

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062014.D
 Acq On : 25 Apr 2019 1:40
 Operator : VA/AP
 Sample : VD0424SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 02:54:22 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	7.05	168	526274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	931046	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	709587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	350679	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	237831	57.74	ug/l	0.00
Spiked Amount			Recovery	=	115.48%	
35) Dibromofluoromethane	6.92	113	355308	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
50) Toluene-d8	10.41	98	806674	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	13.56	95	320272	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	

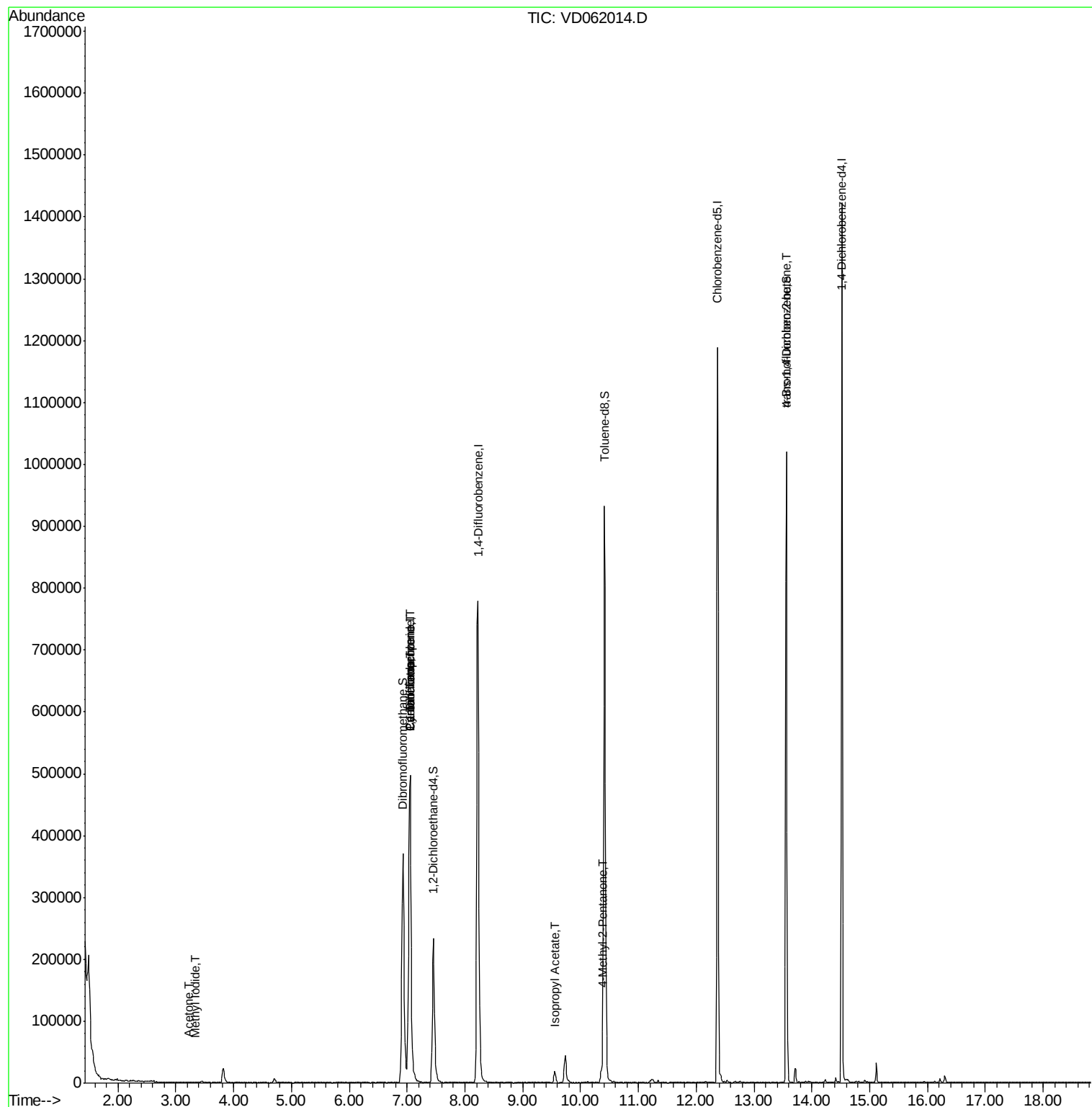
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	218	Below Cal	#	12
10) Methyl Iodide	3.33	142	180	5.449	ug/l #	37
16) Acetone	3.22	43	1801	1.831	ug/l #	50
31) Cyclohexane	7.05	56	8846	1.442	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	38154	5.260	ug/l #	46
38) Carbon Tetrachloride	7.05	117	51322	5.583	ug/l #	15
43) Isopropyl Acetate	9.55	43	13551	3.000	ug/l #	43
51) 4-Methyl-2-Pentanone	10.37	43	3252	1.177	ug/l #	37
81) trans-1,4-Dichloro-2-buten	13.56	75	124078	91.946	ug/l #	16

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

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Quant Time: Apr 25 02:54:22 2019
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: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

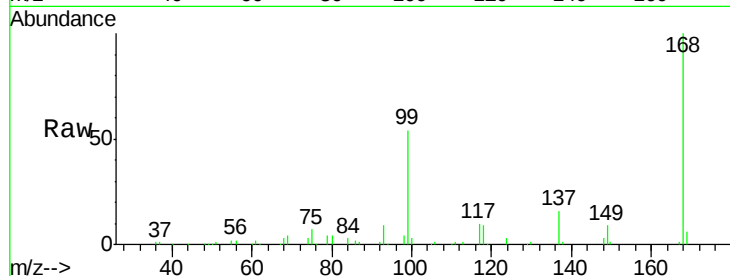
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 526274

Ion Ratio Lower Upper

168 100

99 54.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

200000

150000

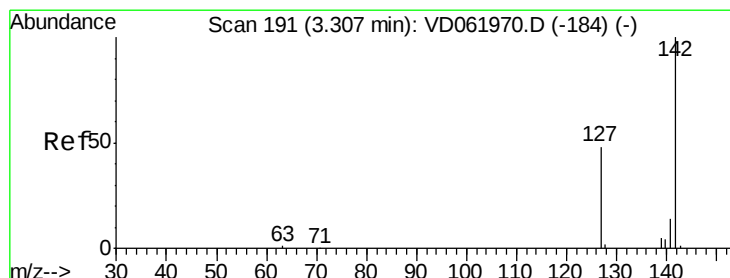
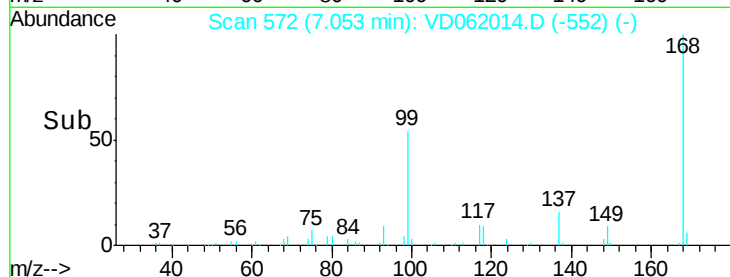
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 5.449 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

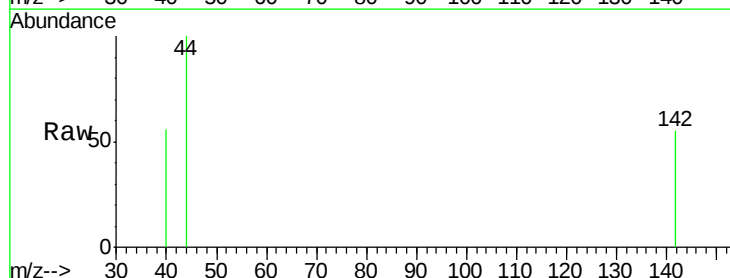
Tgt Ion:142 Resp: 180

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



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

3.33

400

300

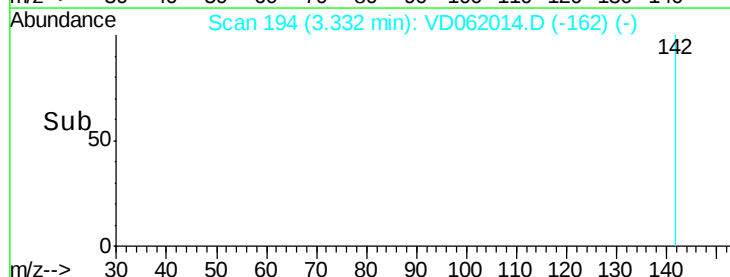
200

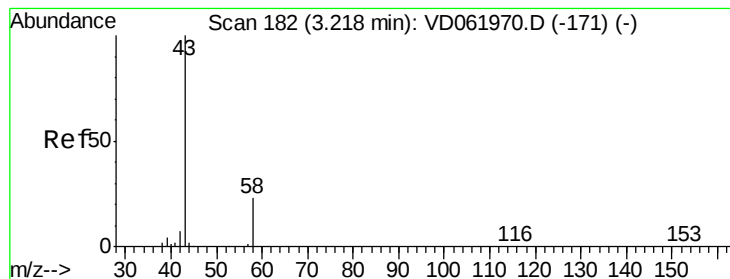
100

0

3.30 3.32 3.34 3.36

Time-->





#16

Acetone

Concen: 1.831 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

Instrument :

MSVOA_D

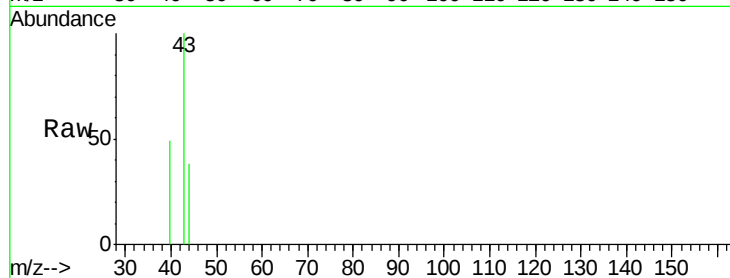
ClientSampleId :

Tot Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

1200

1000

800

600

400

200

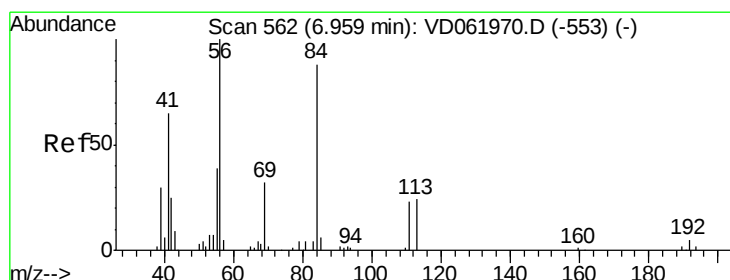
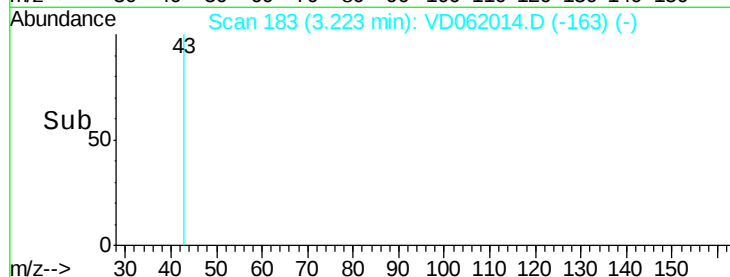
0

Time-->

3.15

3.20

3.25



#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.09 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

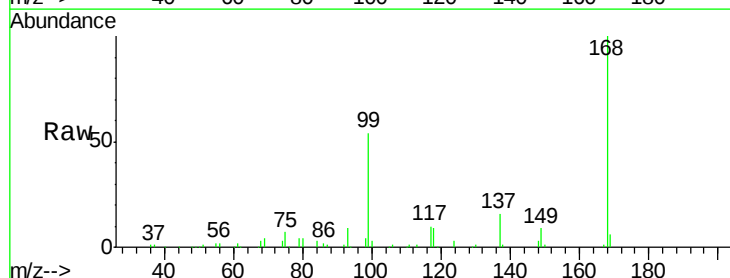
Tgt Ion: 56 Resp: 8846

Ion Ratio Lower Upper

56 100

69 219.1 25.8 38.6#

84 146.3 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

10000

8000

6000

4000

2000

0

Time-->

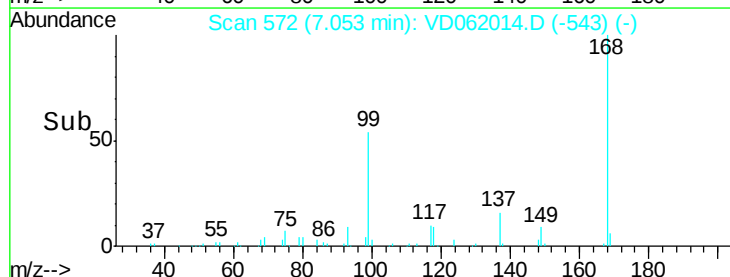
6.95

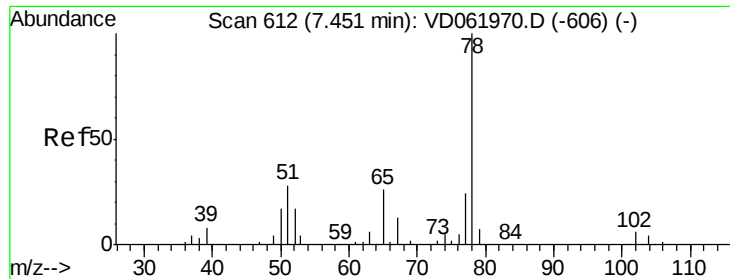
7.00

7.05

7.10

7.15

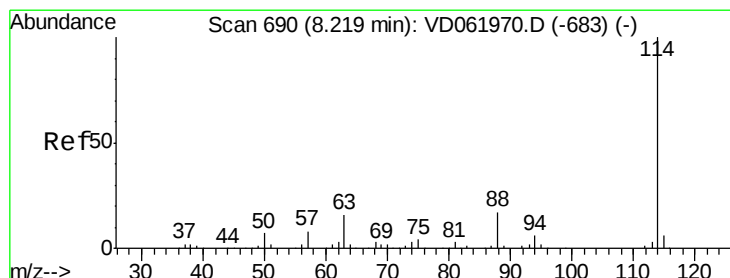
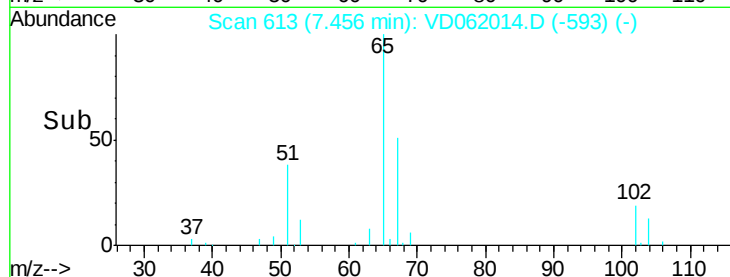
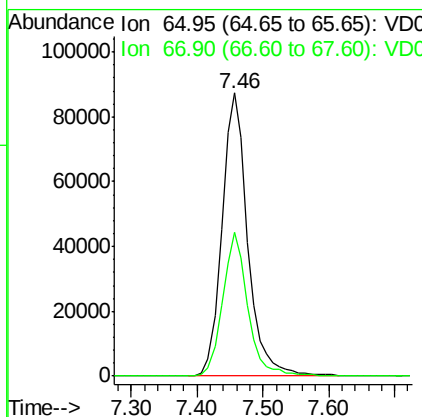
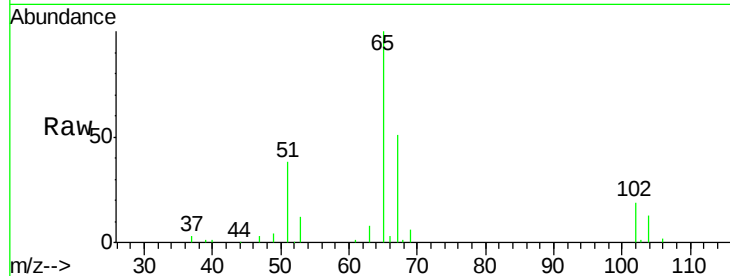




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062014.D
 Acq: 25 Apr 2019 1:40

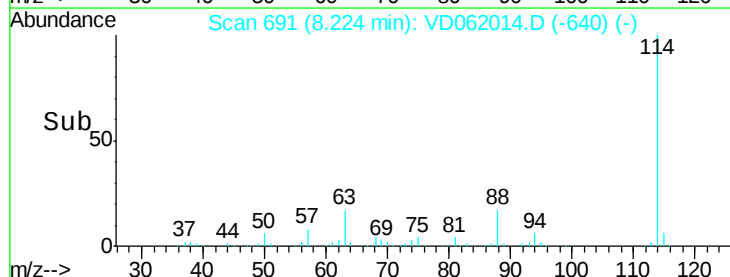
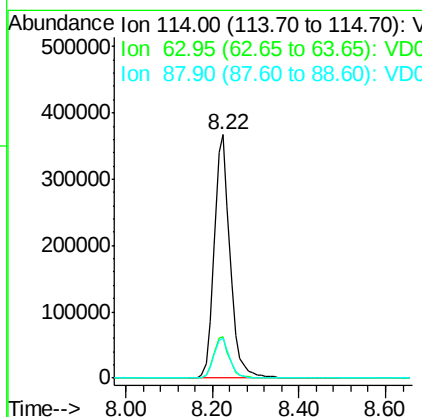
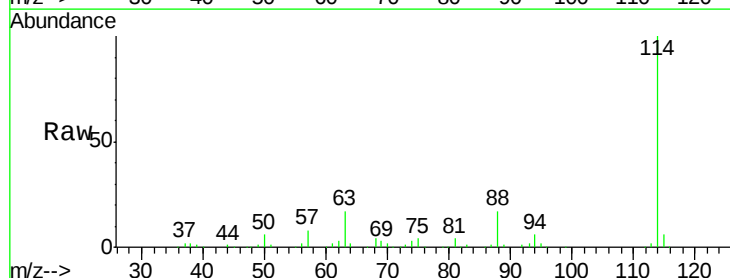
Instrument :
 MSVOA_D
 ClientSampled :

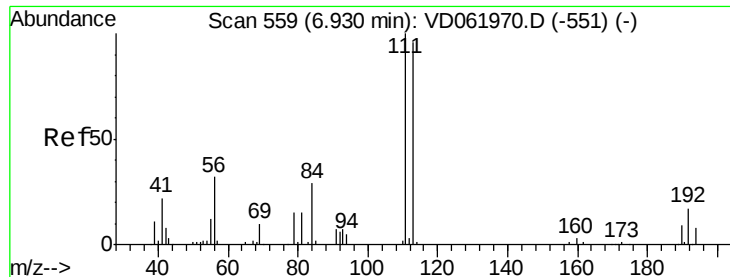
Tot Ion: 65 Resp: 237831
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062014.D
 Acq: 25 Apr 2019 1:40

Tgt Ion:114 Resp: 931046
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 16.6 0.0 33.6

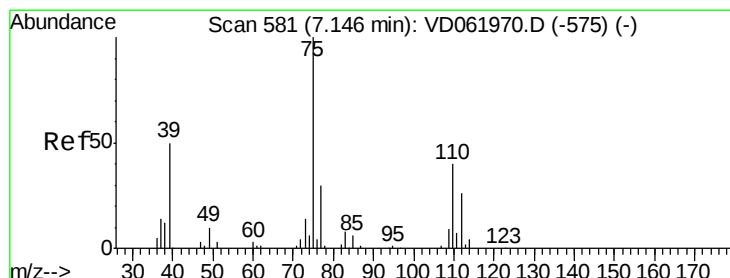
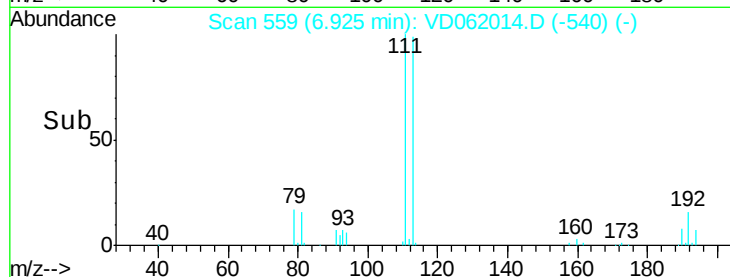
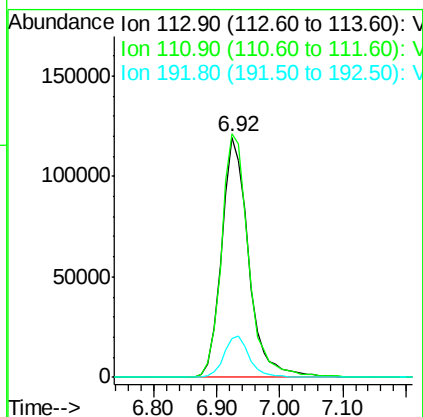
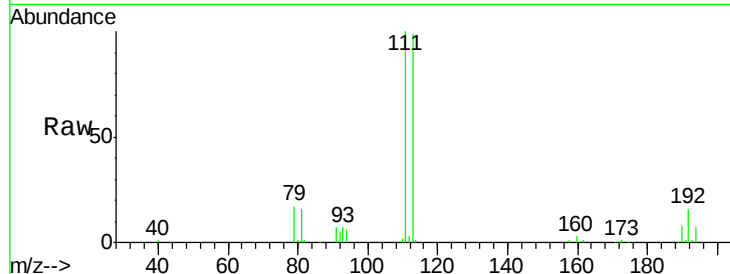




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062014.D
 Acq: 25 Apr 2019 1:40

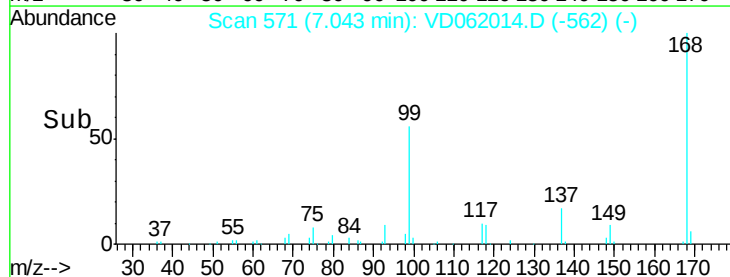
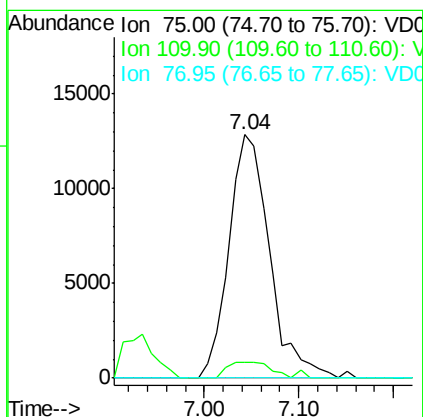
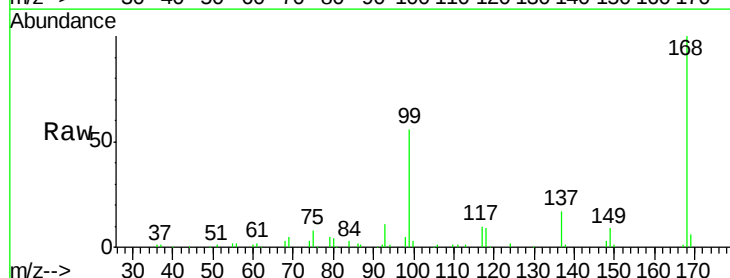
Instrument :
 MSVOA_D
 ClientSampleId :

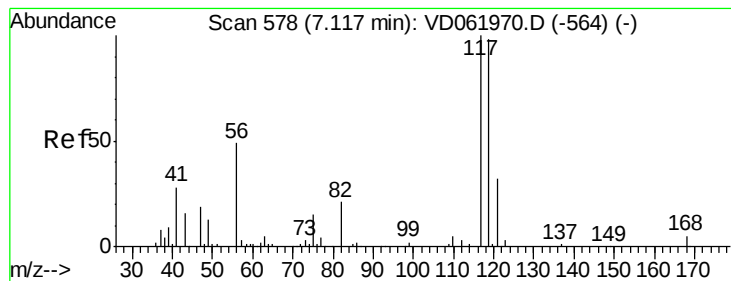
Tot Ion:113 Resp: 355308
 Ion Ratio Lower Upper
 113 100
 111 101.4 78.5 117.7
 192 16.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 5.260 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.11 min
 Lab File: VD062014.D
 Acq: 25 Apr 2019 1:40

Tgt Ion: 75 Resp: 38154
 Ion Ratio Lower Upper
 75 100
 110 6.7 19.1 57.1#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.583 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

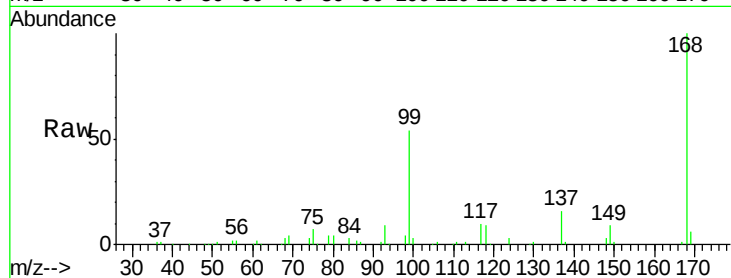
Tot Ion:117 Resp: 51322

Ion Ratio Lower Upper

117 100

119 3.8 75.8 113.8#

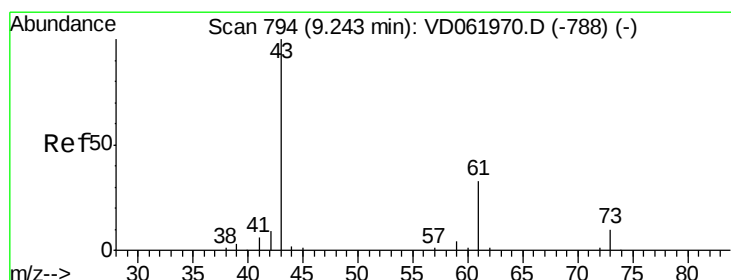
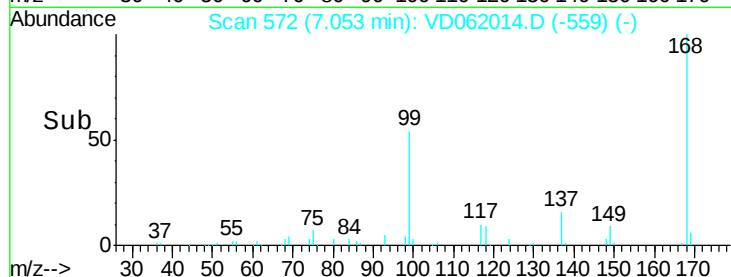
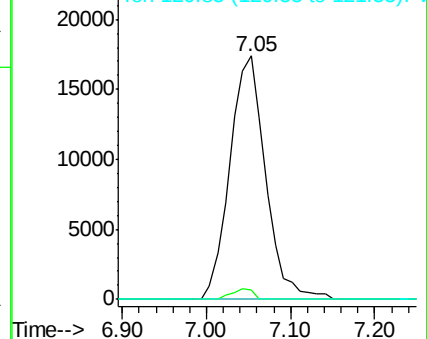
121 0.0 25.9 38.9#



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



#43

Isopropyl Acetate

Concen: 3.000 ug/l

RT: 9.55 min Scan# 826

Delta R.T. 0.31 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

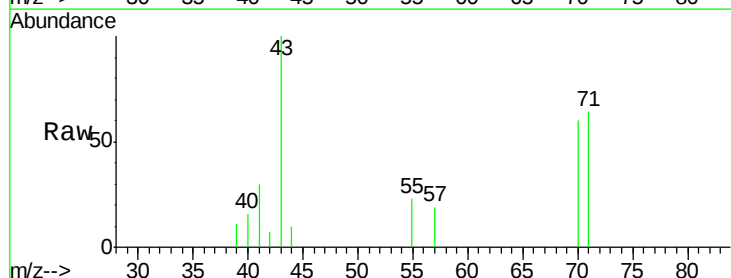
Tgt Ion: 43 Resp: 13551

Ion Ratio Lower Upper

43 100

61 0.0 25.1 37.7#

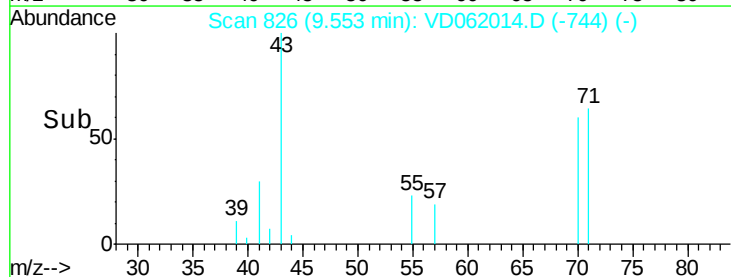
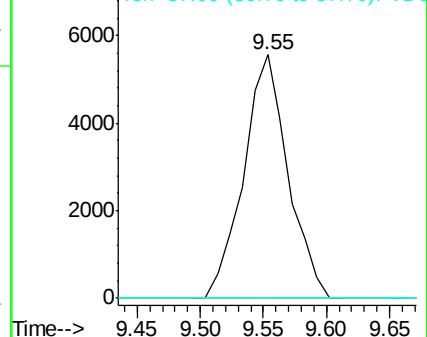
87 0.0 0.0 0.0

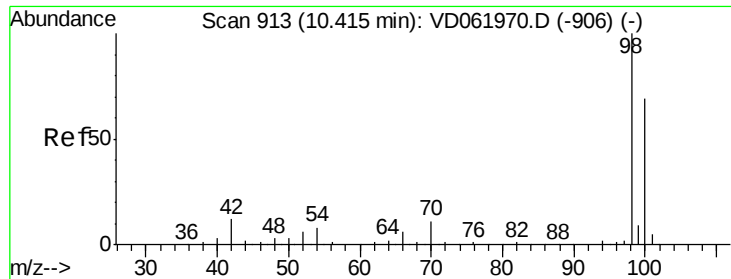


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V

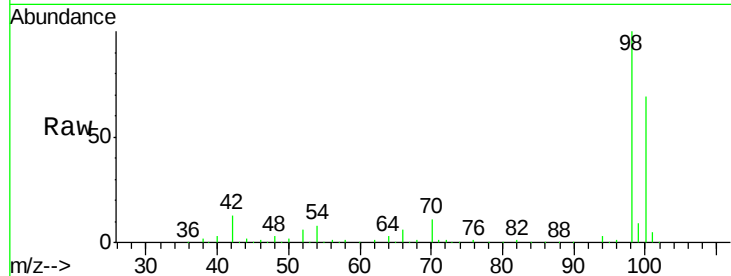




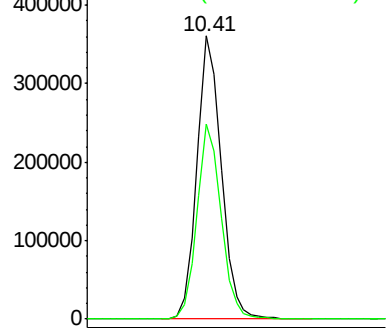
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062014.D
Acq: 25 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

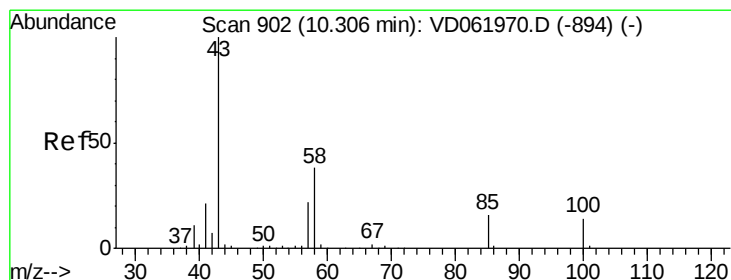
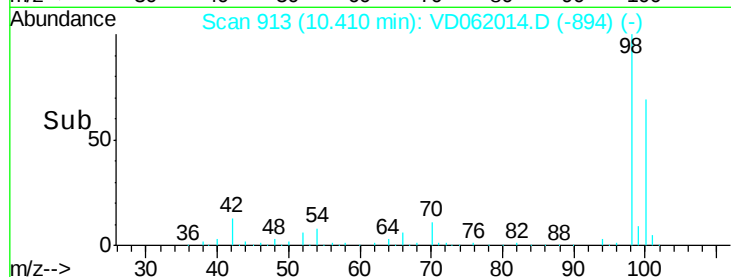
Tot Ion: 98 Resp: 806674
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

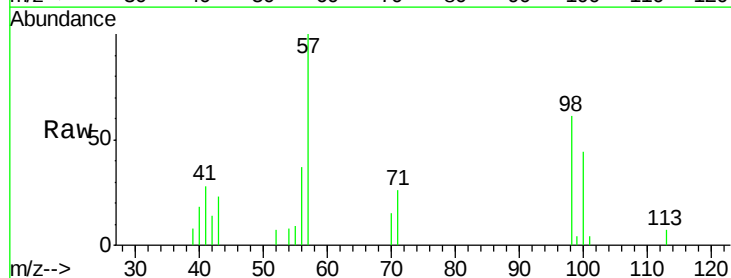


Time-->

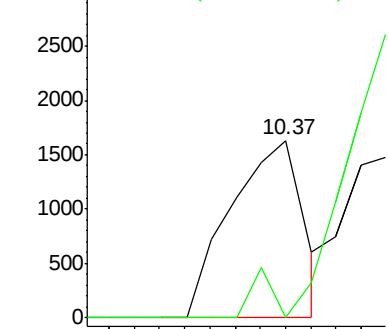


#51
4-Methyl-2-Pentanone
Concen: 1.177 ug/l
RT: 10.37 min Scan# 909
Delta R.T. 0.07 min
Lab File: VD062014.D
Acq: 25 Apr 2019 1:40

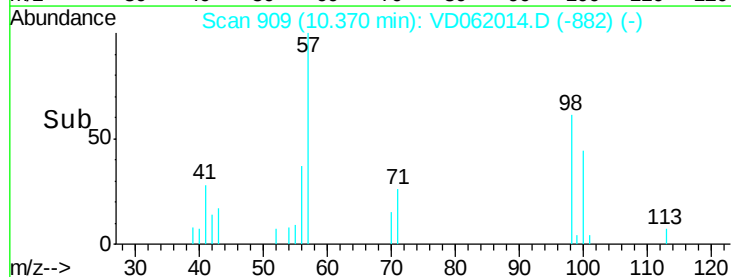
Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

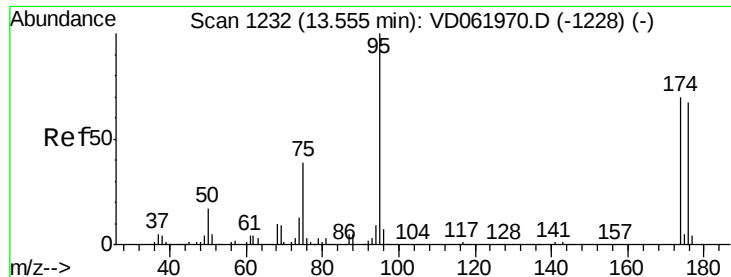


Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

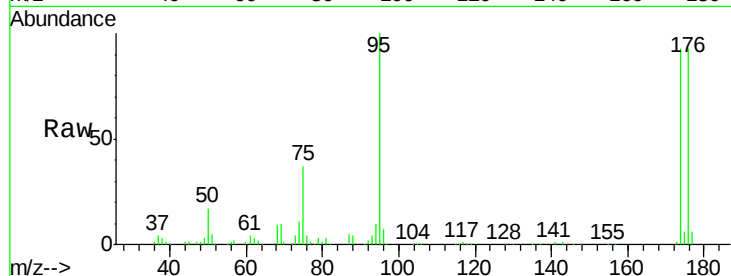
Tot Ion: 95 Resp: 320272

Ion Ratio Lower Upper

95 100

174 92.7 0.0 181.8

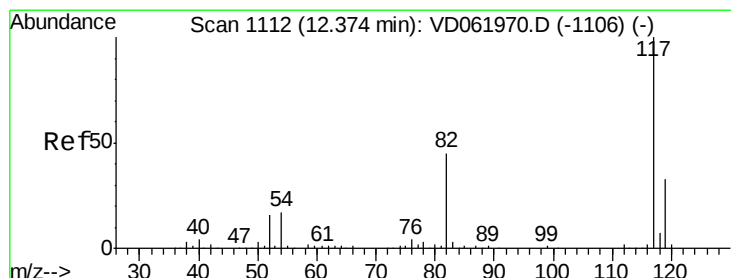
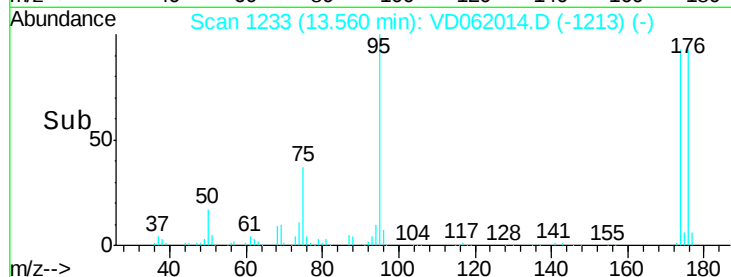
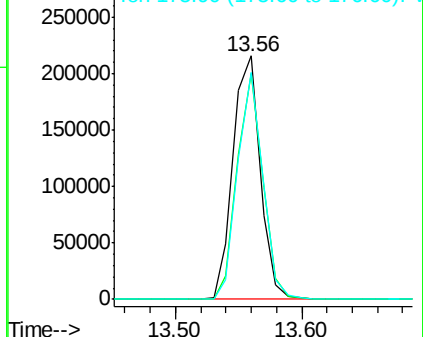
176 93.4 0.0 174.4



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: VD062014.D

Acq: 25 Apr 2019 1:40

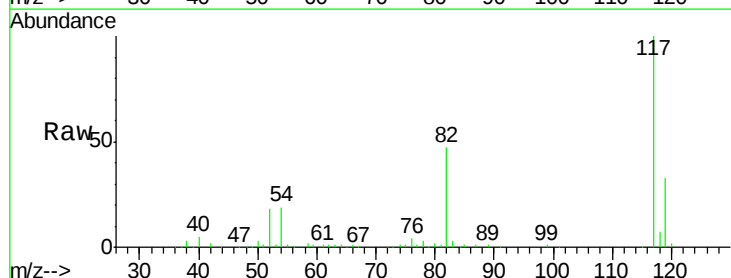
Tgt Ion: 117 Resp: 709587

Ion Ratio Lower Upper

117 100

82 47.2 36.2 54.2

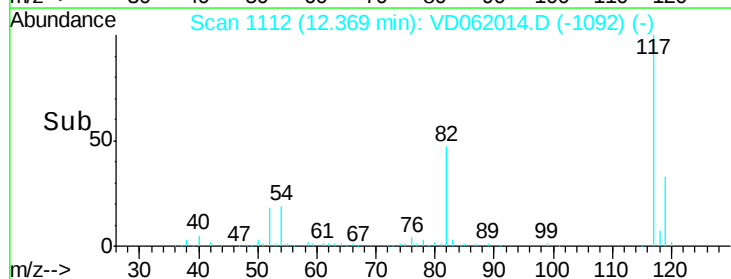
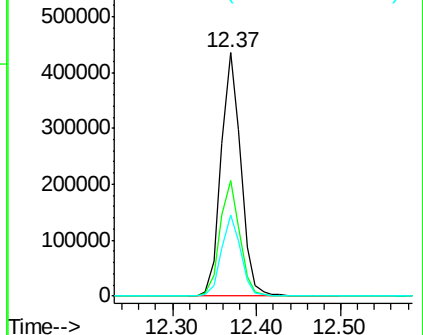
119 33.2 26.2 39.4

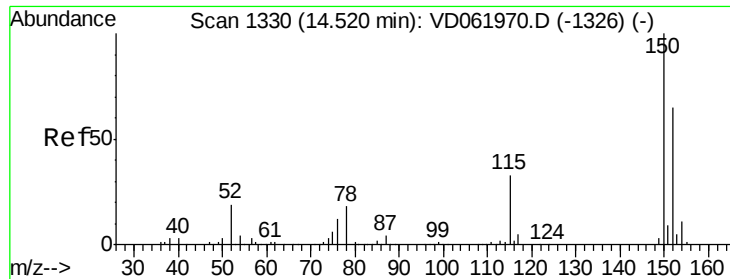


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.00 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

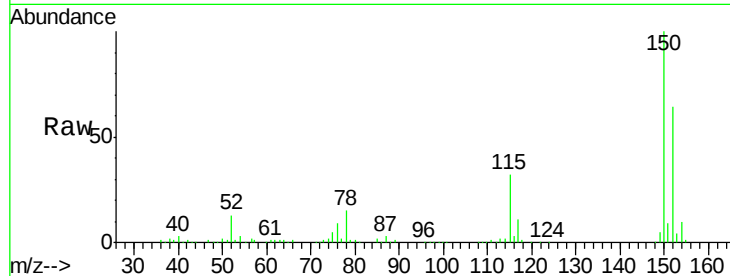
Tot Ion:152 Resp: 350679

Ion Ratio Lower Upper

152 100

115 49.4 30.9 92.7

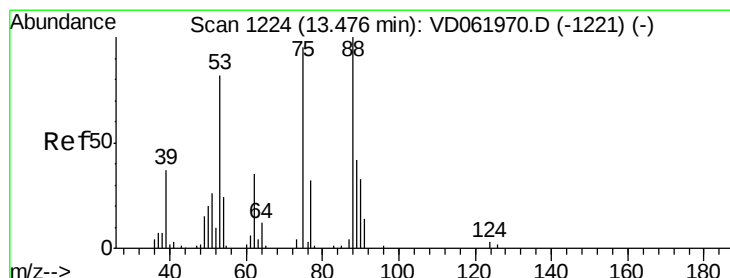
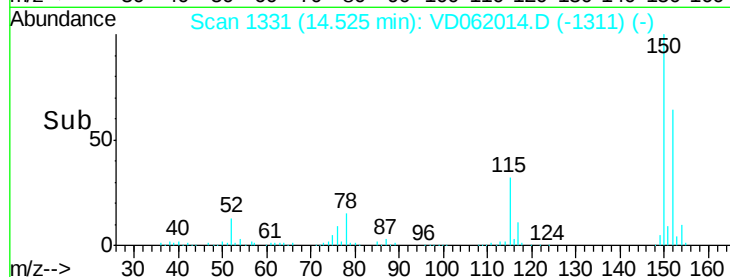
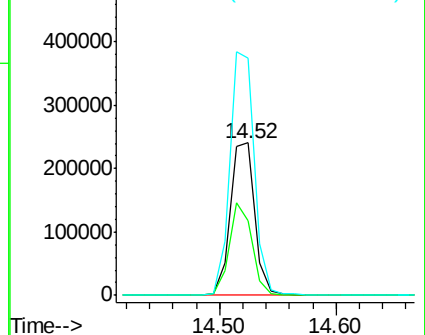
150 155.6 0.0 314.8



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: 91.946 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062014.D

Acq: 25 Apr 2019 1:40

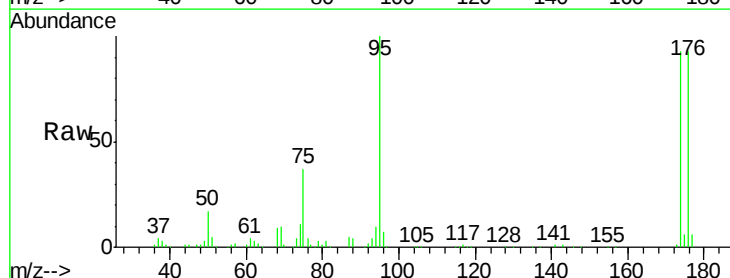
Tgt Ion: 75 Resp: 124078

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

