

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061229.D
 Acq On : 21 Mar 2019 2:48
 Operator : VA/AP
 Sample : K1688-25
 Misc : 5.92g/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:07:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	694380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1173425	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	945660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	377772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	275753	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	6.92	113	442580	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.41	98	932897	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	
62) 4-Bromofluorobenzene	13.55	95	364827	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	

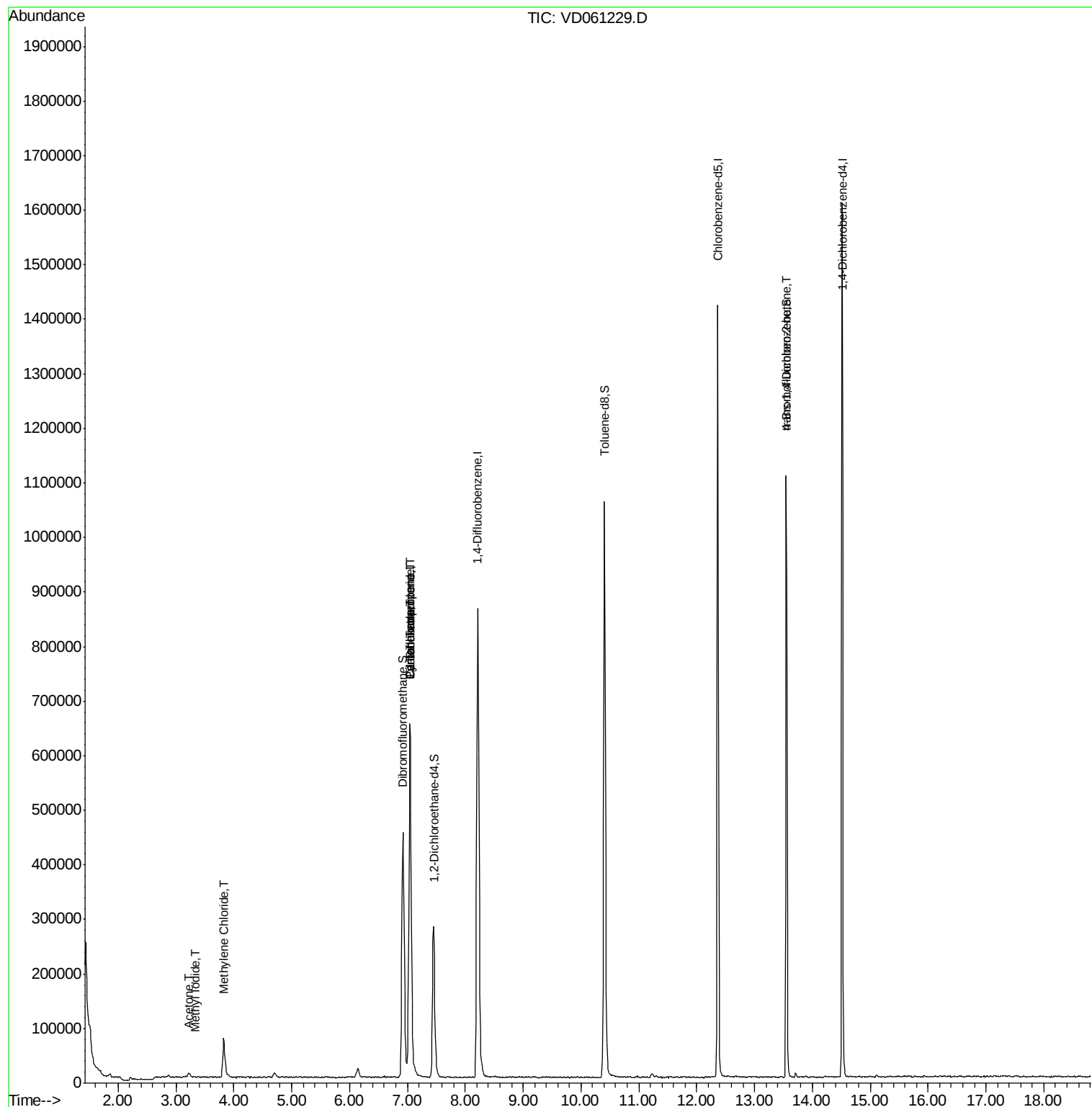
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	928	3.008	ug/l #	39
16) Acetone	3.23	43	15506	9.382	ug/l #	89
20) Methylene Chloride	3.82	84	54545	2.839	ug/l	92
31) Cyclohexane	7.05	56	11755	1.149	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	50233	4.966	ug/l #	46
38) Carbon Tetrachloride	7.04	117	66946	6.009	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	136788	85.368	ug/l #	17

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

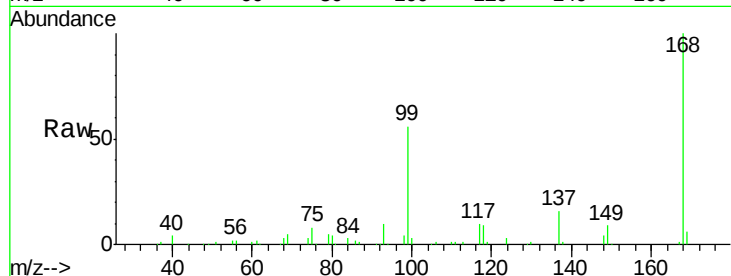
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 694380

Ion Ratio Lower Upper

168 100

99 56.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

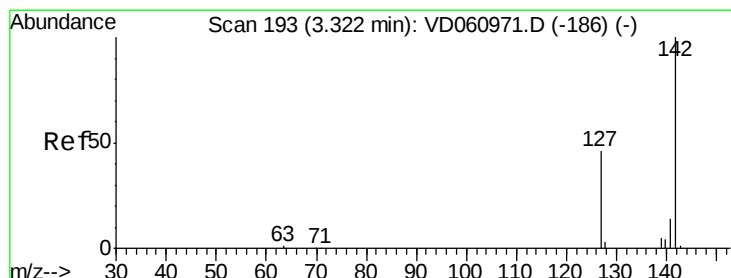
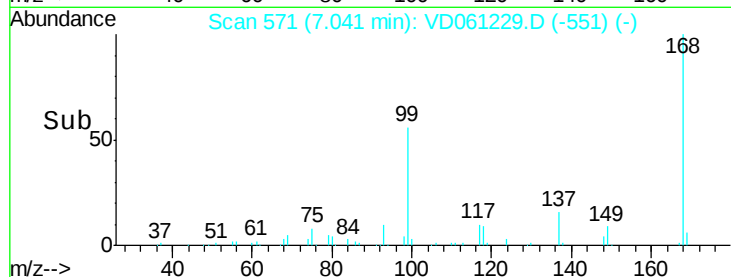
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.008 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

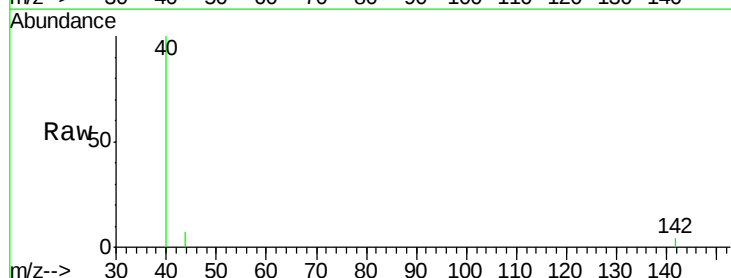
Tgt Ion:142 Resp: 928

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

600

500

400

300

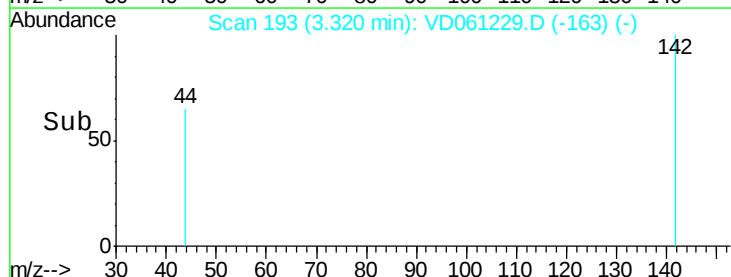
200

100

0

Time-->

3.30 3.35

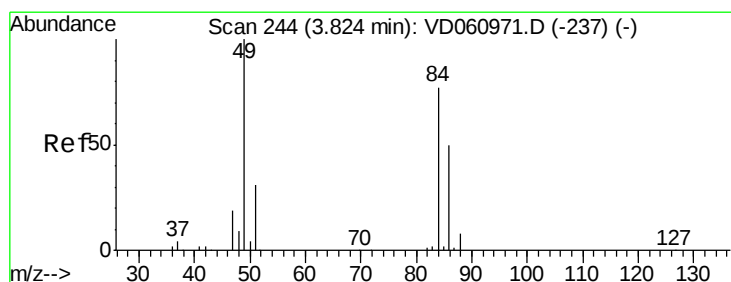
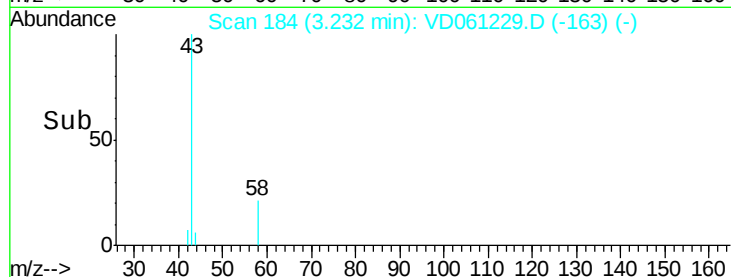
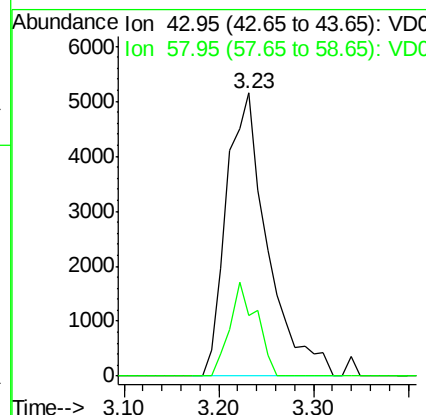
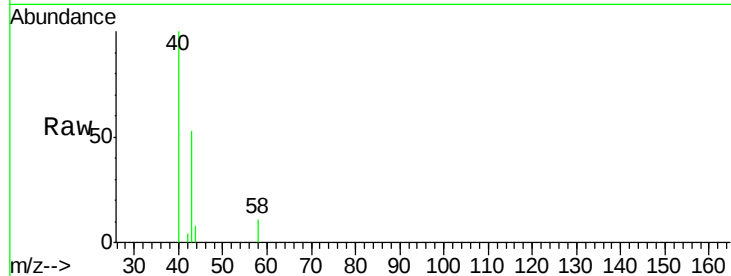




#16
Acetone
Concen: 9.382 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD061229.D
Acq: 21 Mar 2019 2:48

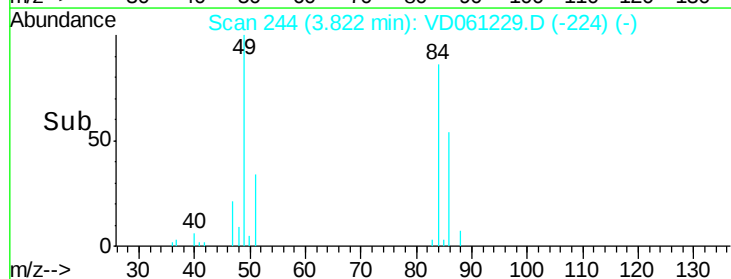
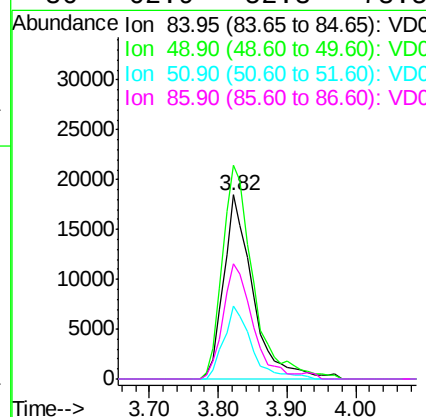
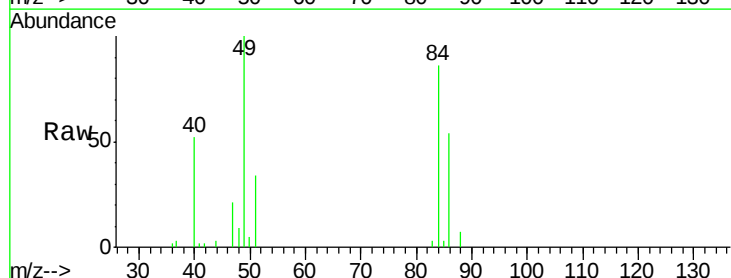
Instrument :
MSVOA_D
ClientSampled :

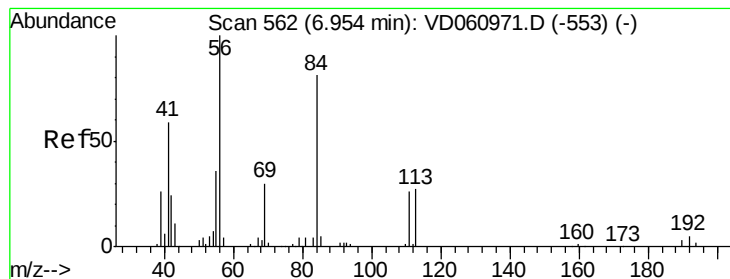
Tot Ion: 43 Resp: 15506
Ion Ratio Lower Upper
43 100
58 21.5 21.6 32.4#



#20
Methylene Chloride
Concen: 2.839 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061229.D
Acq: 21 Mar 2019 2:48

Tgt Ion: 84 Resp: 54545
Ion Ratio Lower Upper
84 100
49 115.9 104.2 156.2
51 39.9 32.3 48.5
86 62.9 52.3 78.5





#31

Cyclohexane

Concen: 1.149 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

Instrument :

MSVOA_D

ClientSampleId :

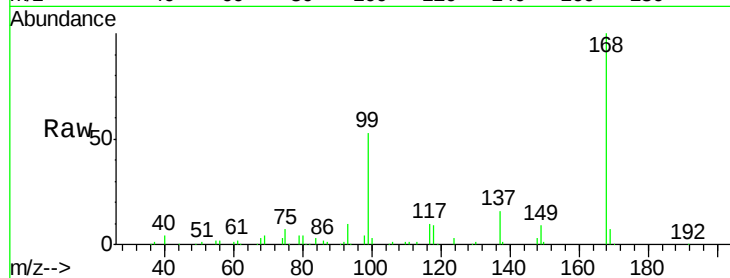
Tot Ion: 56 Resp: 11755

Ion Ratio Lower Upper

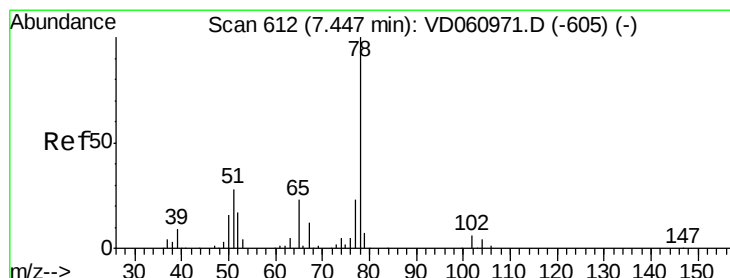
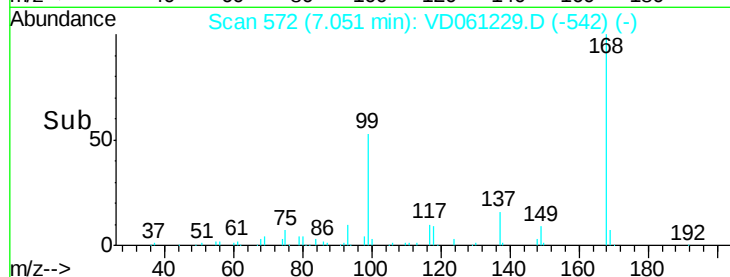
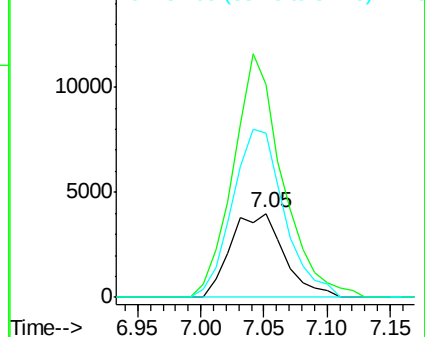
56 100

69 254.3 24.0 36.0#

84 195.9 65.8 98.6#



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# 613

Delta R.T. 0.01 min

Lab File: VD061229.D

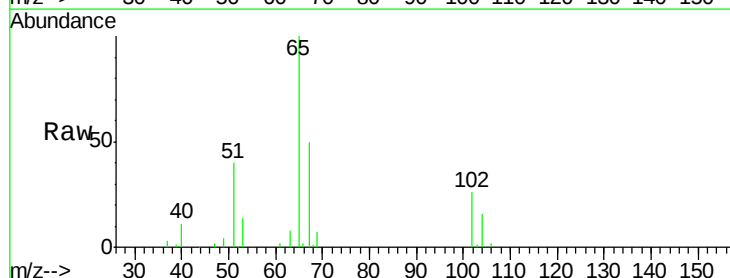
Acq: 21 Mar 2019 2:48

Tgt Ion: 65 Resp: 275753

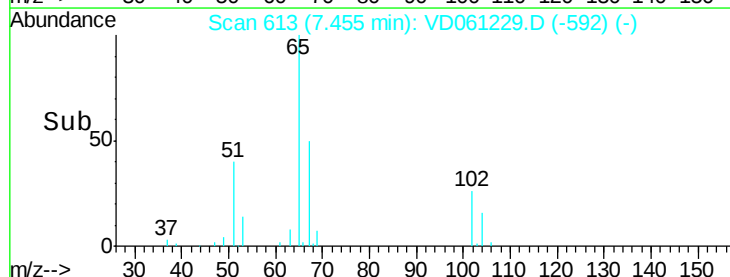
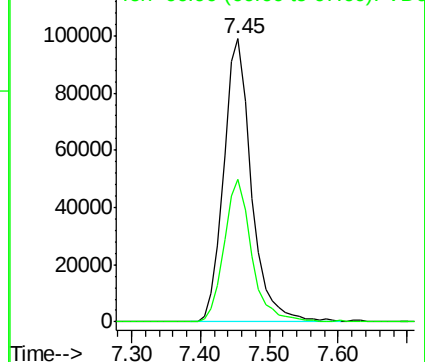
Ion Ratio Lower Upper

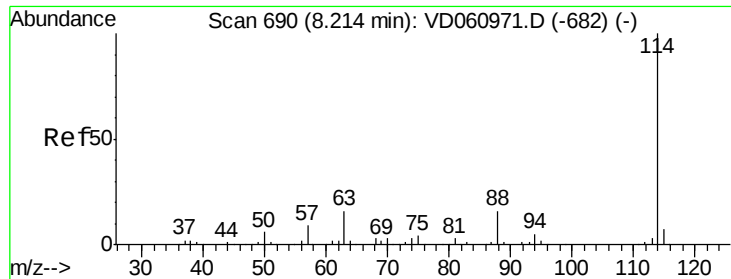
65 100

67 50.2 0.0 105.2



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

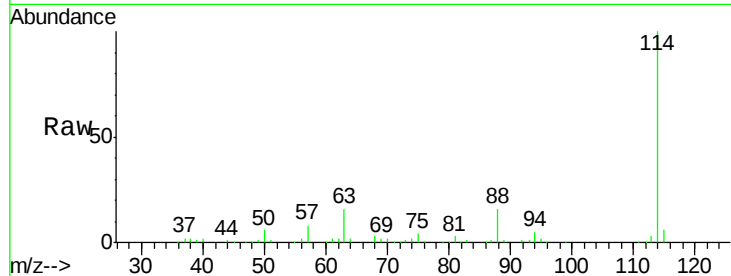




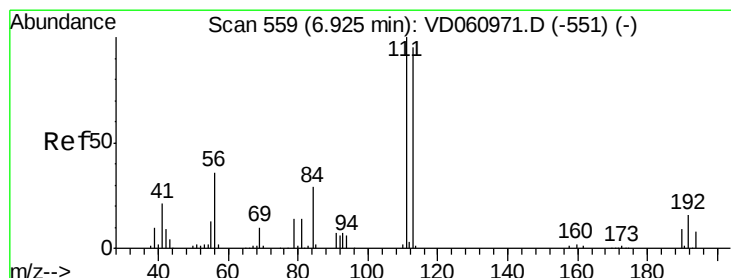
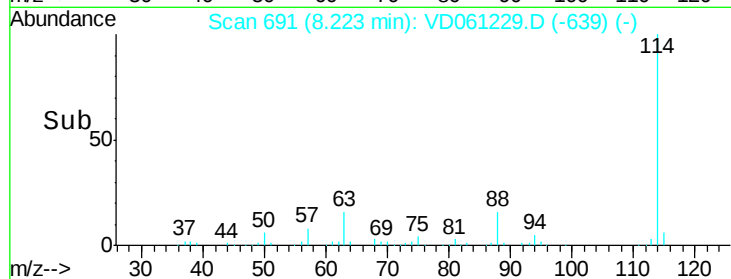
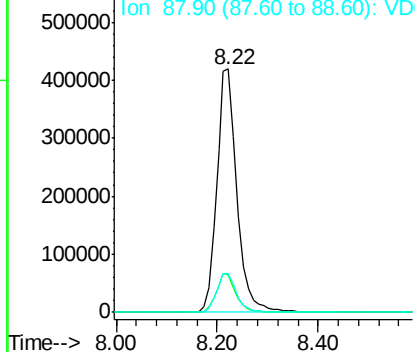
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061229.D
 Acq: 21 Mar 2019 2:48

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 1173425
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 16.0 0.0 33.0

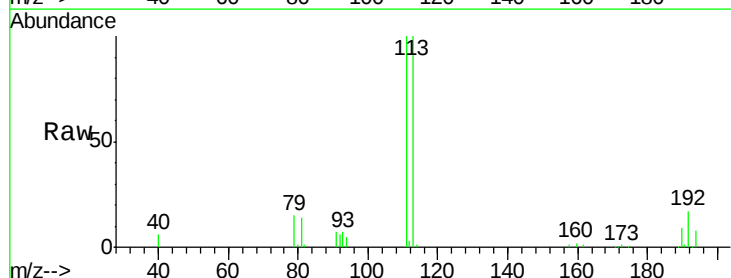


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

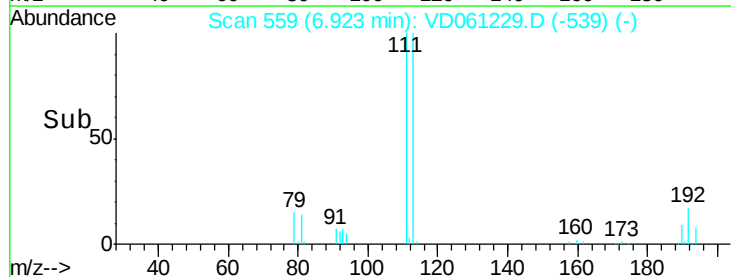
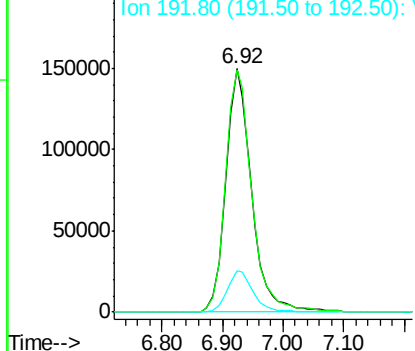


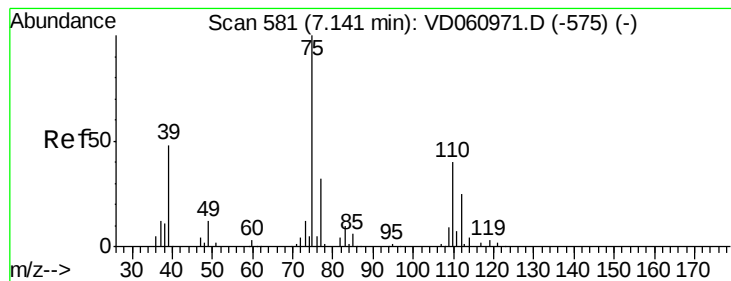
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061229.D
 Acq: 21 Mar 2019 2:48

Tgt Ion:113 Resp: 442580
 Ion Ratio Lower Upper
 113 100
 111 99.7 84.2 126.4
 192 17.0 13.1 19.7



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: 4.966 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

Instrument :

MSVOA_D

ClientSampled :

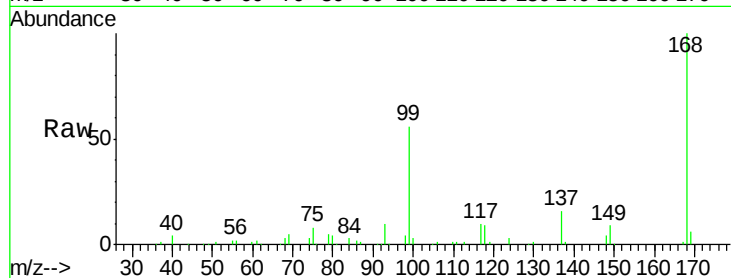
Tot Ion: 75 Resp: 50233

Ion Ratio Lower Upper

75 100

110 7.0 19.7 59.1#

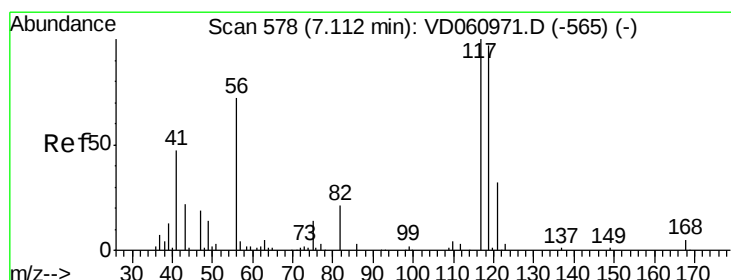
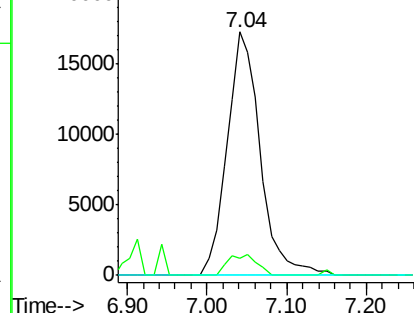
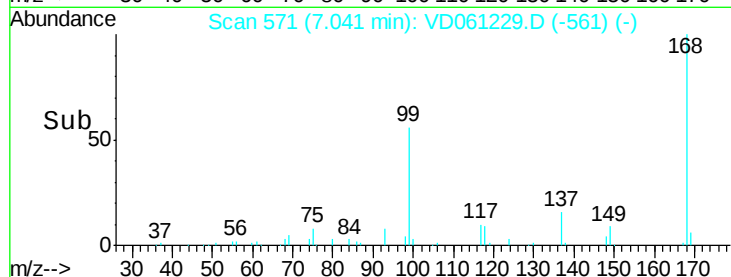
77 0.0 24.7 37.1#



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: 6.009 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

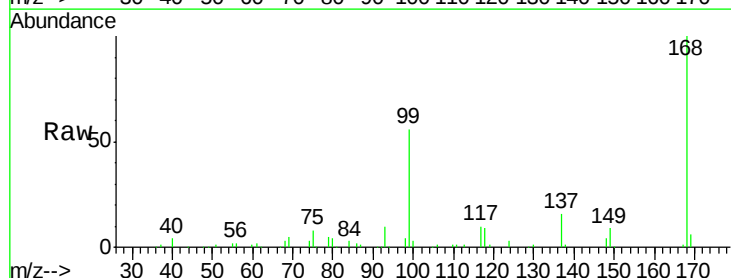
Tgt Ion: 117 Resp: 66946

Ion Ratio Lower Upper

117 100

119 5.2 77.8 116.8#

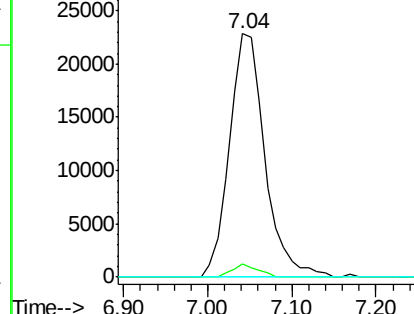
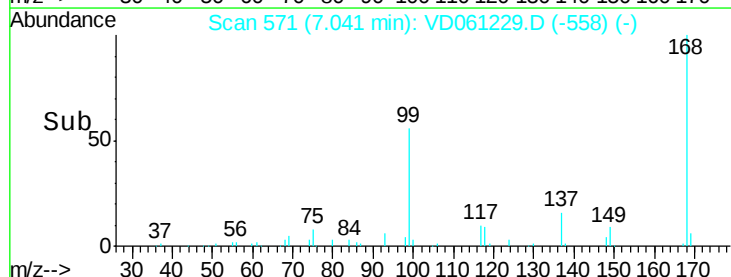
121 0.0 25.3 37.9#

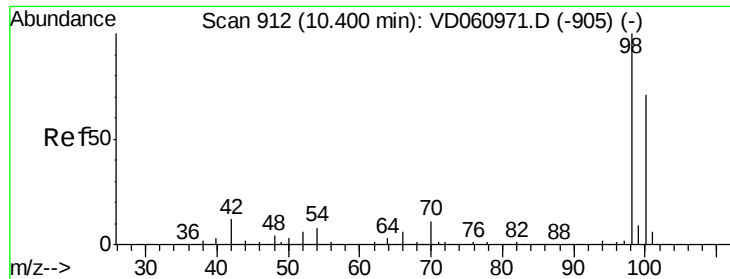


Abundance Ion 116.85 (116.55 to 117.55): V

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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

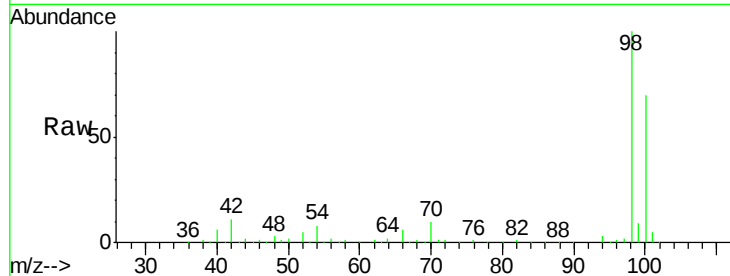
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 932897

Ion Ratio Lower Upper

98 100

100 69.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

10.41

400000

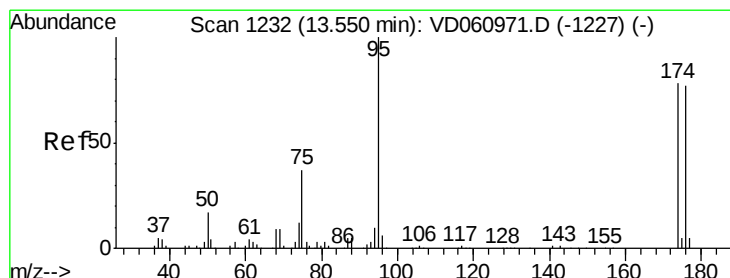
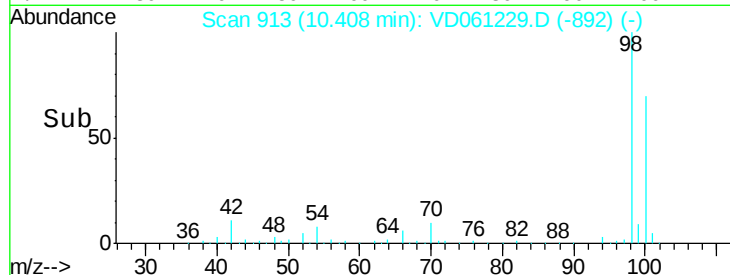
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

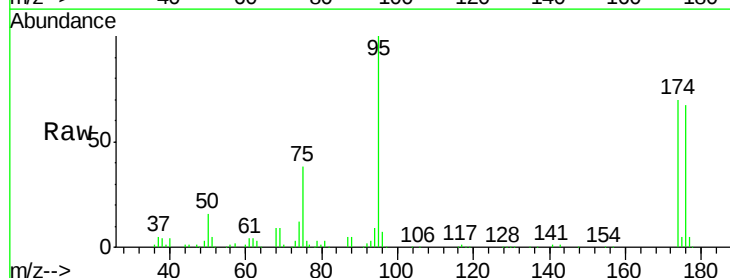
Tgt Ion: 95 Resp: 364827

Ion Ratio Lower Upper

95 100

174 70.1 0.0 155.6

176 66.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

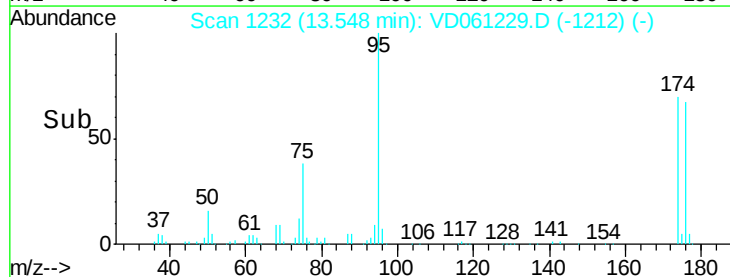
300000

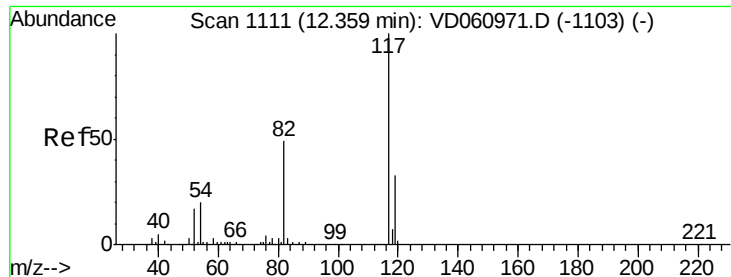
200000

100000

0

Time-->

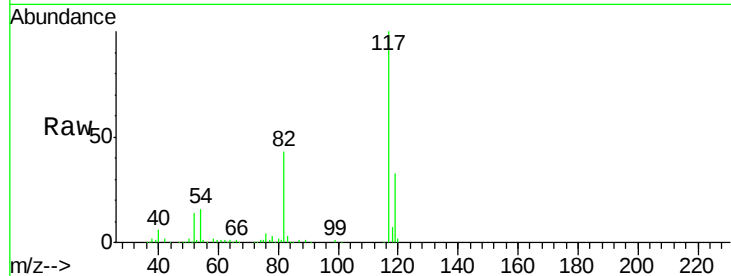




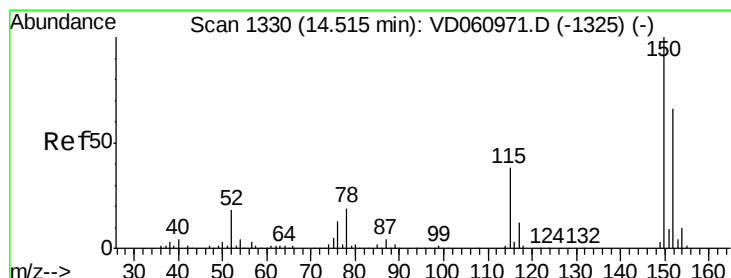
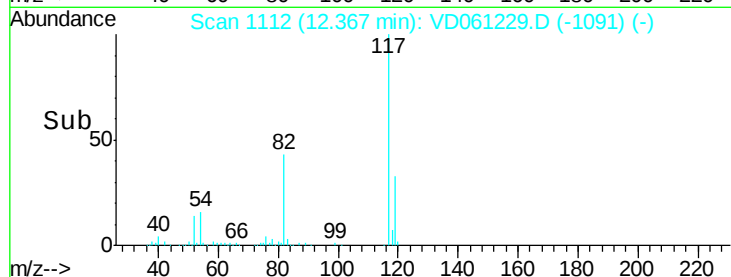
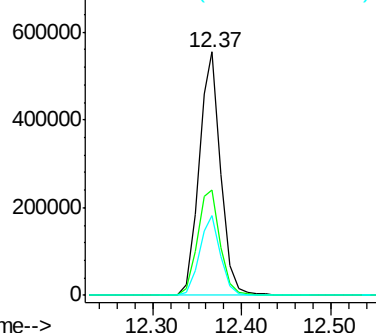
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061229.D
Acq: 21 Mar 2019 2:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 945660
Ion Ratio Lower Upper
117 100
82 43.1 38.9 58.3
119 32.6 26.6 39.8

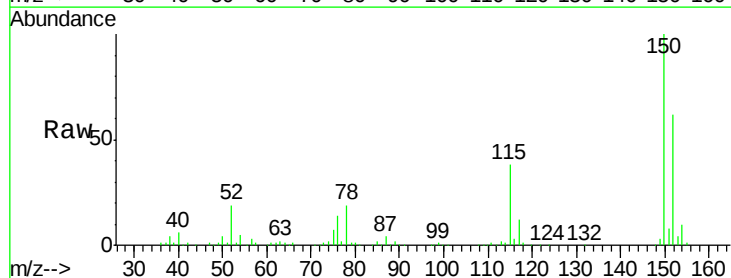


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

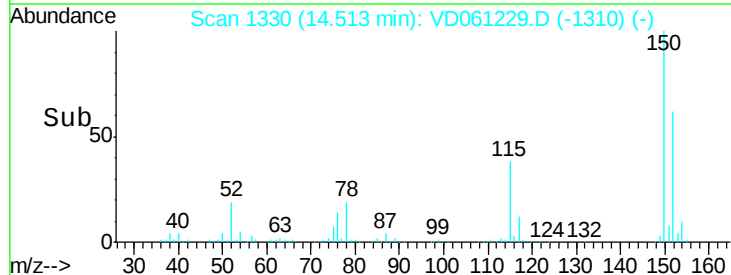
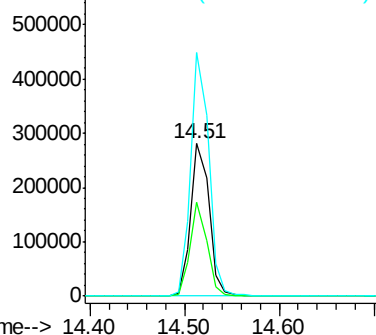


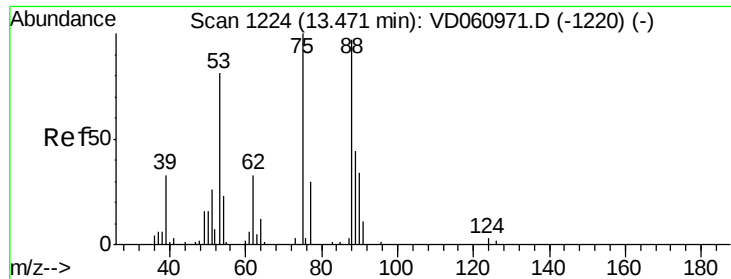
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061229.D
Acq: 21 Mar 2019 2:48

Tgt Ion:152 Resp: 377772
Ion Ratio Lower Upper
152 100
115 61.5 28.6 85.9
150 160.1 0.0 310.6



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: 85.368 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061229.D

Acq: 21 Mar 2019 2:48

Instrument :

MSVOA_D

ClientSampleId :

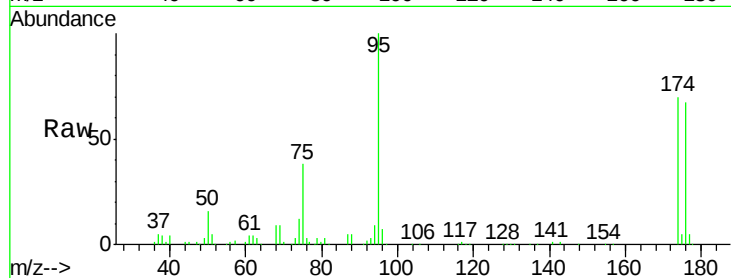
Tot Ion: 75 Resp: 136788

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



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

