

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059797.D
 Acq On : 15 Aug 2018 15:39
 Operator : VA/AP
 Sample : VD0815SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 16 07:46:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	304947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	388976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	315338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	159525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	195824	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
35) Dibromofluoromethane	5.53	113	169071	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
50) Toluene-d8	8.70	98	400821	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.93	95	170226	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	

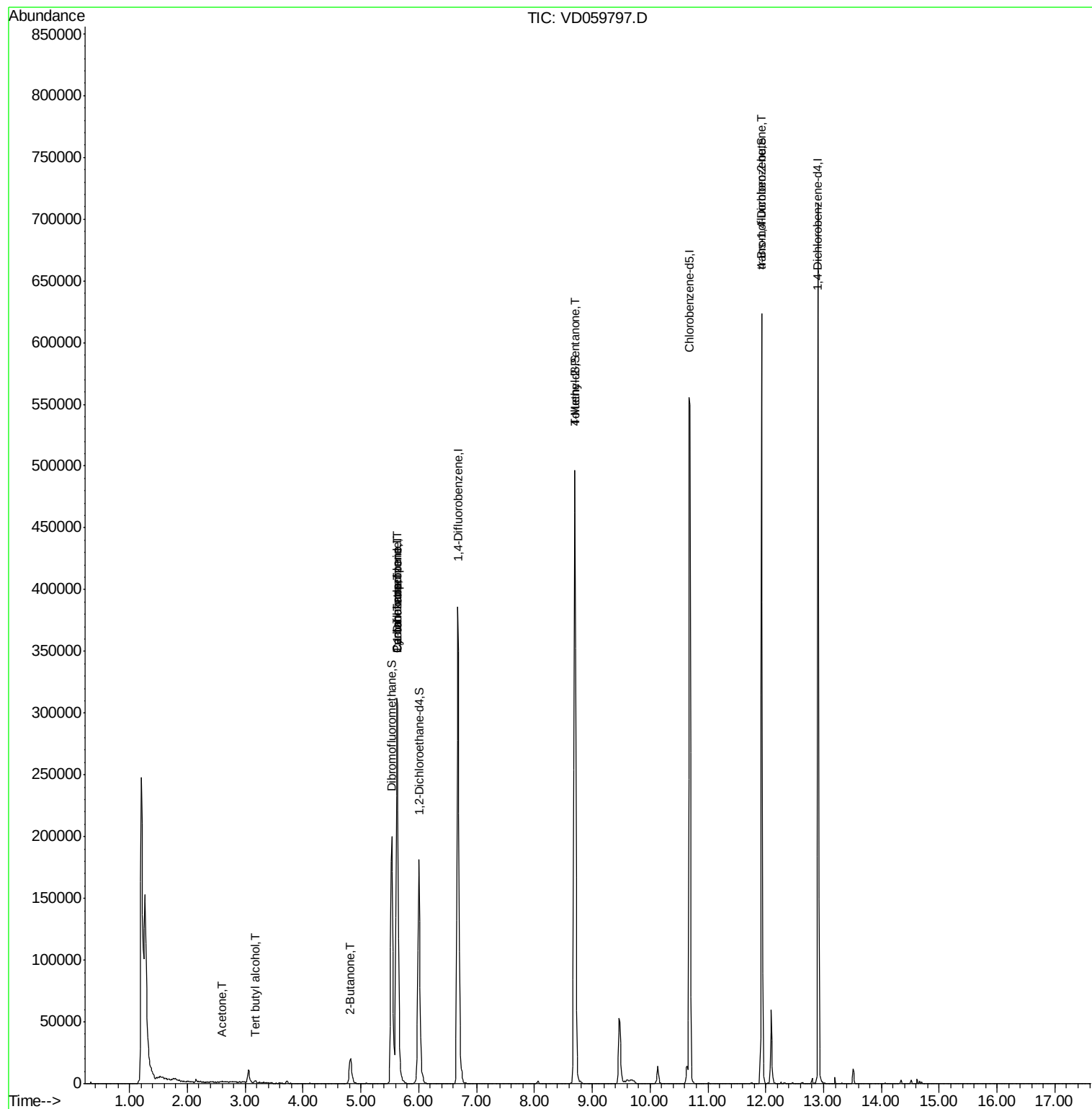
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.16	59	1205	8.693	ug/l #	74
16) Acetone	2.60	43	1194	1.931	ug/l #	57
20) Methylene Chloride	3.05	84	4871	Below Cal		86
25) 2-Butanone	4.81	43	1248	1.319	ug/l #	58
31) Cyclohexane	5.62	56	6887	1.731	ug/l #	9
36) 1,1-Dichloropropene	5.62	75	25936	6.499	ug/l #	51
38) Carbon Tetrachloride	5.63	117	29188	6.062	ug/l #	15
51) 4-Methyl-2-Pentanone	8.69	43	2291	1.202	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	83099	156.928	ug/l #	1

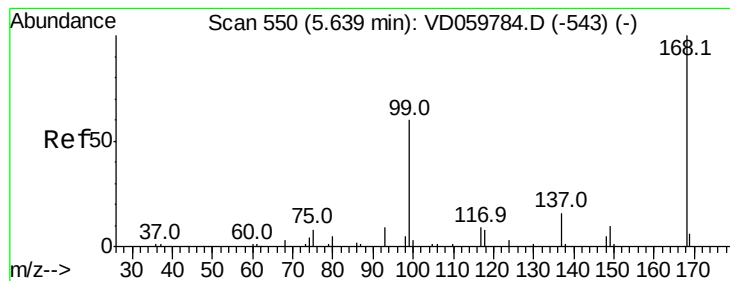
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 16 07:46:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059797.D

Acq: 15 Aug 2018 15:39

Instrument :

MSVOA_D

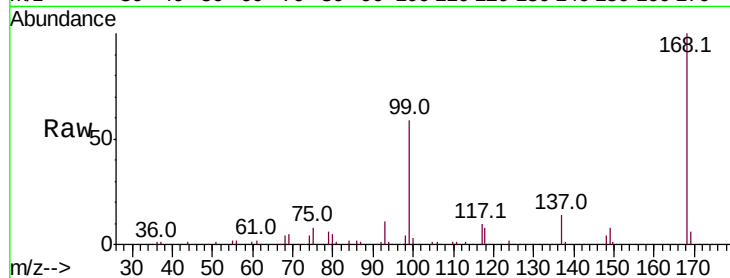
ClientSampleId :

Tot Ion:168 Resp: 304947

Ion Ratio Lower Upper

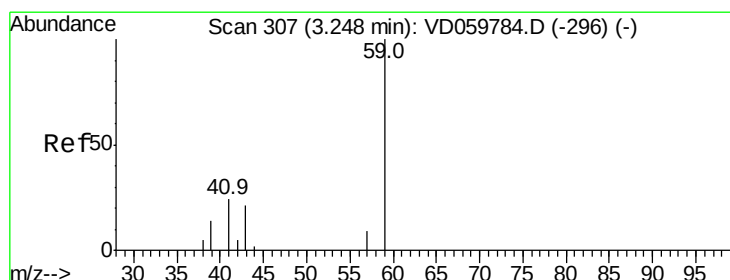
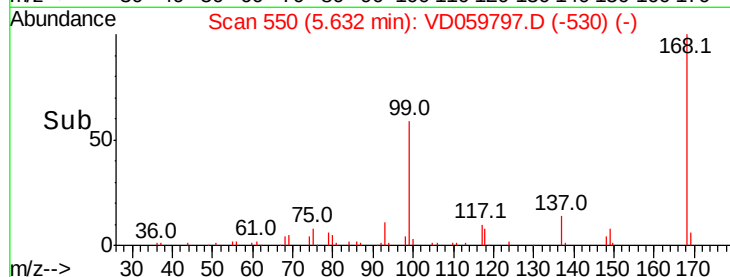
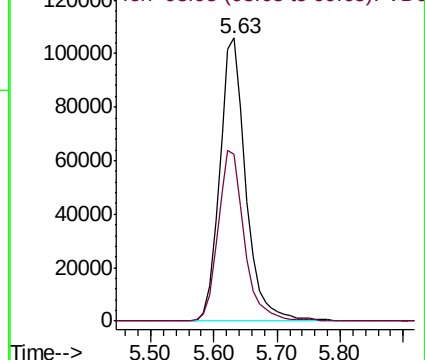
168 100

99 59.1 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 8.693 ug/l

RT: 3.16 min Scan# 299

Delta R.T. -0.09 min

Lab File: VD059797.D

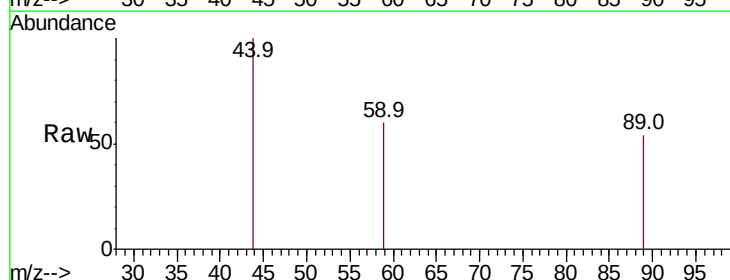
Acq: 15 Aug 2018 15:39

Tgt Ion: 59 Resp: 1205

Ion Ratio Lower Upper

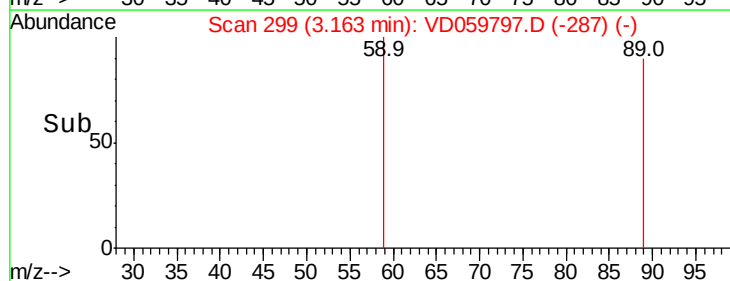
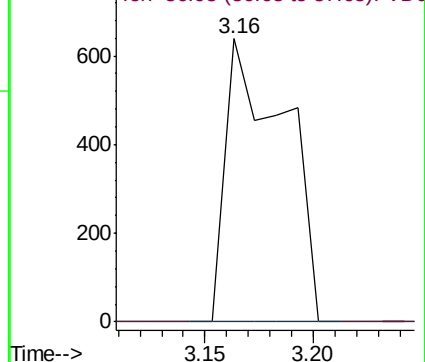
59 100

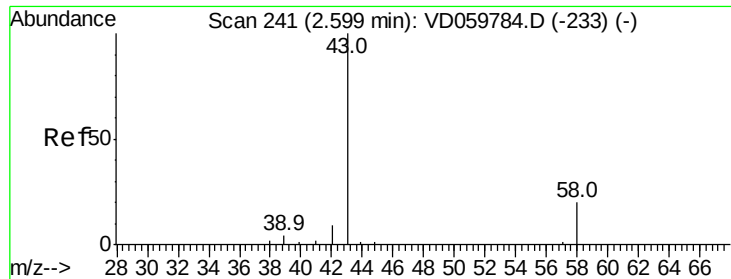
57 0.0 7.5 11.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 1.931 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD059797.D

Acq: 15 Aug 2018 15:39

Instrument :

MSVOA_D

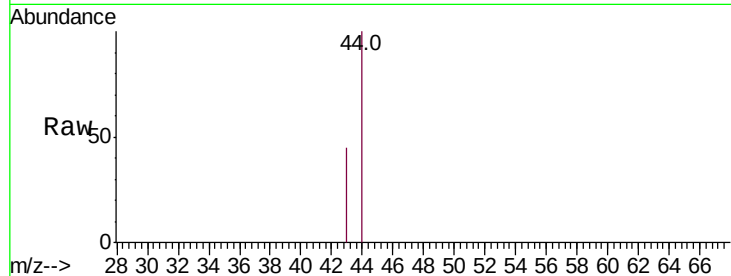
ClientSampleId :

Tot Ion: 43 Resp: 1194

Ion Ratio Lower Upper

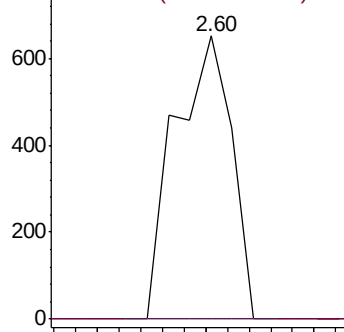
43 100

58 0.0 15.7 23.5#

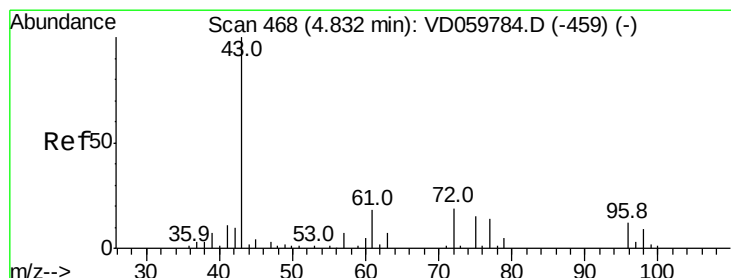
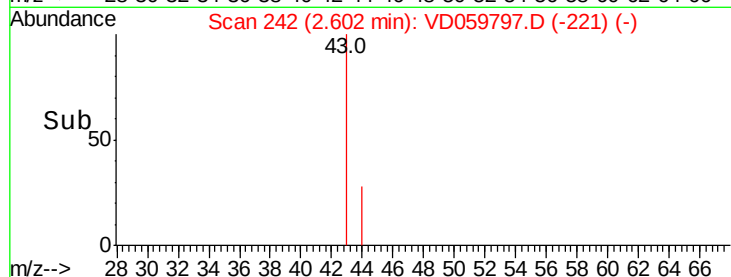


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#25

2-Butanone

Concen: 1.319 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD059797.D

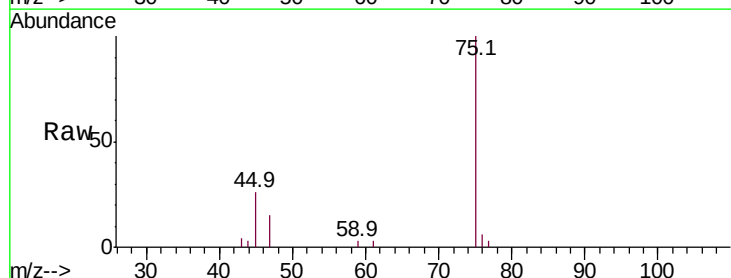
Acq: 15 Aug 2018 15:39

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

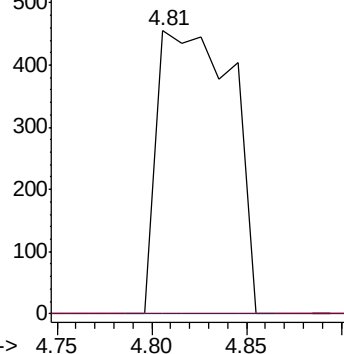
43 100

72 0.0 14.9 22.3#

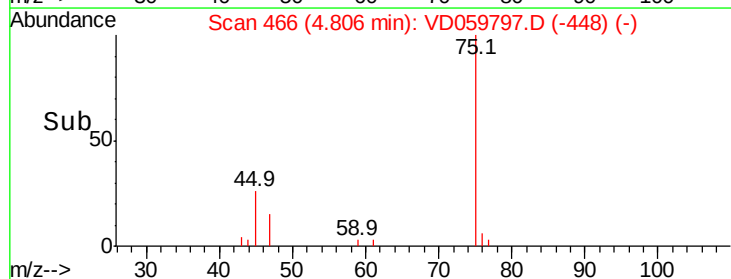


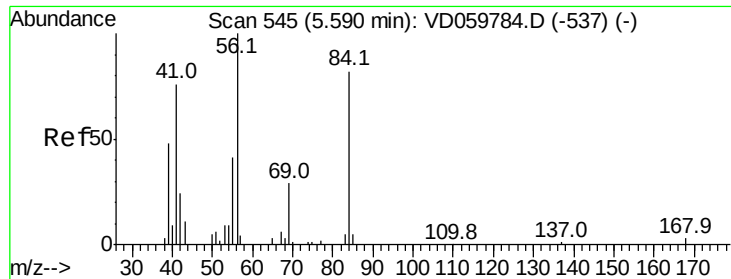
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->

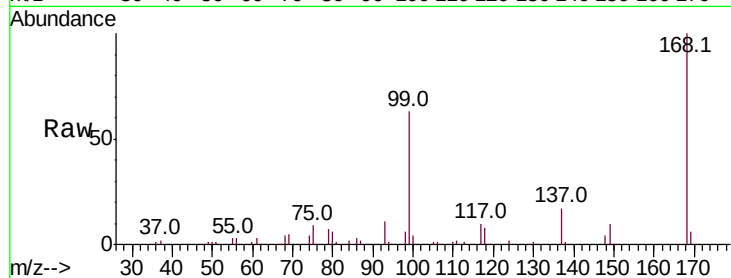




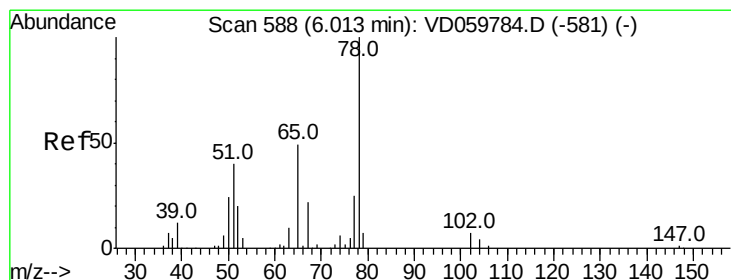
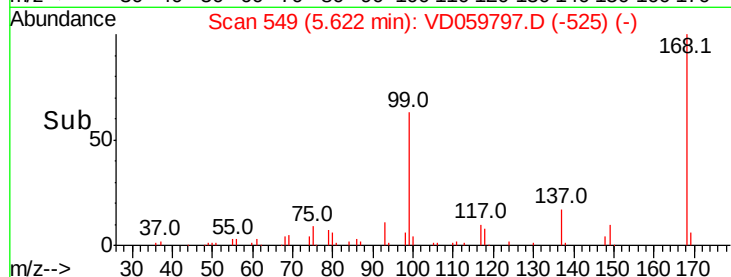
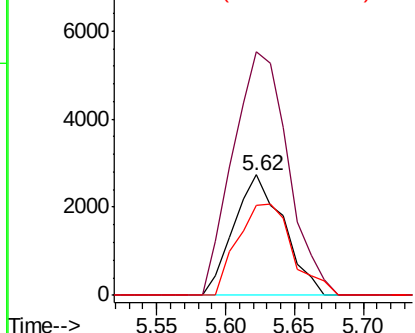
#31
Cyclohexane
Concen: 1.731 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD059797.D
Acq: 15 Aug 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 6887
Ion Ratio Lower Upper
56 100
69 202.0 23.4 35.2#
84 74.7 65.4 98.2

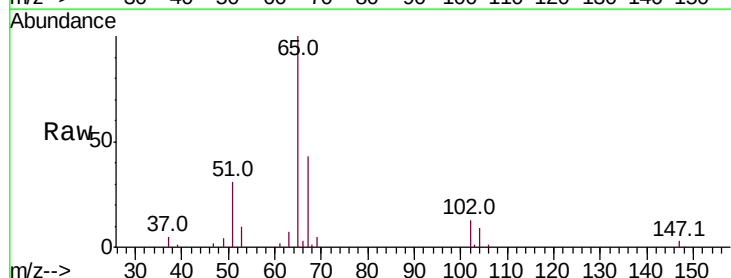


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

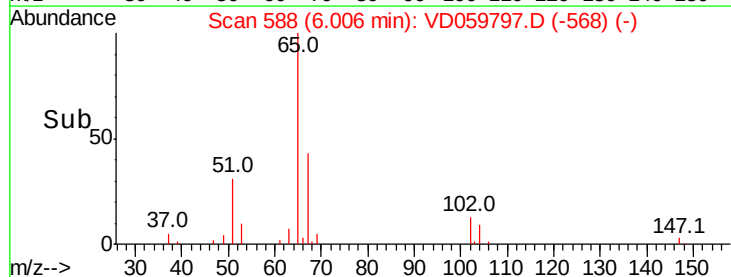
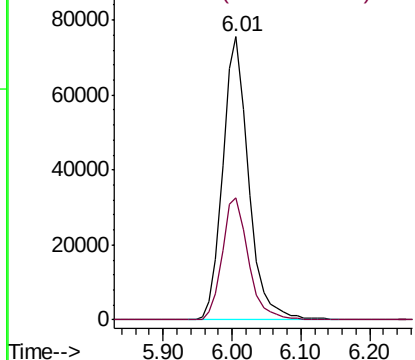


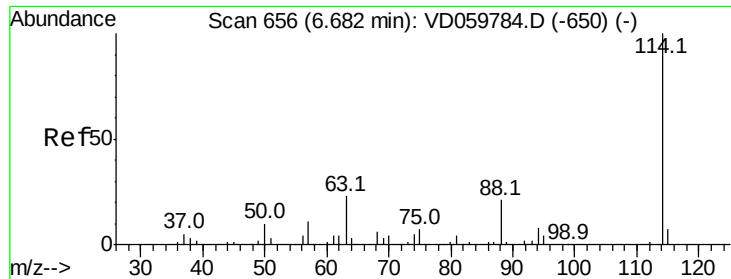
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059797.D
Acq: 15 Aug 2018 15:39

Tgt Ion: 65 Resp: 195824
Ion Ratio Lower Upper
65 100
67 43.3 0.0 87.8



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

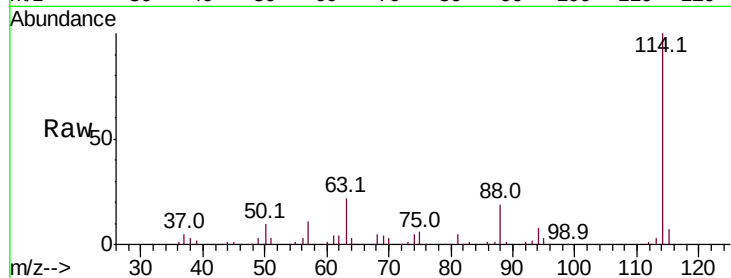




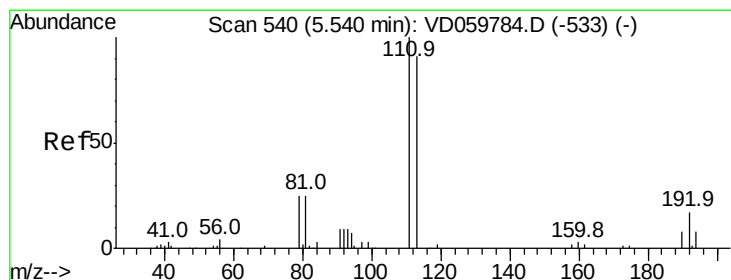
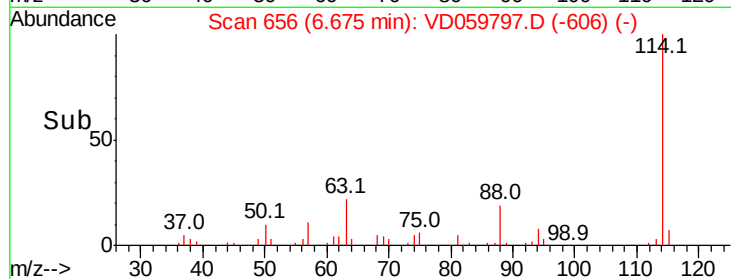
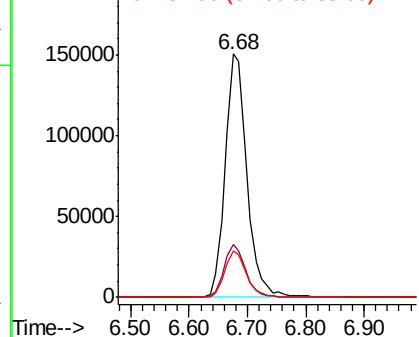
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 388976
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.0
 88 19.2 0.0 41.2

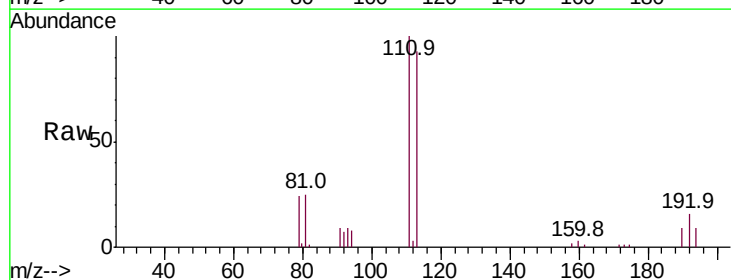


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

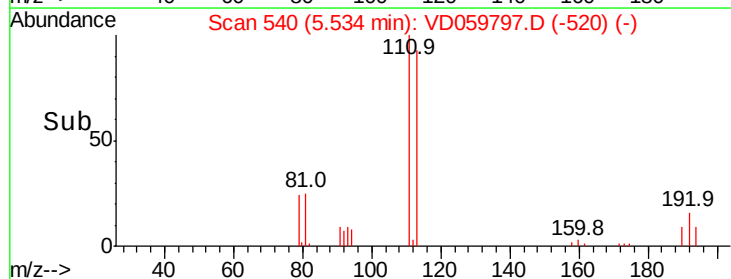
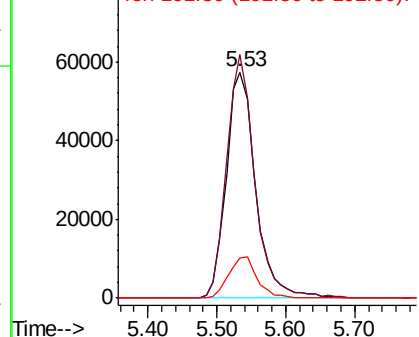


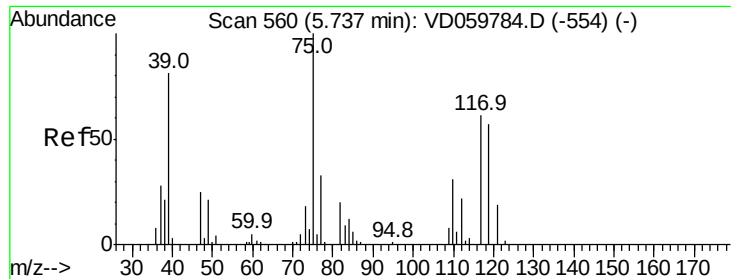
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

Tgt Ion:113 Resp: 169071
 Ion Ratio Lower Upper
 113 100
 111 107.7 87.7 131.5
 192 17.7 14.6 21.8



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

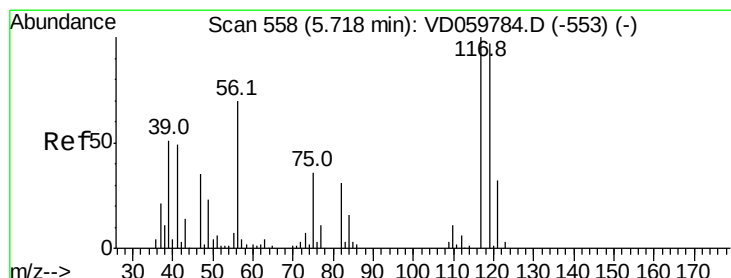
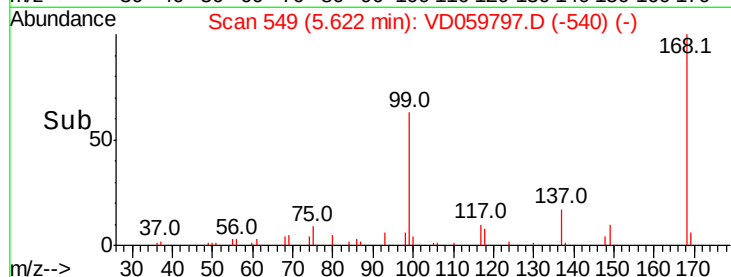
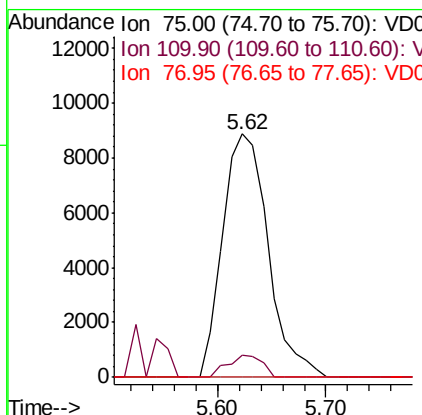
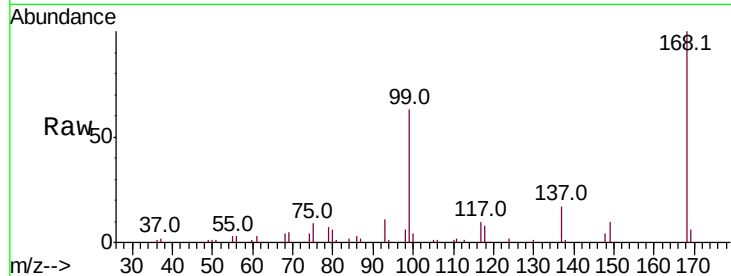




#36
 1,1-Dichloropropene
 Concen: 6.499 ug/l
 RT: 5.62 min Scan# 549
 Delta R.T. -0.11 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

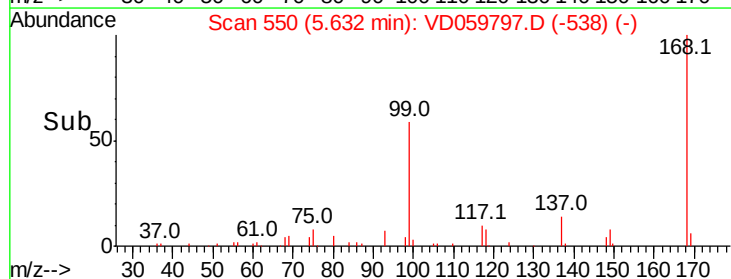
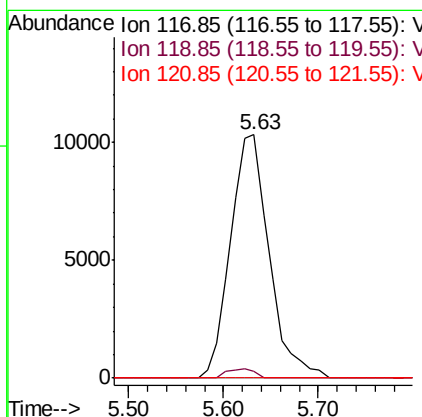
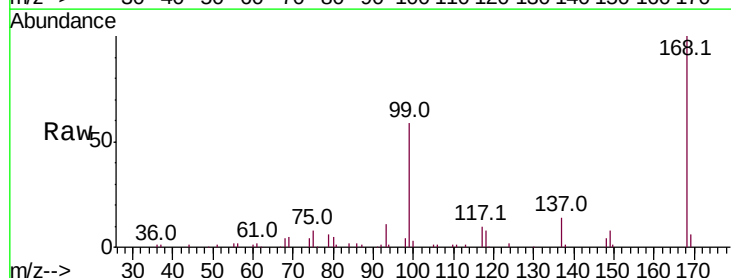
Instrument :
 MSVOA_D
 ClientSampleId :

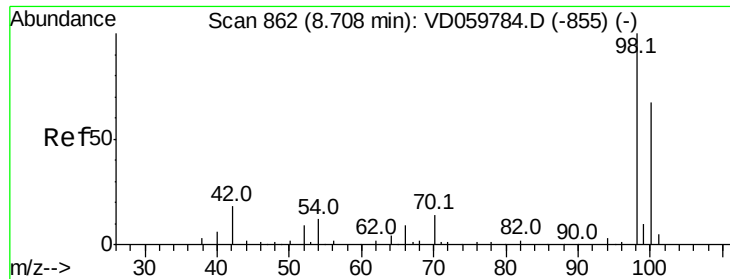
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.3	45.8#
77	0.0	26.2	39.4#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	75.7	113.5#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059797.D

Acq: 15 Aug 2018 15:39

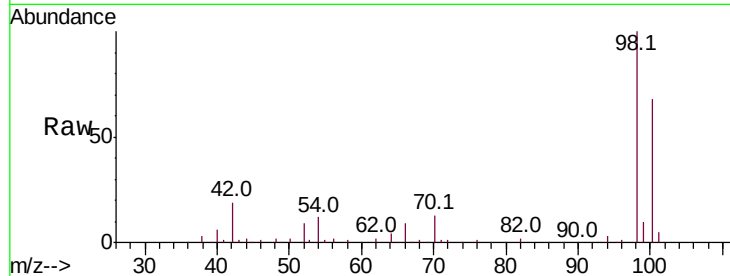
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 400821

Ion Ratio Lower Upper

98 100

100 68.0 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VD059784.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD059784.D (-855) (-)

8.70

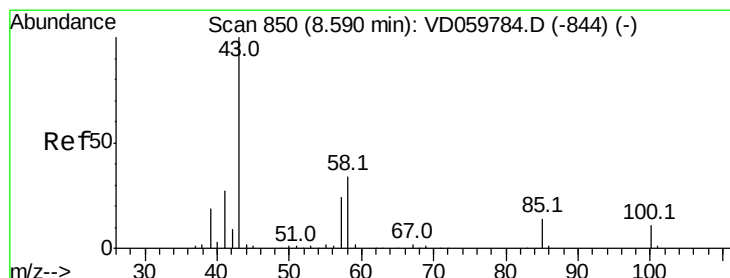
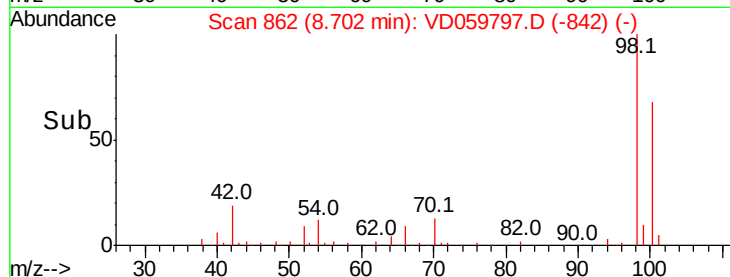
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.202 ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD059797.D

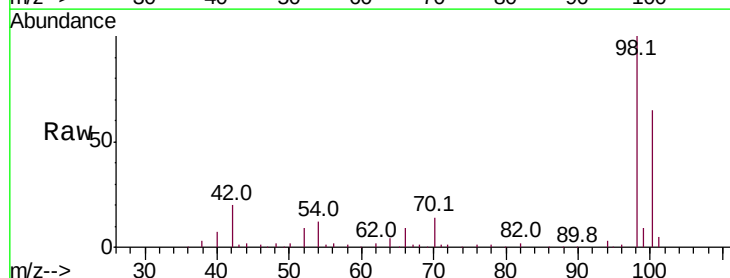
Acq: 15 Aug 2018 15:39

Tgt Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

58 169.0 27.5 41.3#



Abundance Ion 42.95 (42.65 to 43.65): VD059797.D (-830) (-)

Ion 57.95 (57.65 to 58.65): VD059797.D (-830) (-)

8.69

2000

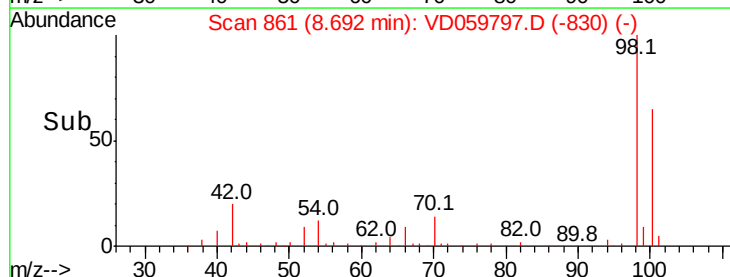
1500

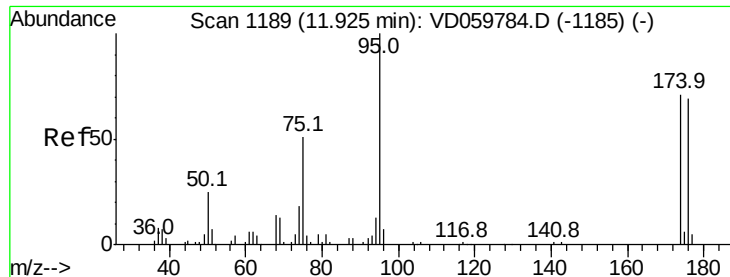
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059797.D

Acq: 15 Aug 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

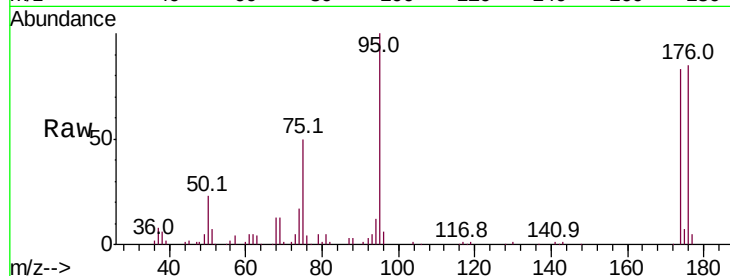
Tot Ion: 95 Resp: 170226

Ion Ratio Lower Upper

95 100

174 83.3 0.0 142.2

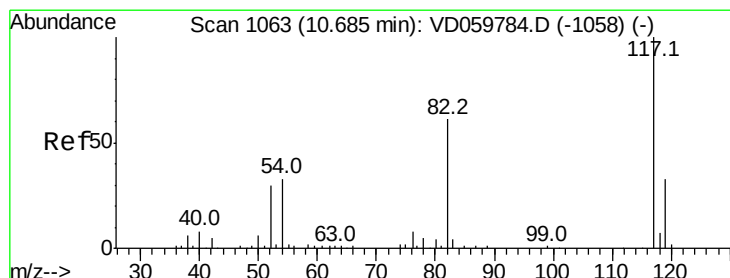
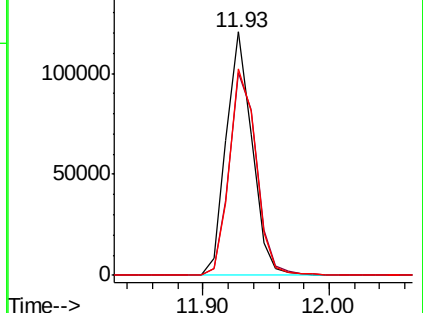
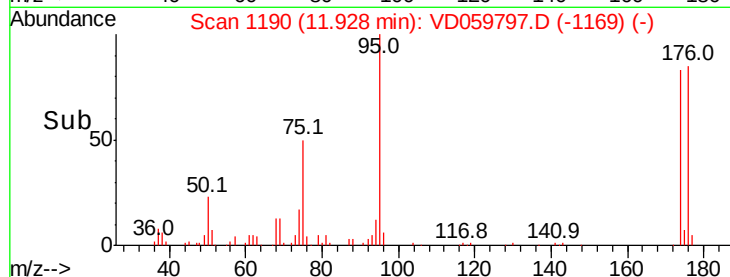
176 85.0 0.0 137.4



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: 10.69 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD059797.D

Acq: 15 Aug 2018 15:39

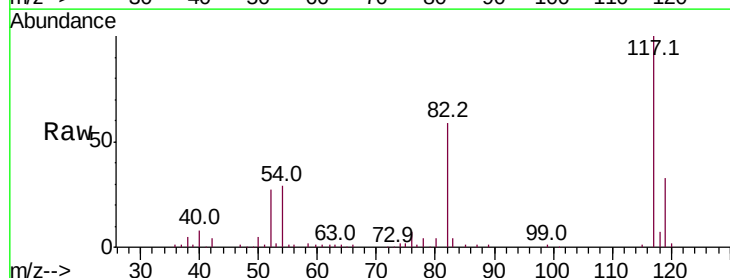
Tgt Ion: 117 Resp: 315338

Ion Ratio Lower Upper

117 100

82 59.1 49.0 73.6

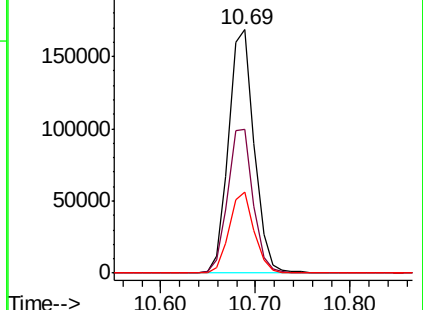
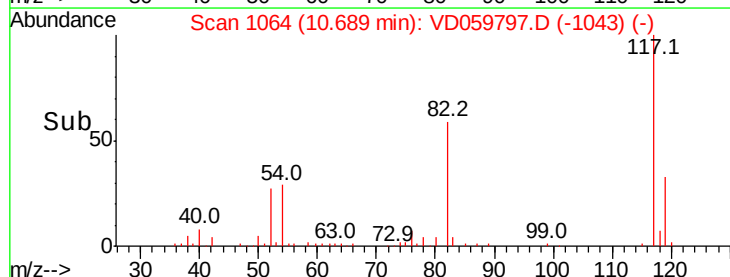
119 33.2 26.2 39.2

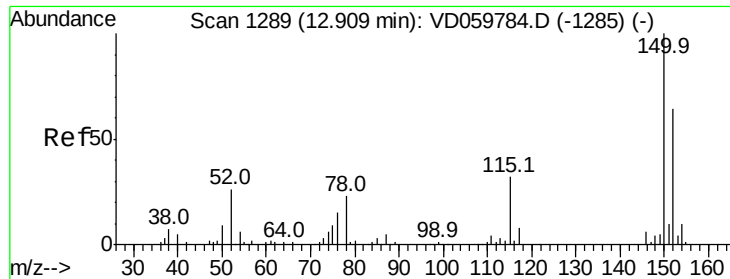


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

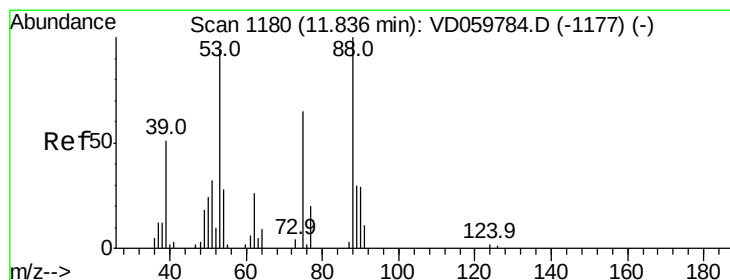
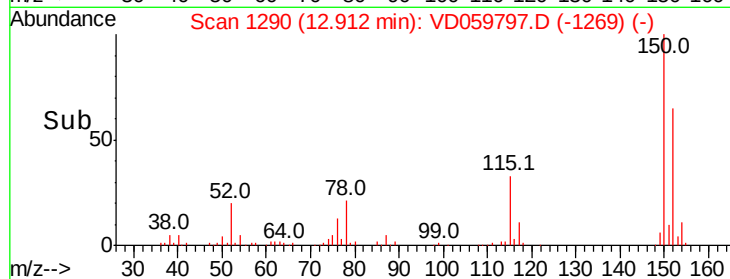
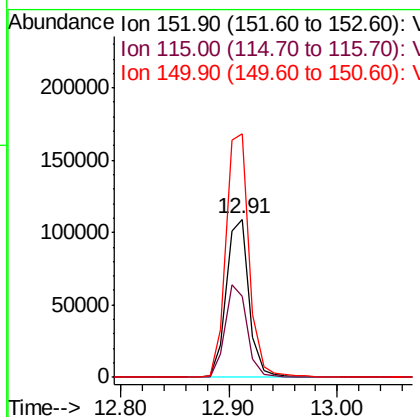
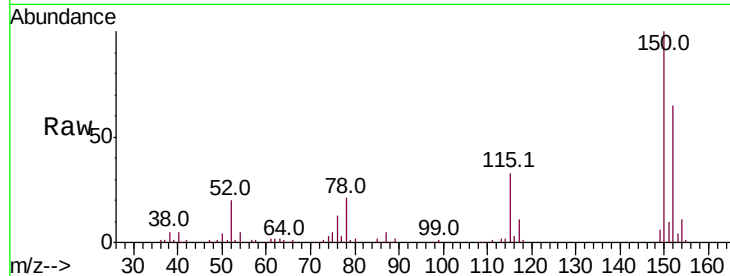




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:152 Resp: 159525
 Ion Ratio Lower Upper
 152 100
 115 51.3 27.2 81.5
 150 153.7 0.0 312.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.928 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.09 min
 Lab File: VD059797.D
 Acq: 15 Aug 2018 15:39

Tgt Ion: 75 Resp: 83099
 Ion Ratio Lower Upper
 75 100
 53 0.0 116.2 174.2#
 89 0.0 37.0 55.6#

