

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061593.D
 Acq On : 4 Apr 2019 21:50
 Operator : VA/AP
 Sample : K2240-01
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:41:01 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

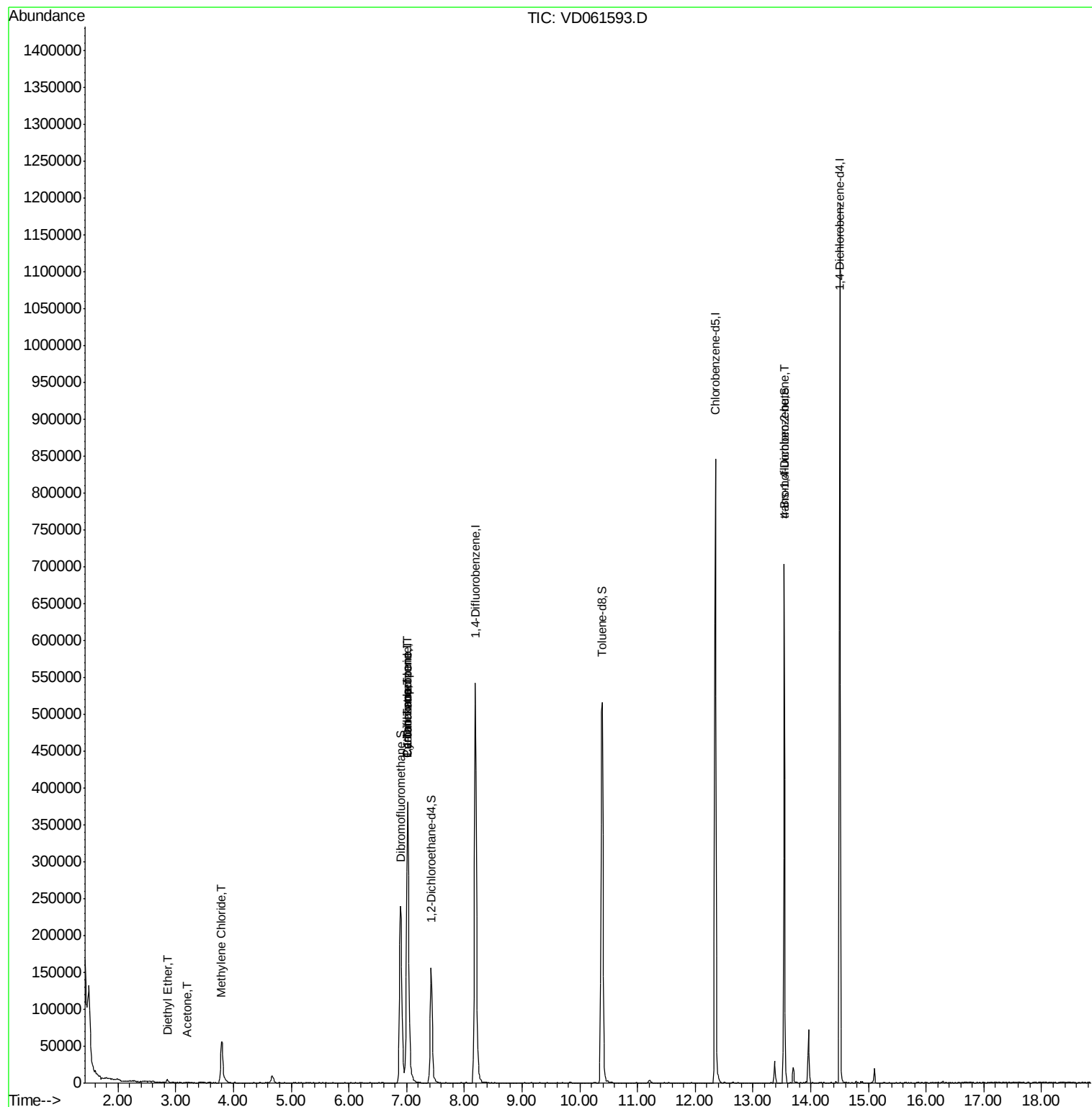
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	402012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	669965	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	537530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	263039	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	159742	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	6.89	113	234007	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
50) Toluene-d8	10.39	98	486803	39.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.28%	
62) 4-Bromofluorobenzene	13.54	95	207001	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	
Target Compounds						
8) Diethyl Ether	2.86	74	1713	1.138	ug/l	82
16) Acetone	3.20	43	1713	1.940	ug/l #	48
20) Methylene Chloride	3.80	84	41180	6.663	ug/l	91
31) Cyclohexane	7.02	56	6702	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	29748	5.088	ug/l #	43
38) Carbon Tetrachloride	7.02	117	39530	5.883	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	77273	66.700	ug/l #	18

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061593.D
Acq On : 4 Apr 2019 21:50
Operator : VA/AP
Sample : K2240-01
Misc : 5.03g/5ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 05 01:41:01 2019
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: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Instrument :

MSVOA_D

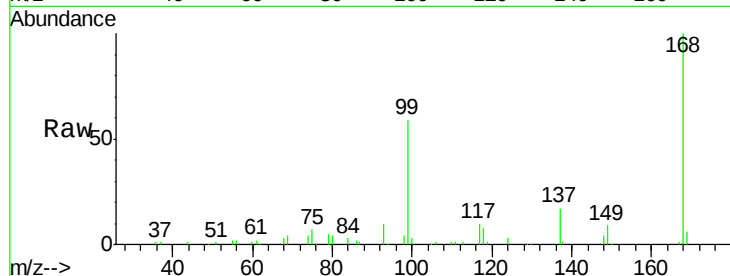
ClientSampleId :

Tot Ion:168 Resp: 402012

Ion Ratio Lower Upper

168 100

99 59.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

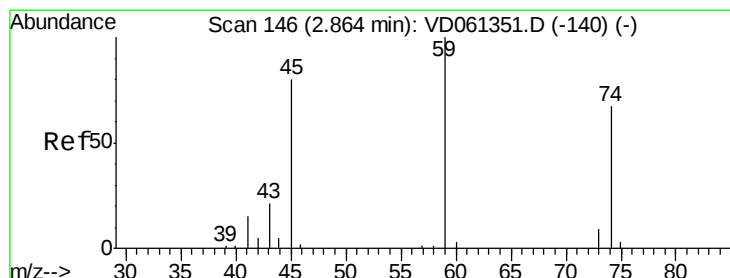
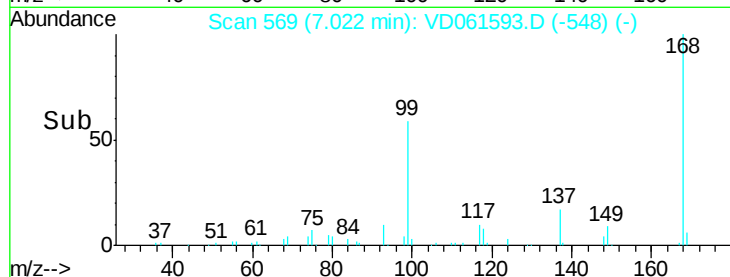
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.138 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD061593.D

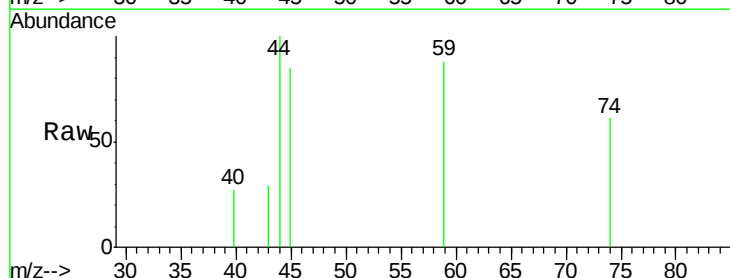
Acq: 4 Apr 2019 21:50

Tgt Ion: 74 Resp: 1713

Ion Ratio Lower Upper

74 100

45 139.7 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

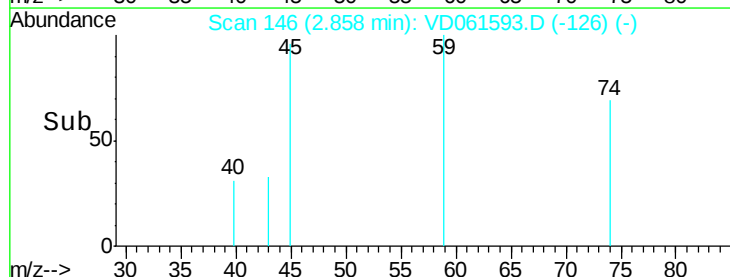
1500

1000

500

0

Time-->





#16

Acetone

Concen: 1.940 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Instrument :

MSVOA_D

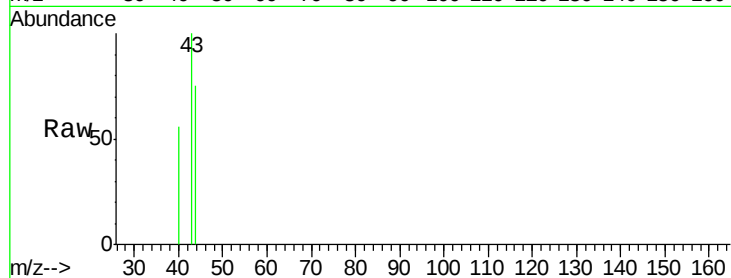
ClientSampleId :

Tot Ion: 43 Resp: 1713

Ion Ratio Lower Upper

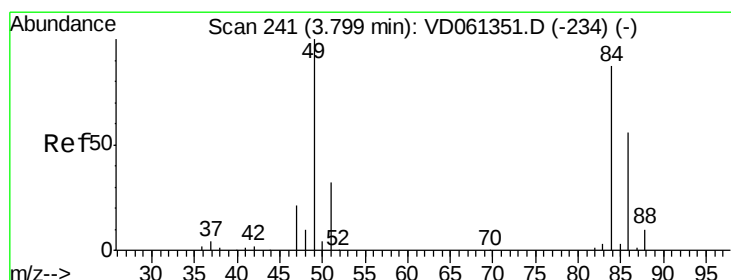
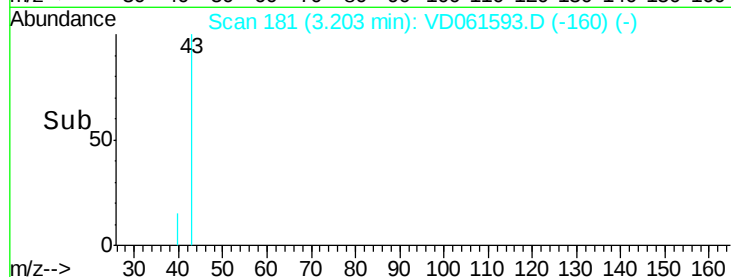
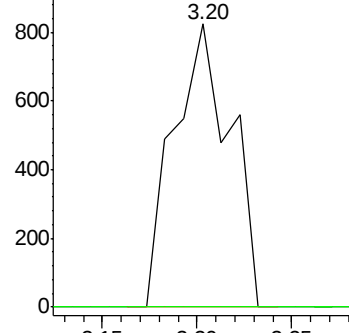
43 100

58 0.0 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: 6.663 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Tgt Ion: 84 Resp: 41180

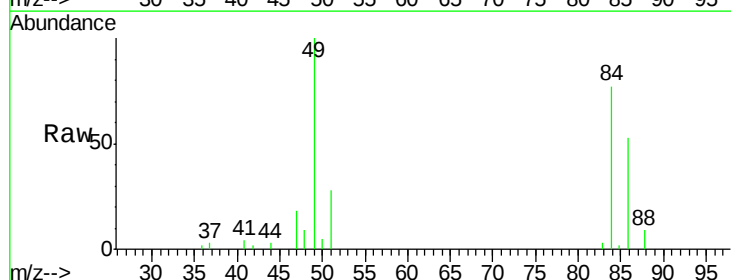
Ion Ratio Lower Upper

84 100

49 129.6 91.8 137.8

51 35.9 29.8 44.8

86 68.1 51.8 77.6

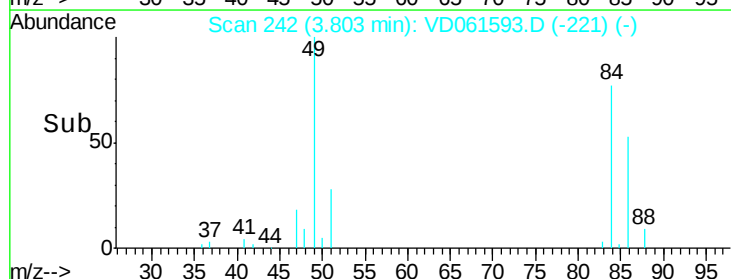
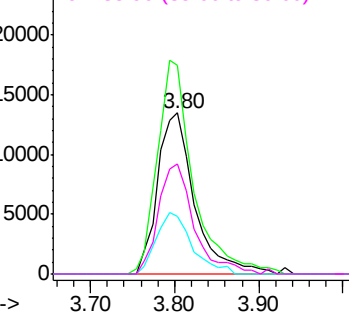


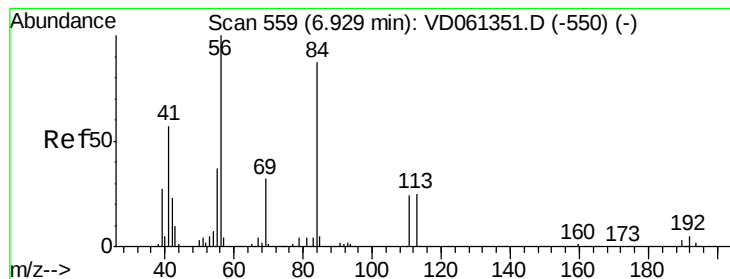
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Instrument :
MSVOA_D
ClientSampled :

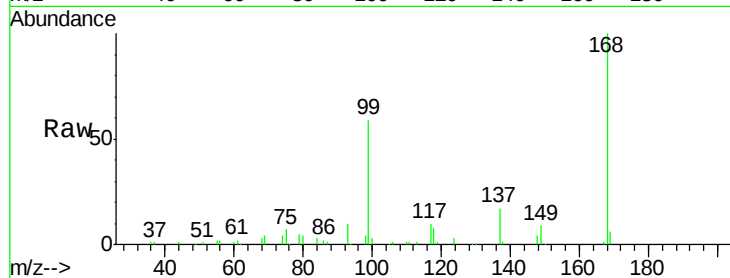
Tot Ion: 56 Resp: 6702

Ion Ratio Lower Upper

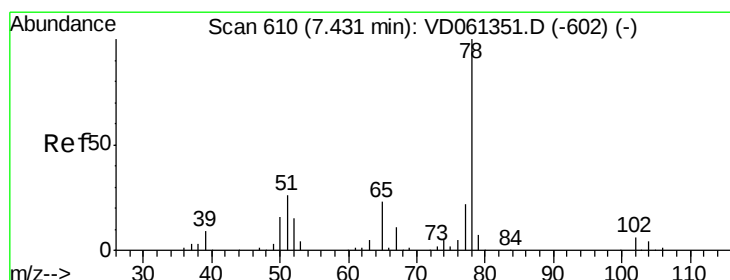
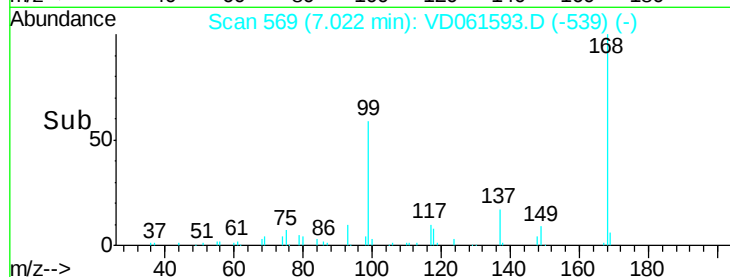
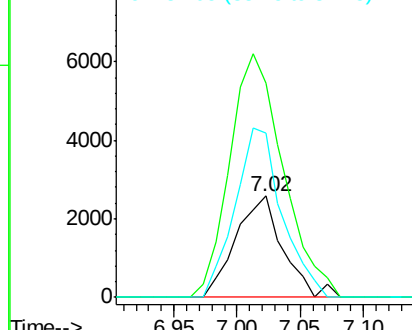
56 100

69 211.9 25.7 38.5#

84 162.0 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: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061593.D

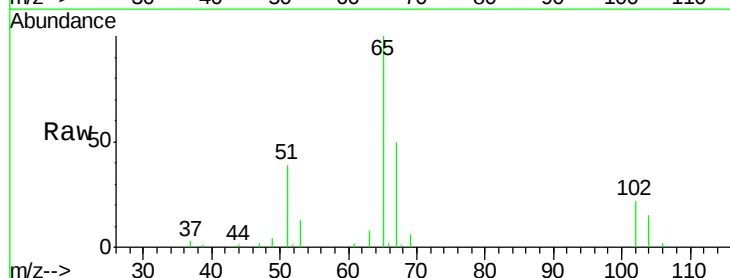
Acq: 4 Apr 2019 21:50

Tgt Ion: 65 Resp: 159742

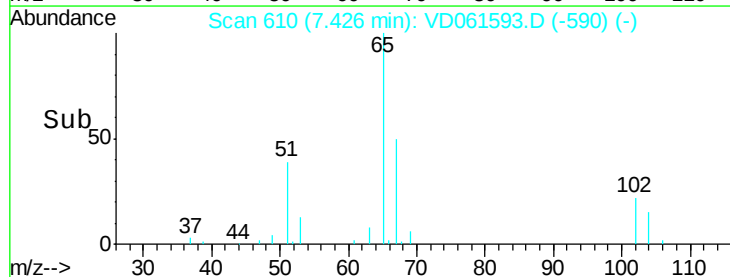
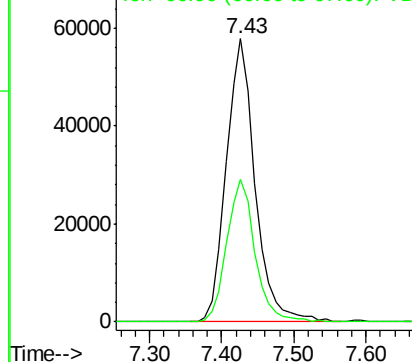
Ion Ratio Lower Upper

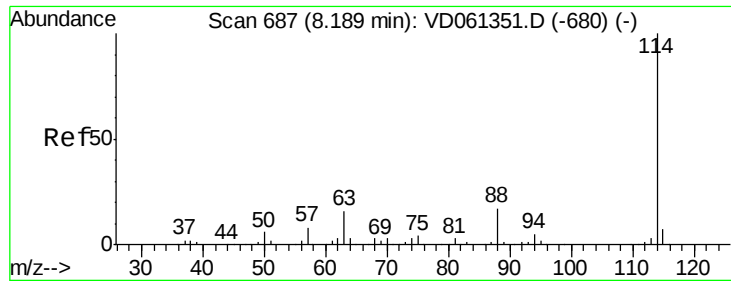
65 100

67 50.5 0.0 99.8



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

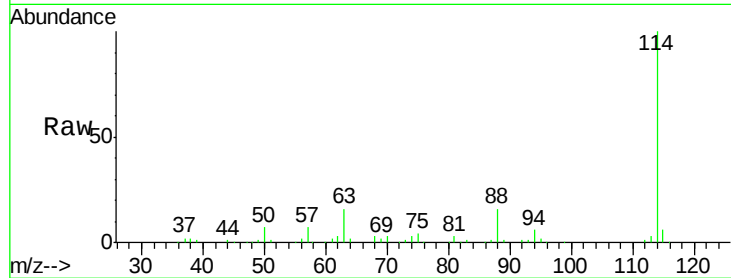




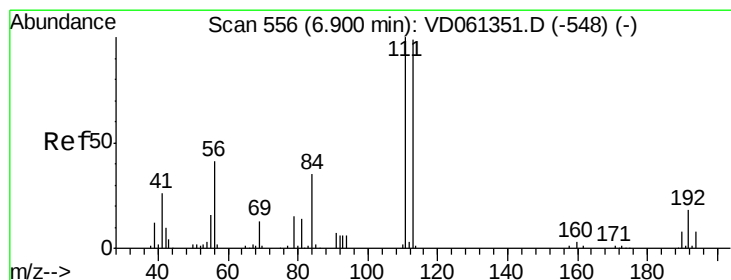
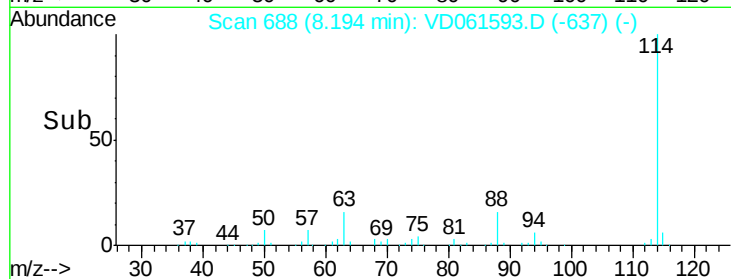
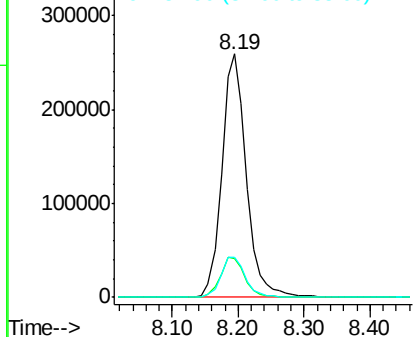
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061593.D
 Acq: 4 Apr 2019 21:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 669965
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 31.6
 88 16.3 0.0 33.4

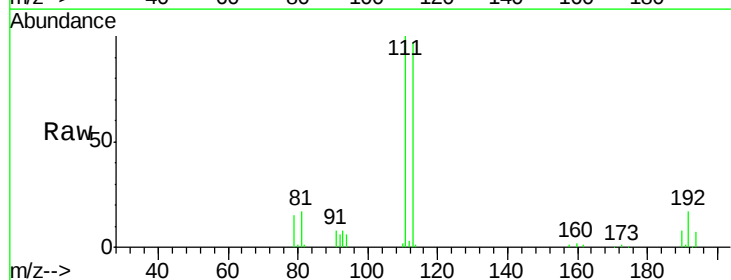


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

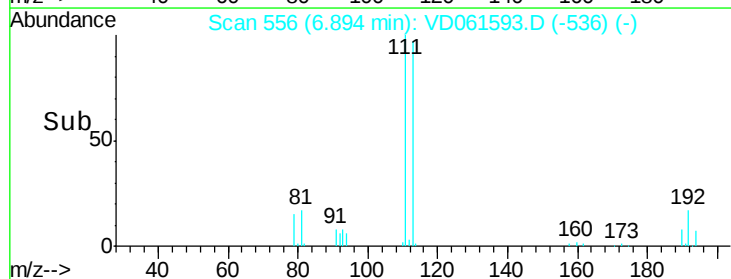
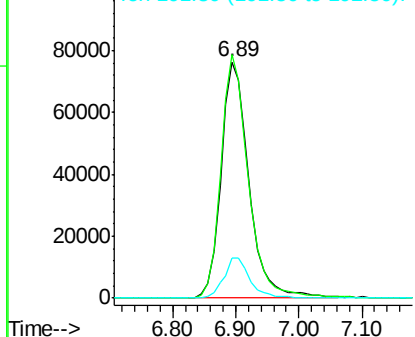


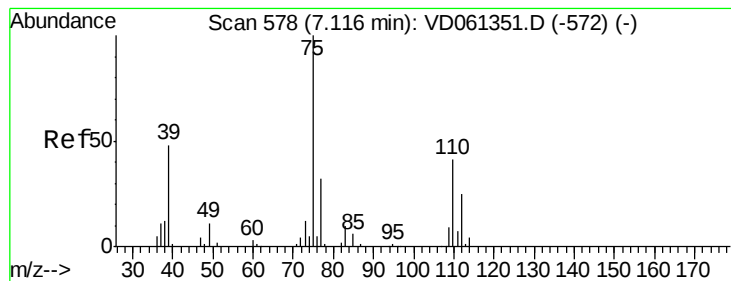
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.89 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD061593.D
 Acq: 4 Apr 2019 21:50

Tgt Ion:113 Resp: 234007
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 17.1 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: 5.088 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

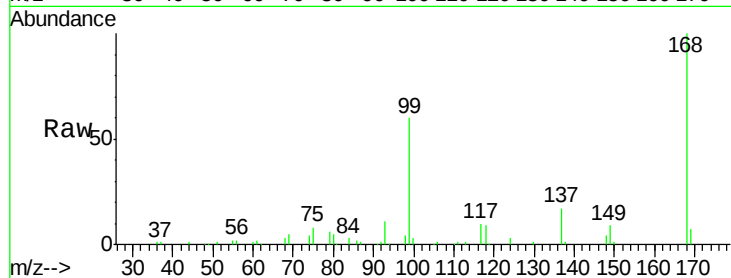
Tot Ion: 75 Resp: 29748

Ion Ratio Lower Upper

75 100

110 5.6 20.4 61.3#

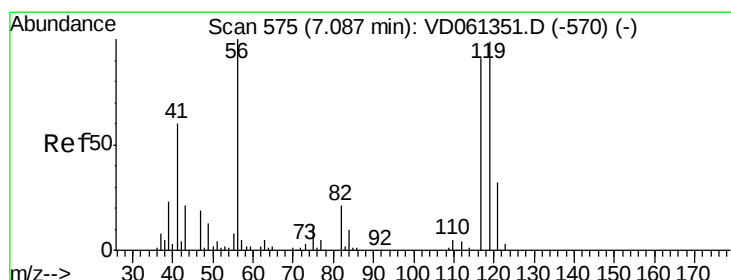
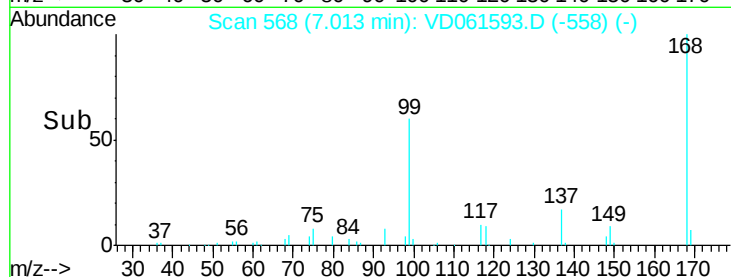
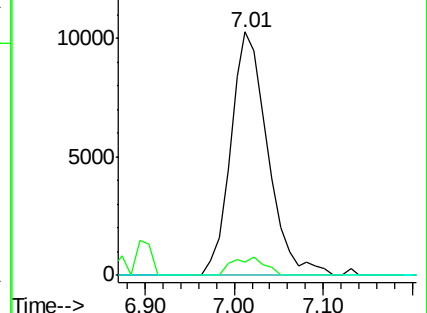
77 0.0 24.9 37.3#



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: 5.883 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

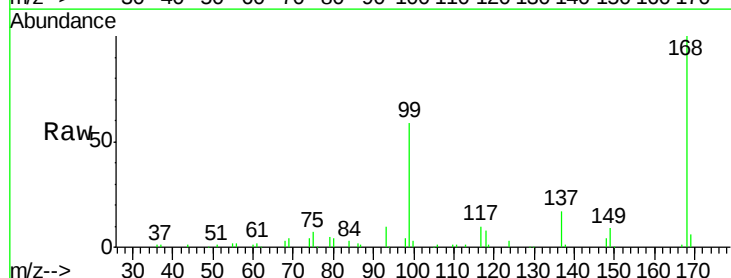
Tgt Ion: 117 Resp: 39530

Ion Ratio Lower Upper

117 100

119 5.7 80.1 120.1#

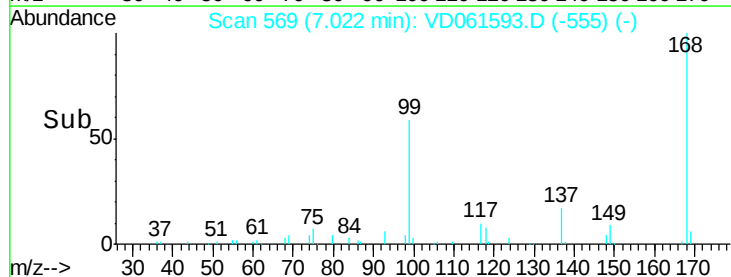
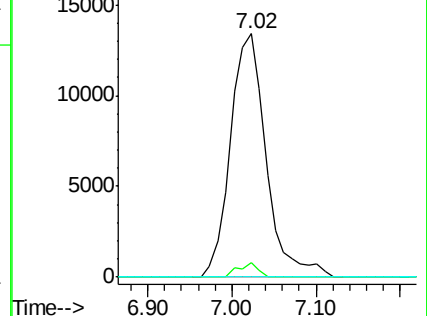
121 0.0 25.6 38.4#

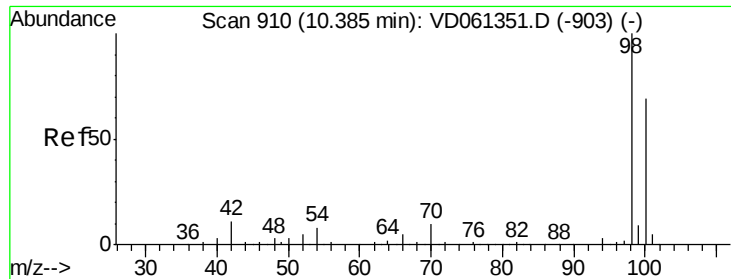


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

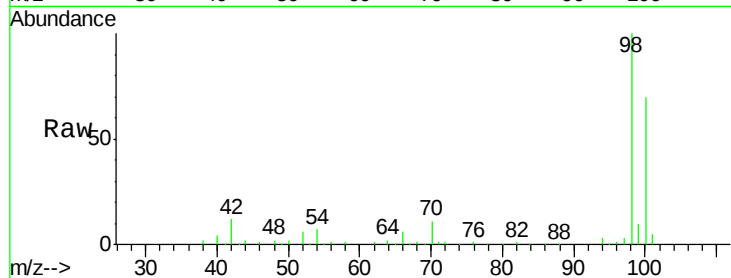
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 486803

Ion Ratio Lower Upper

98 100

100 70.5 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)

Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

10.39

200000

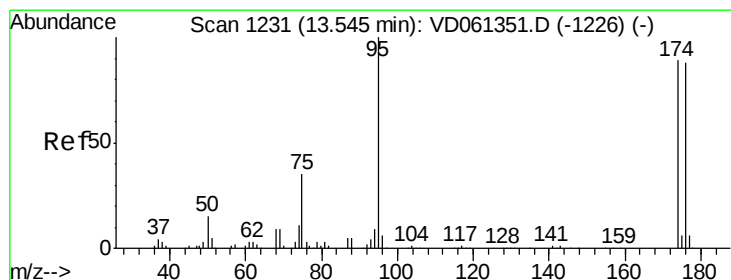
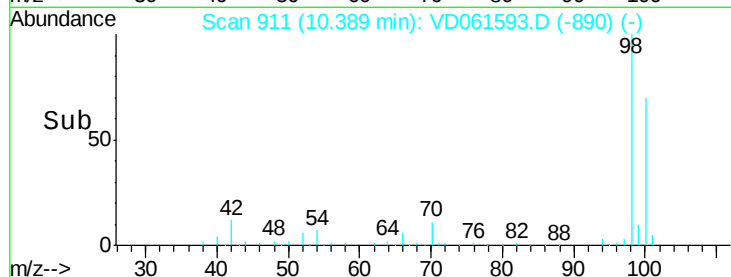
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

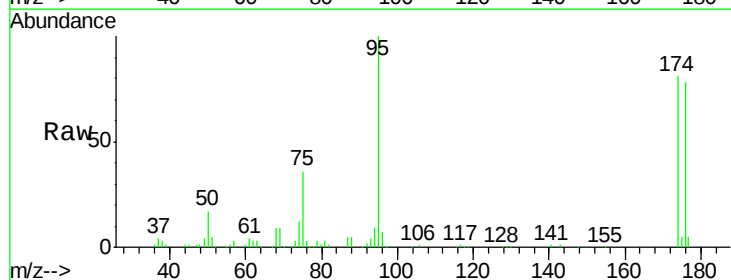
Tgt Ion: 95 Resp: 207001

Ion Ratio Lower Upper

95 100

174 80.8 0.0 178.0

176 78.1 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): VD061351.D (-1226) (-)

Ion 173.90 (173.60 to 174.60): VD061351.D (-1226) (-)

Ion 175.90 (175.60 to 176.60): VD061351.D (-1226) (-)

13.54

200000

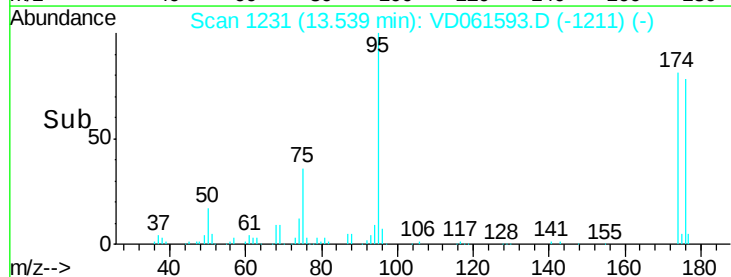
150000

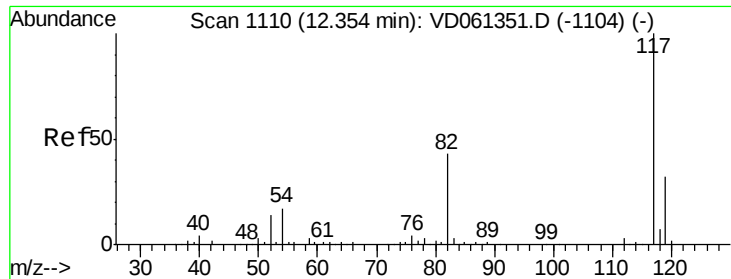
100000

50000

0

Time-->

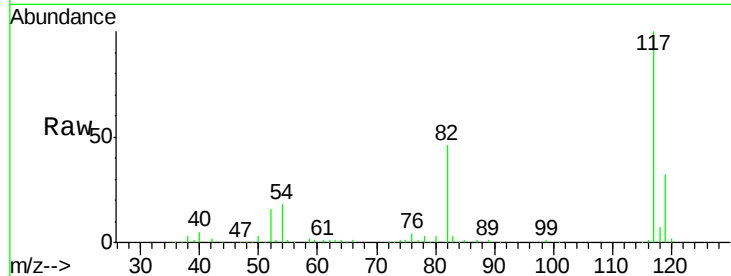




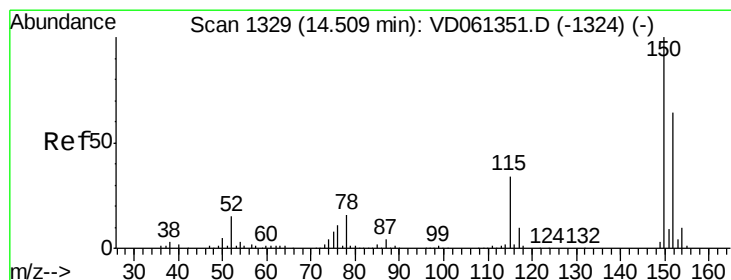
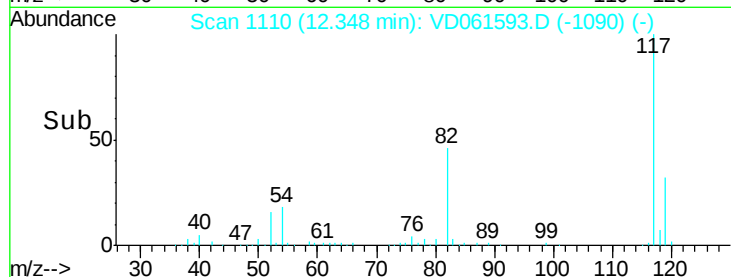
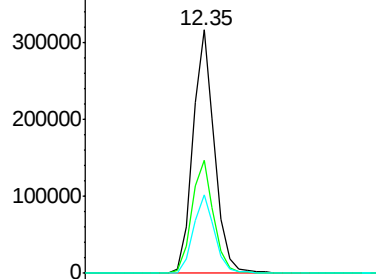
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061593.D
Acq: 4 Apr 2019 21:50

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 537530
Ion Ratio Lower Upper
117 100
82 46.3 34.4 51.6
119 32.5 25.8 38.6

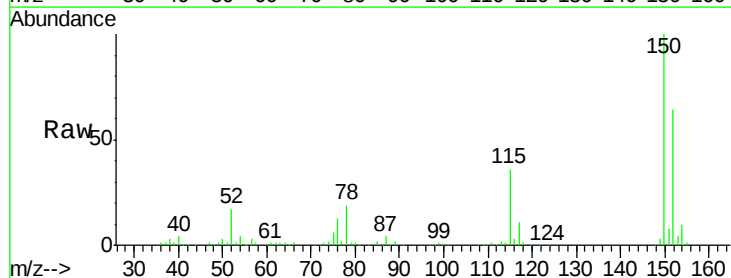


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

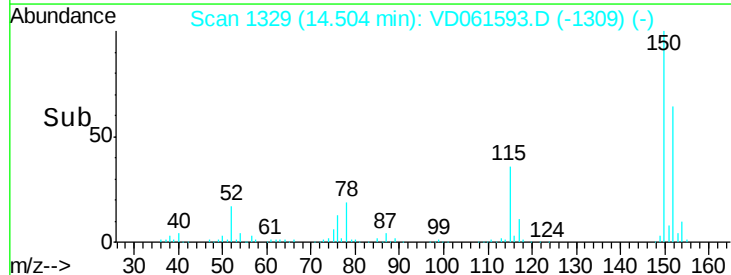
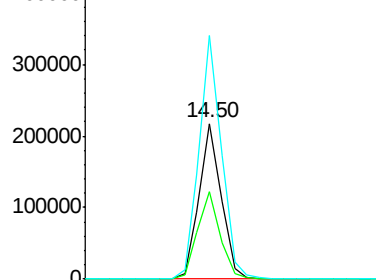


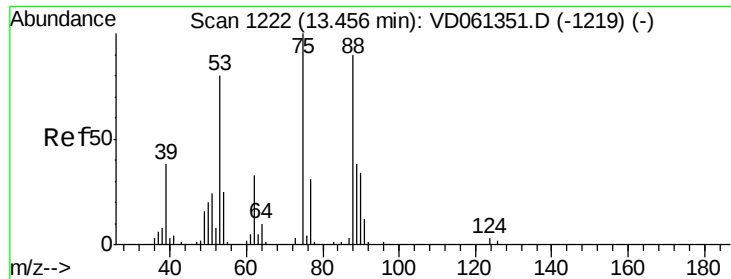
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061593.D
Acq: 4 Apr 2019 21:50

Tgt Ion:152 Resp: 263039
Ion Ratio Lower Upper
152 100
115 56.1 26.9 80.6
150 156.4 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: 66.700 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD061593.D

Acq: 4 Apr 2019 21:50

Instrument :

MSVOA_D

ClientSampleId :

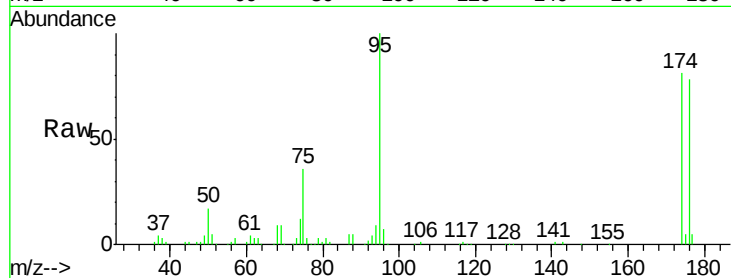
Tot Ion: 75 Resp: 77273

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

