

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062021.D
 Acq On : 25 Apr 2019 5:24
 Operator : VA/AP
 Sample : K2542-18
 Misc : 4.91g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 07:21:26 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

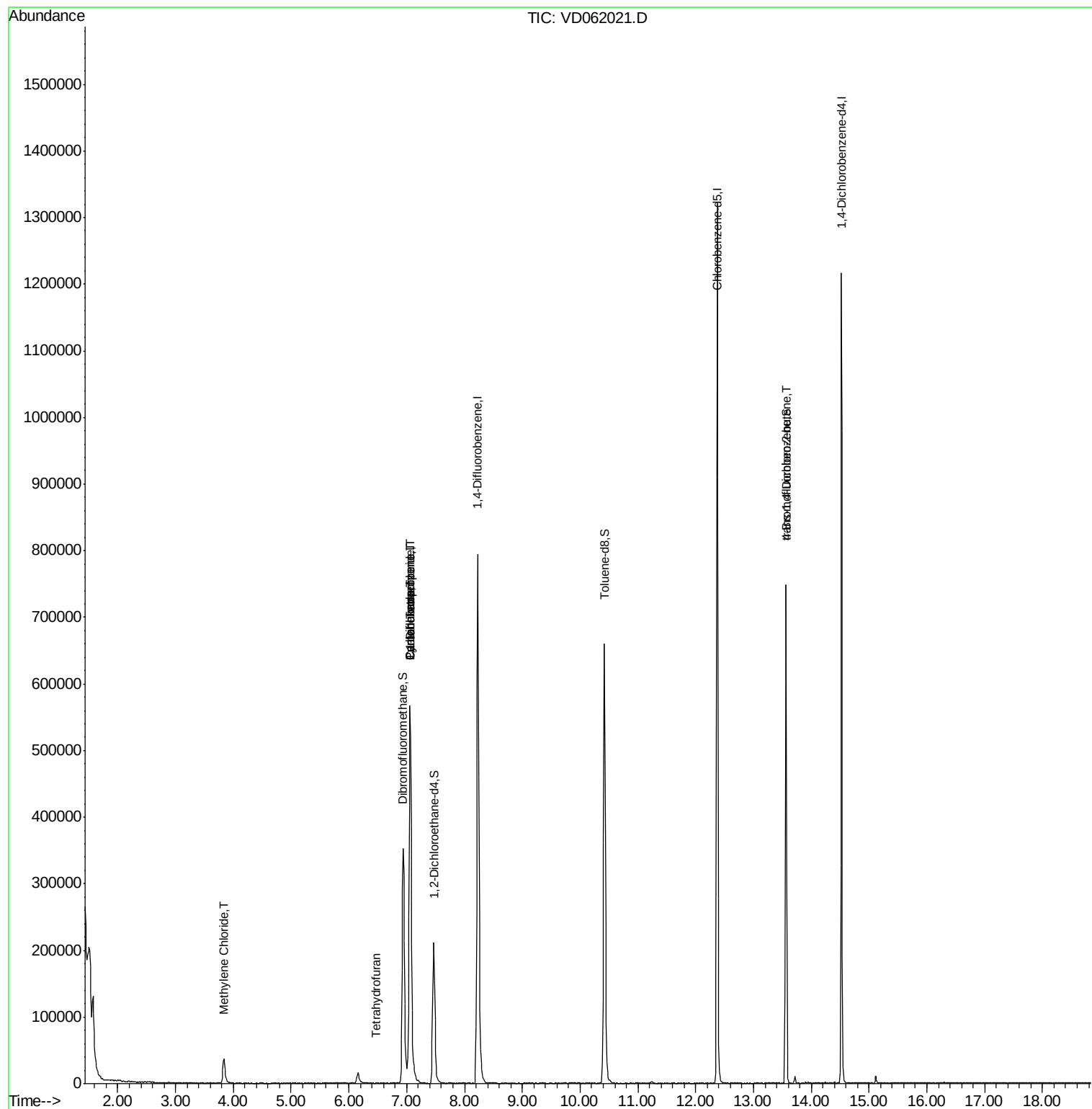
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	570711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	948798	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	768484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	287871	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	224684	50.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.60%	
35) Dibromofluoromethane	6.94	113	329761	50.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.50%	
50) Toluene-d8	10.42	98	619097	39.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.30%	
62) 4-Bromofluorobenzene	13.56	95	239817	38.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.58%	
Target Compounds						
5) Bromomethane	2.13	94	463	Below Cal	#	12
20) Methylene Chloride	3.84	84	29958	2.757	ug/l	98
29) Tetrahydrofuran	6.48	42	668	1.048	ug/l #	71
31) Cyclohexane	7.06	56	9852	1.481	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	43543	5.890	ug/l #	48
38) Carbon Tetrachloride	7.06	117	55634	5.939	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	96403	87.025	ug/l #	16

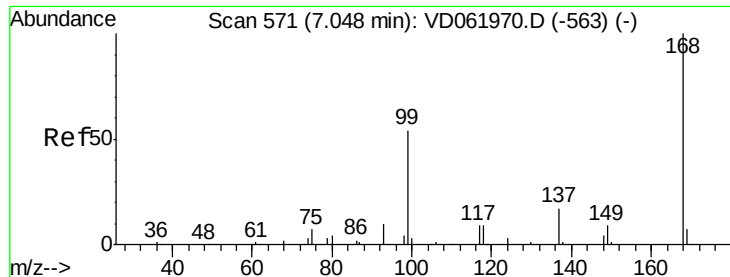
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Instrument :

MSVOA_D

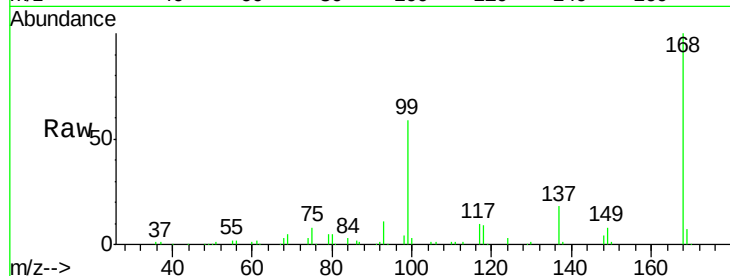
ClientSampleId :

Tot Ion:168 Resp: 570711

Ion Ratio Lower Upper

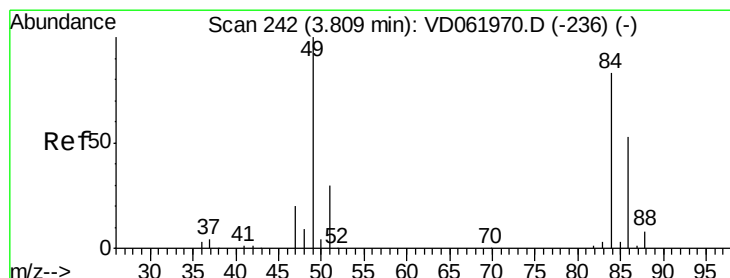
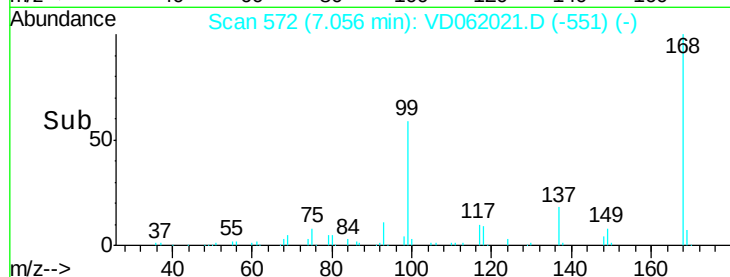
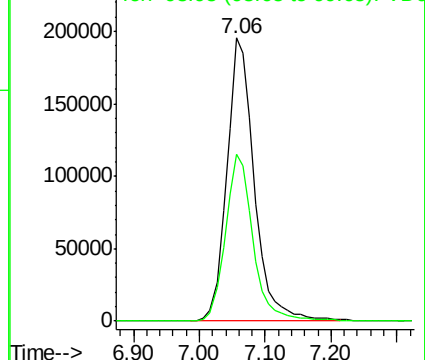
168 100

99 59.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 2.757 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.01 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Tgt Ion: 84 Resp: 29958

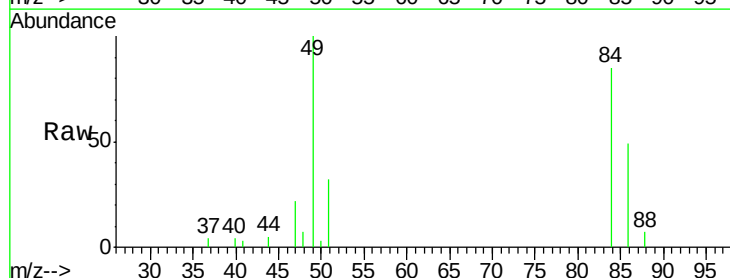
Ion Ratio Lower Upper

84 100

49 118.2 94.0 141.0

51 38.1 29.0 43.4

86 57.9 49.8 74.6

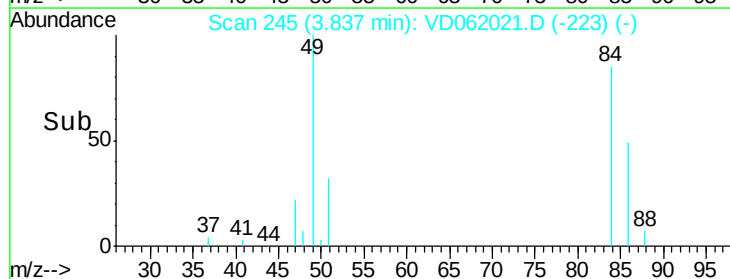
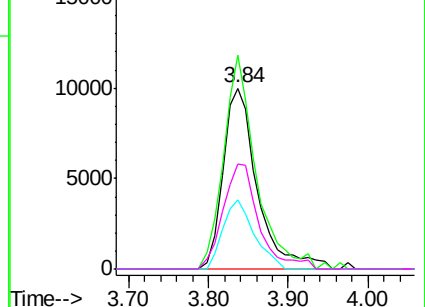


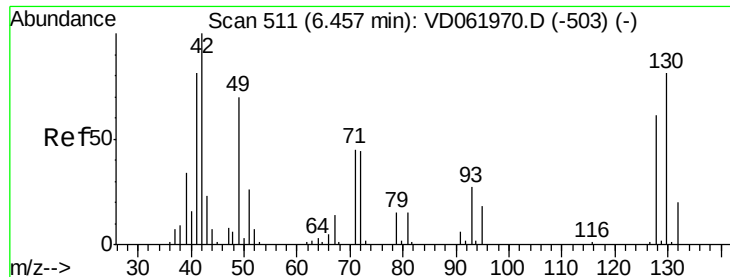
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.048 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Instrument :

MSVOA_D

ClientSampleId :

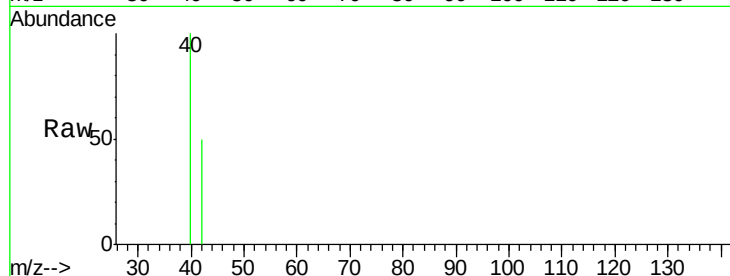
Tot Ion: 42 Resp: 668

Ion Ratio Lower Upper

42 100

72 26.6 37.8 56.6#

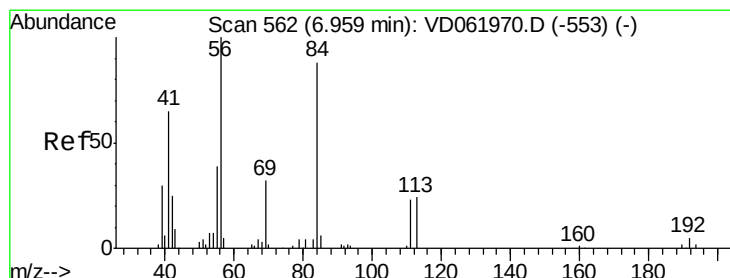
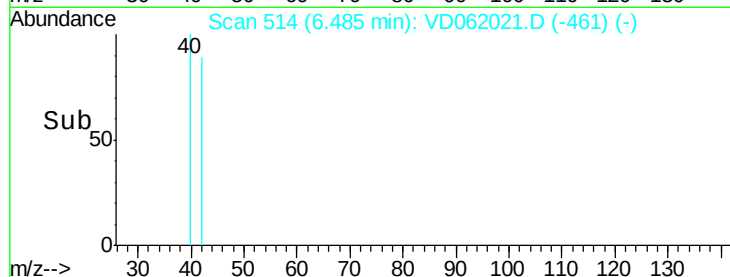
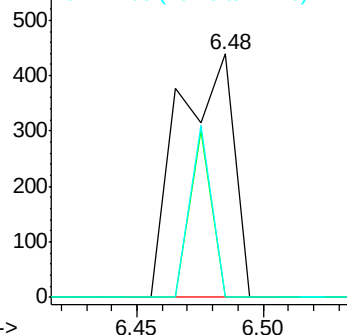
71 27.4 36.7 55.1#



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: 1.481 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

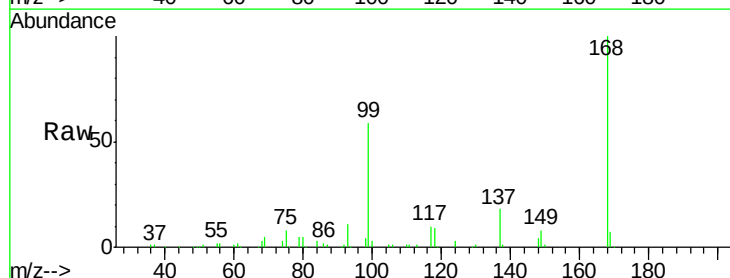
Tgt Ion: 56 Resp: 9852

Ion Ratio Lower Upper

56 100

69 241.5 25.8 38.6#

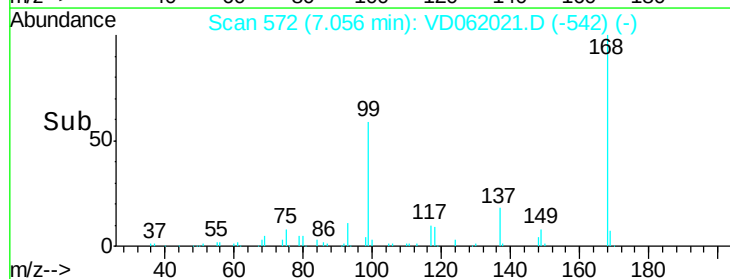
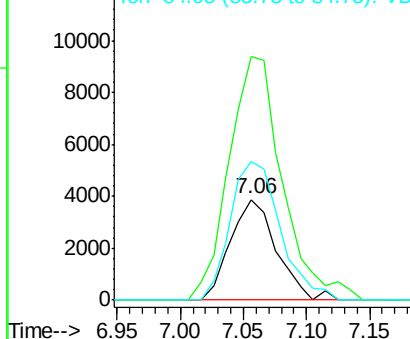
84 137.5 72.2 108.4#

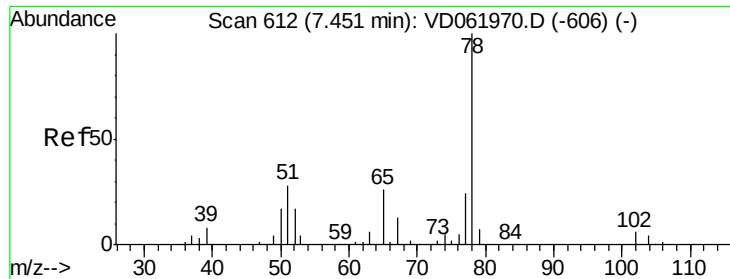


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Instrument :

MSVOA_D

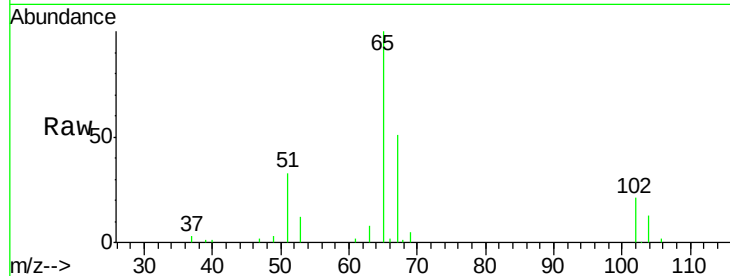
ClientSampleId :

Tot Ion: 65 Resp: 224684

Ion Ratio Lower Upper

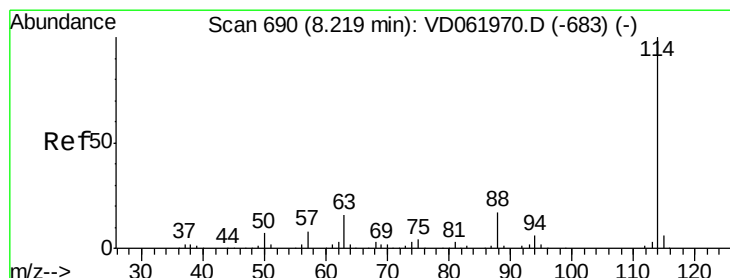
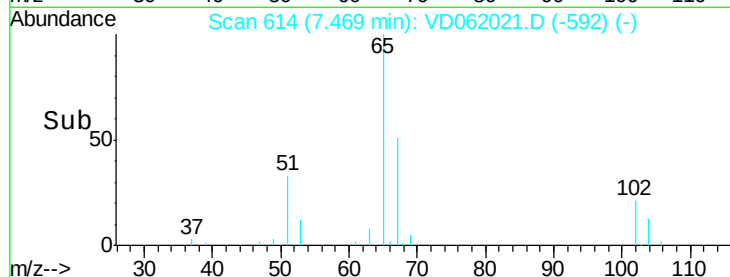
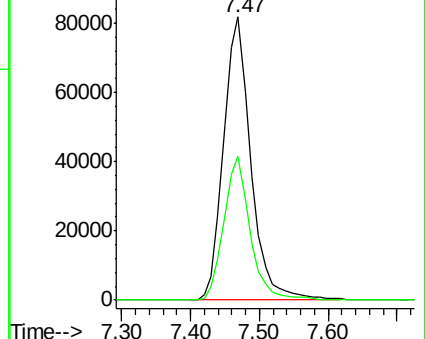
65 100

67 51.0 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: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

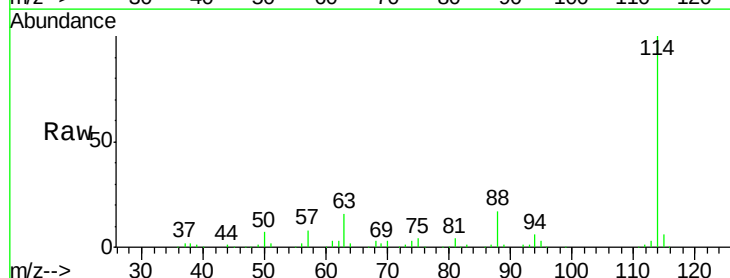
Tgt Ion: 114 Resp: 948798

Ion Ratio Lower Upper

114 100

63 16.5 0.0 32.4

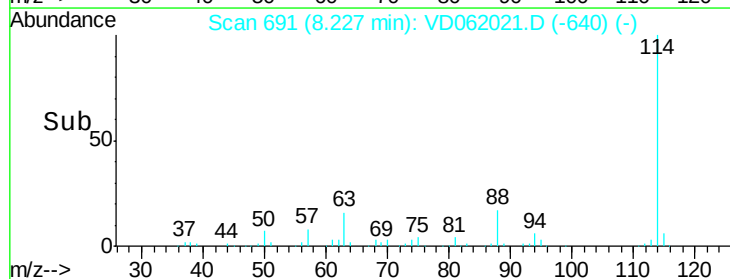
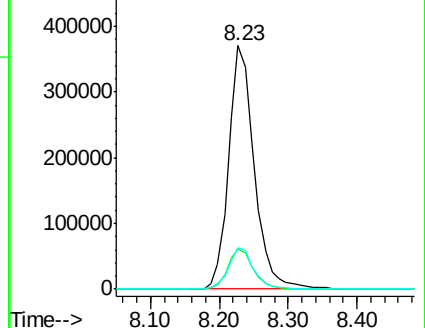
88 17.2 0.0 33.6

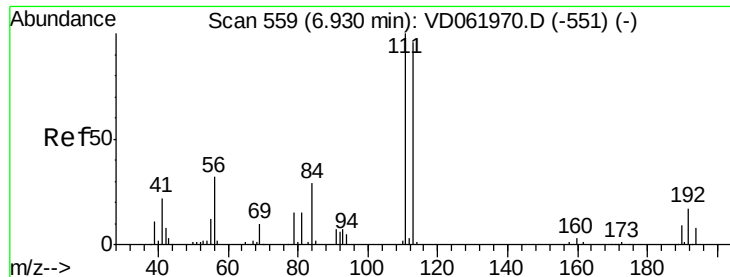


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

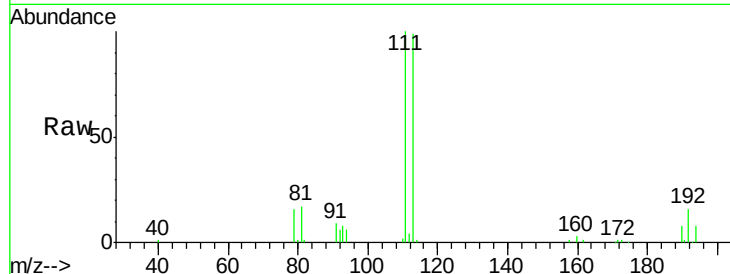




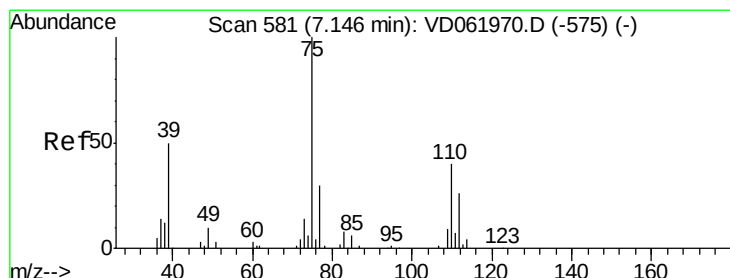
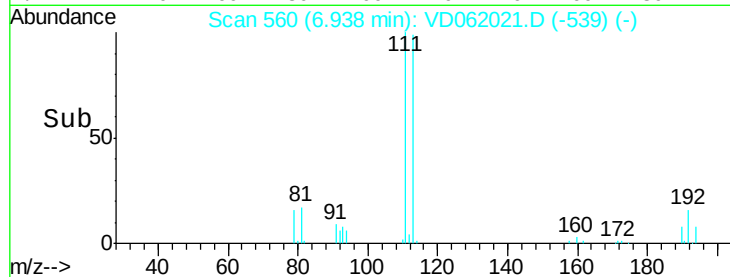
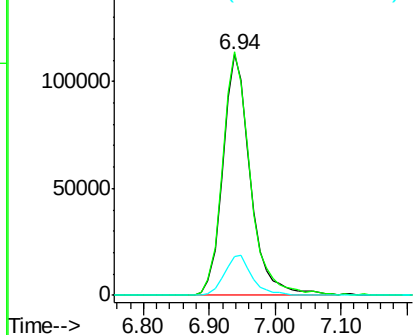
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062021.D
 Acq: 25 Apr 2019 5:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 329761
 Ion Ratio Lower Upper
 113 100
 111 101.2 78.5 117.7
 192 16.1 13.0 19.4

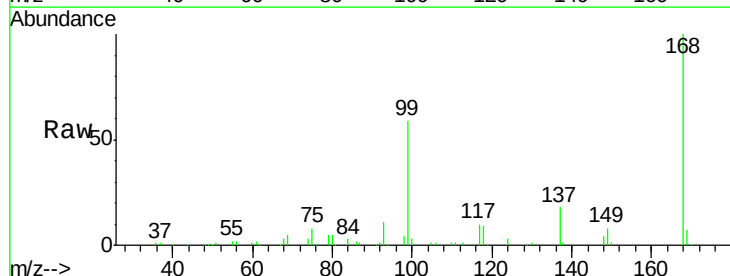


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

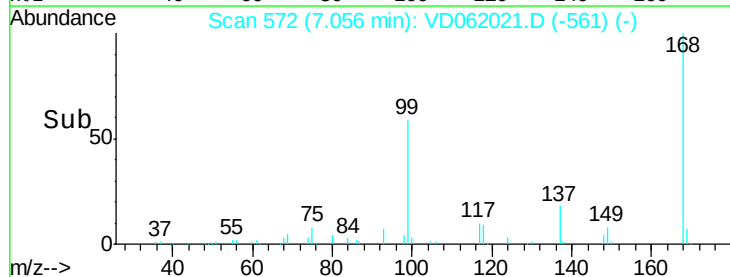
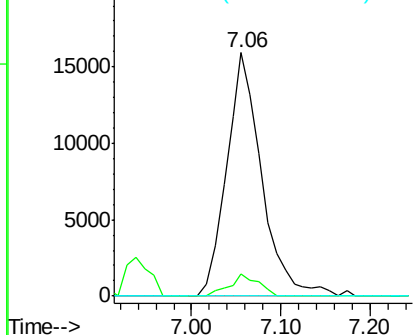


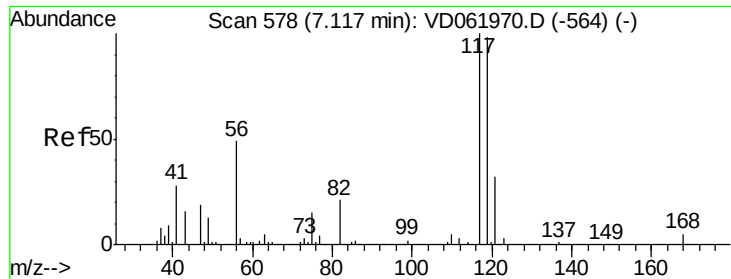
#36
 1,1-Dichloropropene
 Concen: 5.890 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD062021.D
 Acq: 25 Apr 2019 5:24

Tgt Ion: 75 Resp: 43543
 Ion Ratio Lower Upper
 75 100
 110 8.9 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: 5.939 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Instrument :

MSVOA_D

ClientSampleId :

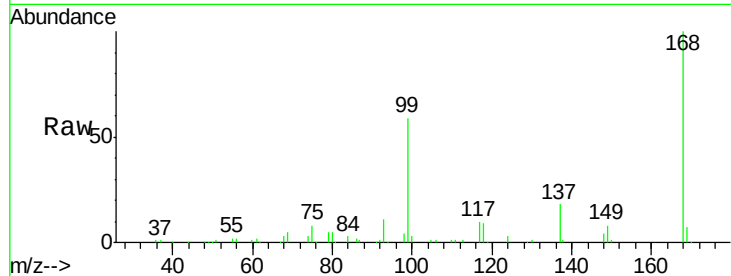
Tot Ion:117 Resp: 55634

Ion Ratio Lower Upper

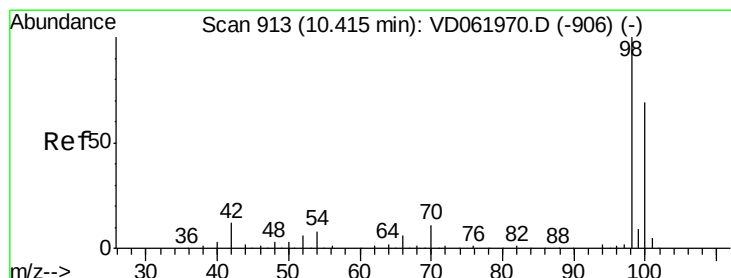
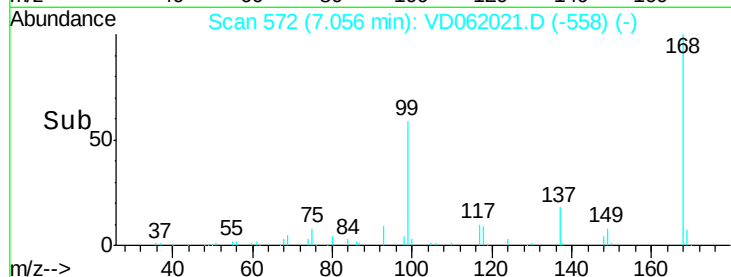
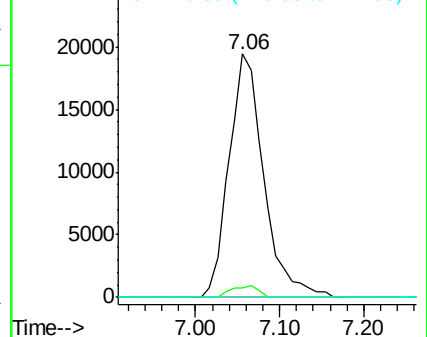
117 100

119 3.8 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: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD062021.D

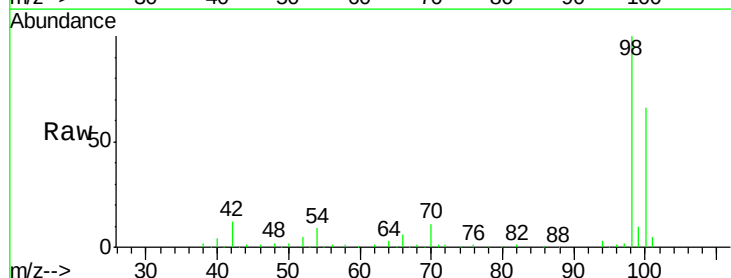
Acq: 25 Apr 2019 5:24

Tgt Ion: 98 Resp: 619097

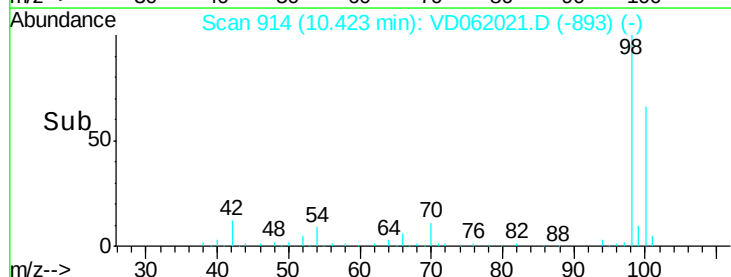
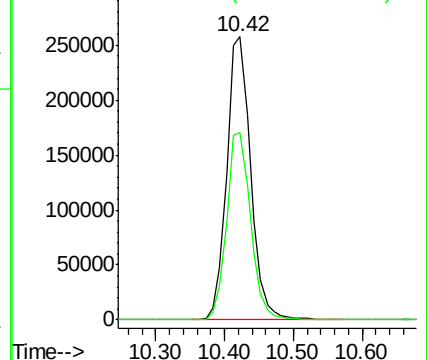
Ion Ratio Lower Upper

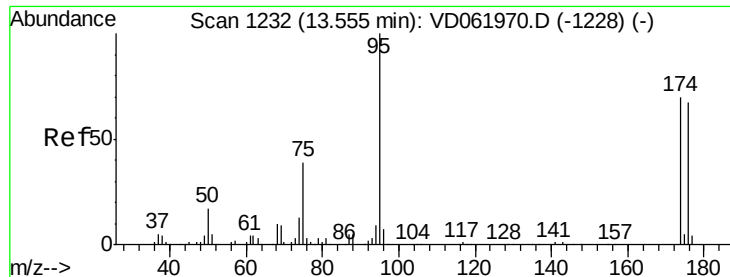
98 100

100 66.2 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: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

Instrument :

MSVOA_D

ClientSampleId :

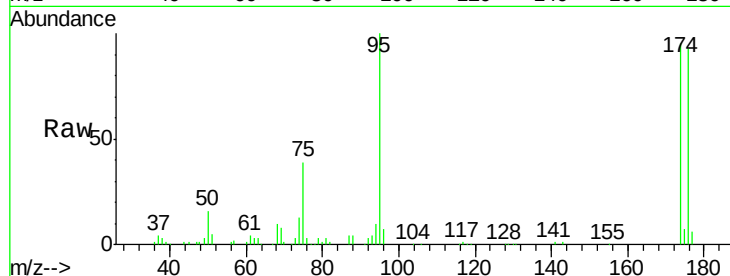
Tot Ion: 95 Resp: 239817

Ion Ratio Lower Upper

95 100

174 95.1 0.0 181.8

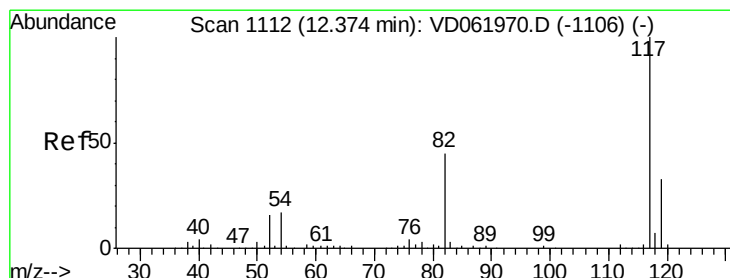
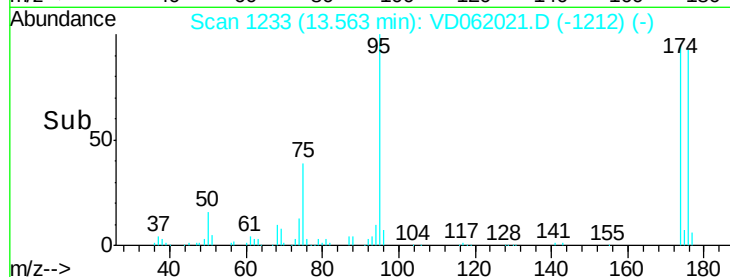
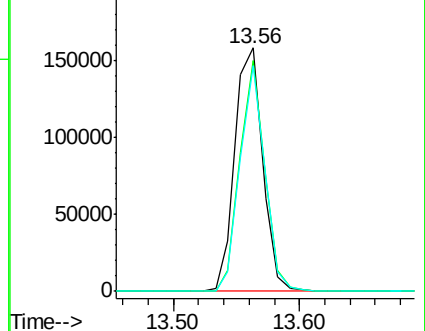
176 92.8 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD062021.D

Acq: 25 Apr 2019 5:24

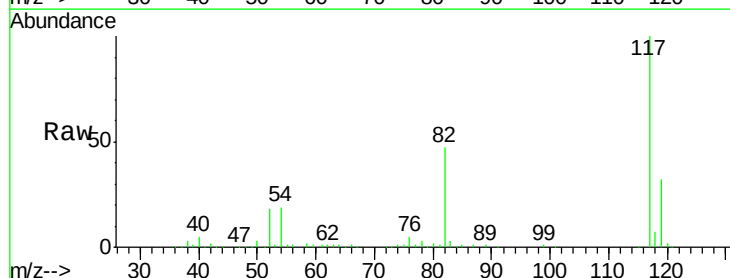
Tgt Ion: 117 Resp: 768484

Ion Ratio Lower Upper

117 100

82 47.1 36.2 54.2

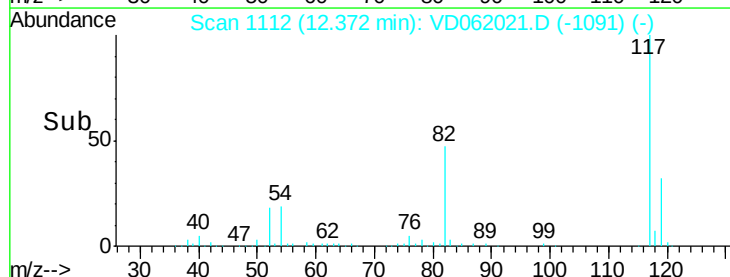
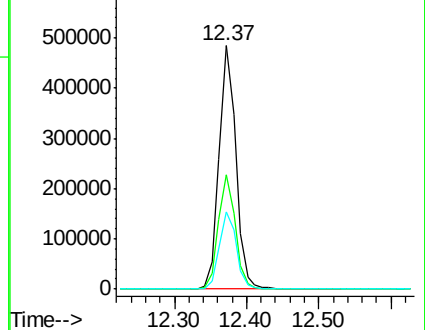
119 31.7 26.2 39.4

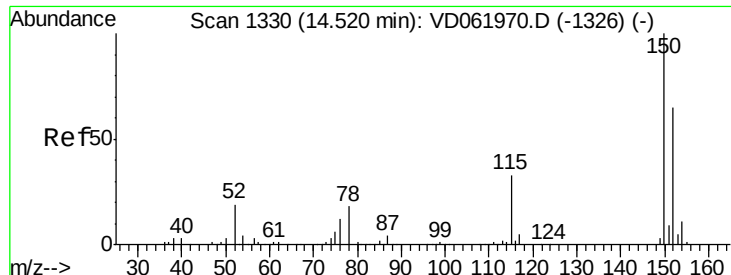


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



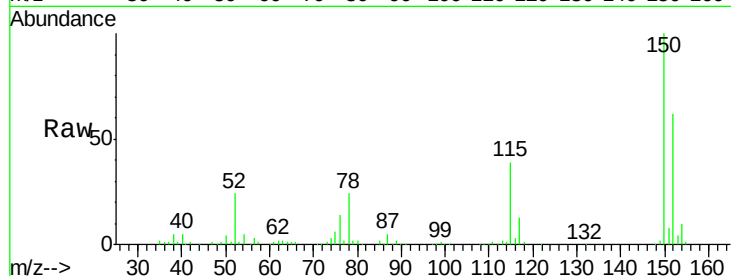


#72

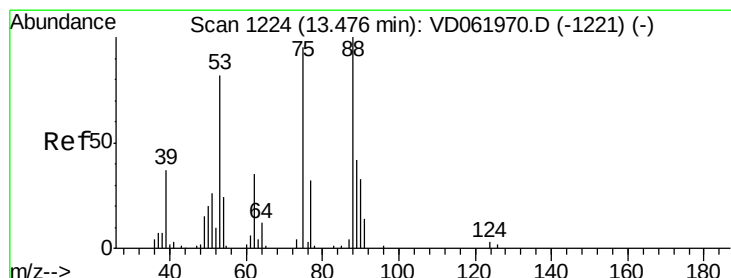
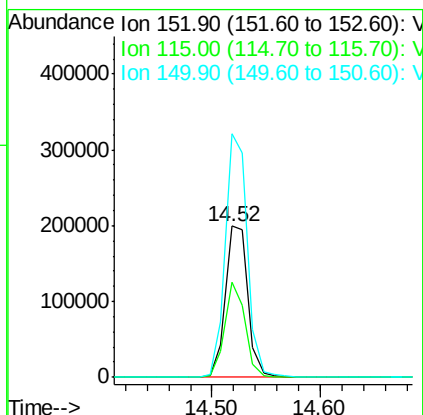
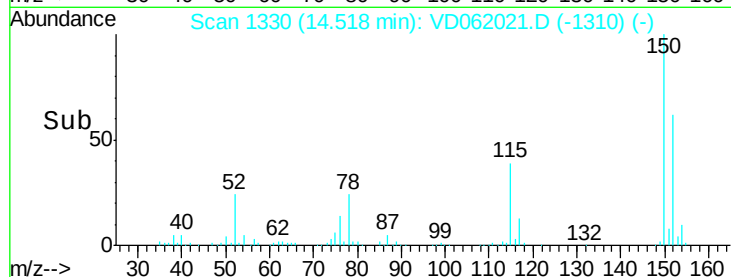
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062021.D
Acq: 25 Apr 2019 5:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 287871
Ion Ratio Lower Upper
152 100
115 62.9 30.9 92.7
150 161.1 0.0 314.8



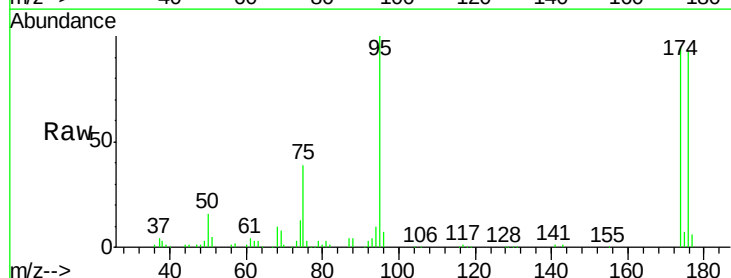
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 87.025 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062021.D
Acq: 25 Apr 2019 5:24

Tgt Ion: 75 Resp: 96403
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

