

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121818\
 Data File : VD060617.D
 Acq On : 18 Dec 2018 13:10
 Operator : VA/AP
 Sample : VD1218SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBL01

Quant Time: Dec 19 02:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

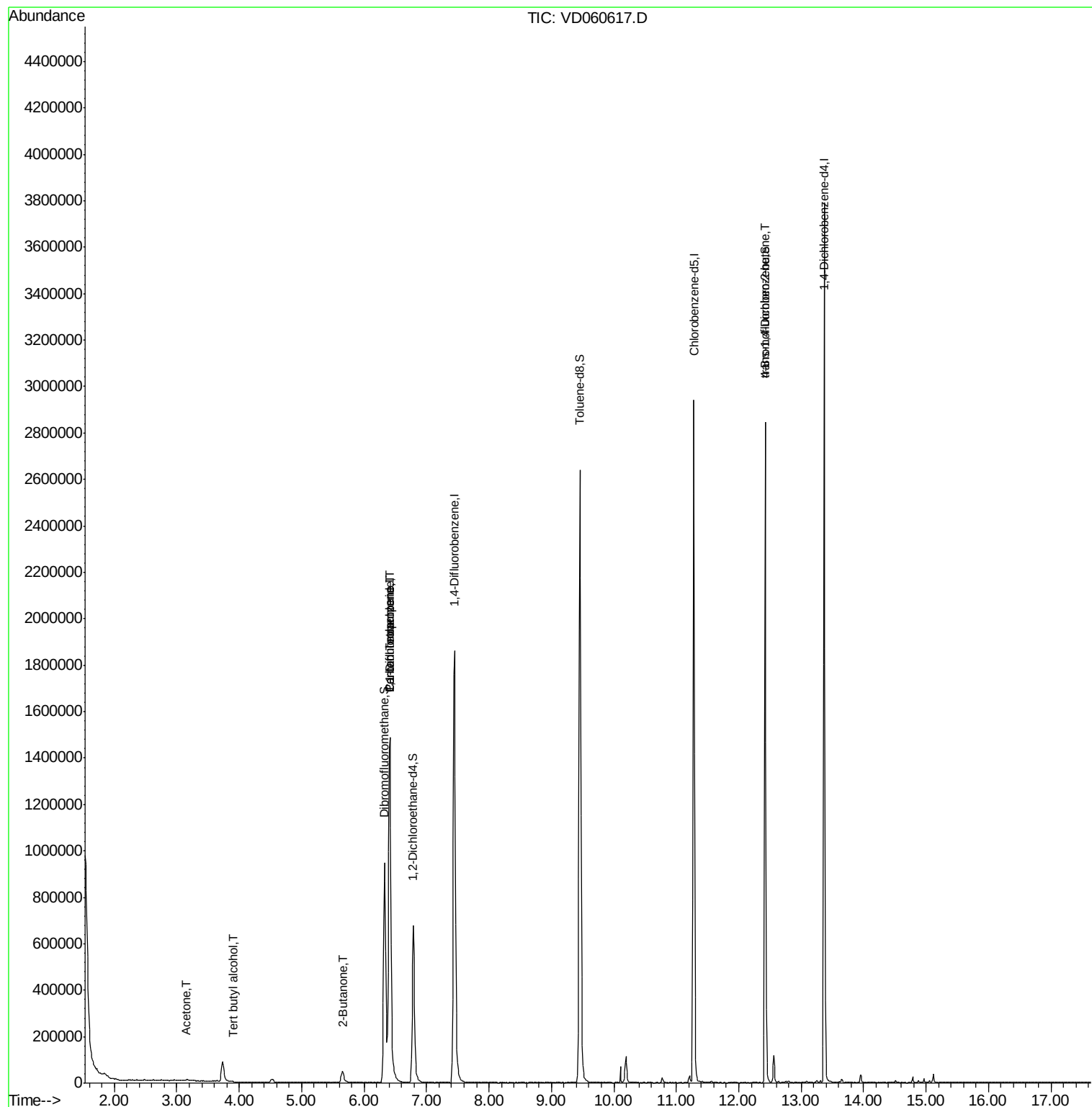
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1535638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2037874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1649586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	840291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	535468	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
35) Dibromofluoromethane	6.32	113	762769	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
50) Toluene-d8	9.45	98	2150971	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.43	95	778299	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	6617	Below Cal		89
11) Tert butyl alcohol	3.90	59	638	1.443 ug/l #		73
16) Acetone	3.16	43	12165	6.973 ug/l #		79
20) Methylene Chloride	3.74	84	59125	Below Cal		97
25) 2-Butanone	5.65	43	5382	1.568 ug/l #		59
31) Cyclohexane	6.40	56	27712	Below Cal #		1
36) 1,1-Dichloropropene	6.40	75	108337	5.439 ug/l #		48
38) Carbon Tetrachloride	6.41	117	115931	6.483 ug/l #		16
81) trans-1,4-Dichloro-2-buten	12.43	75	312829	117.806 ug/l #		14
89) n-Butylbenzene	13.65	91	4374	Below Cal		84

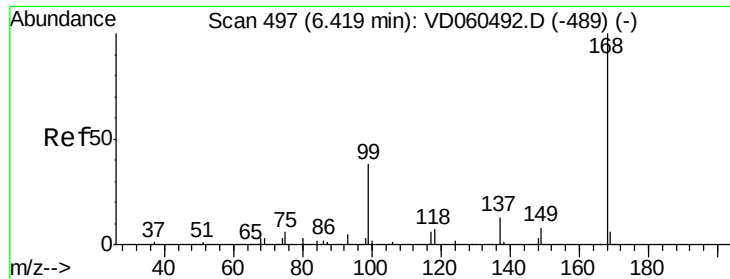
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VD1218SBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

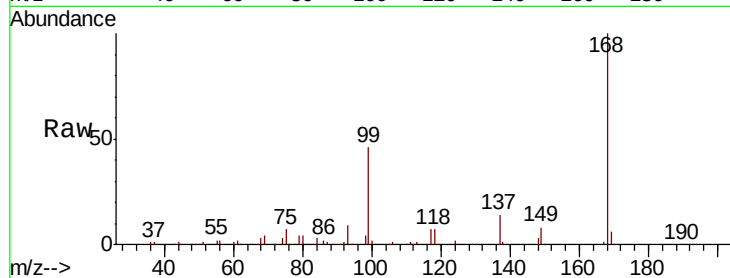
VD1218SBL01

Tot Ion:168 Resp: 1535638

Ion Ratio Lower Upper

168 100

99 45.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

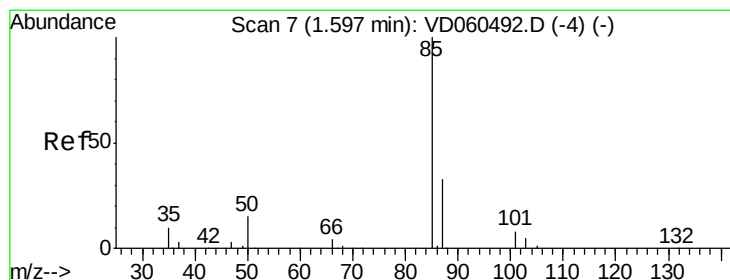
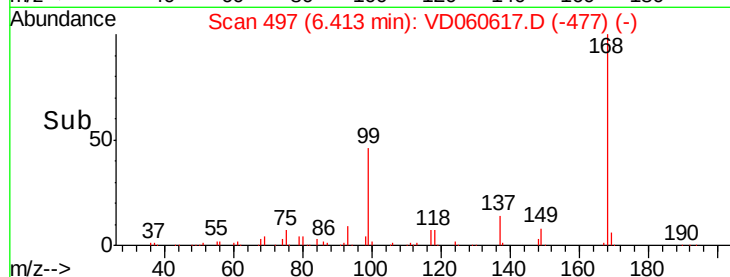
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060617.D

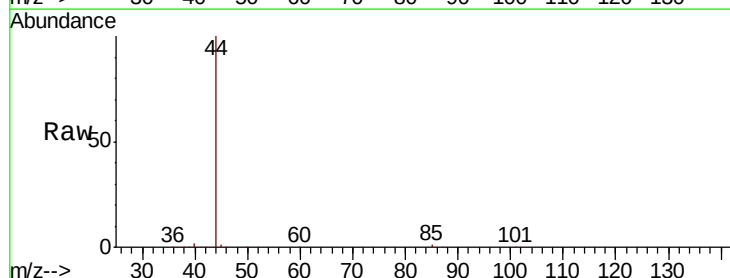
Acq: 18 Dec 2018 13:10

Tgt Ion: 85 Resp: 6617

Ion Ratio Lower Upper

85 100

87 27.0 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

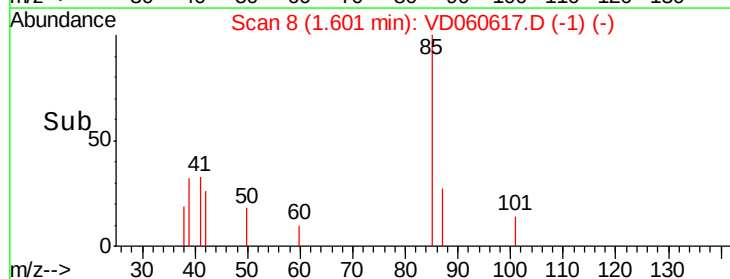
3000

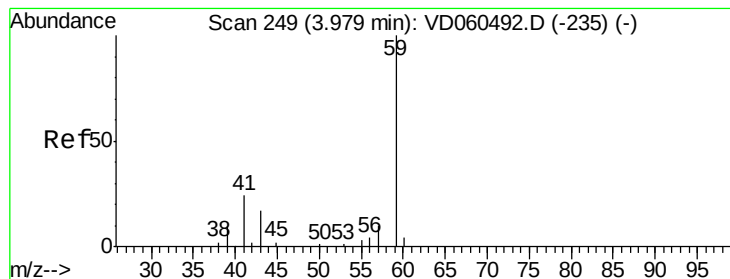
2000

1000

0

Time-->





#11

Tert butyl alcohol

Concen: 1.443 ug/l

RT: 3.90 min Scan# 242

Delta R.T. -0.08 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

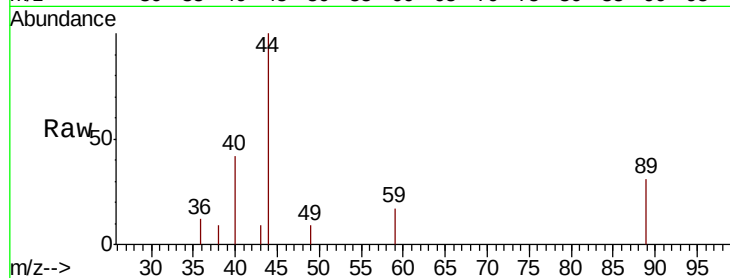
VD1218SBL01

Tot Ion: 59 Resp: 638

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.90

600

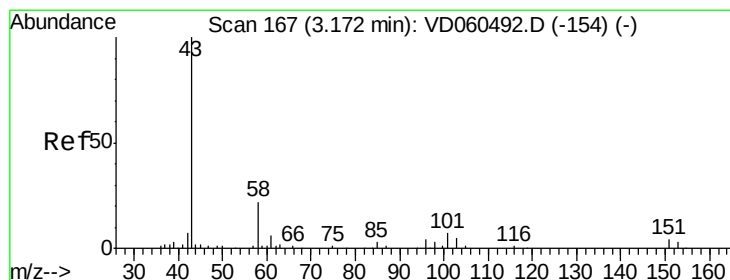
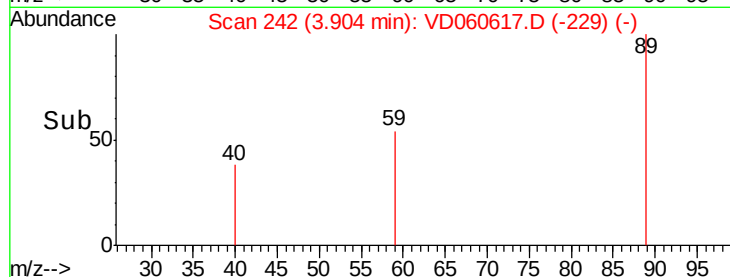
400

200

0

Time-->

3.86 3.88 3.90 3.92 3.94



#16

Acetone

Concen: 6.973 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060617.D

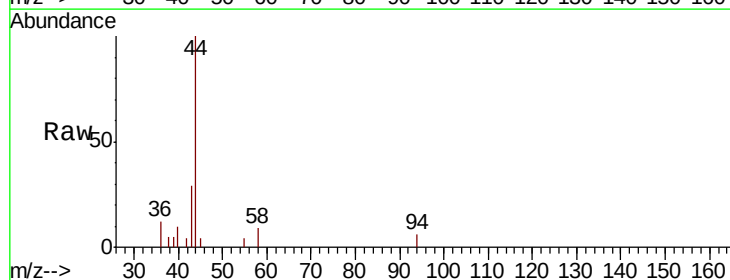
Acq: 18 Dec 2018 13:10

Tgt Ion: 43 Resp: 12165

Ion Ratio Lower Upper

43 100

58 31.5 17.3 25.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.16

2500

2000

1500

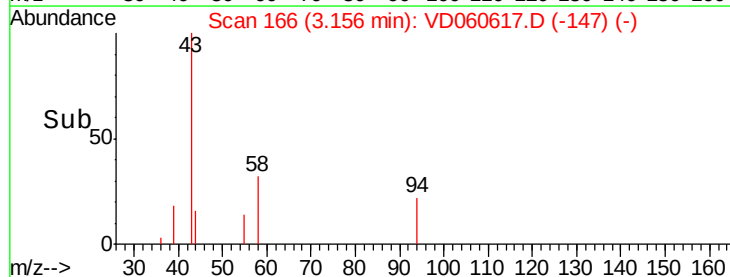
1000

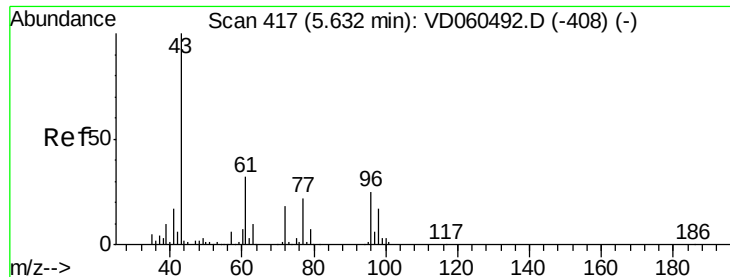
500

0

Time-->

3.00 3.10 3.20 3.30





#25

2-Butanone

Concen: 1.568 ug/l

RT: 5.65 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

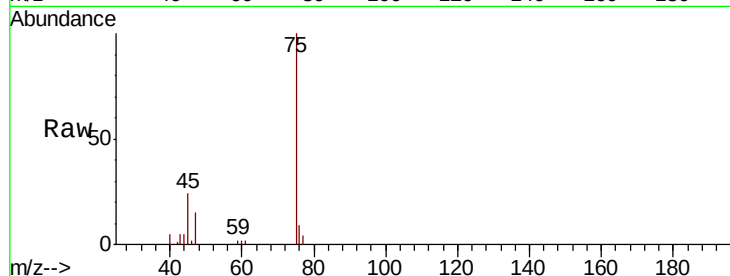
VD1218SBL01

Tot Ion: 43 Resp: 5382

Ion Ratio Lower Upper

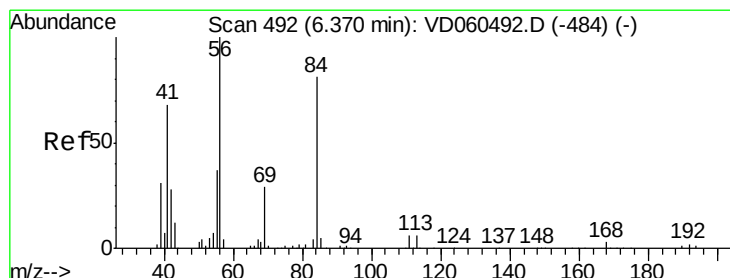
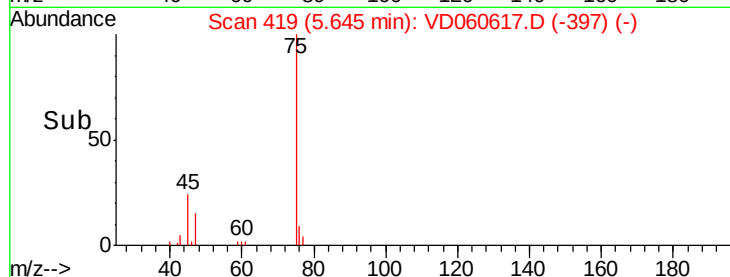
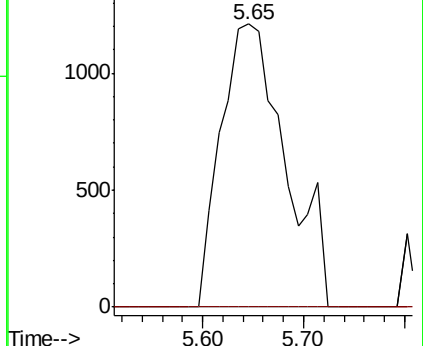
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

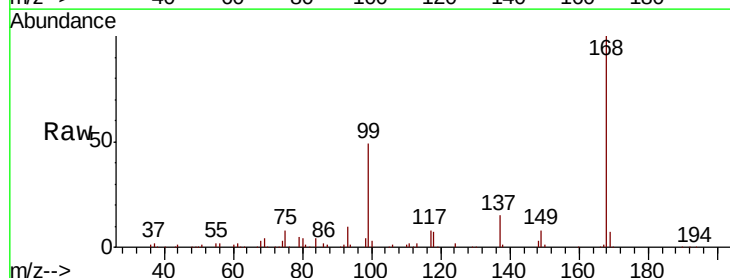
Tgt Ion: 56 Resp: 27712

Ion Ratio Lower Upper

56 100

69 219.2 22.8 34.2#

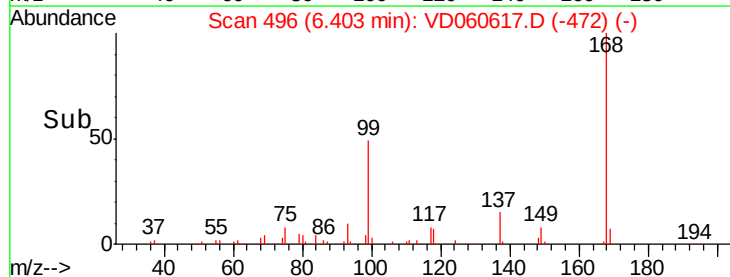
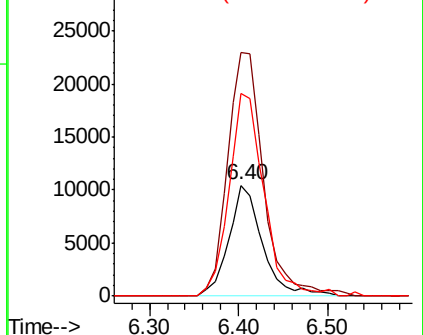
84 182.5 65.1 97.7#

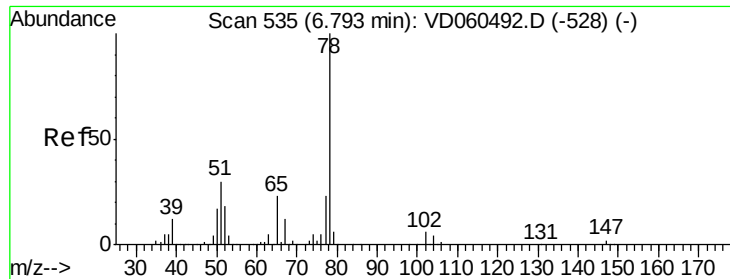


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

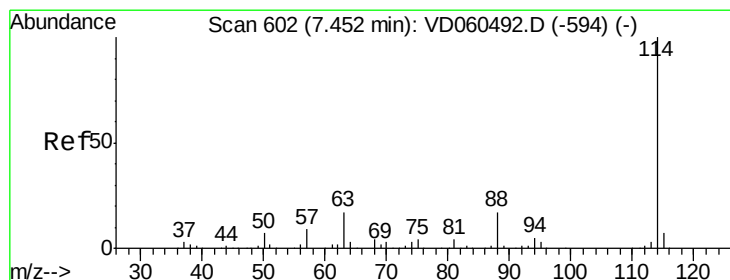
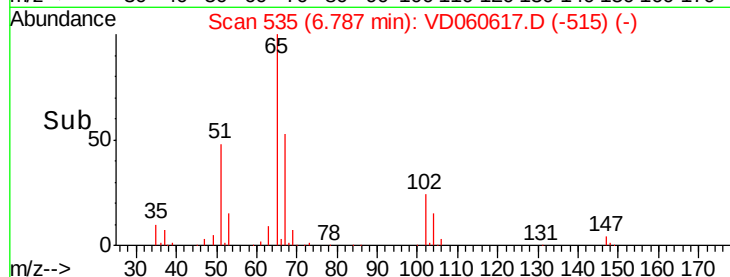
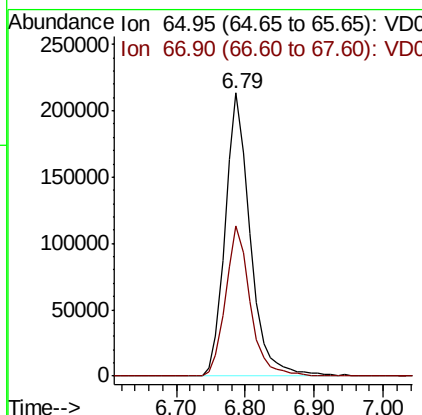
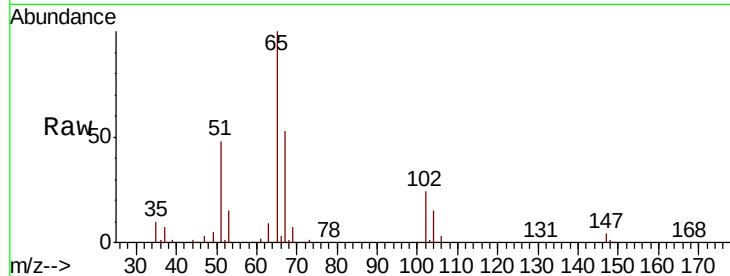




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060617.D
 Acq: 18 Dec 2018 13:10

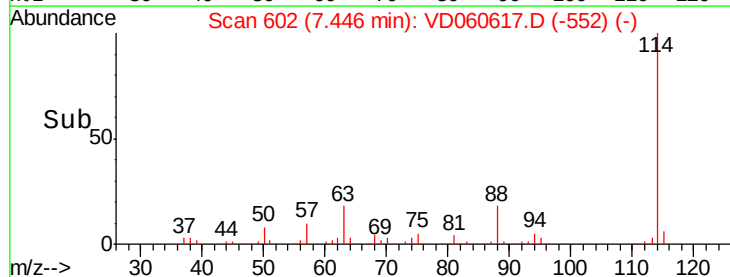
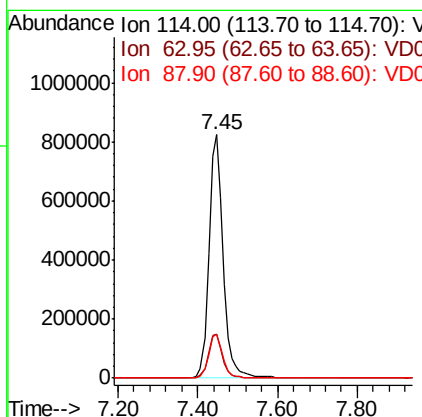
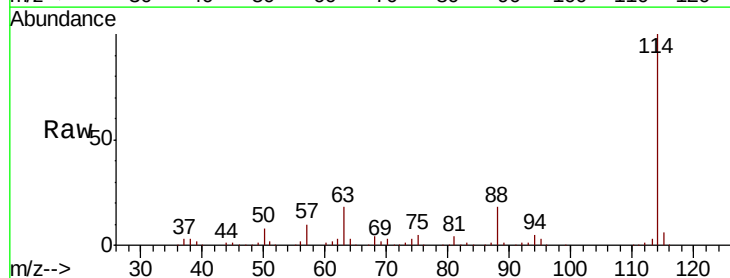
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1218SBL01

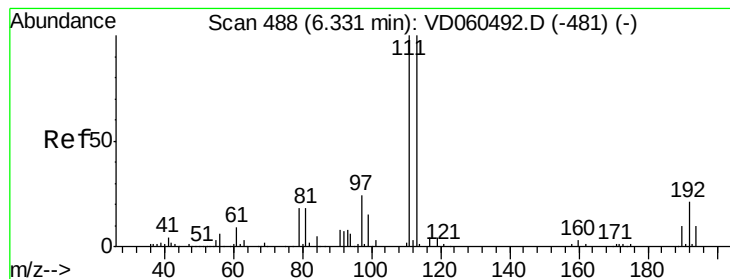
Tot Ion: 65 Resp: 535468
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060617.D
 Acq: 18 Dec 2018 13:10

Tgt Ion: 114 Resp: 2037874
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.2
 88 17.9 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBL01

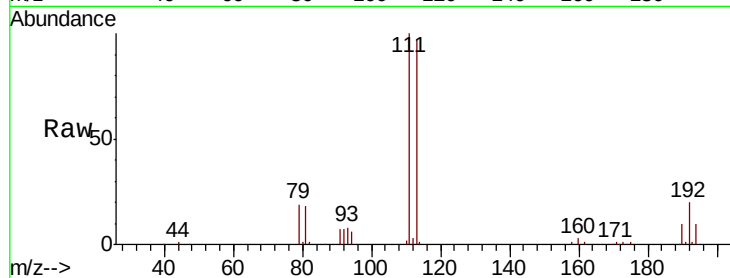
Tot Ion:113 Resp: 762769

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

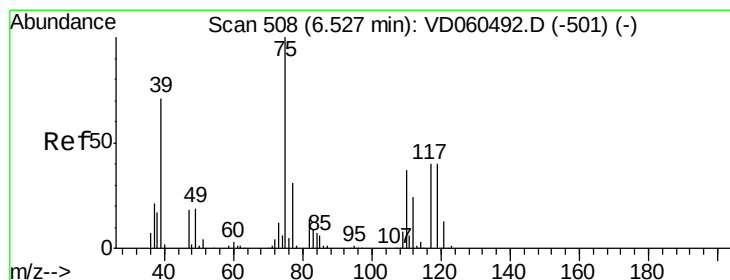
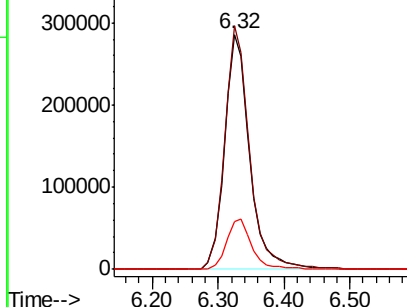
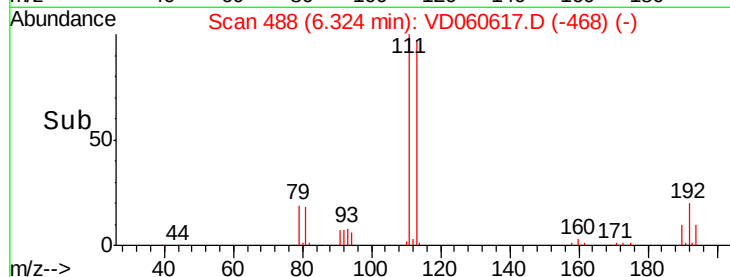
192 20.4 16.6 24.8



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: 5.439 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

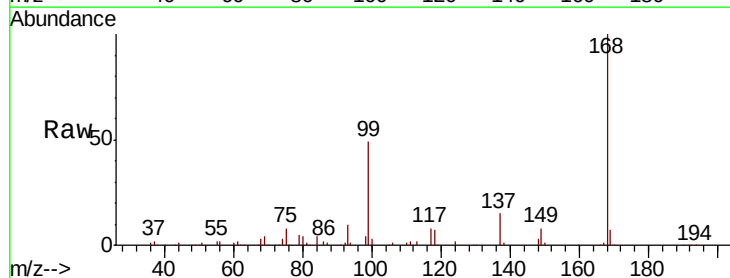
Tgt Ion: 75 Resp: 108337

Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.8#

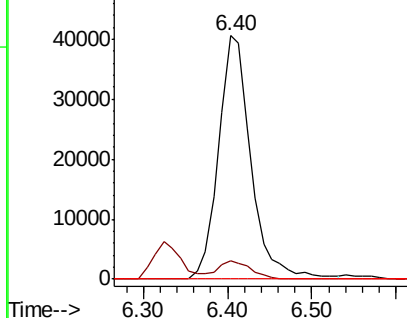
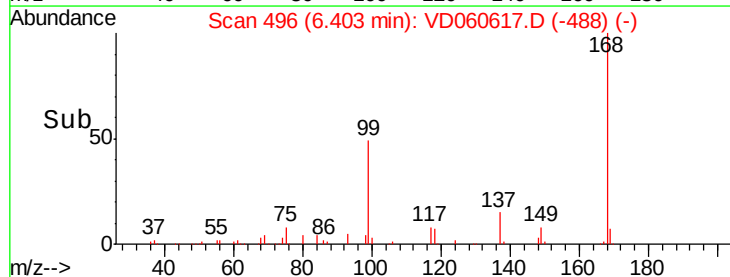
77 0.0 24.6 37.0#

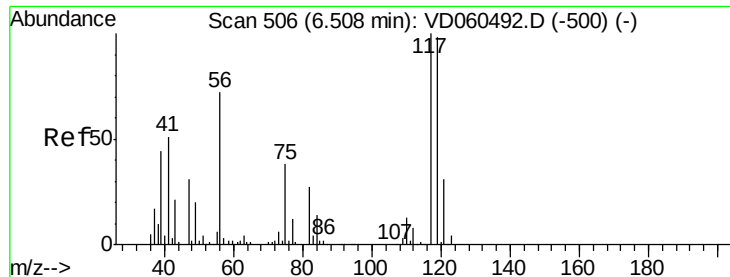


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

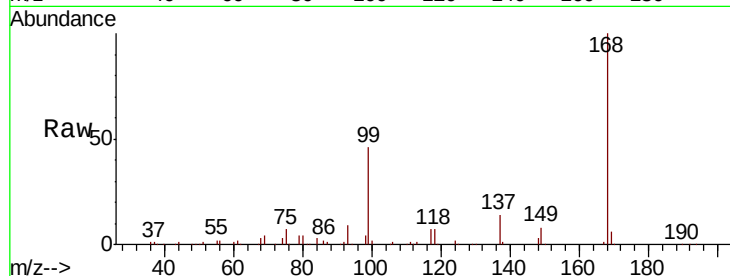




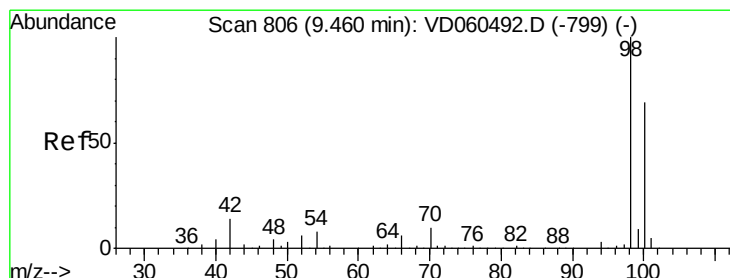
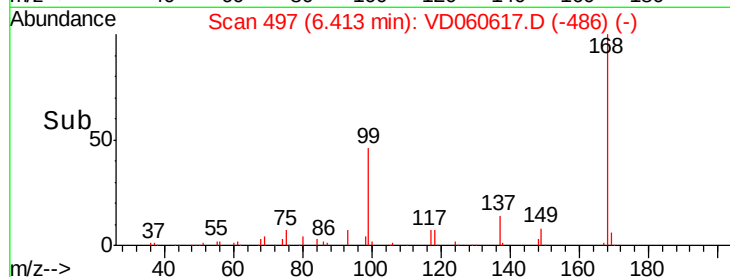
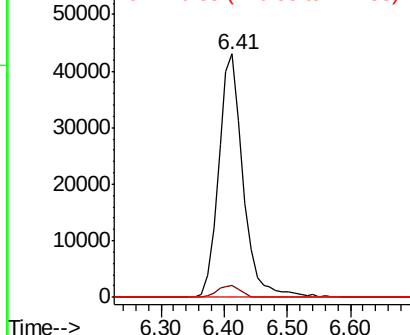
#38
Carbon Tetrachloride
Concen: 6.483 ug/l
RT: 6.41 min Scan# 497
Delta R.T. -0.09 min
Lab File: VD060617.D
Acq: 18 Dec 2018 13:10

Instrument :
MSVOA_D
ClientSampleId :
VD1218SBL01

Tot Ion:117 Resp: 115931
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.4 36.6#

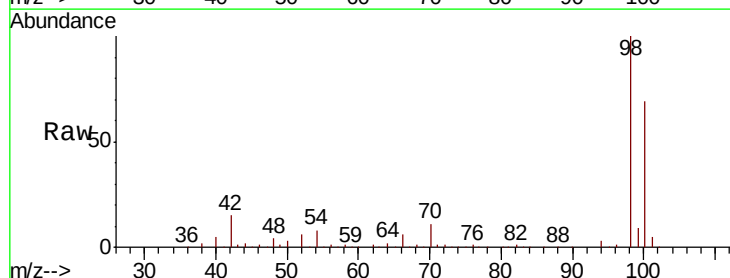


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

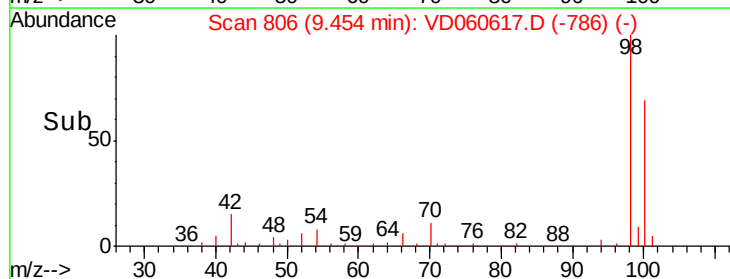
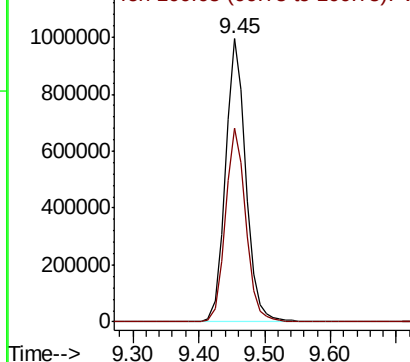


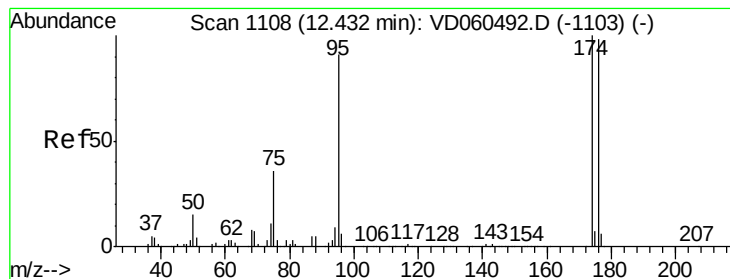
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060617.D
Acq: 18 Dec 2018 13:10

Tgt Ion: 98 Resp: 2150971
Ion Ratio Lower Upper
98 100
100 68.6 55.7 83.5



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: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBL01

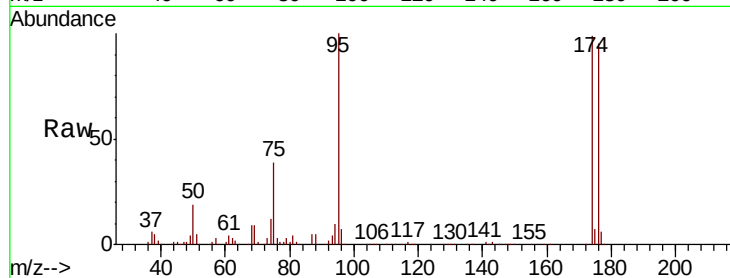
Tot Ion: 95 Resp: 778299

Ion Ratio Lower Upper

95 100

174 99.2 0.0 219.4

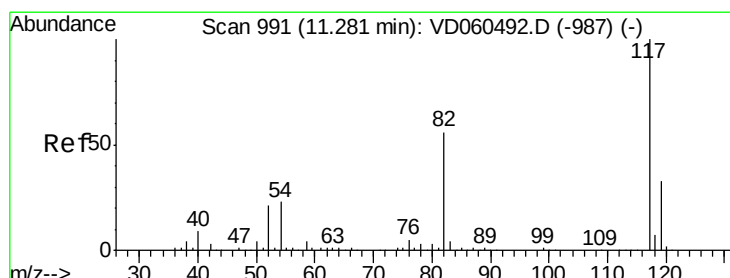
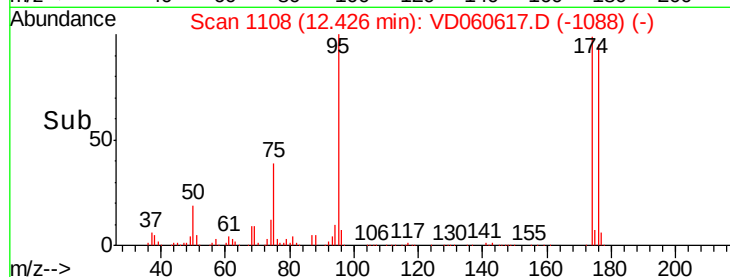
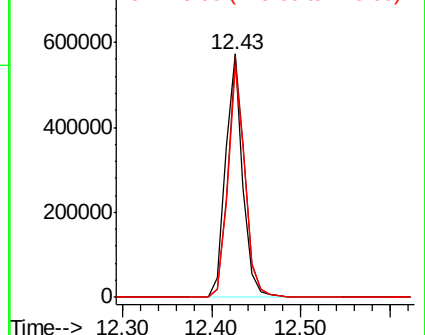
176 95.0 0.0 214.6



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: 11.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

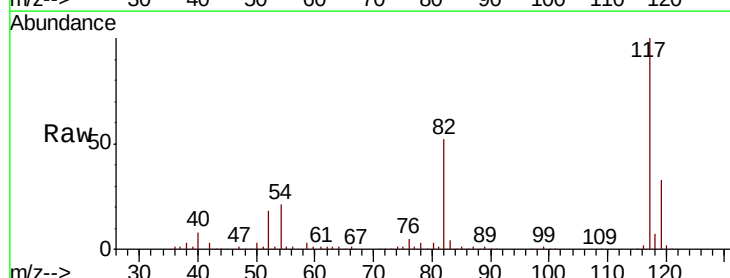
Tgt Ion: 117 Resp: 1649586

Ion Ratio Lower Upper

117 100

82 51.7 45.2 67.8

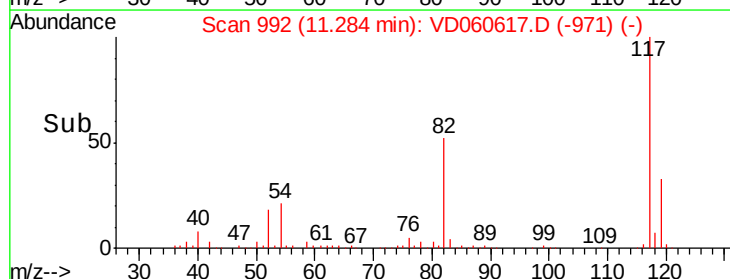
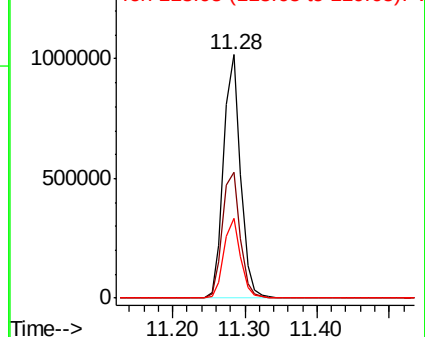
119 32.9 26.1 39.1

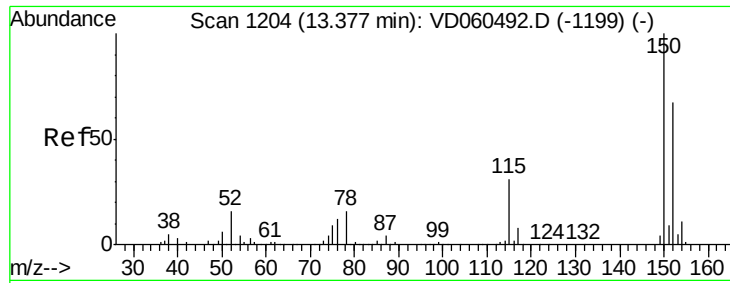


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

Instrument :

MSVOA_D

ClientSampleId :

VD1218SBL01

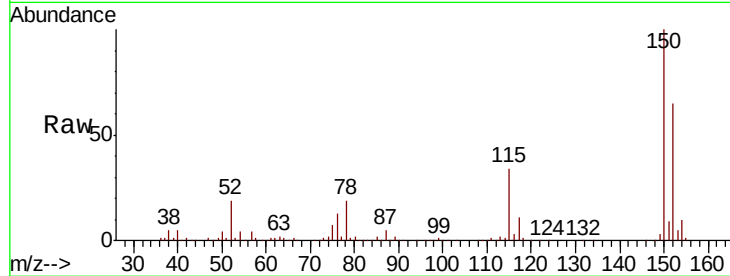
Tot Ion:152 Resp: 840291

Ion Ratio Lower Upper

152 100

115 52.0 24.6 74.0

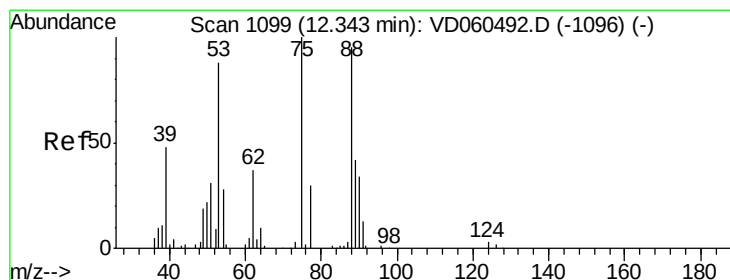
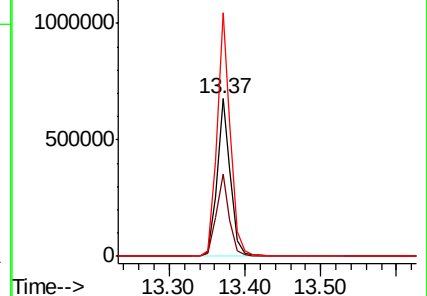
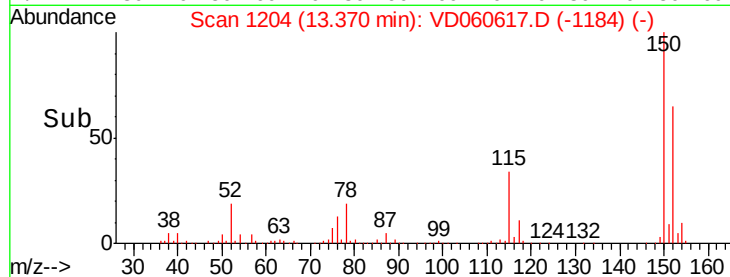
150 154.5 0.0 309.0



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: 117.806 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060617.D

Acq: 18 Dec 2018 13:10

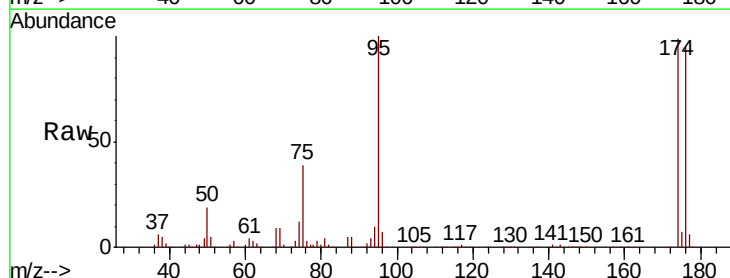
Tgt Ion: 75 Resp: 312829

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

