

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042919\
 Data File : VD062073.D
 Acq On : 29 Apr 2019 20:10
 Operator : FY/SY
 Sample : K2194-09
 Misc : 6.29µm/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 30 01:12:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

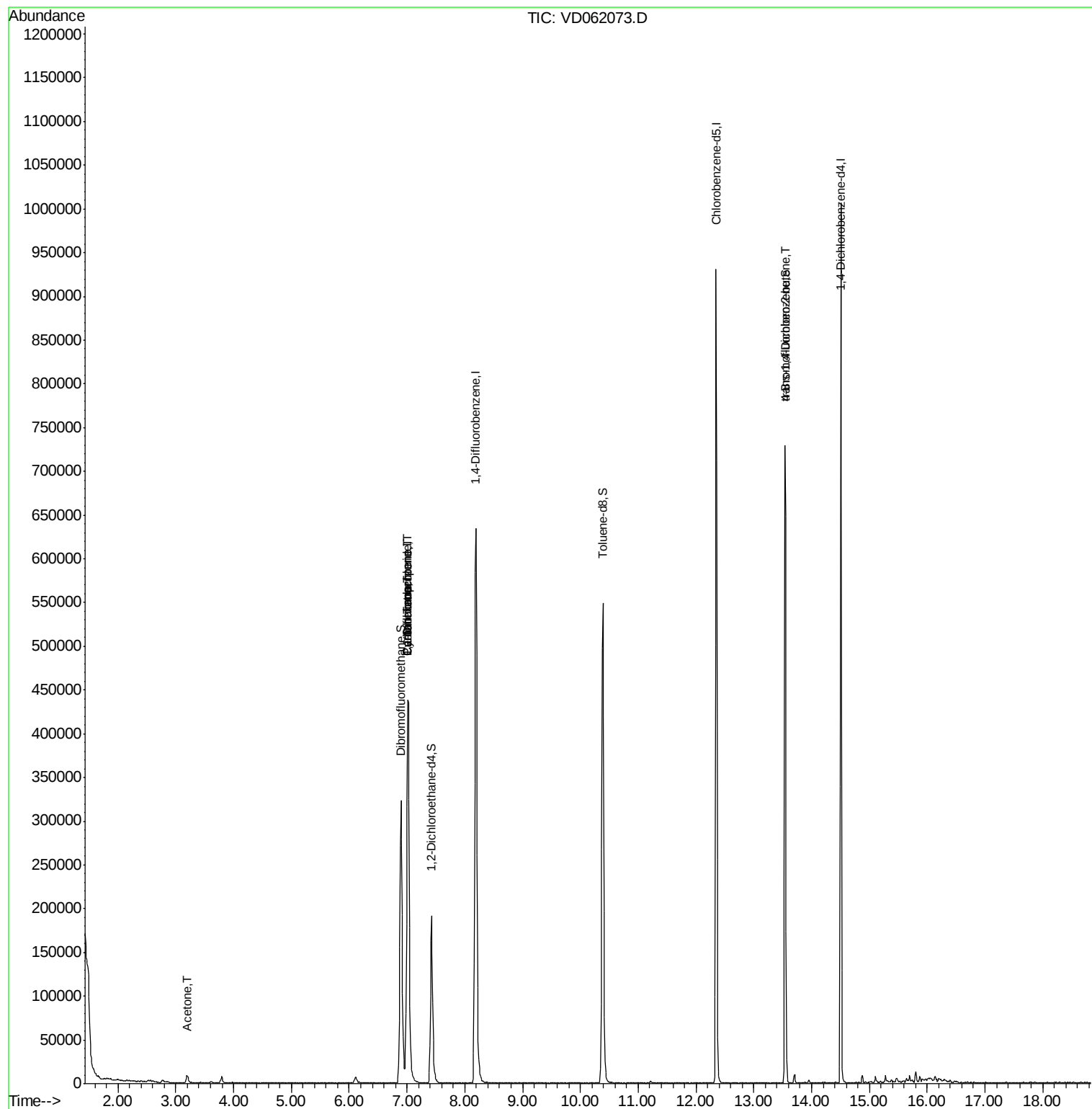
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	458097	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	769319	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	563409	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	230238	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	195681	54.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.16%	
35) Dibromofluoromethane	6.89	113	296873	55.80	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.60%	
50) Toluene-d8	10.39	98	496755	39.24	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	78.48%	
62) 4-Bromofluorobenzene	13.54	95	235088	46.30	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.60%	
Target Compounds						
					Qvalue	
16) Acetone	3.19	43	16617	19.411	ug/l #	88
18) Methyl Acetate	3.62	43	2154	Below Cal	#	53
20) Methylene Chloride	3.79	84	5019	Below Cal	#	84
31) Cyclohexane	7.02	56	7549	1.414	ug/l #	1
36) 1,1-Dichloropropene	7.01	75	34181	5.703	ug/l #	45
38) Carbon Tetrachloride	7.01	117	43004	5.662	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.54	75	93380	105.396	ug/l #	16

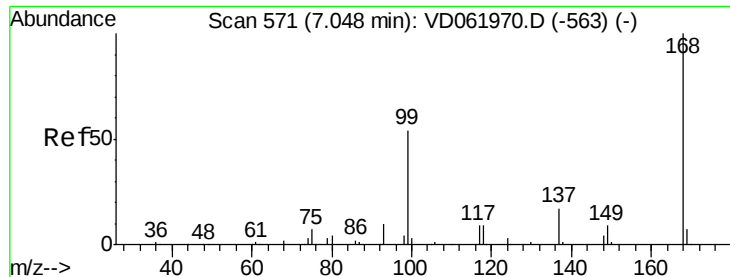
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

Instrument :

MSVOA_D

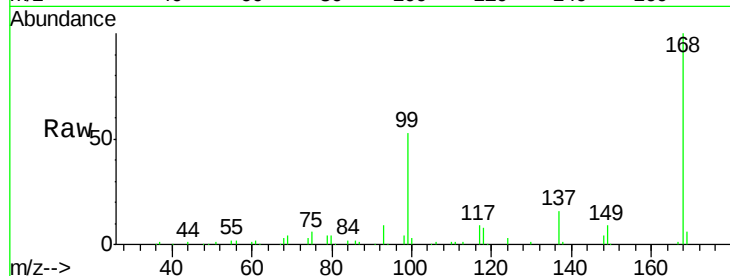
ClientSampleId :

Tot Ion:168 Resp: 458097

Ion Ratio Lower Upper

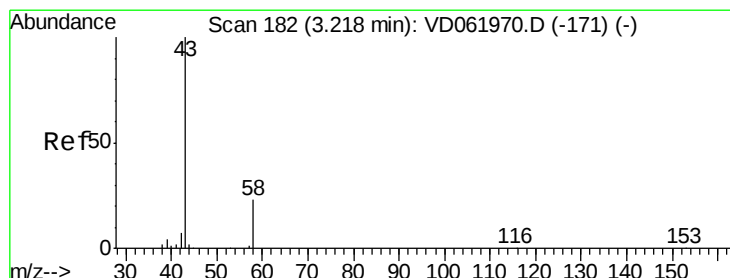
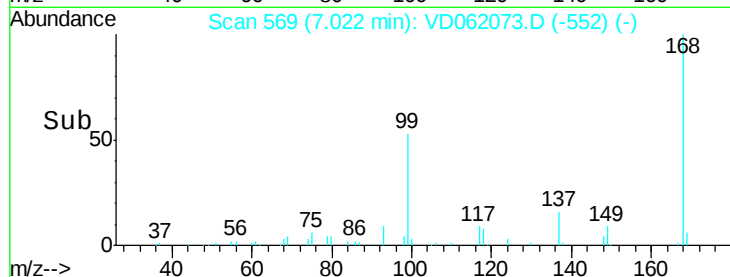
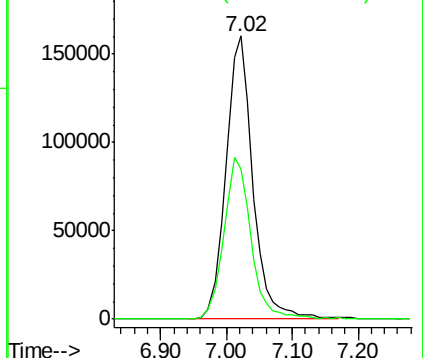
168 100

99 53.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 19.411 ug/l

RT: 3.19 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062073.D

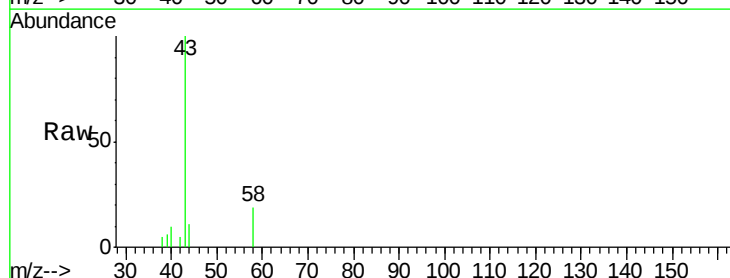
Acq: 29 Apr 2019 20:10

Tgt Ion: 43 Resp: 16617

Ion Ratio Lower Upper

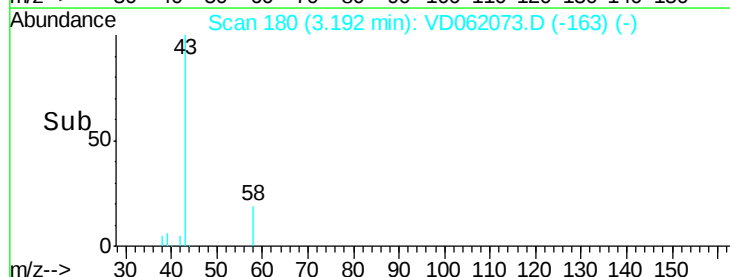
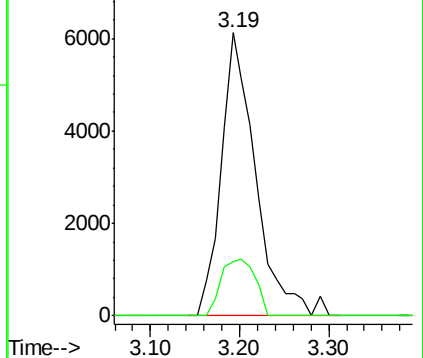
43 100

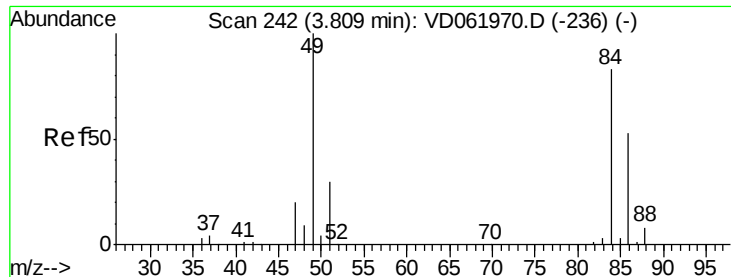
58 19.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

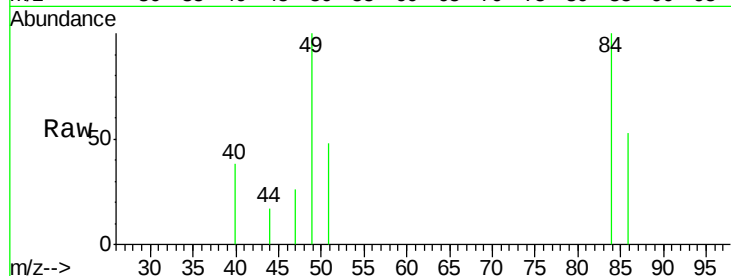




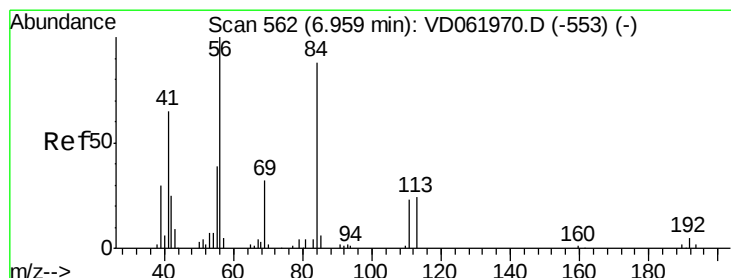
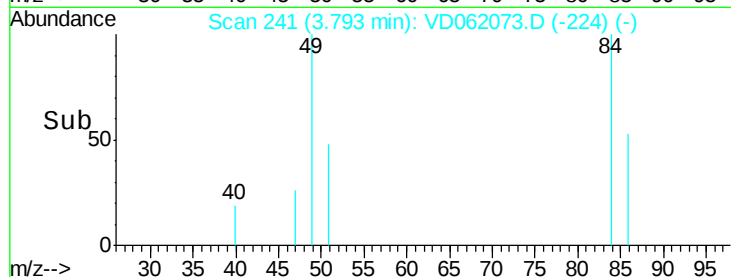
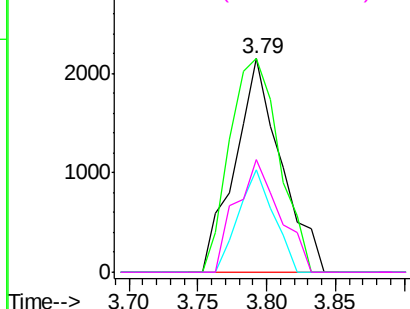
#20
Methylene Chloride
Concen: Below Cal
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062073.D
Acq: 29 Apr 2019 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 5019
Ion Ratio Lower Upper
84 100
49 99.9 94.0 141.0
51 48.1 29.0 43.4#
86 52.8 49.8 74.6

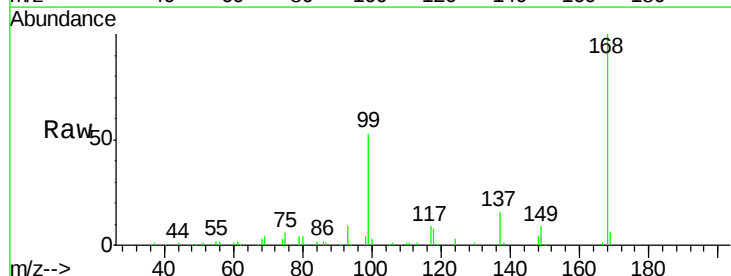


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

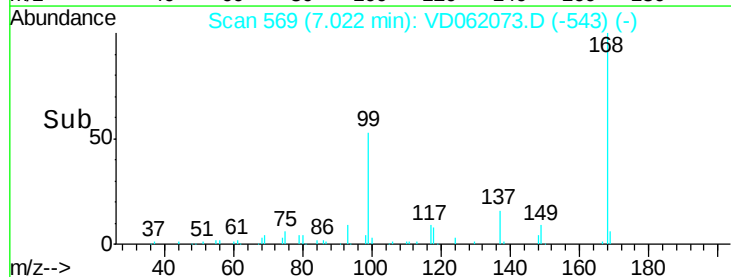
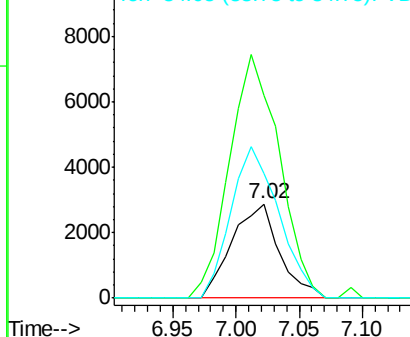


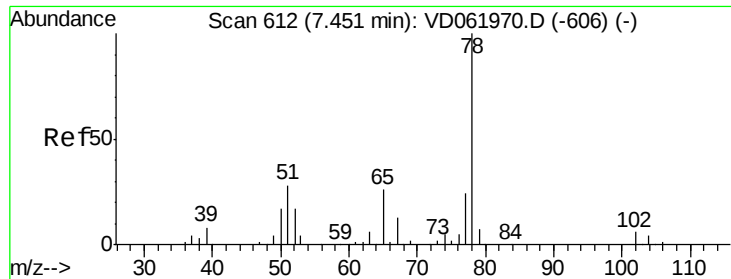
#31
Cyclohexane
Concen: 1.414 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD062073.D
Acq: 29 Apr 2019 20:10

Tgt Ion: 56 Resp: 7549
Ion Ratio Lower Upper
56 100
69 215.0 25.8 38.6#
84 132.0 72.2 108.4#



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: 54.578 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

Instrument :

MSVOA_D

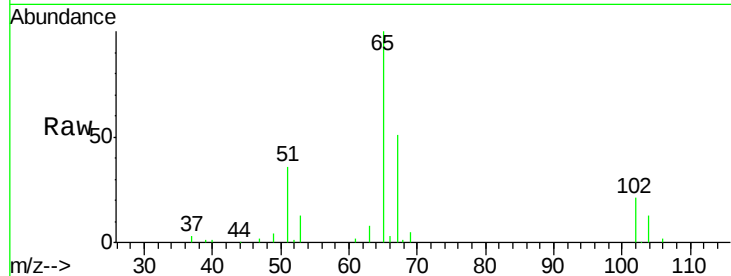
ClientSampled :

Tot Ion: 65 Resp: 195681

Ion Ratio Lower Upper

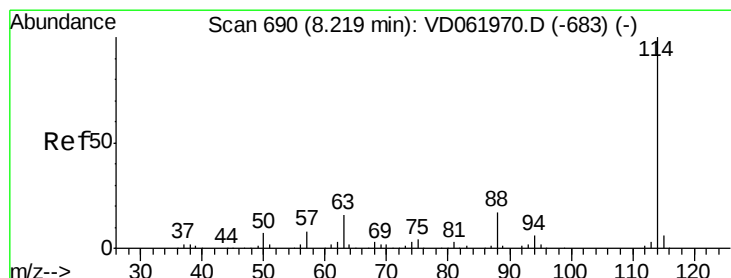
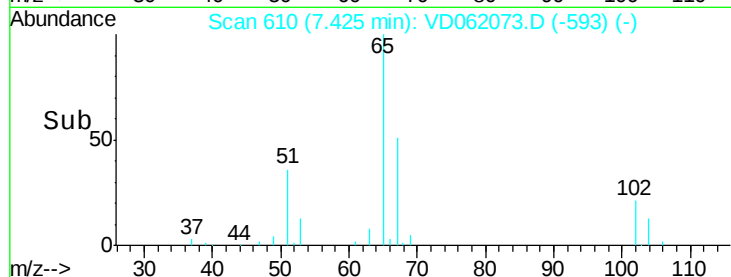
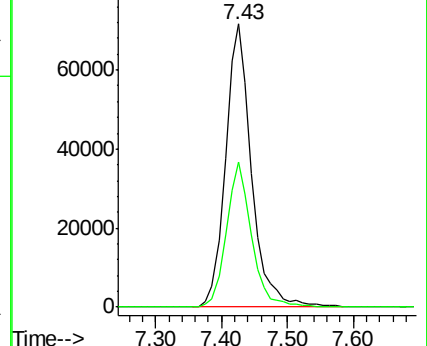
65 100

67 51.4 0.0 98.0



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. -0.03 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

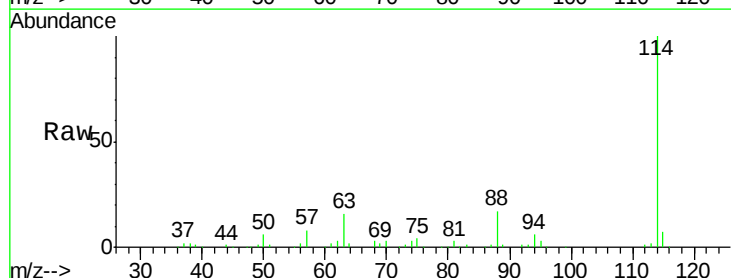
Tgt Ion: 114 Resp: 769319

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.4

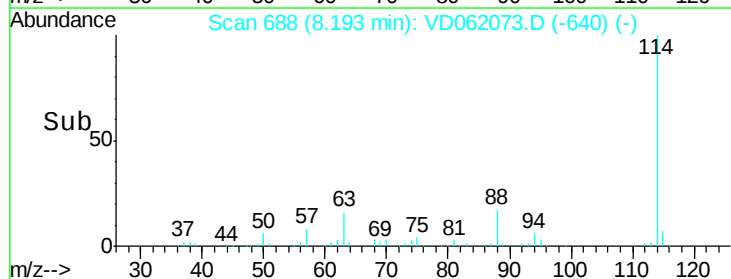
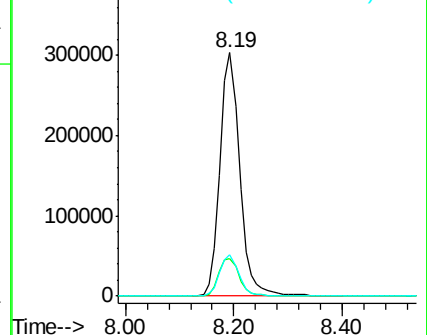
88 16.9 0.0 33.6

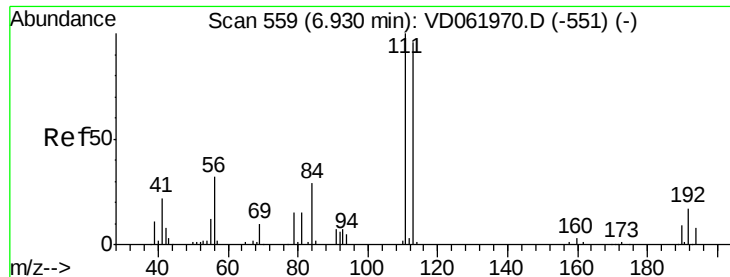


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.797 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

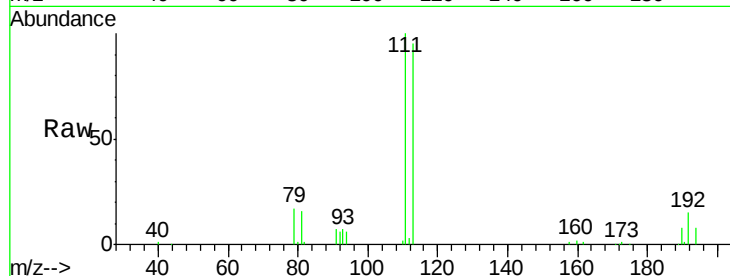
Tot Ion:113 Resp: 296873

Ion Ratio Lower Upper

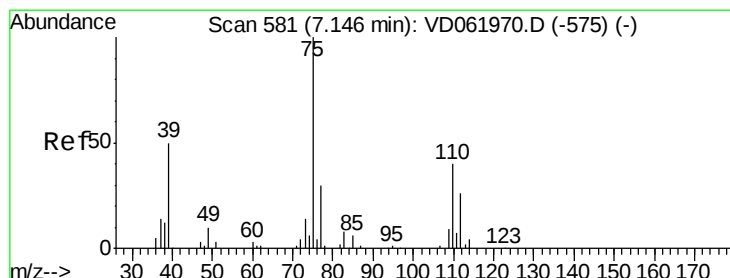
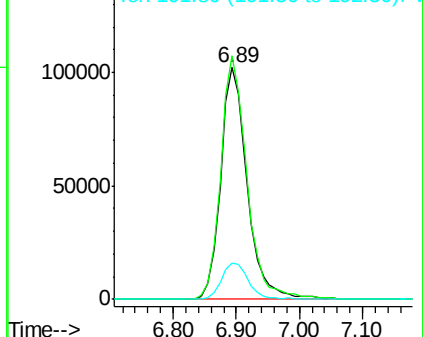
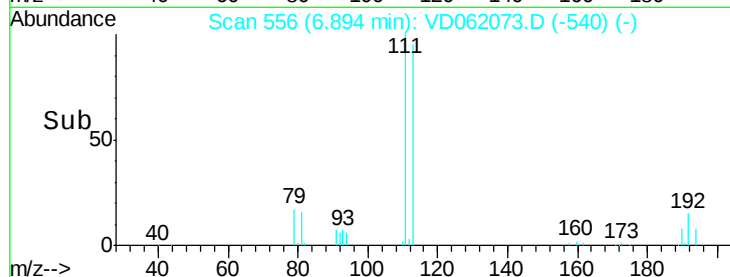
113 100

111 105.0 78.5 117.7

192 15.7 13.0 19.4



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: 5.703 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.14 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

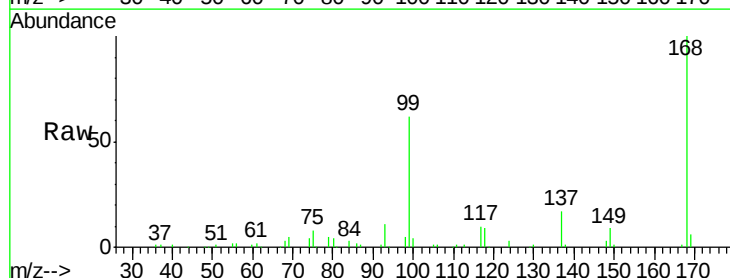
Tgt Ion: 75 Resp: 34181

Ion Ratio Lower Upper

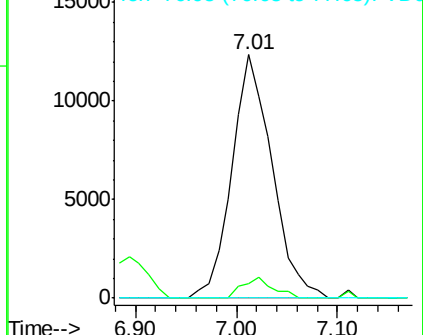
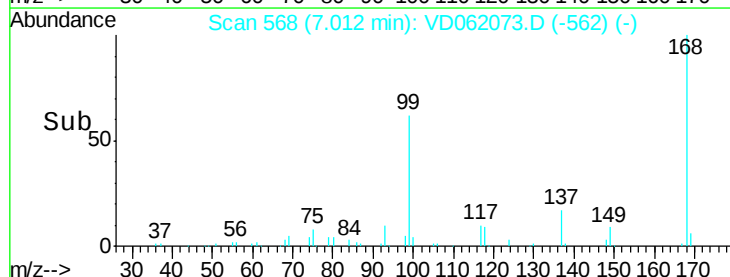
75 100

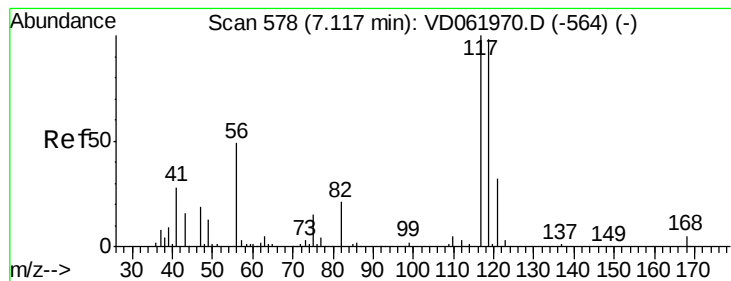
110 5.8 19.1 57.1#

77 0.0 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 5.662 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

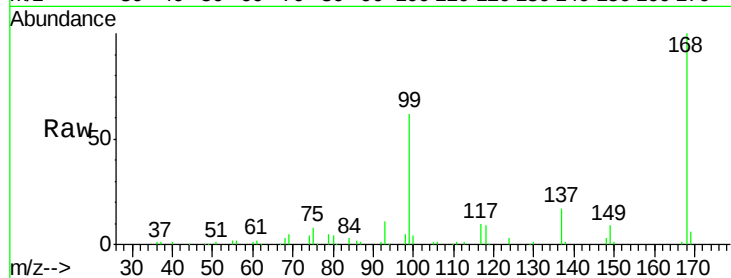
Tot Ion:117 Resp: 43004

Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

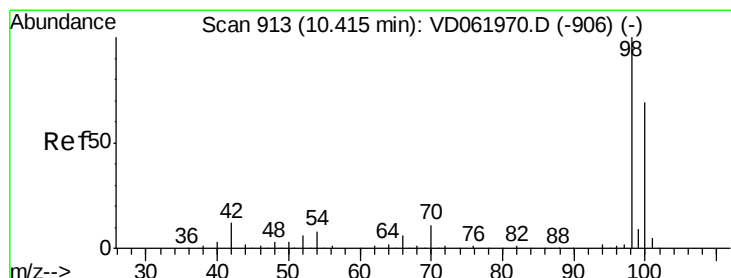
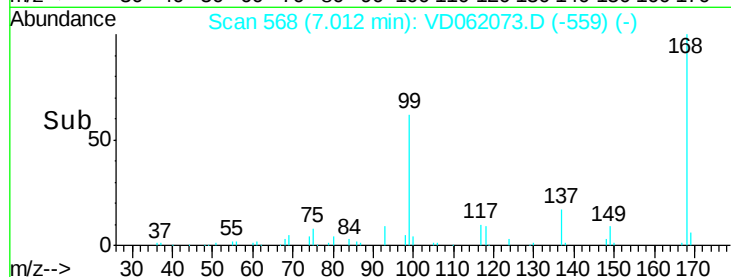
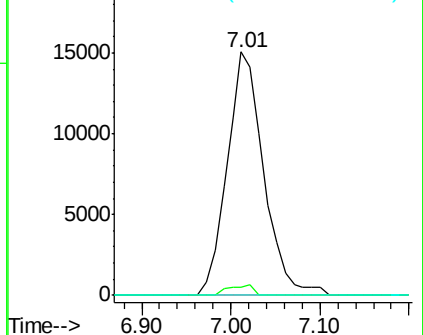
121 0.0 25.9 38.9#



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: 39.237 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.03 min

Lab File: VD062073.D

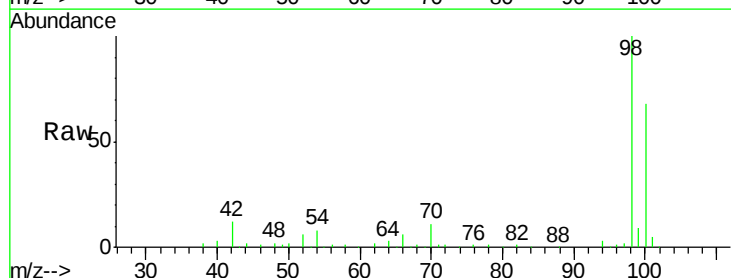
Acq: 29 Apr 2019 20:10

Tgt Ion: 98 Resp: 496755

Ion Ratio Lower Upper

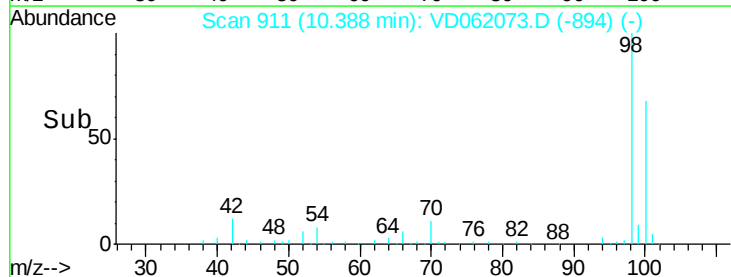
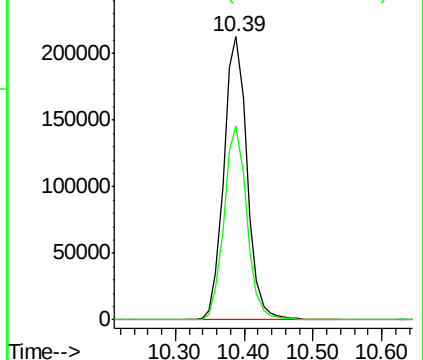
98 100

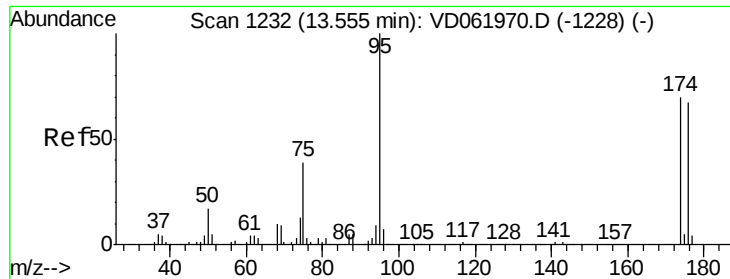
100 68.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.296 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

Instrument :

MSVOA_D

ClientSampleId :

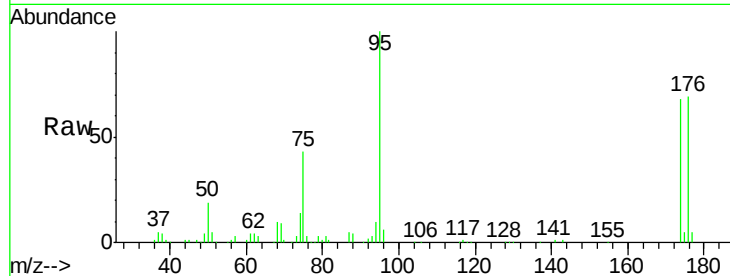
Tot Ion: 95 Resp: 235088

Ion Ratio Lower Upper

95 100

174 68.1 0.0 181.8

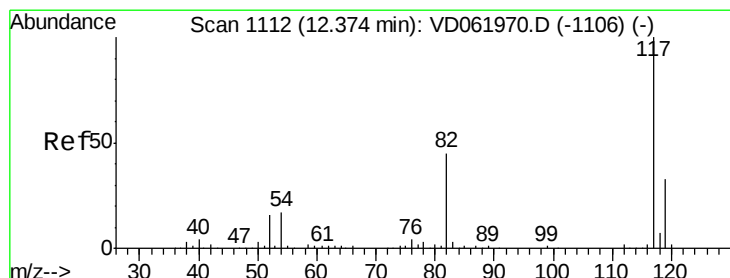
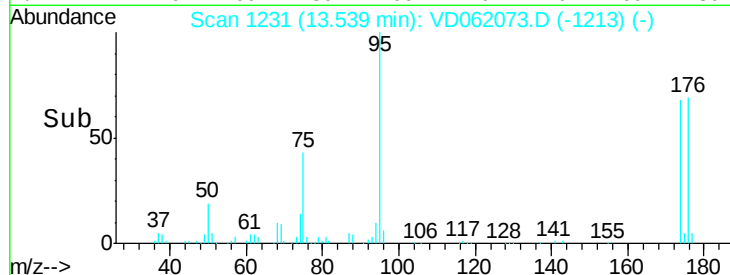
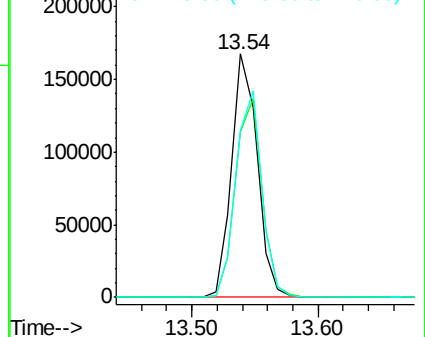
176 68.7 0.0 174.4



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. -0.02 min

Lab File: VD062073.D

Acq: 29 Apr 2019 20:10

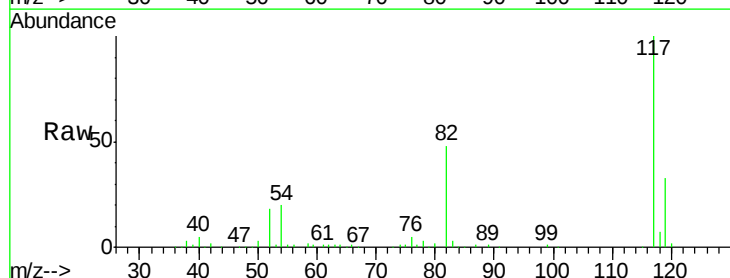
Tgt Ion: 117 Resp: 563409

Ion Ratio Lower Upper

117 100

82 47.6 36.2 54.2

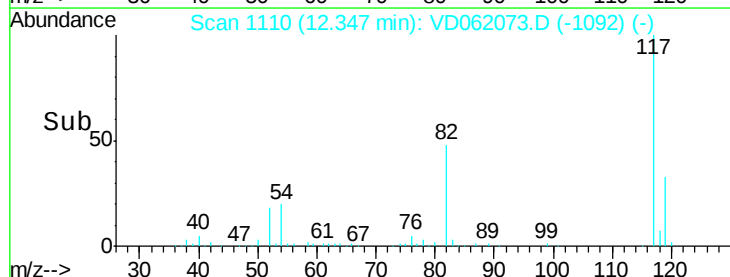
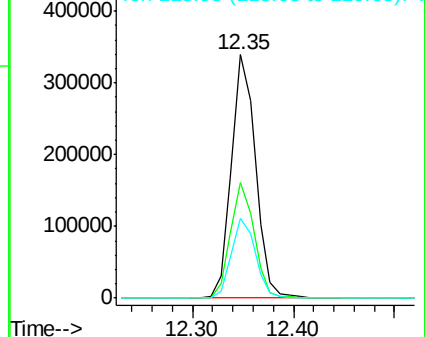
119 32.5 26.2 39.4

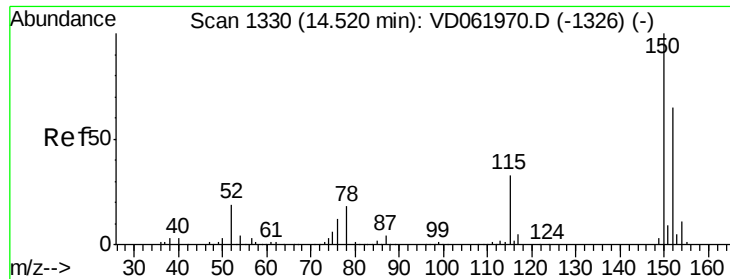


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



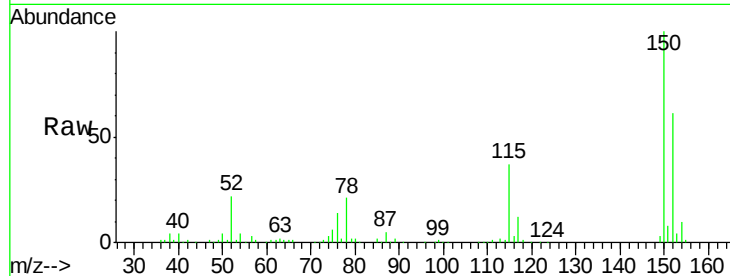


#72

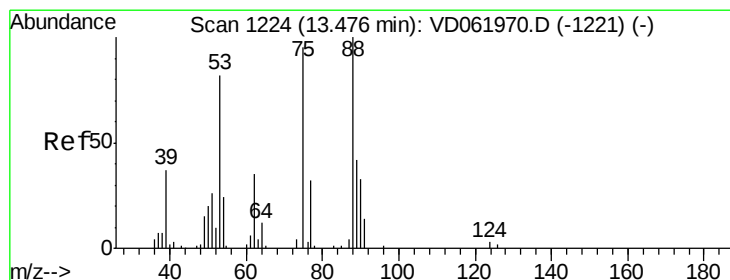
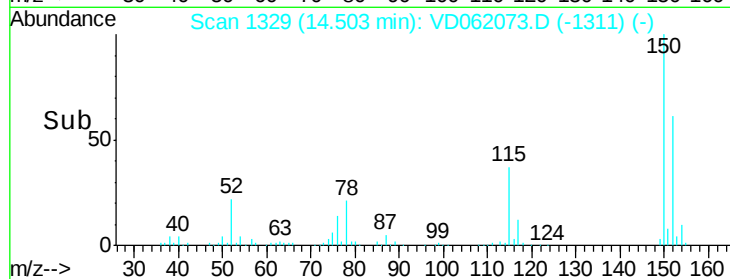
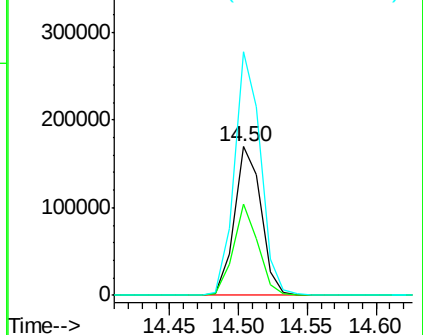
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062073.D
Acq: 29 Apr 2019 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 230238
Ion Ratio Lower Upper
152 100
115 61.1 30.9 92.7
150 163.7 0.0 314.8



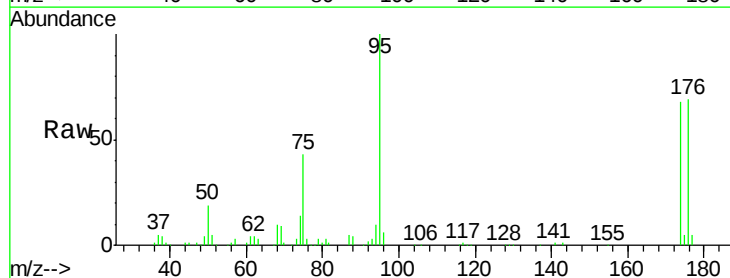
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 105.396 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD062073.D
Acq: 29 Apr 2019 20:10

Tgt Ion: 75 Resp: 93380
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#



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

