

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
 Data File : VD062017.D
 Acq On : 25 Apr 2019 3:33
 Operator : VA/AP
 Sample : K2542-02
 Misc : 6.11g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 25 05:10:02 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	635001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	941448	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	794878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	321117	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	234391	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
35) Dibromofluoromethane	6.93	113	336445	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
50) Toluene-d8	10.42	98	714473	46.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	13.56	95	272108	43.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.58%	

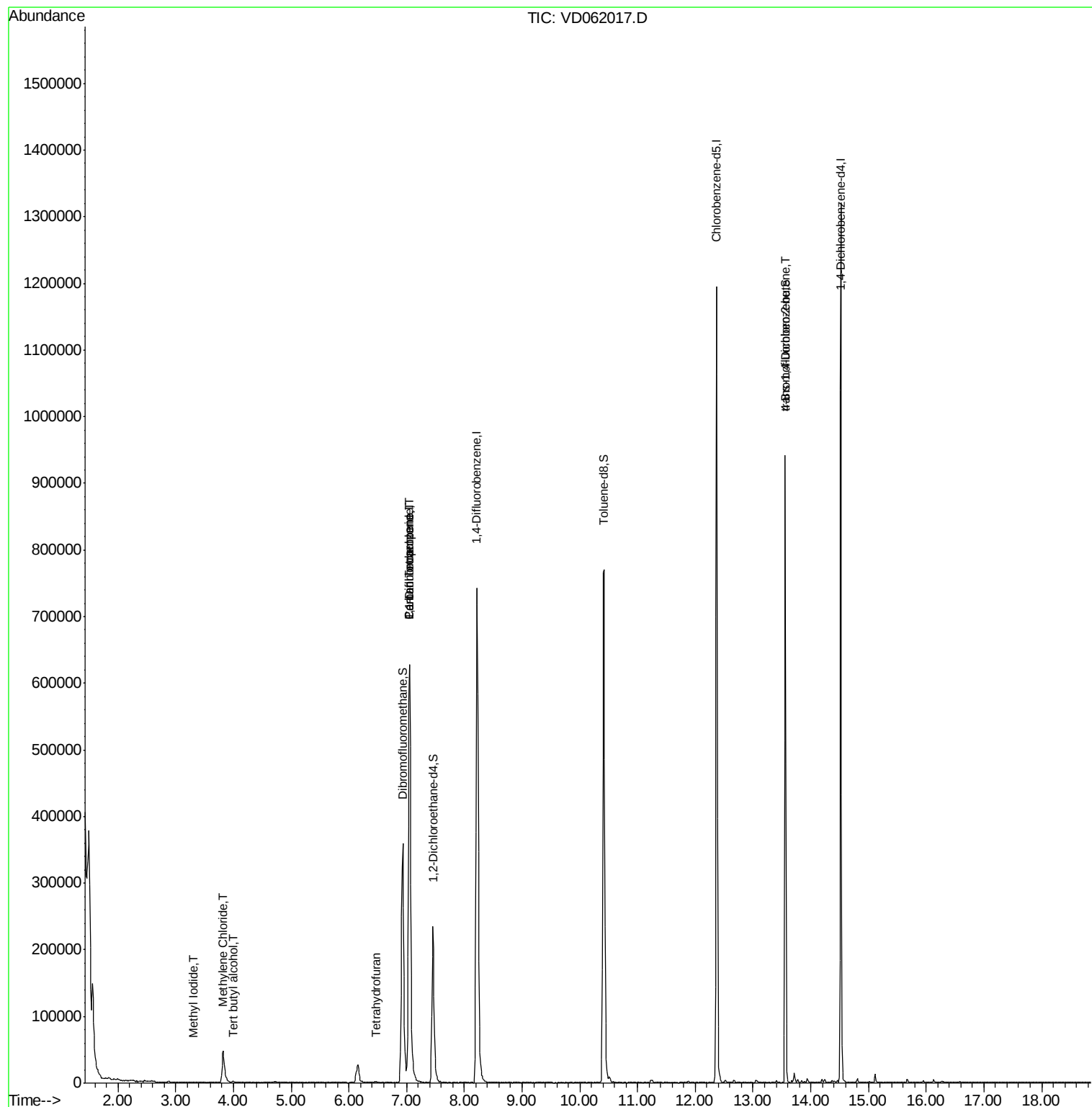
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	451	Below Cal	#	12
10) Methyl Iodide	3.32	142	950	5.520	ug/l #	37
11) Tert butyl alcohol	4.00	59	890	3.170	ug/l #	76
18) Methyl Acetate	3.64	43	961	Below Cal	#	53
20) Methylene Chloride	3.82	84	36998	3.435	ug/l	98
29) Tetrahydrofuran	6.46	42	1261	1.779	ug/l #	55
36) 1,1-Dichloropropene	7.05	75	45164	6.157	ug/l #	46
38) Carbon Tetrachloride	7.05	117	63163	6.796	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	105667	85.512	ug/l #	16

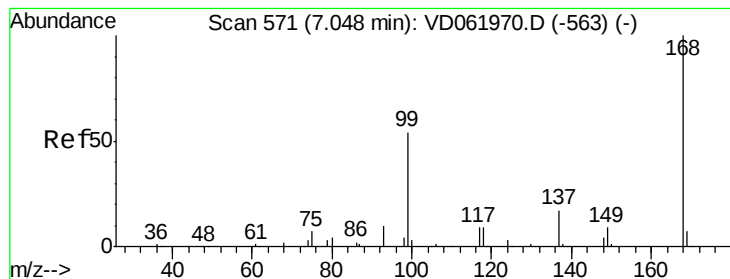
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042419\NOT REVIEWED DATA\
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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: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

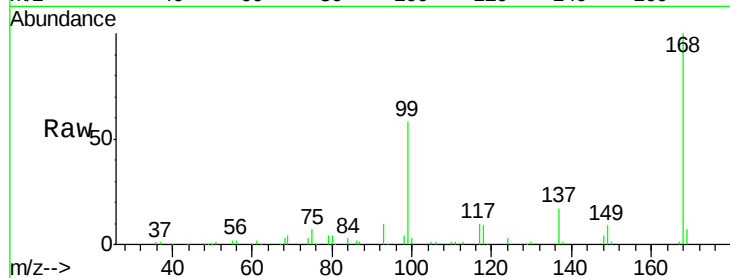
ClientSampleId :

Tot Ion:168 Resp: 635001

Ion Ratio Lower Upper

168 100

99 57.7 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

250000

200000

150000

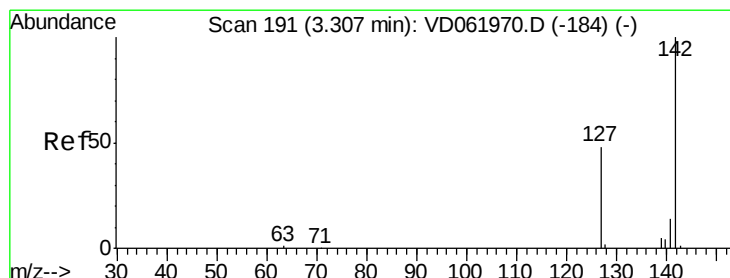
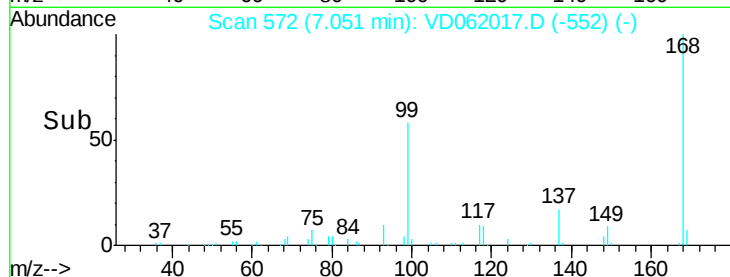
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 5.520 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

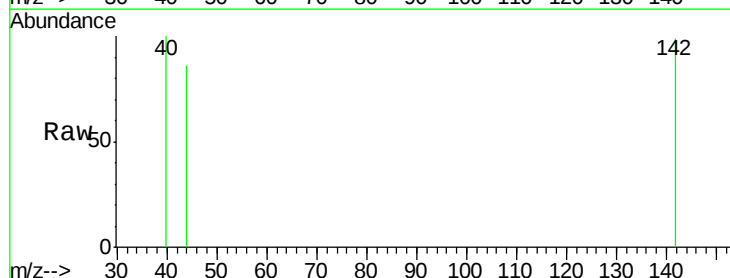
Tgt Ion:142 Resp: 950

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

3.32

600

500

400

300

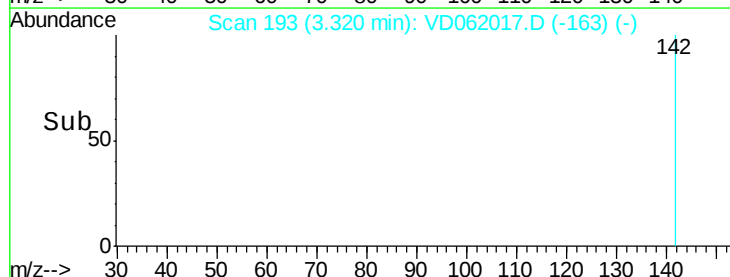
200

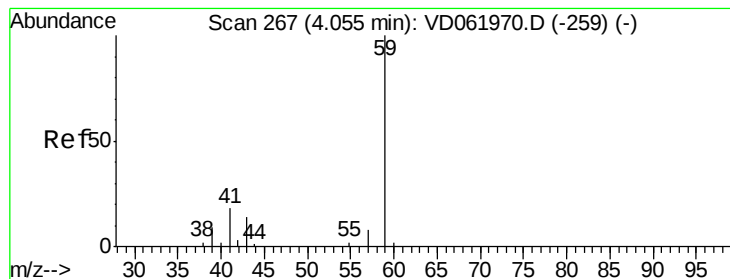
100

0

3.30 3.35

Time-->



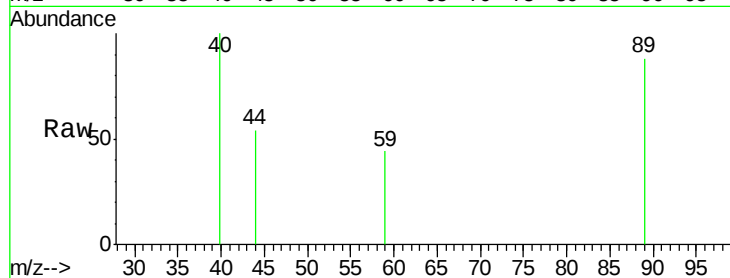


#11

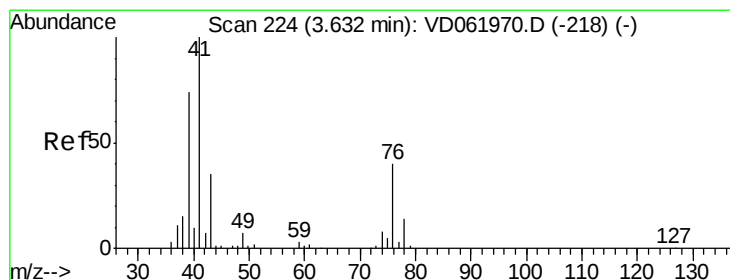
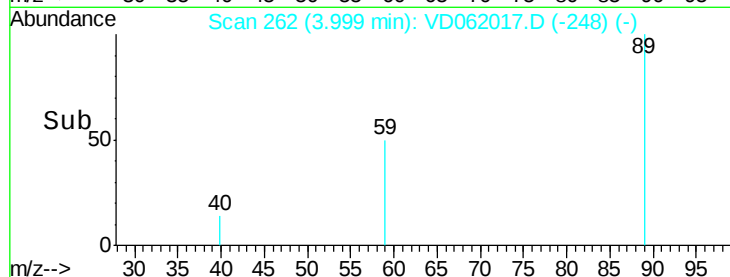
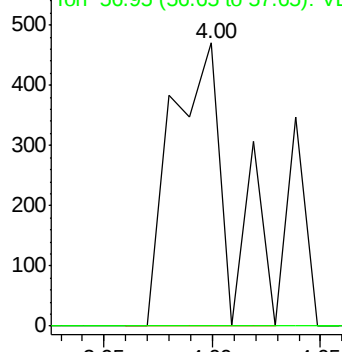
Tert butyl alcohol
 Concen: 3.170 ug/l
 RT: 4.00 min Scan# 262
 Delta R.T. -0.06 min
 Lab File: VD062017.D
 Acq: 25 Apr 2019 3:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 890
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



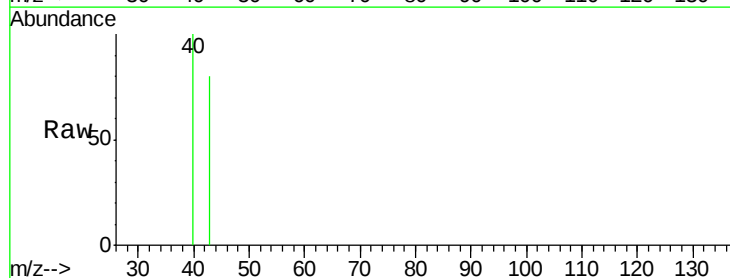
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



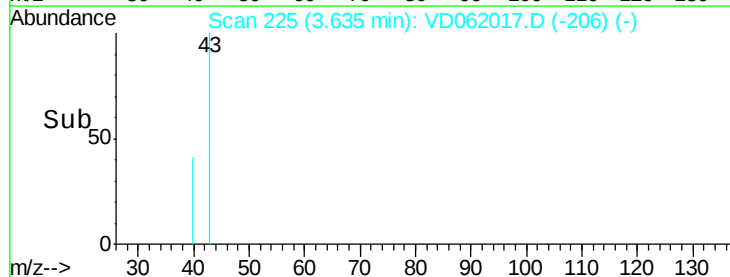
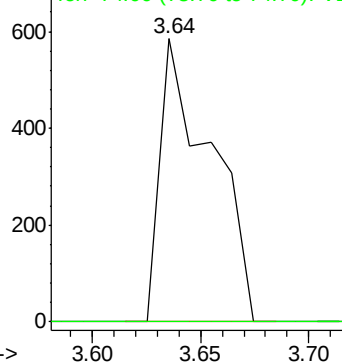
#18

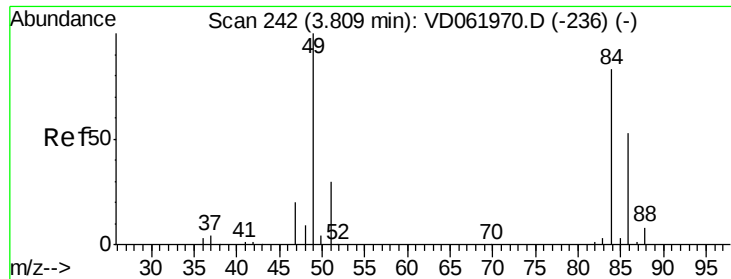
Methyl Acetate
 Concen: Below Cal
 RT: 3.64 min Scan# 225
 Delta R.T. -0.01 min
 Lab File: VD062017.D
 Acq: 25 Apr 2019 3:33

Tgt Ion: 43 Resp: 961
 Ion Ratio Lower Upper
 43 100
 74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 74.00 (73.70 to 74.70): VDC

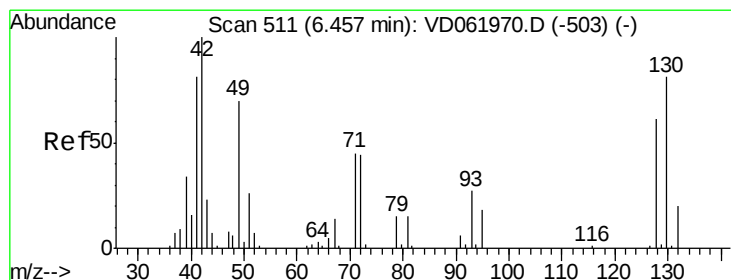
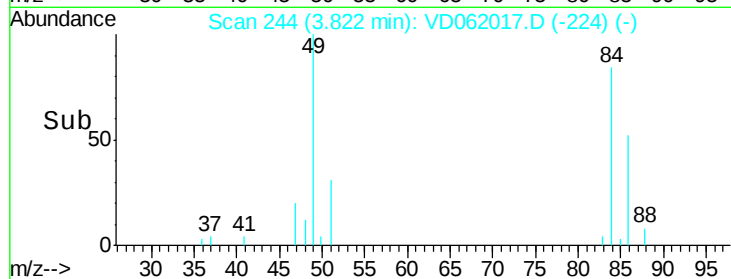
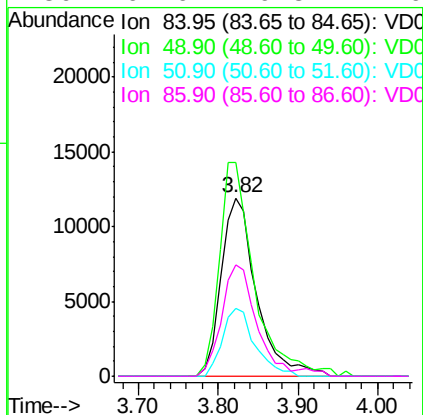
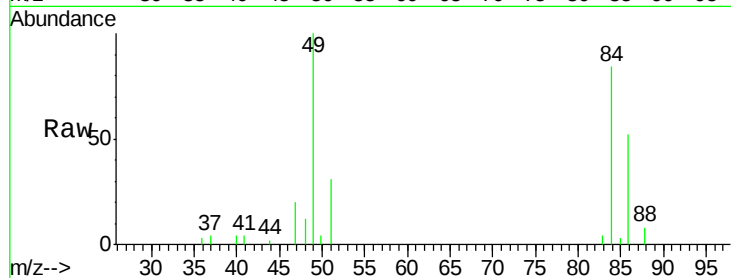




#20
Methvlene Chloride
Concen: 3.435 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD062017.D
Acq: 25 Apr 2019 3:33

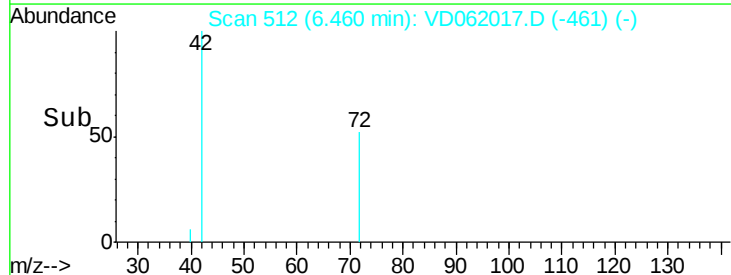
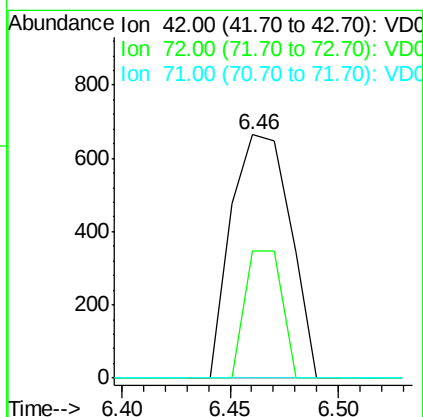
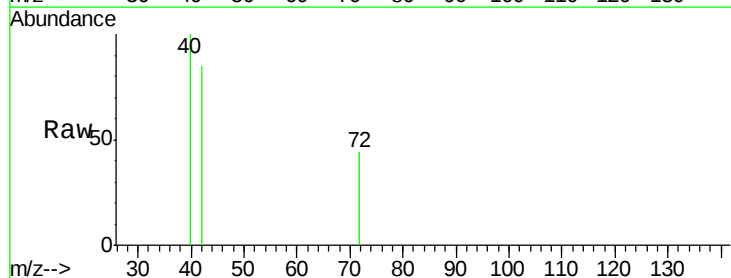
Instrument :
MSVOA_D
ClientSampleId :

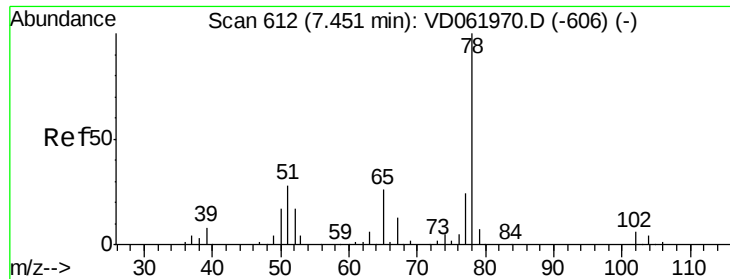
Tot Ion: 84 Resp: 36998
Ion Ratio Lower Upper
84 100
49 119.6 94.0 141.0
51 37.7 29.0 43.4
86 62.6 49.8 74.6



#29
Tetrahydrofuran
Concen: 1.779 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD062017.D
Acq: 25 Apr 2019 3:33

Tgt Ion: 42 Resp: 1261
Ion Ratio Lower Upper
42 100
72 32.6 37.8 56.6#
71 0.0 36.7 55.1#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

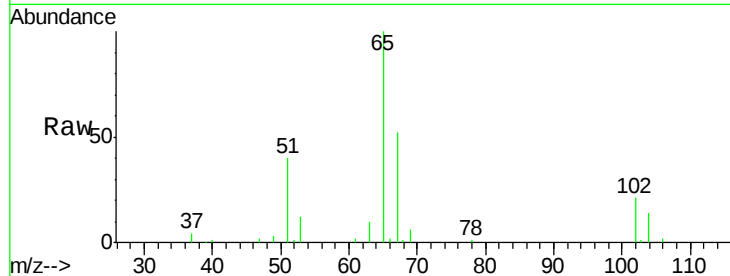
ClientSampleId :

Tot Ion: 65 Resp: 234391

Ion Ratio Lower Upper

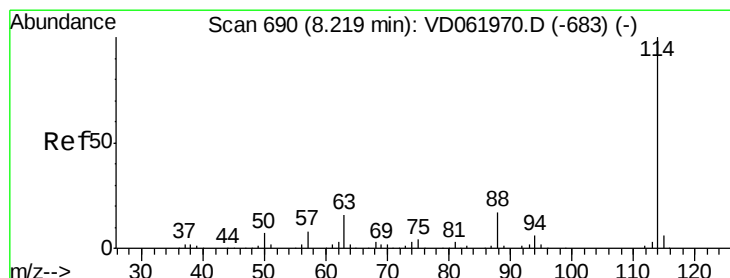
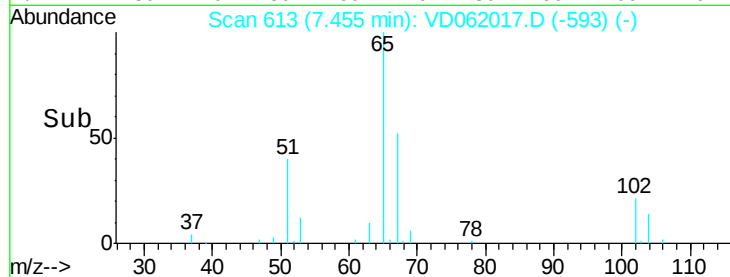
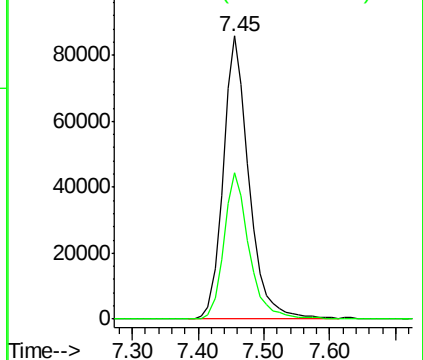
65 100

67 51.9 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: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

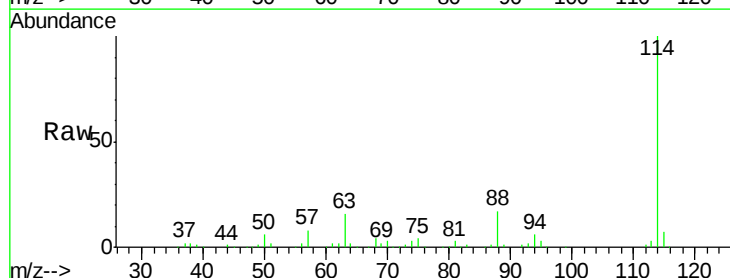
Tgt Ion: 114 Resp: 941448

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

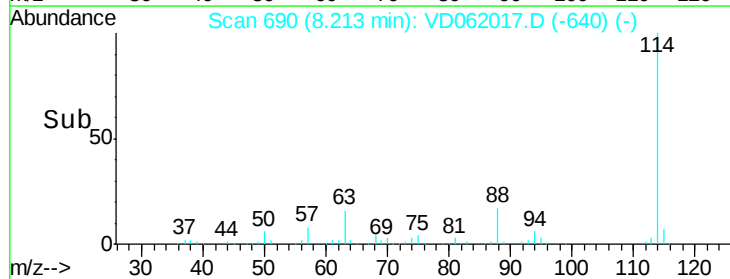
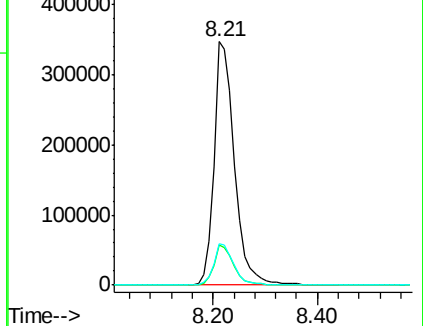
88 16.8 0.0 33.6

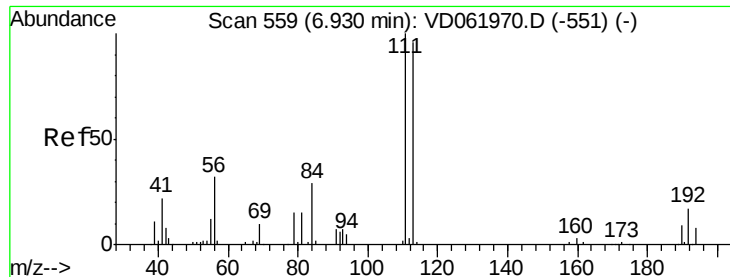


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

ClientSampleId :

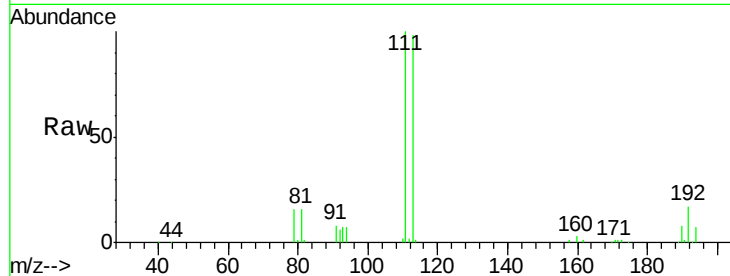
Tot Ion:113 Resp: 336445

Ion Ratio Lower Upper

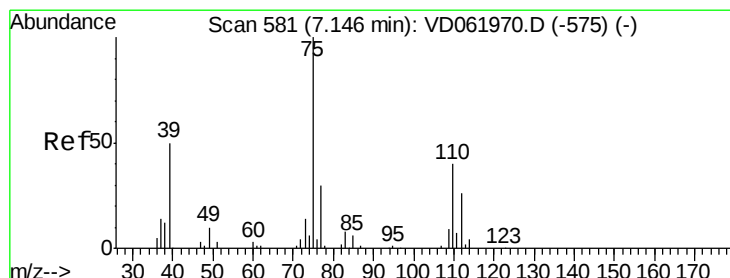
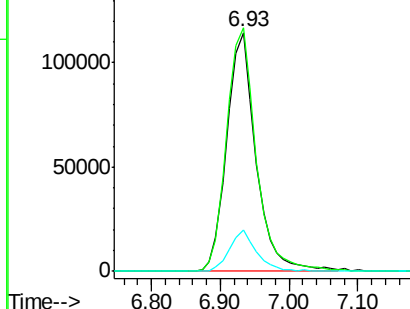
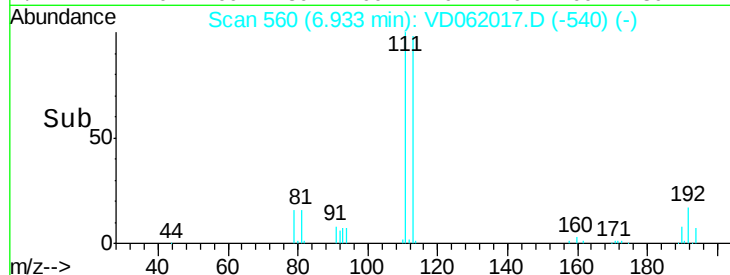
113 100

111 102.0 78.5 117.7

192 17.1 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: 6.157 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

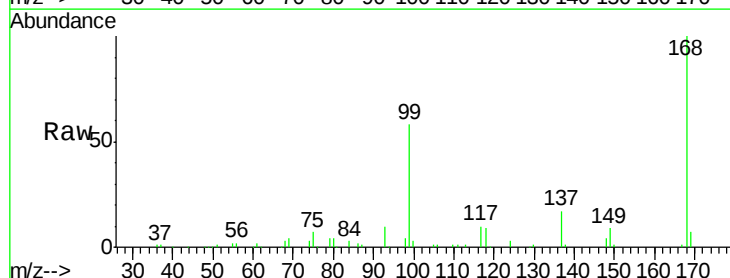
Tgt Ion: 75 Resp: 45164

Ion Ratio Lower Upper

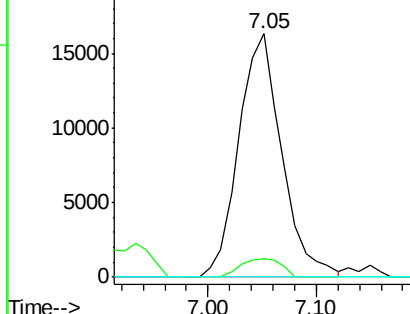
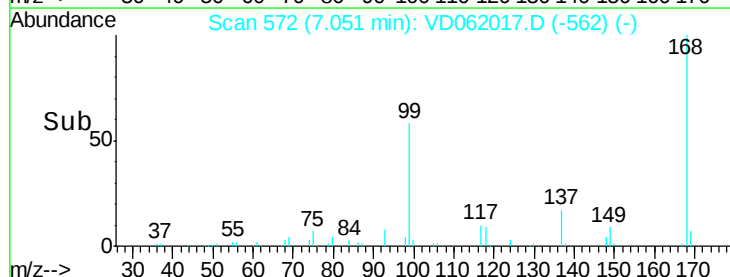
75 100

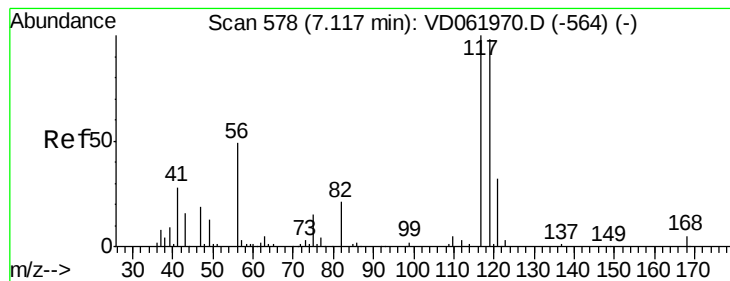
110 7.4 19.1 57.1#

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: 6.796 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

ClientSampleId :

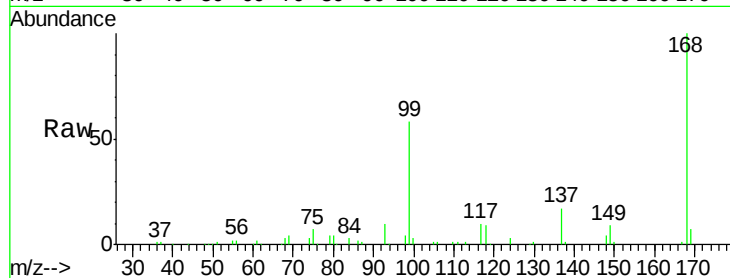
Tot Ion:117 Resp: 63163

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

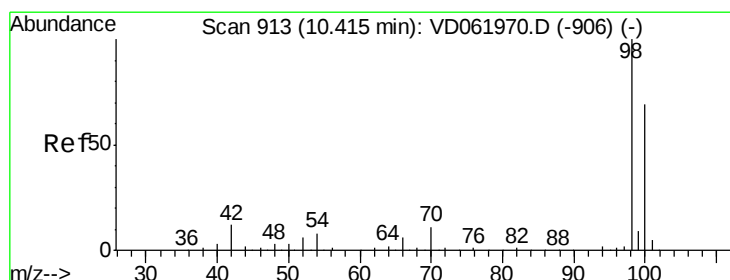
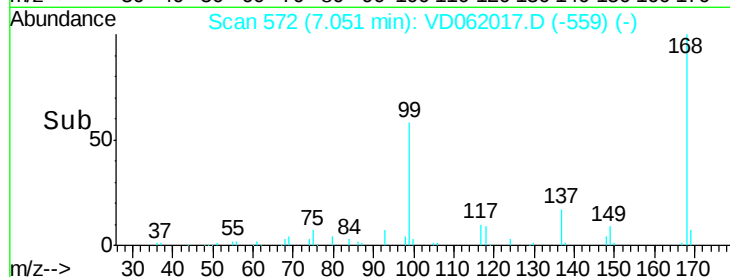
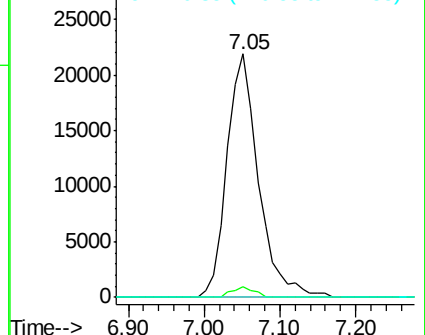
121 0.0 25.9 38.9#



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: VD062017.D

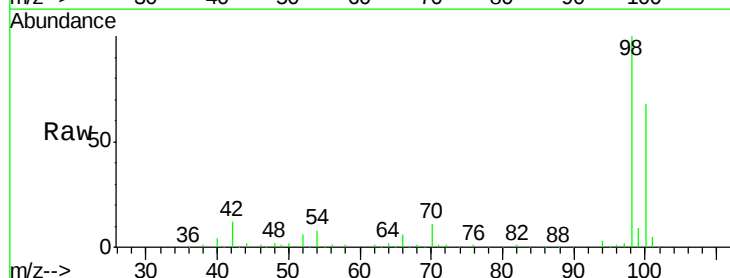
Acq: 25 Apr 2019 3:33

Tgt Ion: 98 Resp: 714473

Ion Ratio Lower Upper

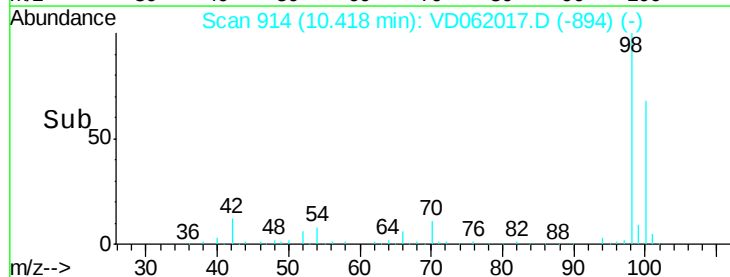
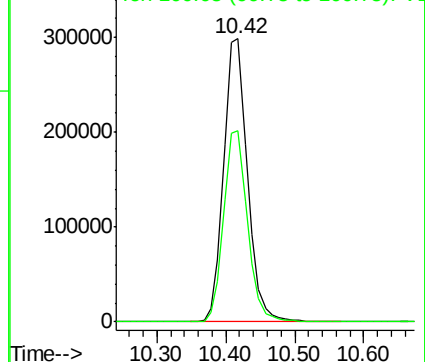
98 100

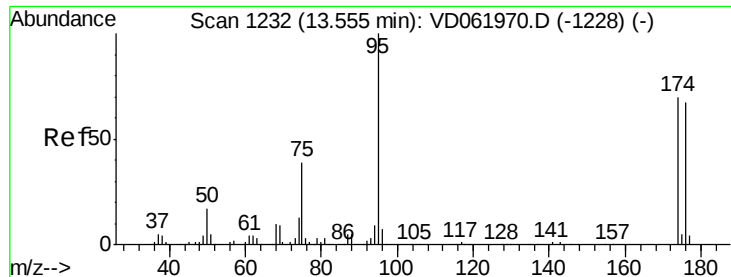
100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

ClientSampleId :

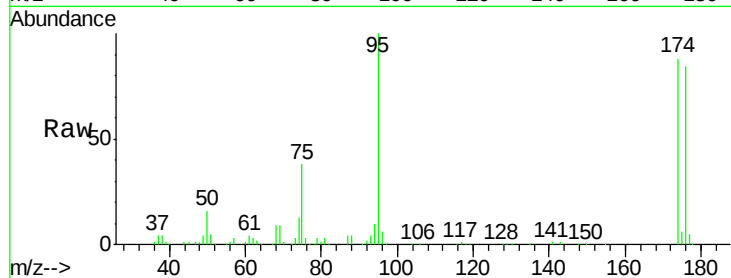
Tot Ion: 95 Resp: 272108

Ion Ratio Lower Upper

95 100

174 87.9 0.0 181.8

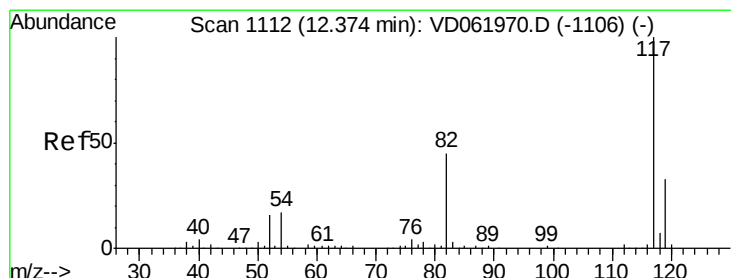
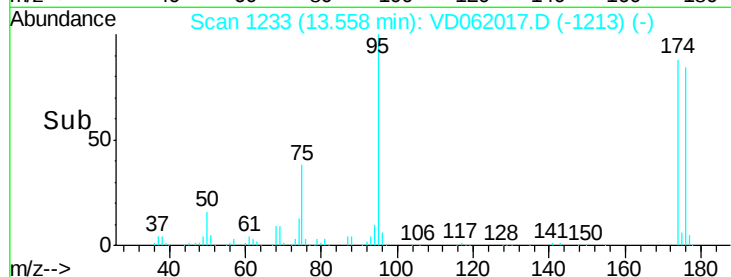
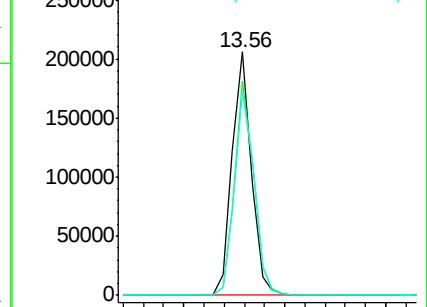
176 83.6 0.0 174.4



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: VD062017.D

Acq: 25 Apr 2019 3:33

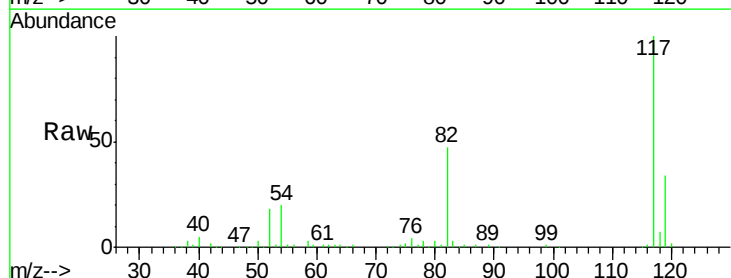
Tgt Ion: 117 Resp: 794878

Ion Ratio Lower Upper

117 100

82 47.1 36.2 54.2

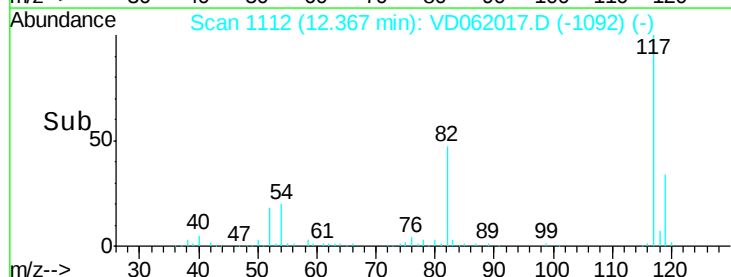
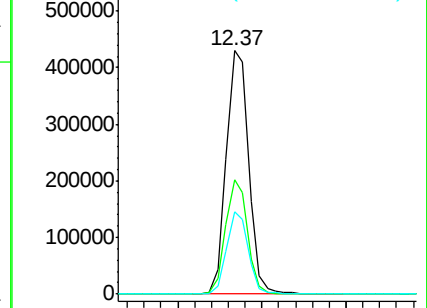
119 33.8 26.2 39.4

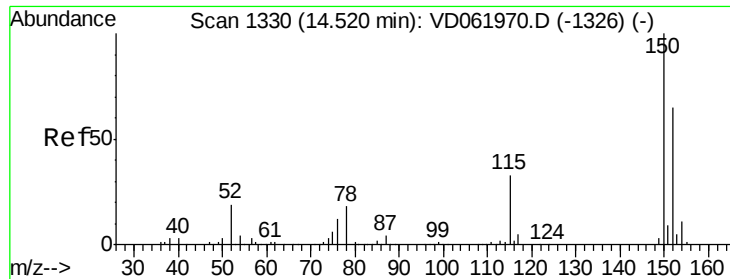


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062017.D

Acq: 25 Apr 2019 3:33

Instrument :

MSVOA_D

ClientSampleId :

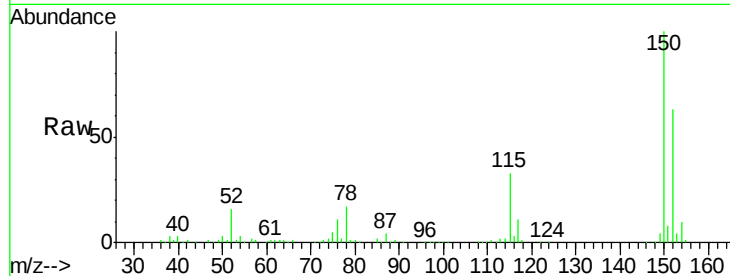
Tot Ion:152 Resp: 321117

Ion Ratio Lower Upper

152 100

115 53.2 30.9 92.7

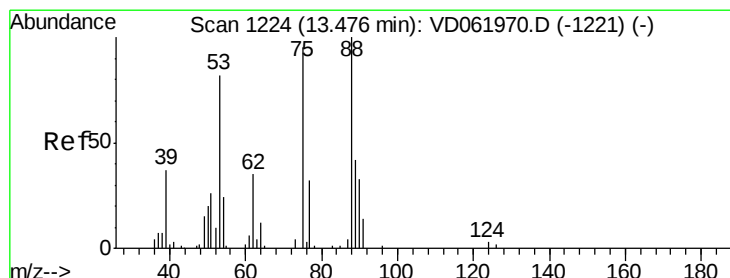
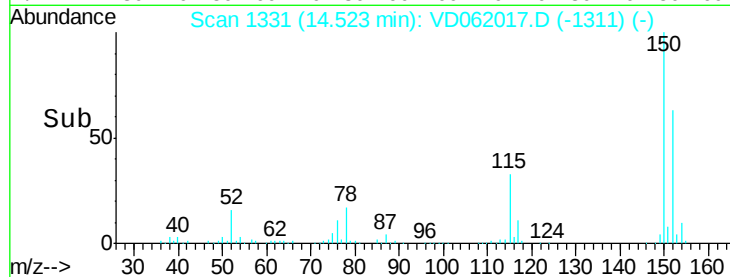
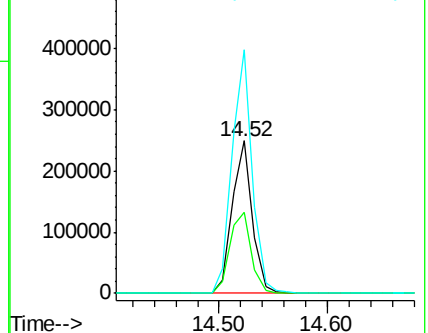
150 159.9 0.0 314.8



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: 85.512 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062017.D

Acq: 25 Apr 2019 3:33

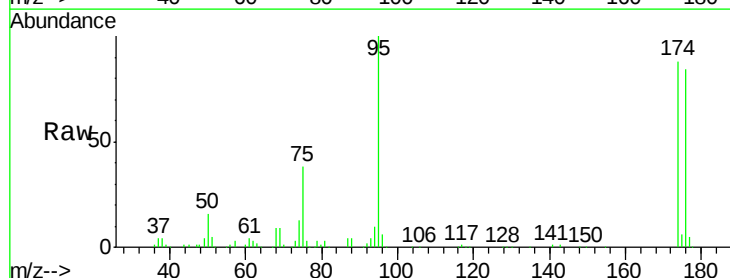
Tgt Ion: 75 Resp: 105667

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

