

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058184.D
 Acq On : 18 Jun 2018 16:39
 Operator : VA/AP
 Sample : J3533-01
 Misc : 11.12g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:49:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	675395	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	898010	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	636831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	238005	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	378436	56.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.10%	
35) Dibromofluoromethane	5.54	113	372633	53.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	8.70	98	789666	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.92	95	268031	37.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.40%	

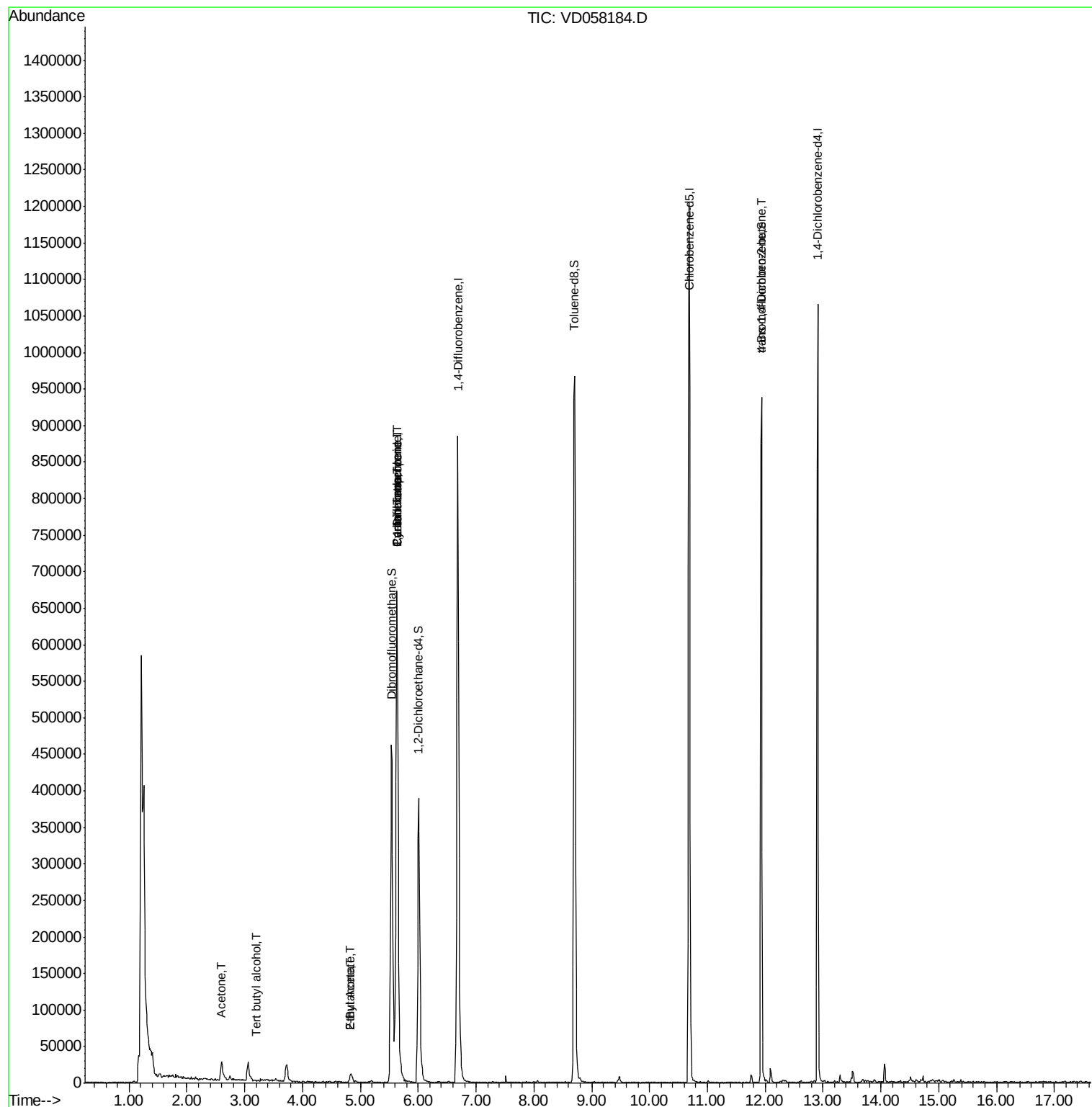
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	266	1.471	ug/l #	74
16) Acetone	2.60	43	50058	51.457	ug/l	97
20) Methylene Chloride	3.05	84	12159	Below Cal	#	66
25) 2-Butanone	4.84	43	15642	7.075	ug/l #	89
31) Cyclohexane	5.63	56	17861	1.521	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	54192	5.477	ug/l #	52
37) Ethyl Acetate	4.84	43	15642	2.897	ug/l #	72
38) Carbon Tetrachloride	5.63	117	55945	5.738	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.92	75	132072	149.147	ug/l #	6
82) 4-Chlorotoluene	12.32	91	599	Below Cal	#	50
89) n-Butylbenzene	13.19	91	709	Below Cal	#	52

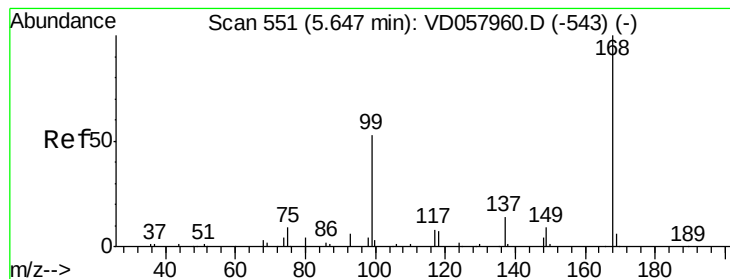
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061818\
Data File : VD058184.D
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Quant Time: Jun 19 05:49:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

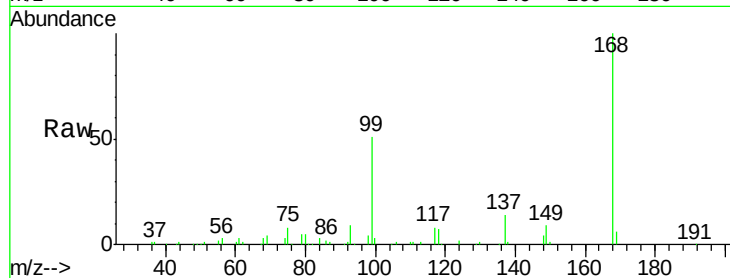
ClientSampleId :

Tot Ion:168 Resp: 675395

Ion Ratio Lower Upper

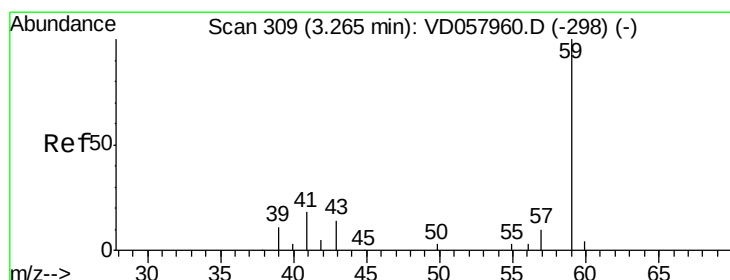
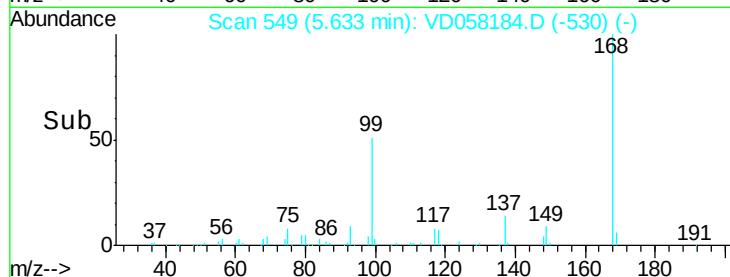
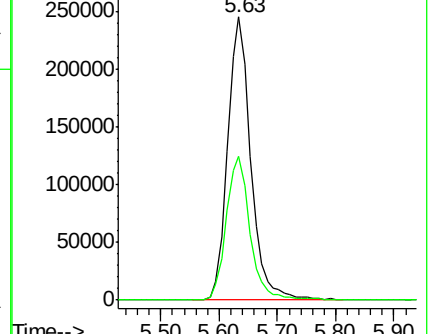
168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.471 ug/l

RT: 3.18 min Scan# 300

Delta R.T. -0.08 min

Lab File: VD058184.D

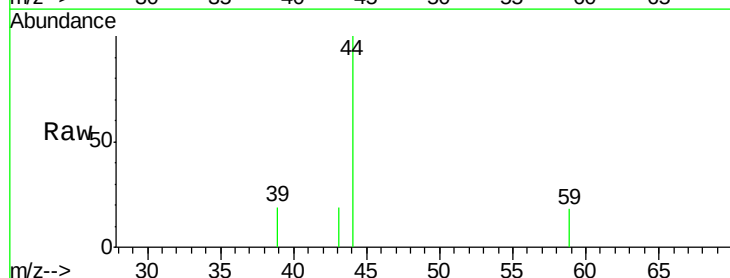
Acq: 18 Jun 2018 16:39

Tgt Ion: 59 Resp: 266

Ion Ratio Lower Upper

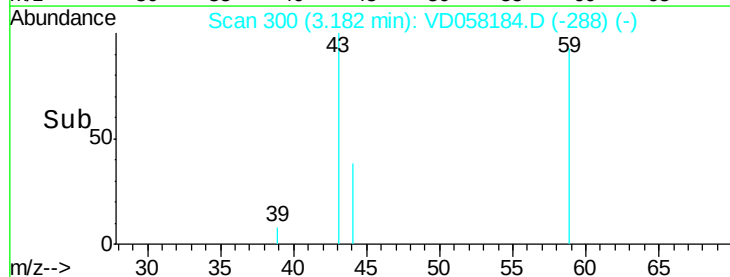
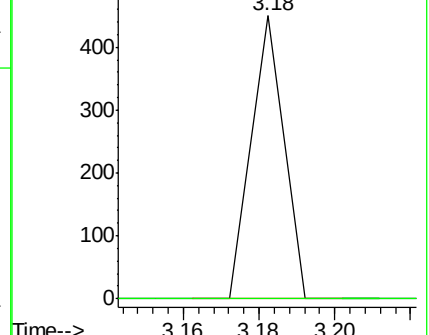
59 100

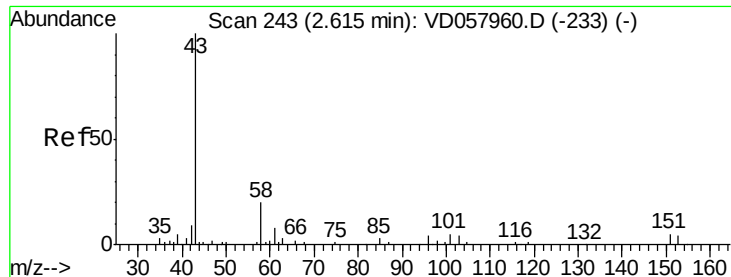
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

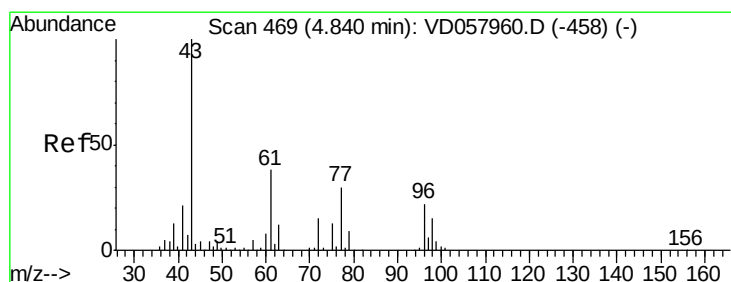
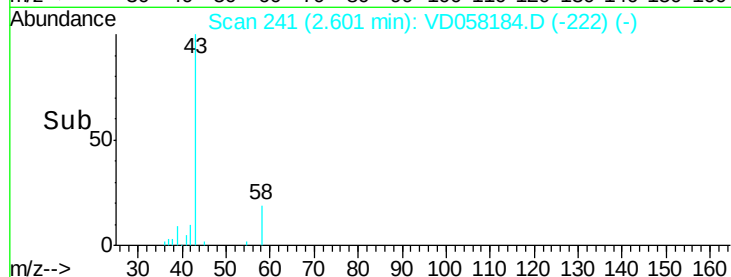
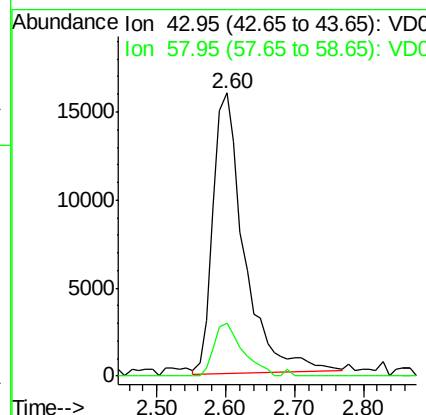
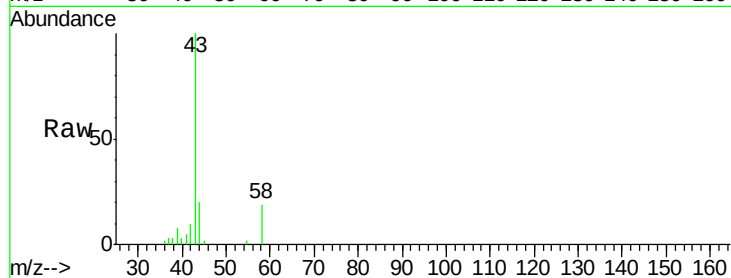




#16
Acetone
Concen: 51.457 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

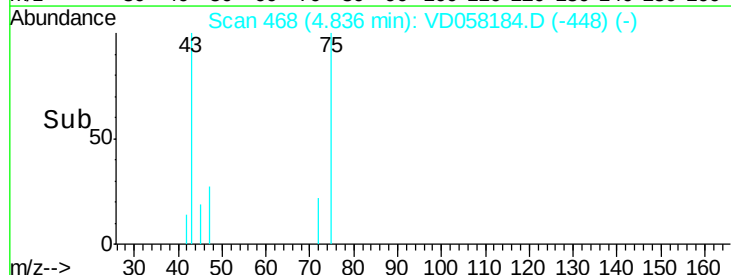
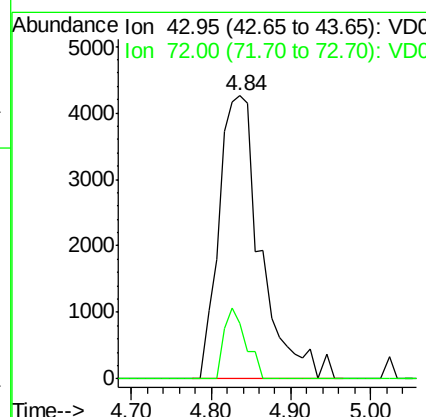
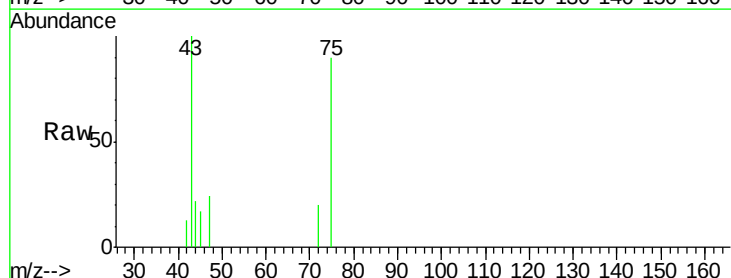
Instrument :
MSVOA_D
ClientSampled :

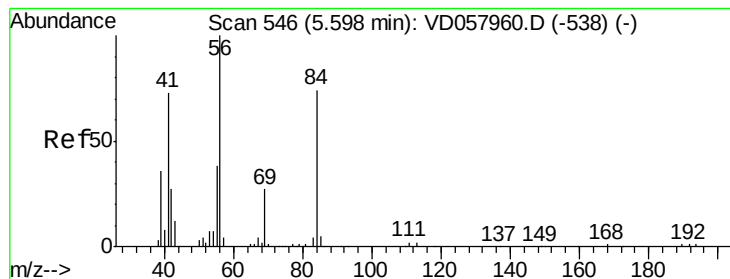
Tot Ion: 43 Resp: 50058
Ion Ratio Lower Upper
43 100
58 18.5 15.8 23.8



#25
2-Butanone
Concen: 7.075 ug/l
RT: 4.84 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

Tgt Ion: 43 Resp: 15642
Ion Ratio Lower Upper
43 100
72 19.6 12.0 18.0#





#31

Cyclohexane

Concen: 1.521 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.04 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

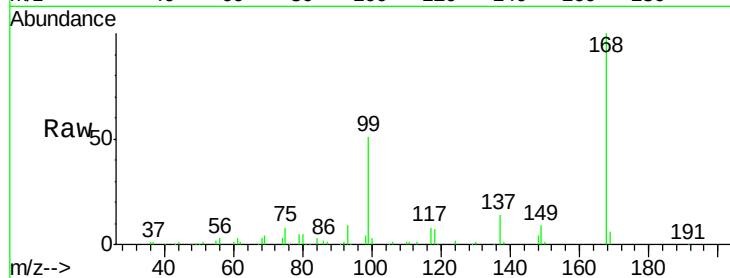
Tot Ion: 56 Resp: 17861

Ion Ratio Lower Upper

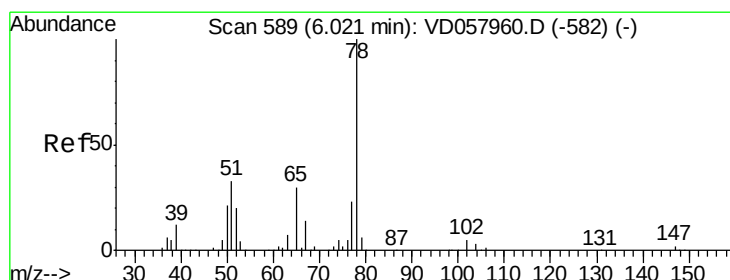
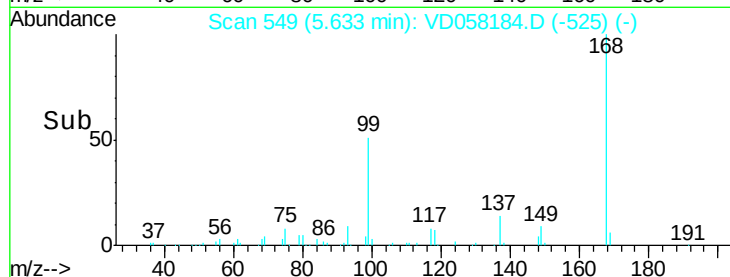
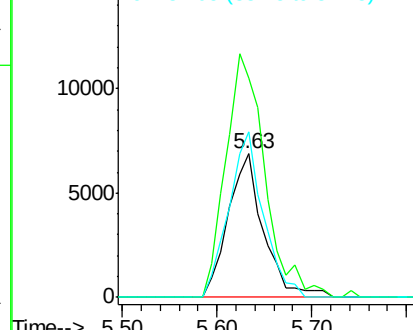
56 100

69 152.3 21.5 32.3#

84 115.0 61.0 91.6#



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: Below ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD058184.D

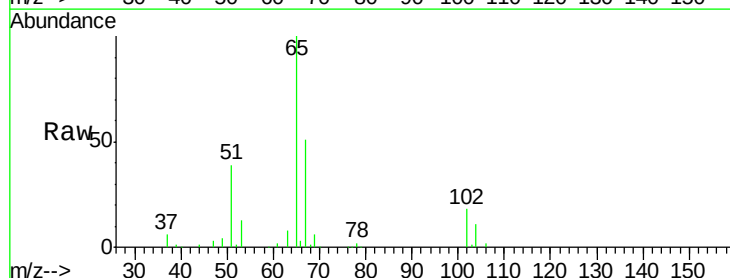
Acq: 18 Jun 2018 16:39

Tgt Ion: 65 Resp: 378436

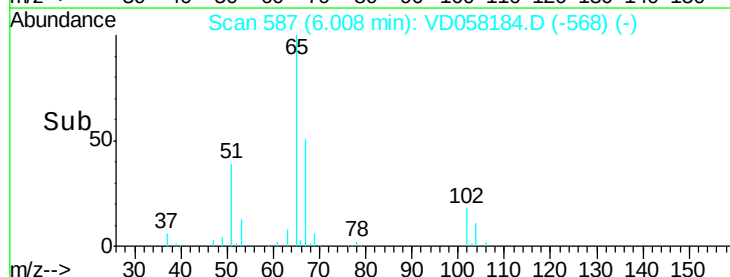
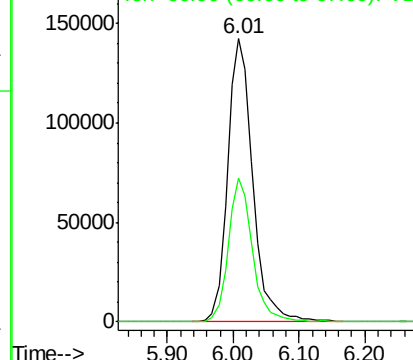
Ion Ratio Lower Upper

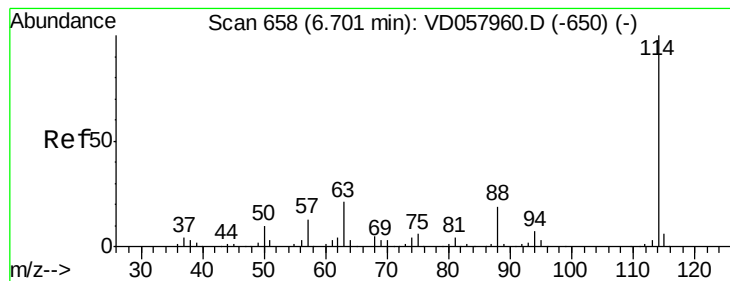
65 100

67 50.8 0.0 94.0



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: 6.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

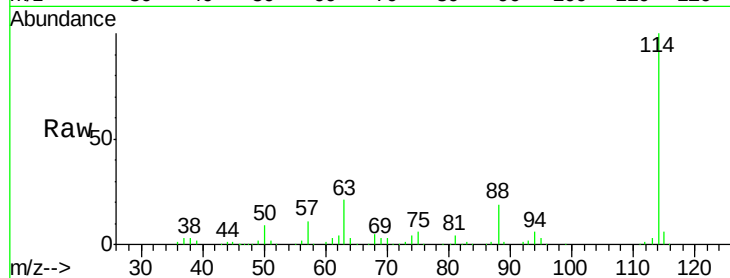
Tot Ion:114 Resp: 898010

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.8

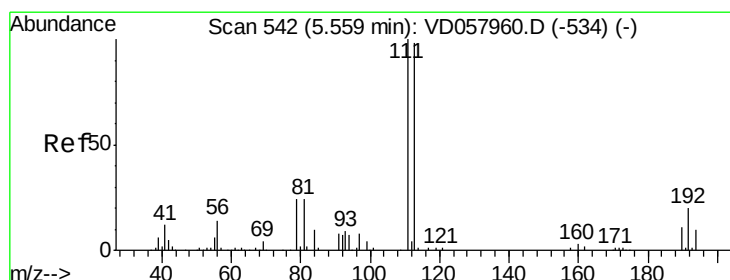
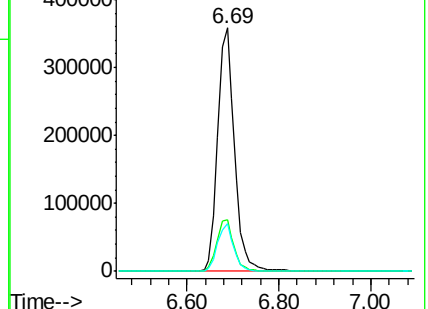
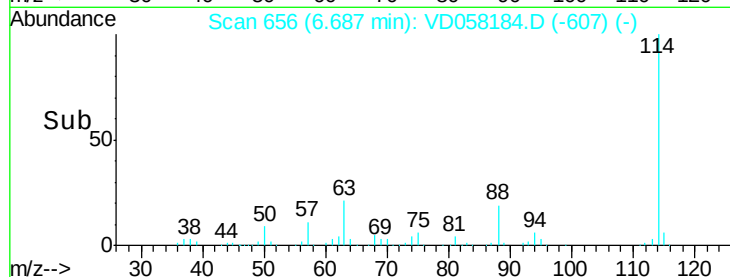
88 19.5 0.0 37.8



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: 5.54 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

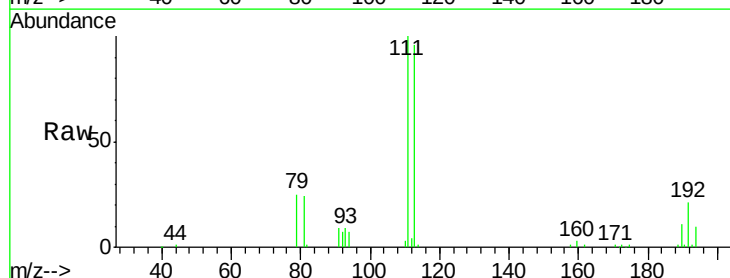
Tgt Ion:113 Resp: 372633

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

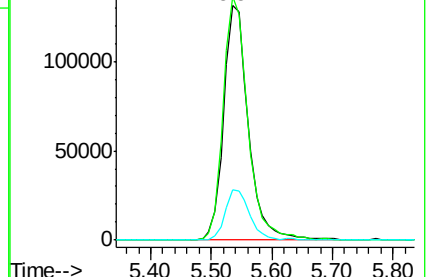
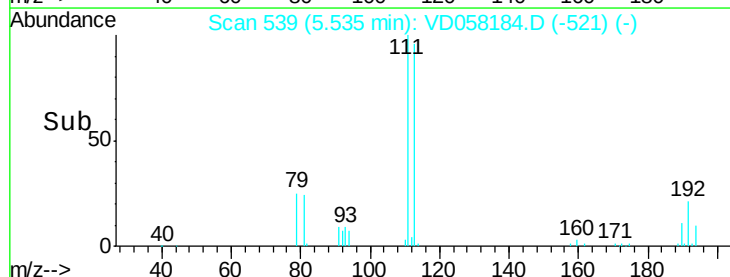
192 21.6 16.4 24.6

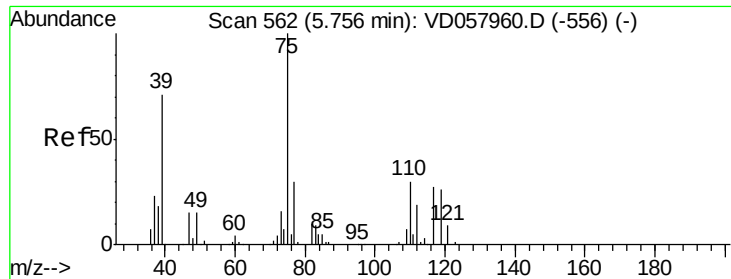


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.477 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

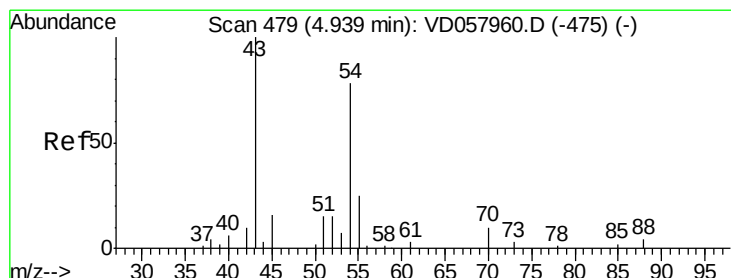
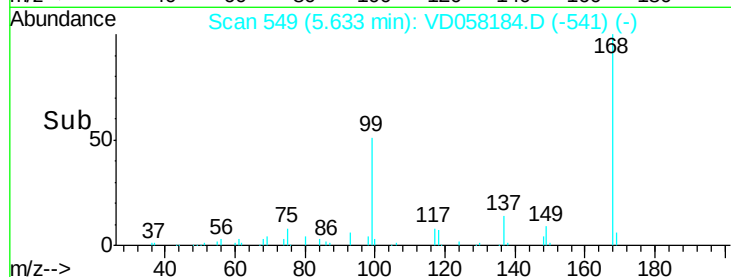
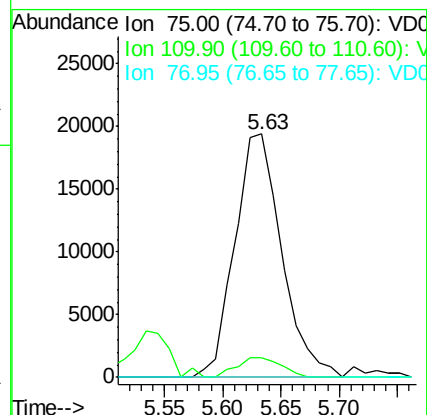
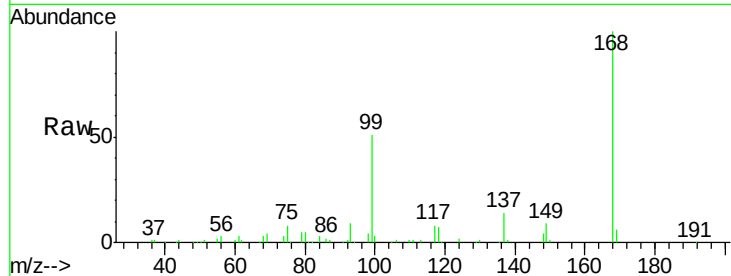
Tot Ion: 75 Resp: 54192

Ion Ratio Lower Upper

75 100

110 8.2 14.8 44.3#

77 0.0 23.9 35.9#



#37

Ethyl Acetate

Concen: 2.897 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.10 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

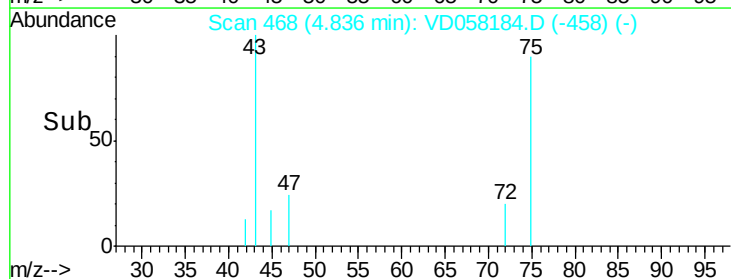
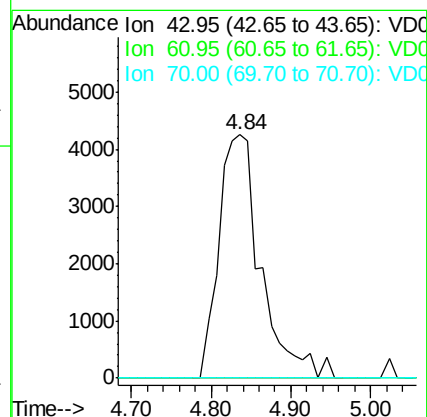
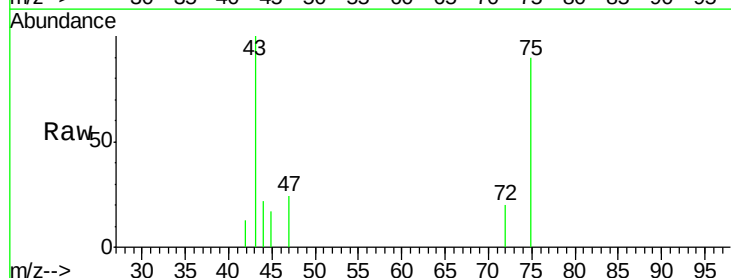
Tgt Ion: 43 Resp: 15642

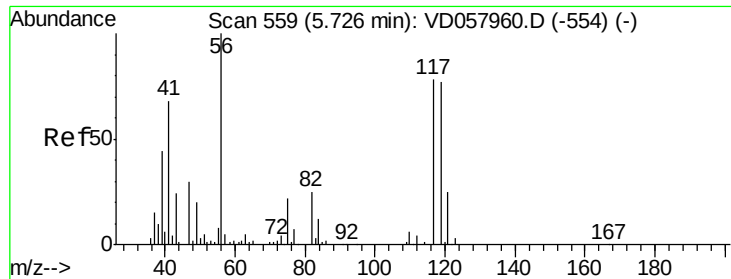
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 5.7 8.5#

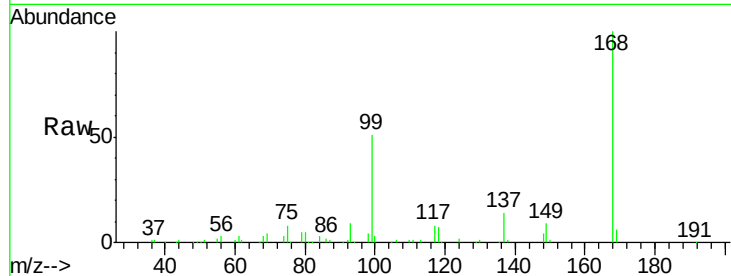




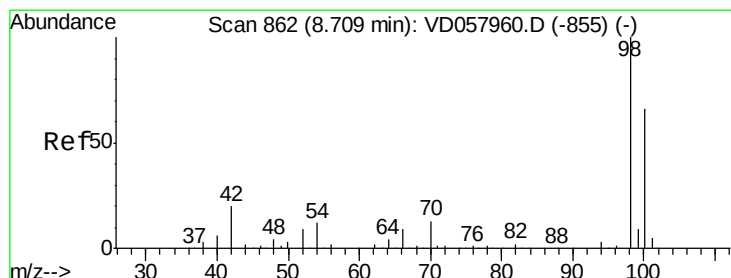
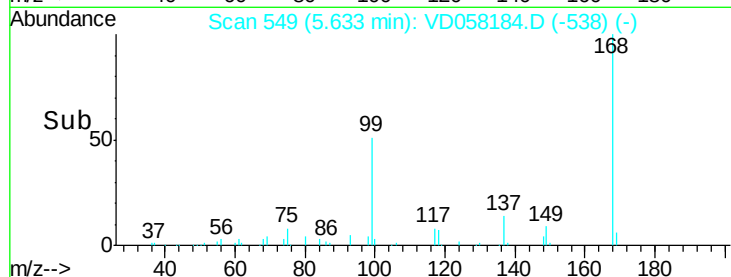
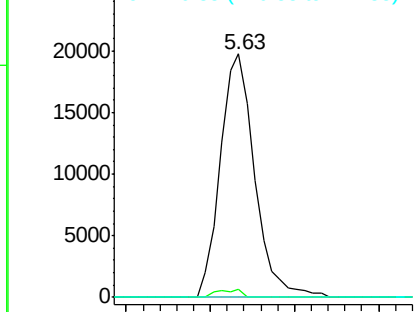
#38
Carbon Tetrachloride
Concen: 5.738 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.09 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 55945
Ion Ratio Lower Upper
117 100
119 3.2 76.1 114.1#
121 0.0 24.9 37.3#

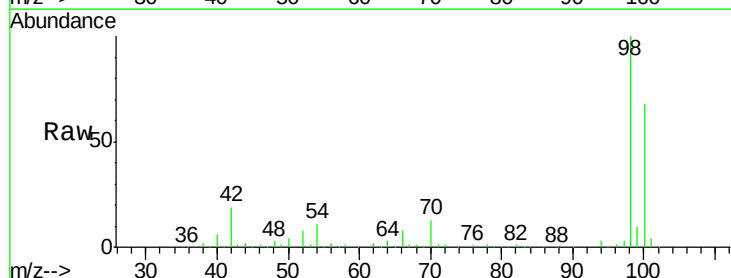


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

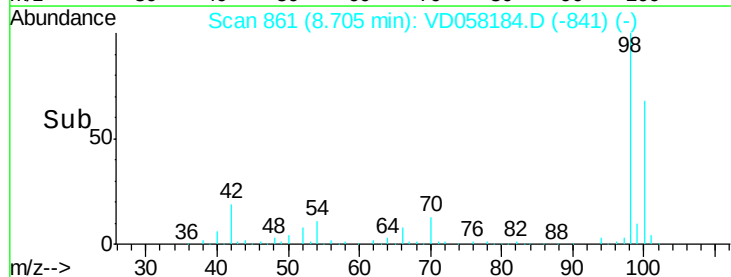
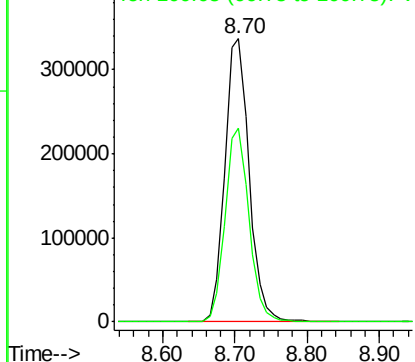


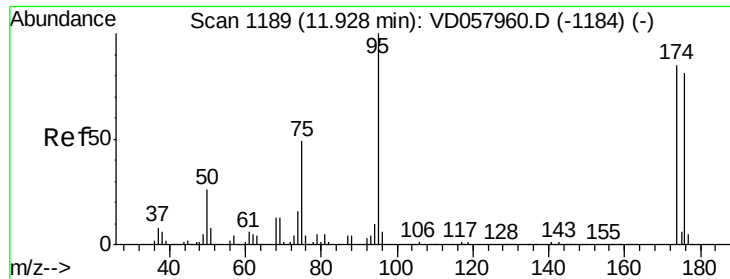
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

Tgt Ion: 98 Resp: 789666
Ion Ratio Lower Upper
98 100
100 68.4 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

ClientSampled :

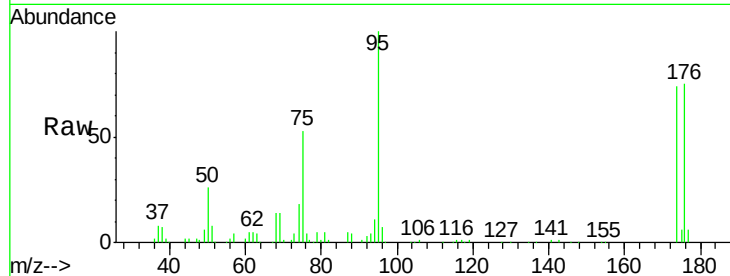
Tot Ion: 95 Resp: 268031

Ion Ratio Lower Upper

95 100

174 74.1 0.0 169.4

176 74.6 0.0 162.6



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

250000

200000

150000

100000

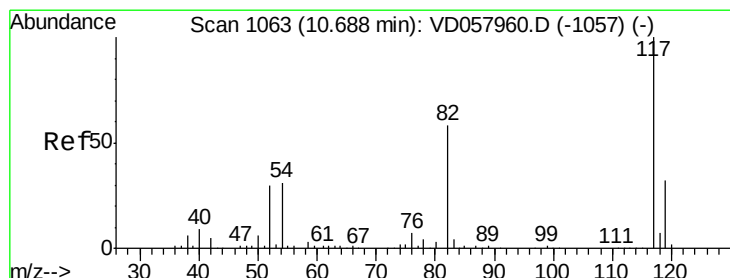
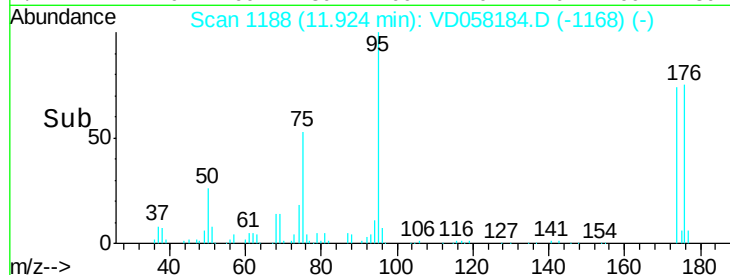
50000

0

11.92

11.80 11.90 12.00 12.10

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

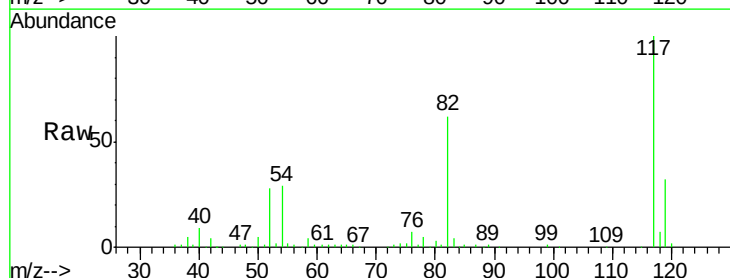
Tgt Ion: 117 Resp: 636831

Ion Ratio Lower Upper

117 100

82 61.8 46.8 70.2

119 32.0 25.8 38.6



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

500000

400000

300000

200000

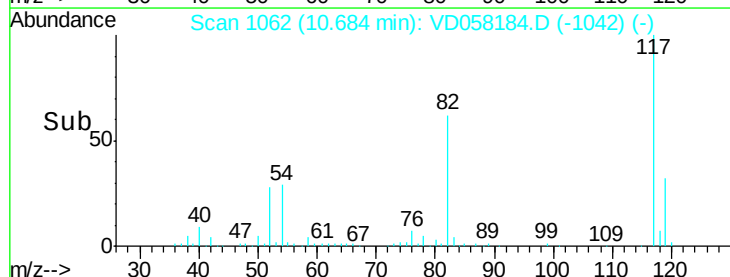
100000

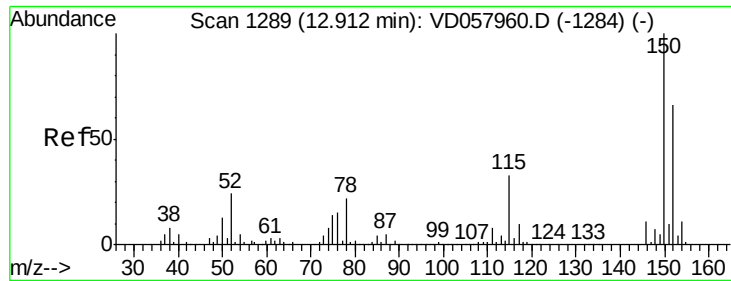
0

10.68

10.60 10.70 10.80

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

Instrument :

MSVOA_D

ClientSampleId :

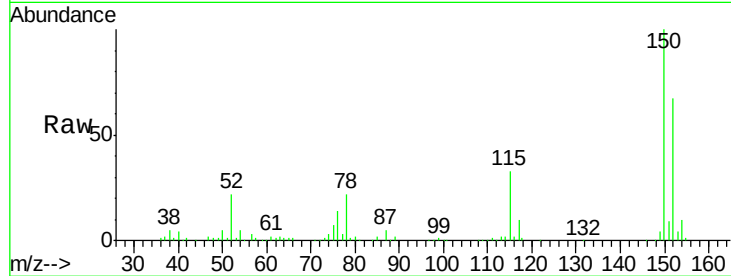
Tot Ion:152 Resp: 238005

Ion Ratio Lower Upper

152 100

115 50.1 25.6 76.6

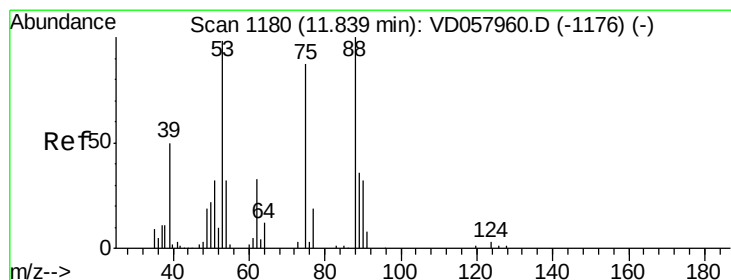
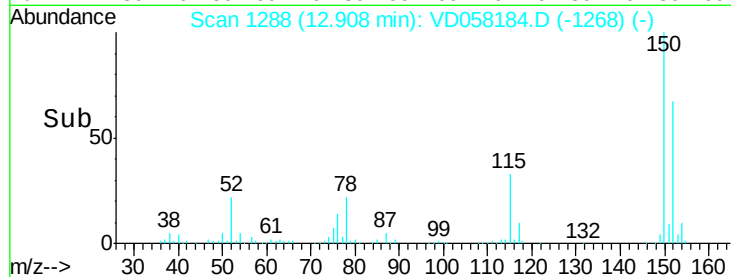
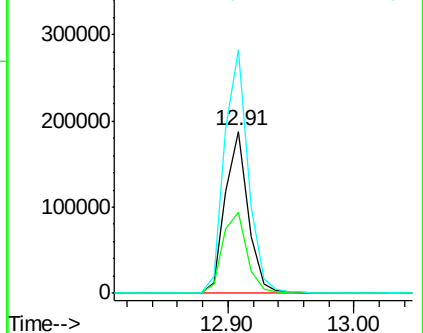
150 150.1 0.0 306.8



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: 149.147 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD058184.D

Acq: 18 Jun 2018 16:39

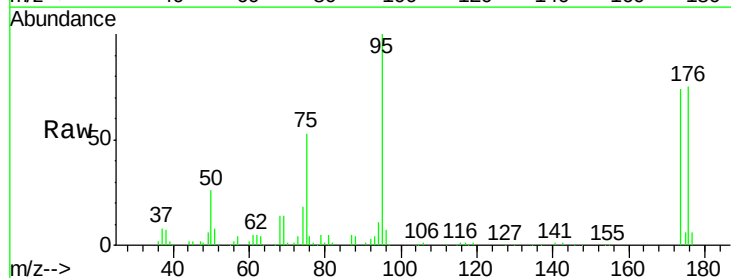
Tgt Ion: 75 Resp: 132072

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

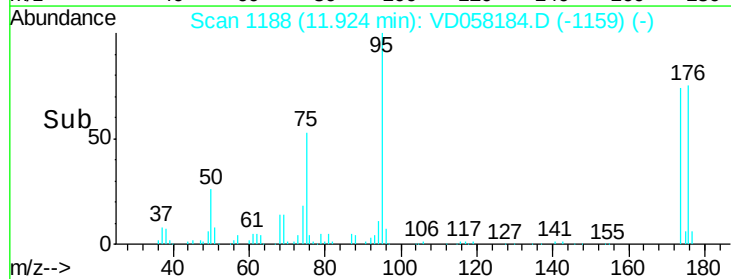
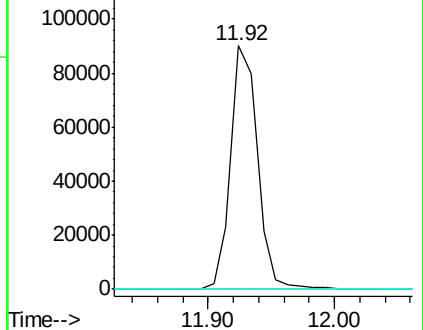
89 0.0 33.3 49.9#

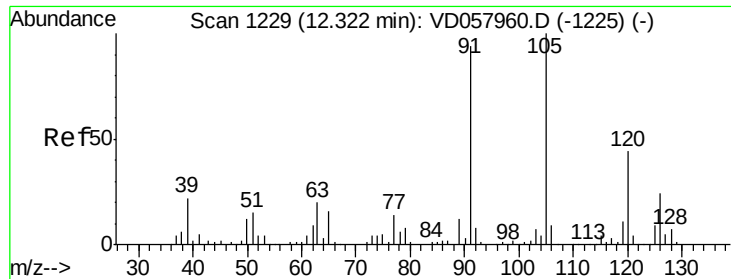


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

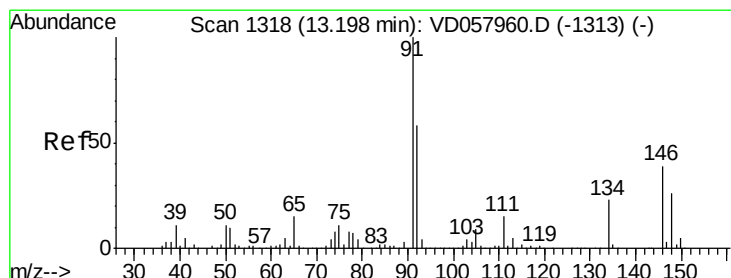
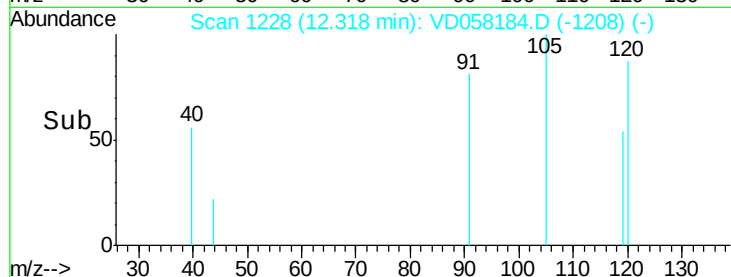
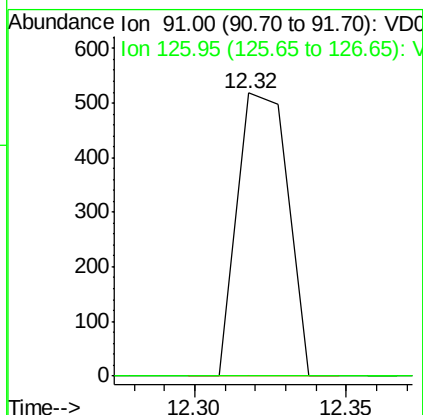
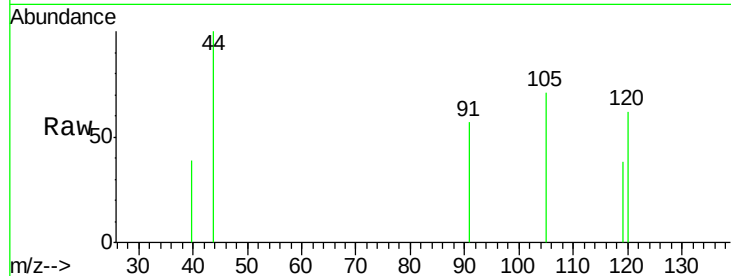




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 599
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#89
n-Butylbenzene
Concen: Below Cal
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058184.D
Acq: 18 Jun 2018 16:39

Tgt Ion: 91 Resp: 709
Ion Ratio Lower Upper
91 100
92 94.5 29.2 87.6#
134 0.0 11.3 33.9#

