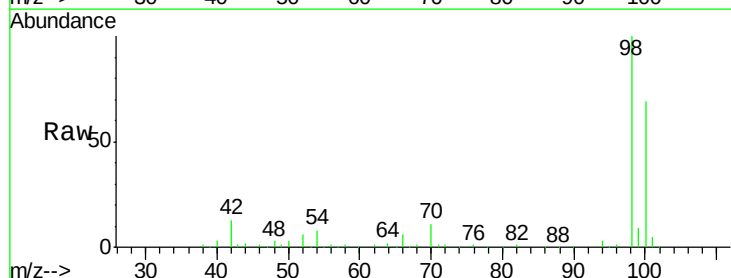
Acq: 2 Apr 2019 8:34

Tgt Ion: 98 Resp: 899387

Ion Ratio Lower Upper

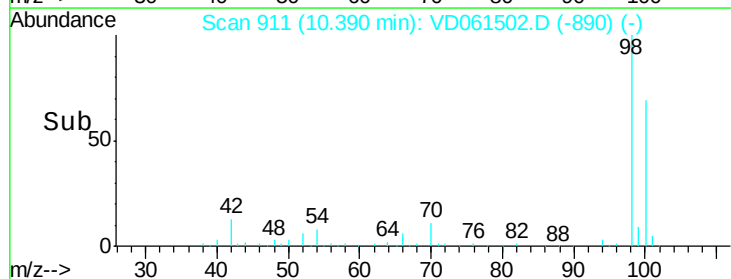
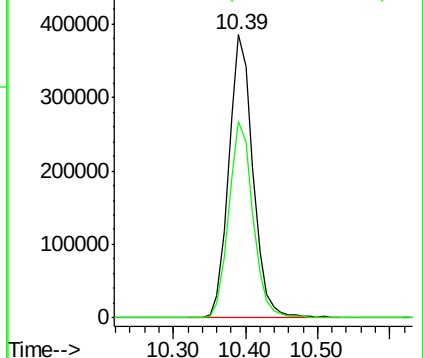
98 100

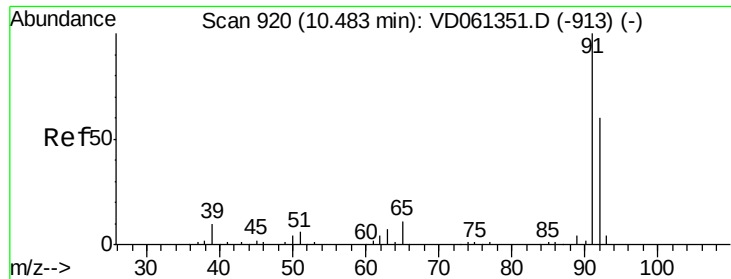
100 69.3 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 15.830 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

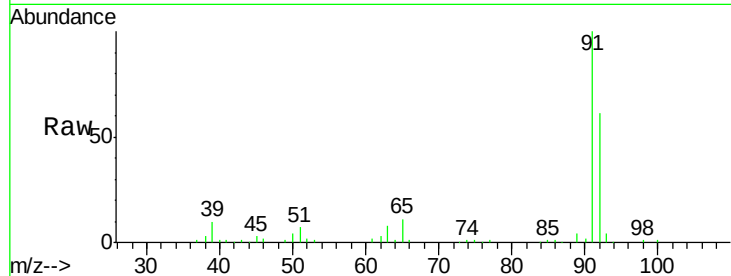
ClientSampleId :

Tot Ion: 92 Resp: 214778

Ion Ratio Lower Upper

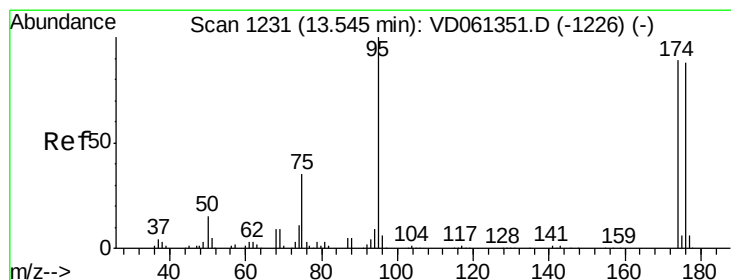
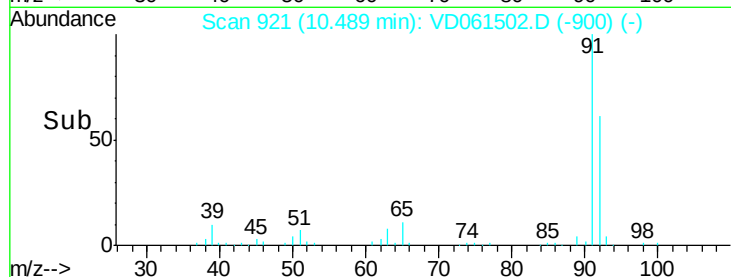
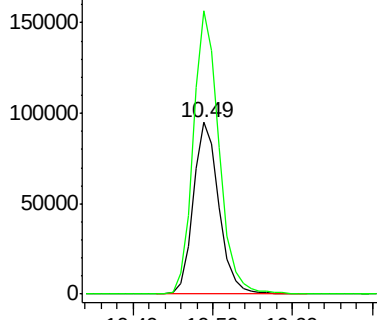
92 100

91 164.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

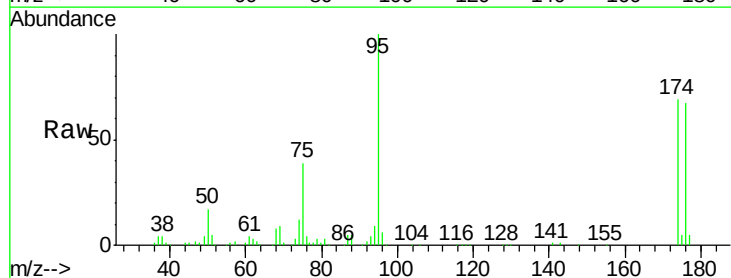
Tgt Ion: 95 Resp: 324289

Ion Ratio Lower Upper

95 100

174 69.5 0.0 178.0

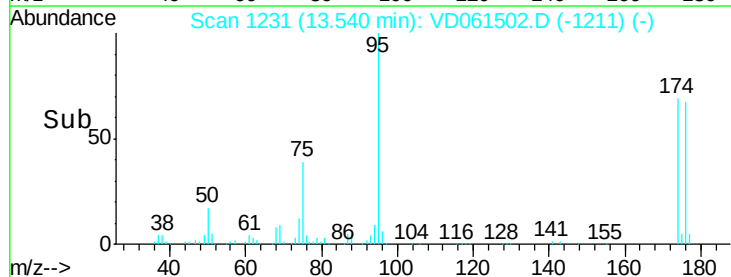
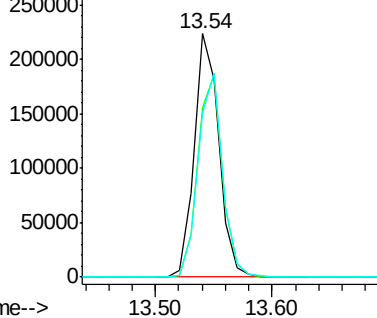
176 67.2 0.0 175.0

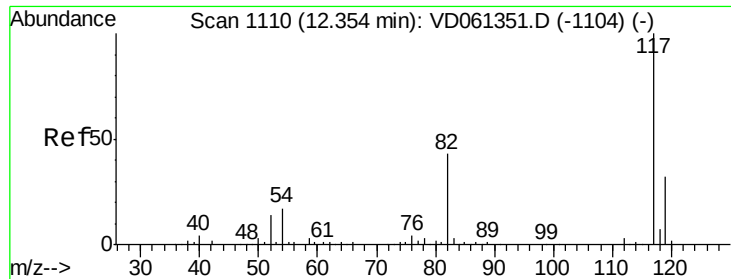


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

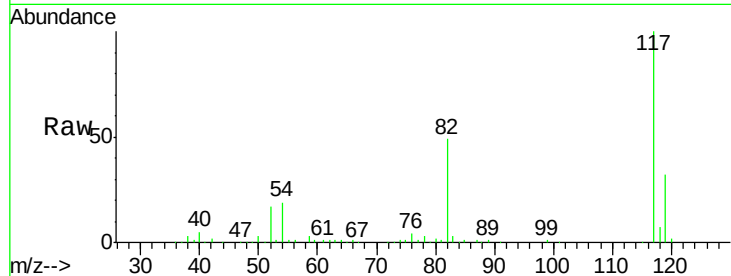




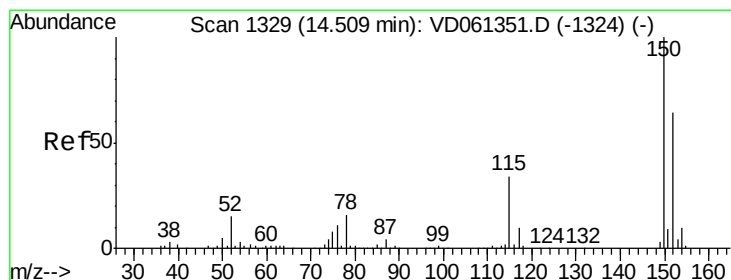
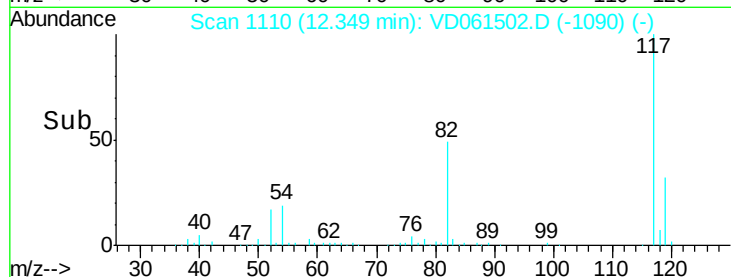
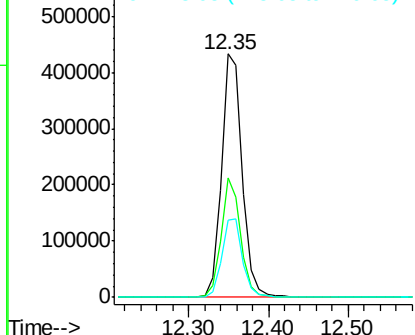
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061502.D
Acq: 2 Apr 2019 8:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 787758
Ion Ratio Lower Upper
117 100
82 49.2 34.4 51.6
119 31.8 25.8 38.6

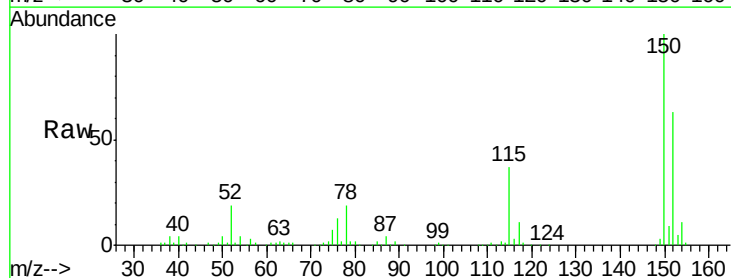


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

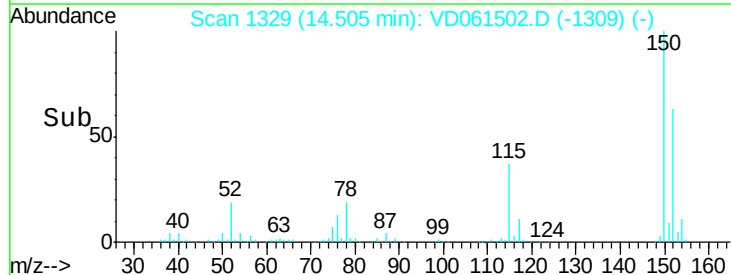
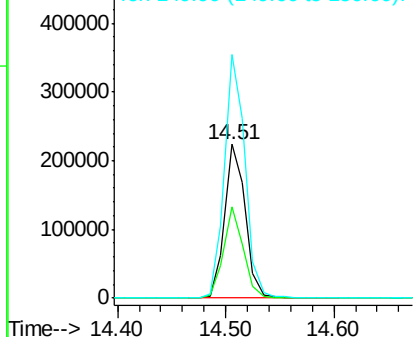


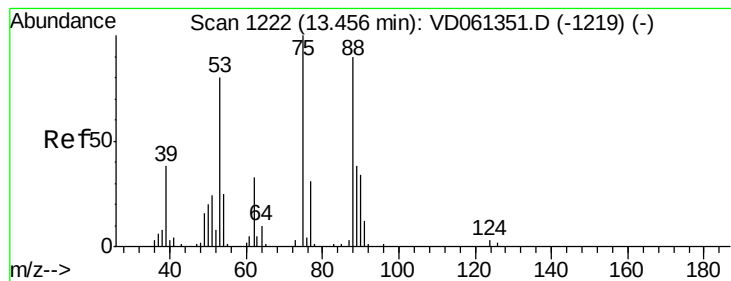
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061502.D
Acq: 2 Apr 2019 8:34

Tgt Ion:152 Resp: 297114
Ion Ratio Lower Upper
152 100
115 59.2 26.9 80.6
150 158.3 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: 92.516 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061502.D

Acq: 2 Apr 2019 8:34

Instrument :

MSVOA_D

ClientSampleId :

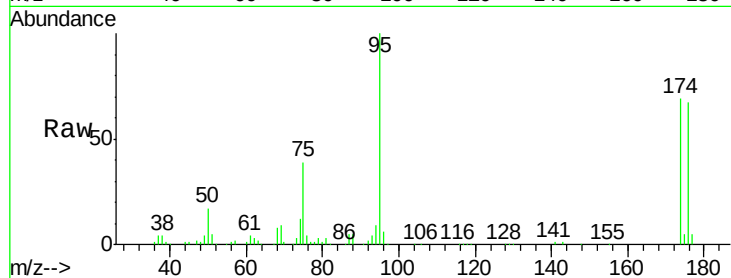
Tot Ion: 75 Resp: 121066

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

