

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059422.D
 Acq On : 26 Jun 2018 13:48
 Operator : VA/AP
 Sample : J3605-07RE
 Misc : 6.55g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 14:20:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	613223	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	826064	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	687740	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	363741	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	262680	41.89	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	83.78%	
35) Dibromofluoromethane	5.53	113	275588	40.96	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.92%	
50) Toluene-d8	8.69	98	583040	37.07	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	74.14%	
62) 4-Bromofluorobenzene	11.92	95	249445	38.12	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	76.24%	

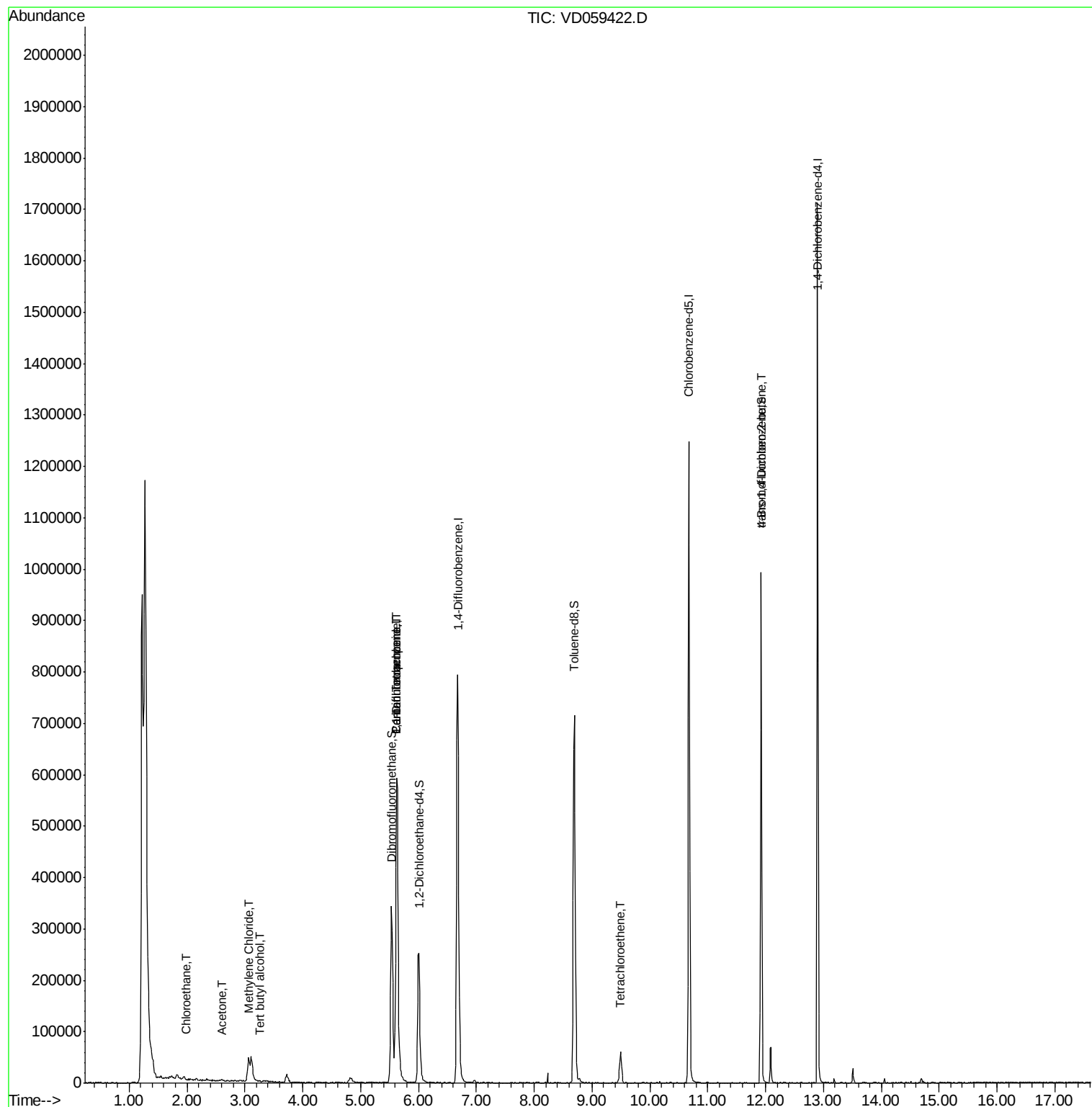
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.83	94	309	Below Cal	#	4
6) Chloroethane	1.99	64	231	2.07	ug/l #	41
11) Tert butyl alcohol	3.26	59	252	1.16	ug/l #	72
16) Acetone	2.60	43	5972	7.55	ug/l	97
18) Methyl Acetate	2.94	43	2505	Below Cal	#	66
20) Methylene Chloride	3.07	84	20905	7.40	ug/l #	83
31) Cyclohexane	5.63	56	12800	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	46414	6.19	ug/l #	54
38) Carbon Tetrachloride	5.62	117	48820	6.32	ug/l #	16
64) Tetrachloroethene	9.49	164	18460	3.06	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.92	75	124133	108.85	ug/l #	1

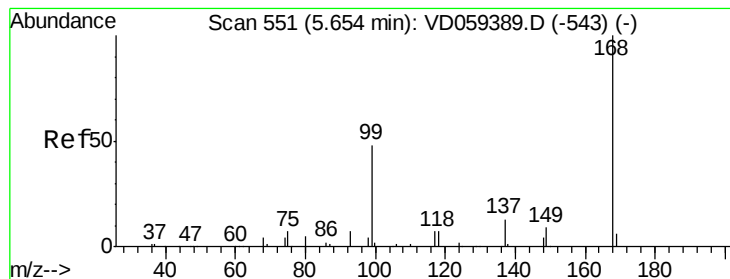
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

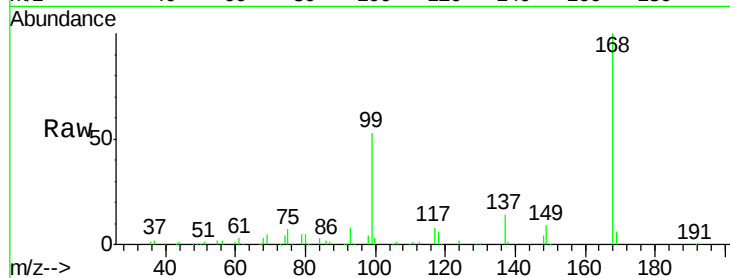
ClientSampleID :

Tot Ion:168 Resp: 613223

Ion Ratio Lower Upper

168 100

99 53.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

250000

200000

150000

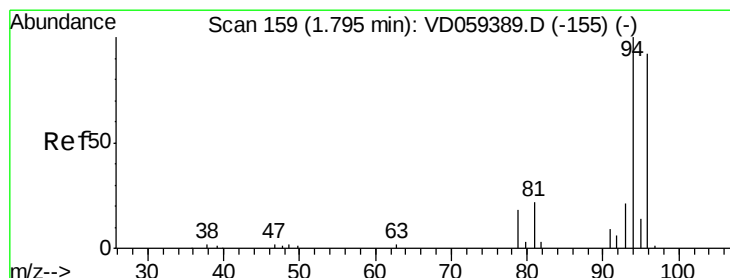
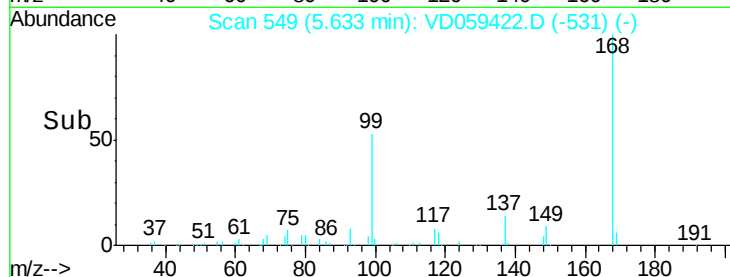
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.83 min Scan# 163

Delta R.T. 0.04 min

Lab File: VD059422.D

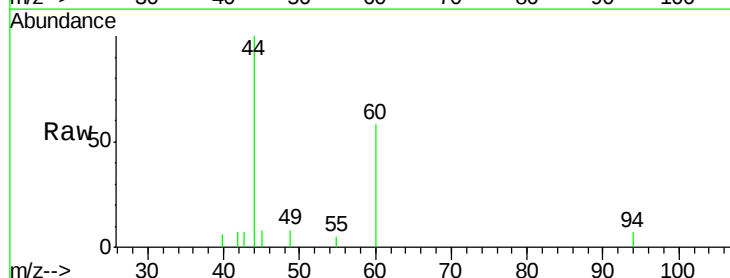
Acq: 26 Jun 2018 13:48

Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.83

600

500

400

300

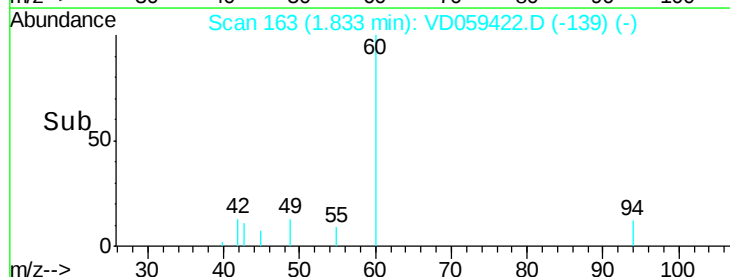
200

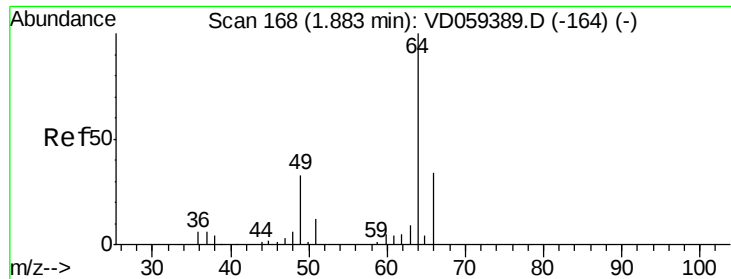
100

0

Time-->

1.80 1.82 1.84 1.86





#6

Chloroethane

Concen: 2.07 ug/l

RT: 1.99 min Scan# 179

Delta R.T. 0.11 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

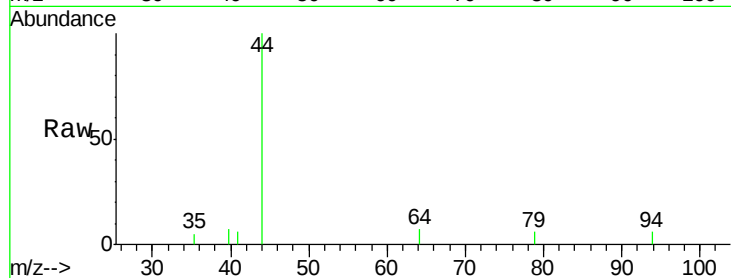
ClientSampled :

Tot Ion: 64 Resp: 231

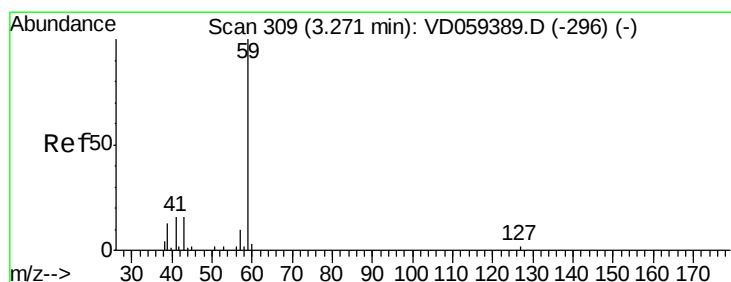
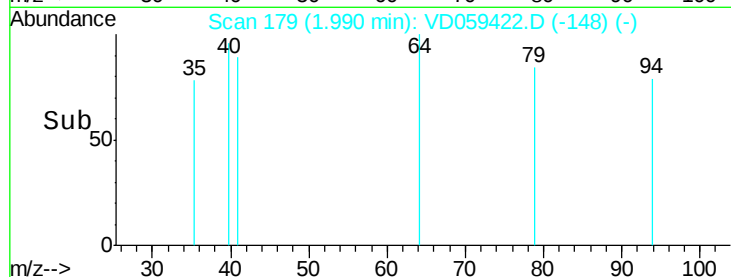
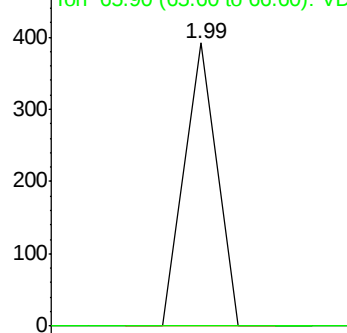
Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC



#11

Tert butyl alcohol

Concen: 1.16 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD059422.D

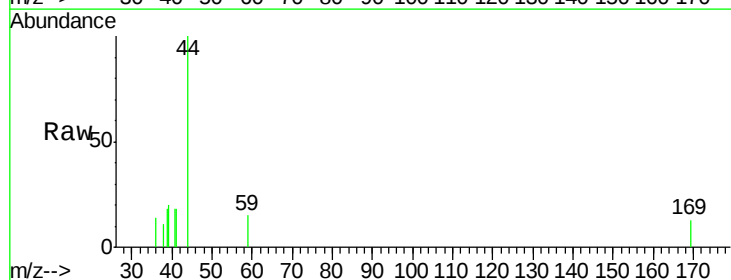
Acq: 26 Jun 2018 13:48

Tgt Ion: 59 Resp: 252

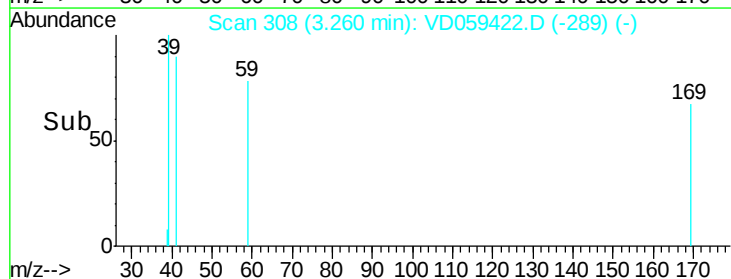
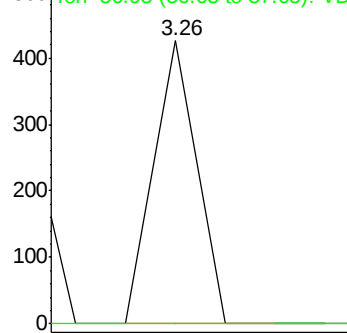
Ion Ratio Lower Upper

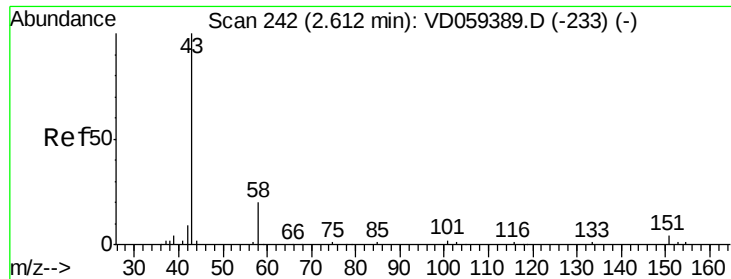
59 100

57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC





#16

Acetone

Concen: 7.55 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

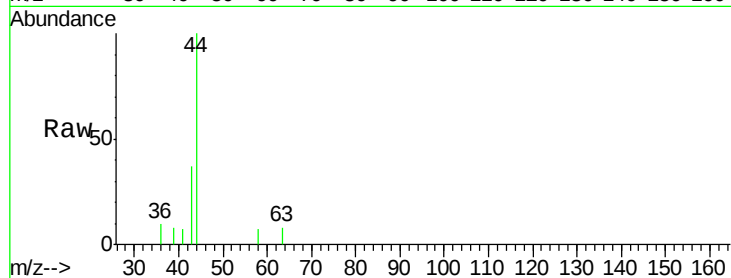
ClientSampleId :

Tot Ion: 43 Resp: 5972

Ion Ratio Lower Upper

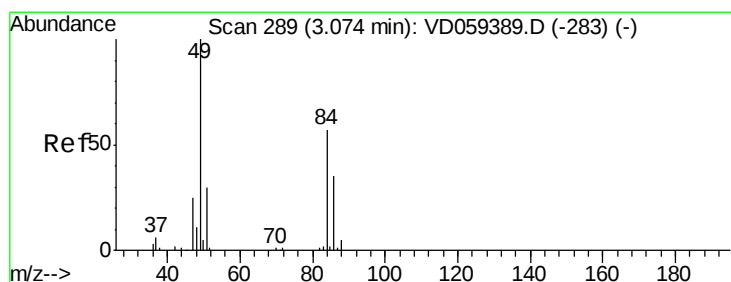
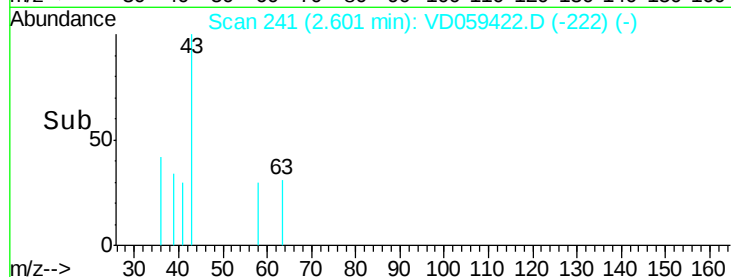
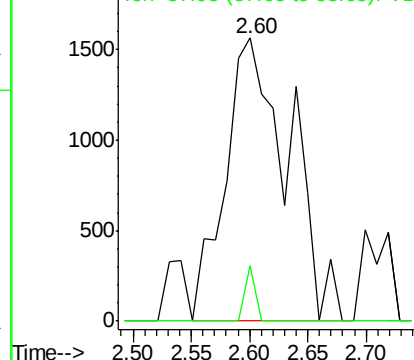
43 100

58 19.8 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 7.40 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Tgt Ion: 84 Resp: 20905

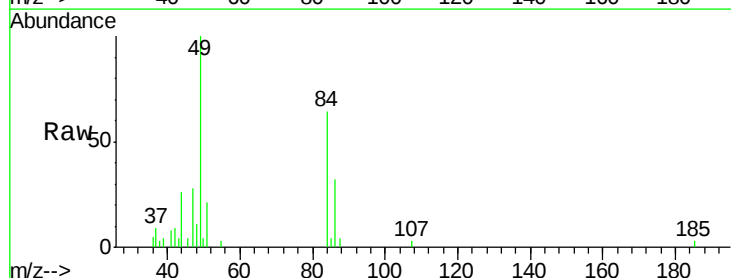
Ion Ratio Lower Upper

84 100

49 155.6 140.3 210.5

51 32.7 41.6 62.4#

86 50.5 49.4 74.2

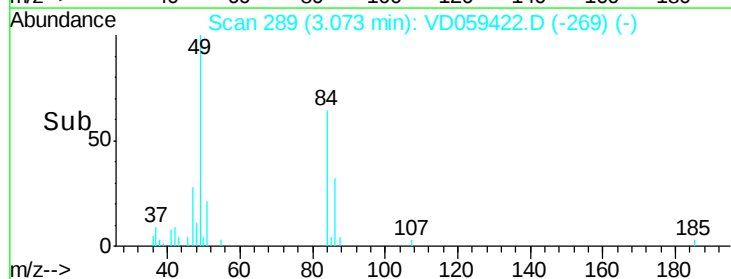
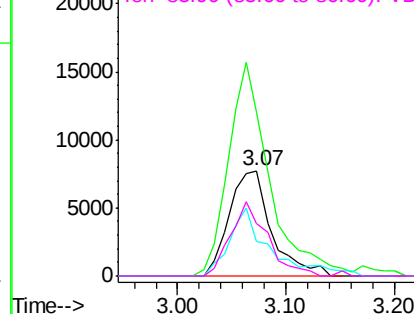


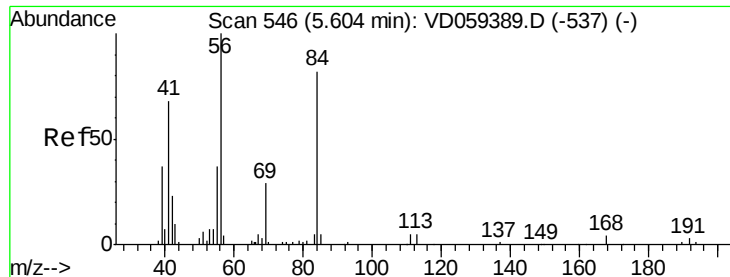
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

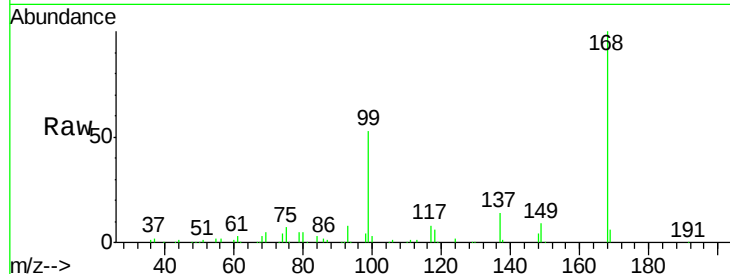




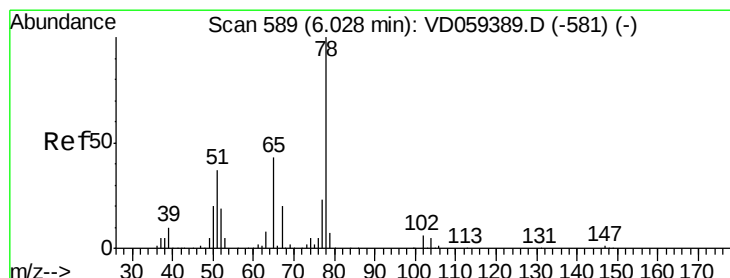
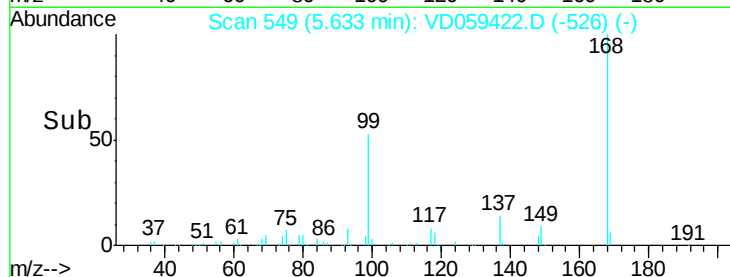
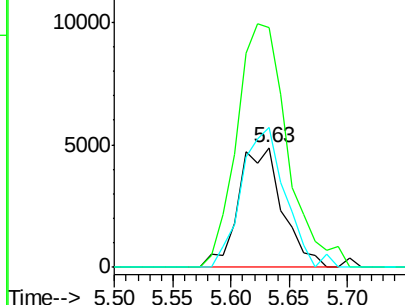
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 12800
Ion Ratio Lower Upper
56 100
69 200.8 22.9 34.3#
84 117.2 67.3 100.9#

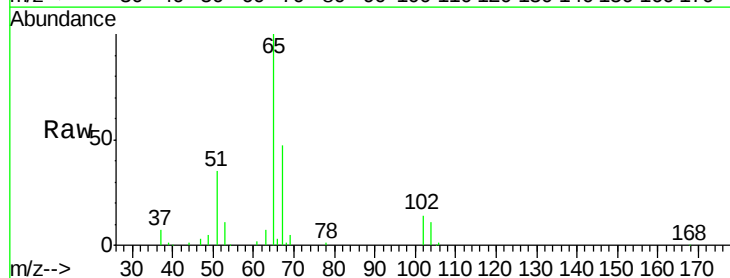


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

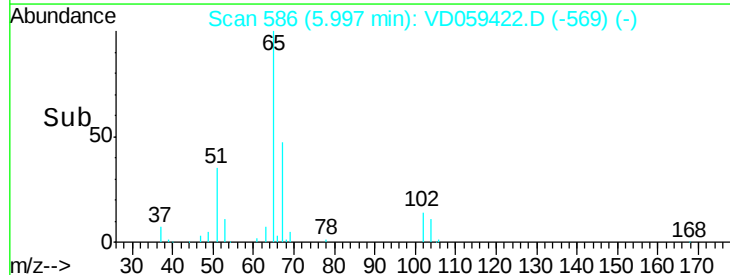
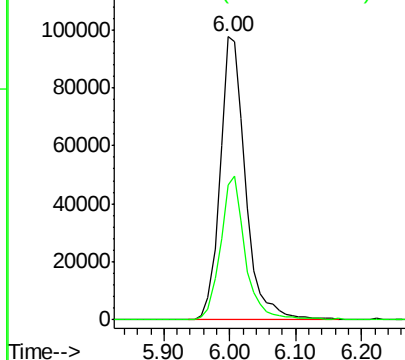


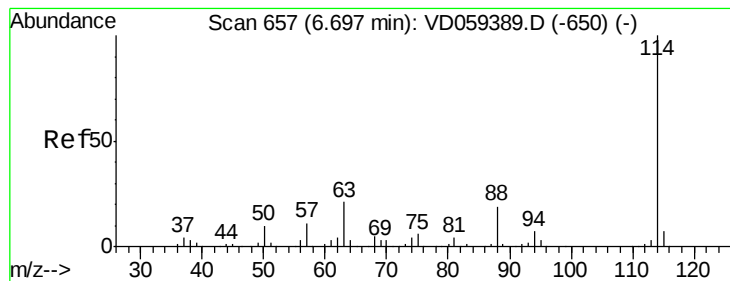
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 586
Delta R.T. -0.03 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Tgt Ion: 65 Resp: 262680
Ion Ratio Lower Upper
65 100
67 47.5 0.0 93.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

ClientSampleId :

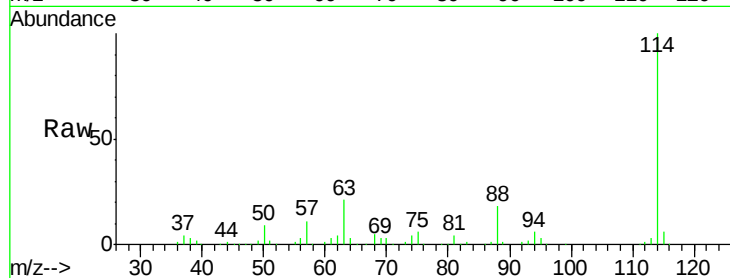
Tot Ion:114 Resp: 826064

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.4

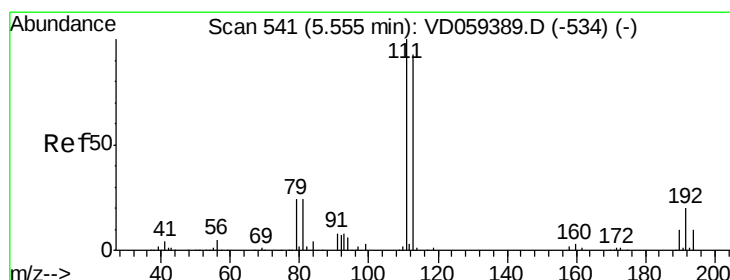
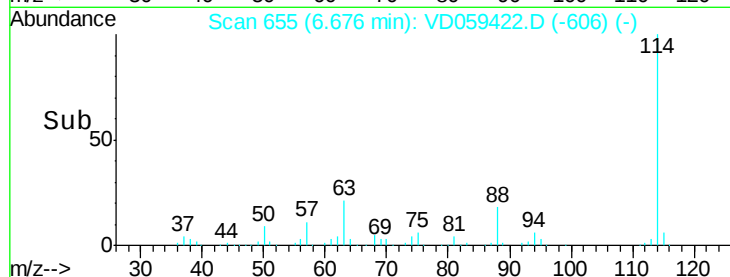
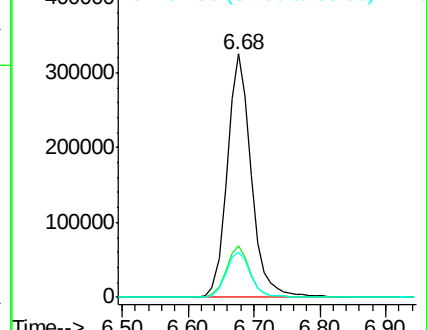
88 18.5 0.0 38.0



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: 50.00 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

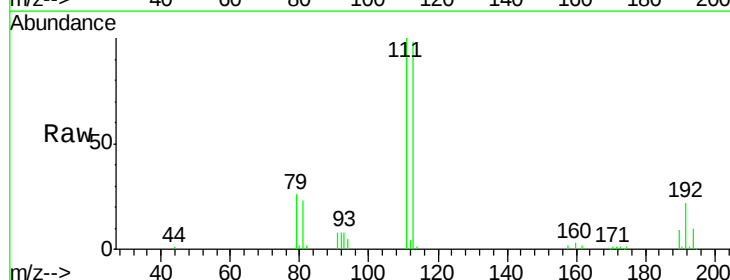
Tgt Ion:113 Resp: 275588

Ion Ratio Lower Upper

113 100

111 102.6 85.7 128.5

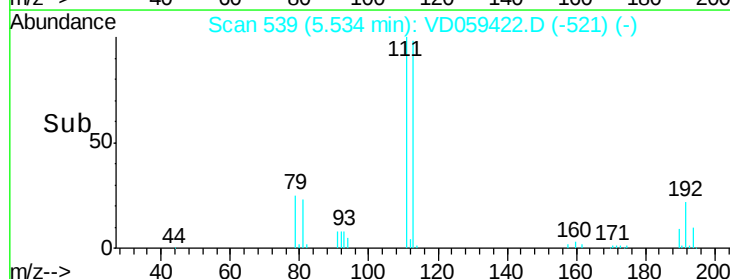
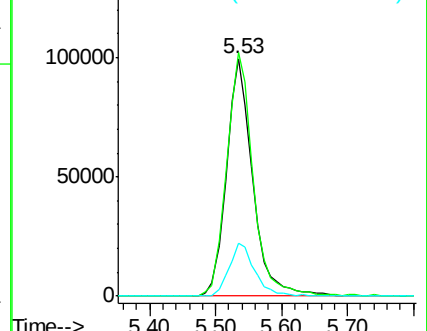
192 22.3 16.9 25.3

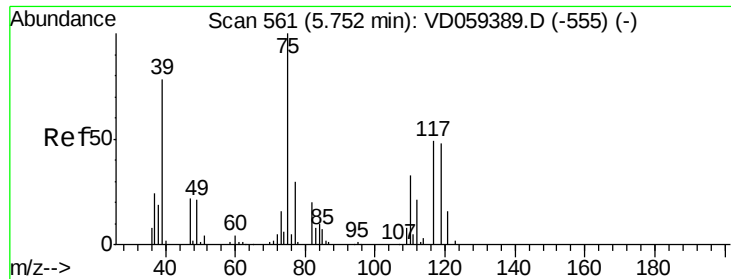


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.19 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

ClientSampleId :

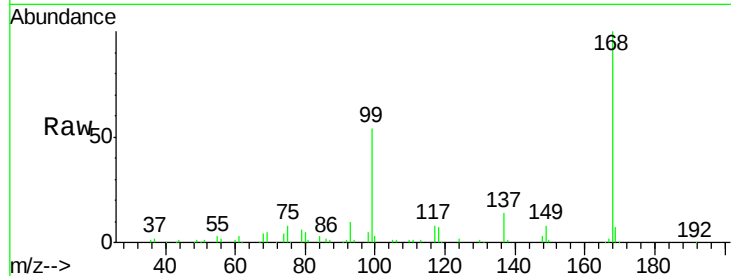
Tot Ion: 75 Resp: 46414

Ion Ratio Lower Upper

75 100

110 10.5 16.1 48.2#

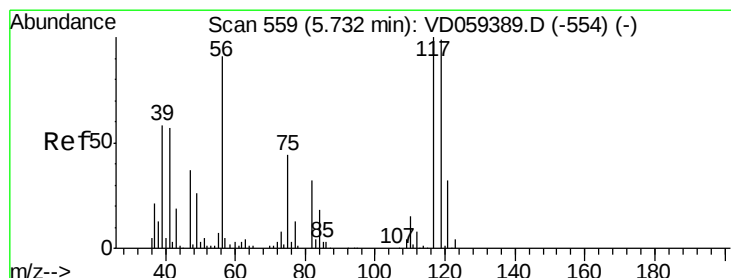
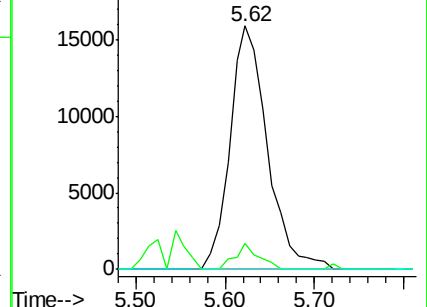
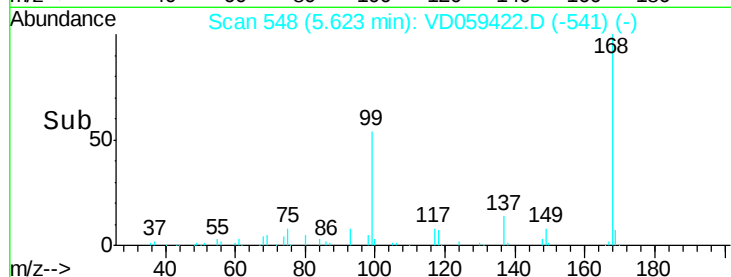
77 0.0 23.4 35.2#



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: 6.32 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

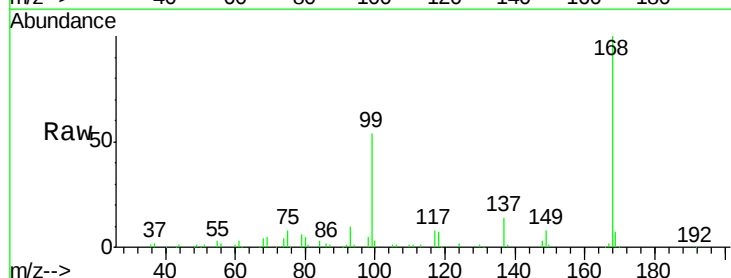
Tgt Ion: 117 Resp: 48820

Ion Ratio Lower Upper

117 100

119 5.3 76.6 115.0#

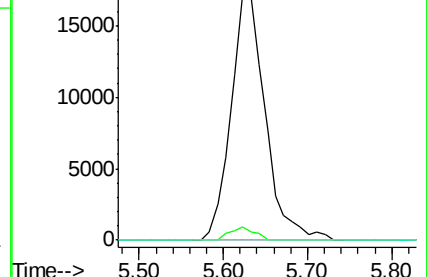
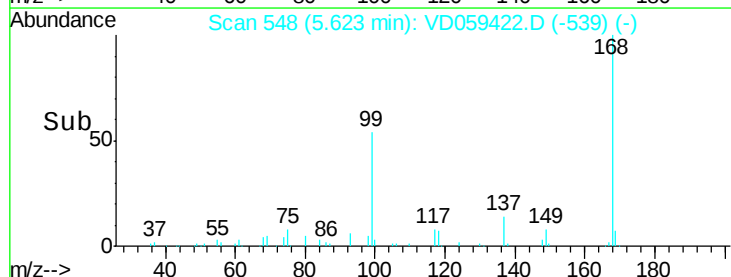
121 0.0 25.0 37.4#

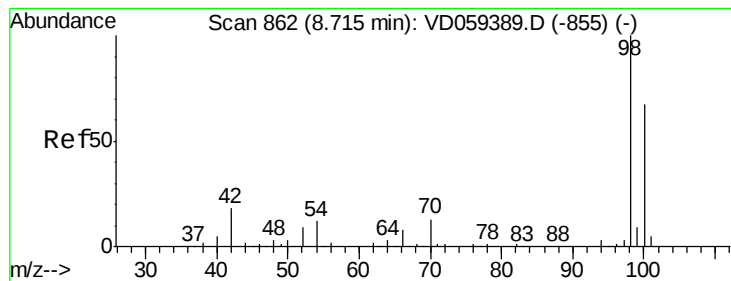


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

Instrument :

MSVOA_D

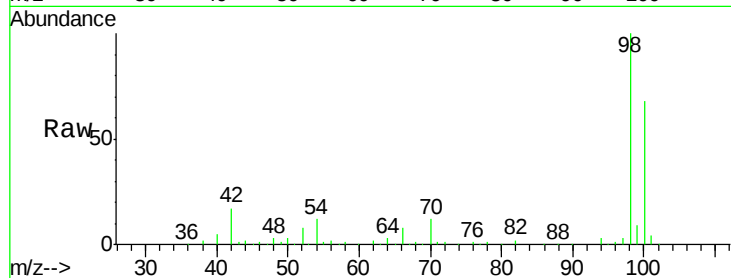
ClientSampleId :

Tot Ion: 98 Resp: 583040

Ion Ratio Lower Upper

98 100

100 68.2 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

8.69

250000

200000

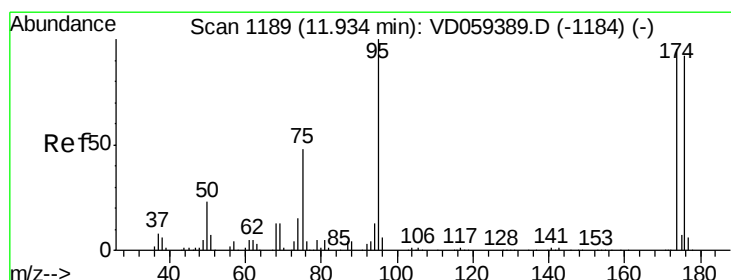
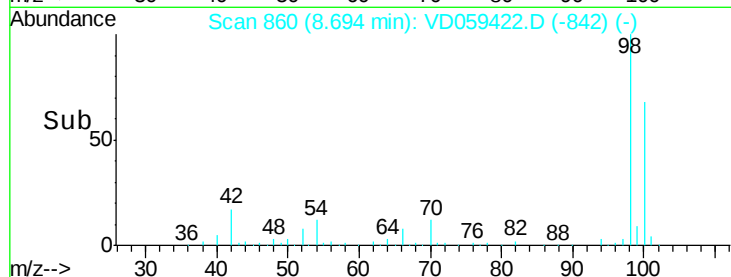
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059422.D

Acq: 26 Jun 2018 13:48

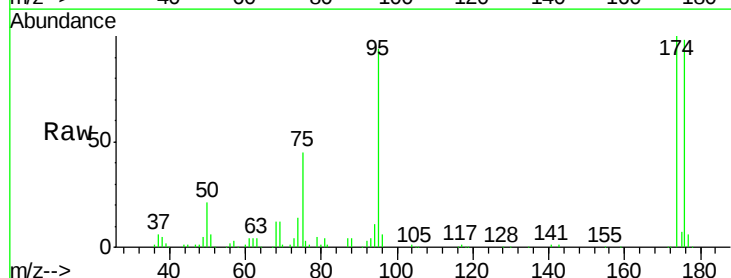
Tgt Ion: 95 Resp: 249445

Ion Ratio Lower Upper

95 100

174 106.4 0.0 190.4

176 104.6 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD059389.D (-1184) (-)

Ion 173.90 (173.60 to 174.60): VD059389.D (-1184) (-)

Ion 175.90 (175.60 to 176.60): VD059389.D (-1184) (-)

11.92

250000

200000

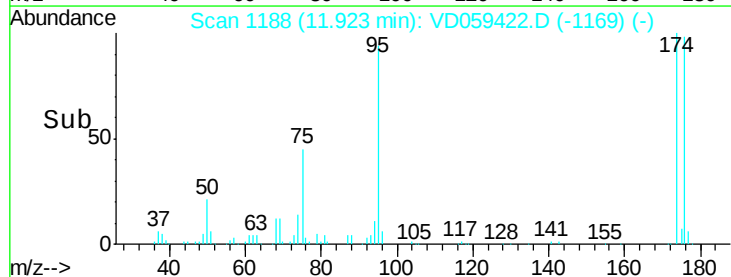
150000

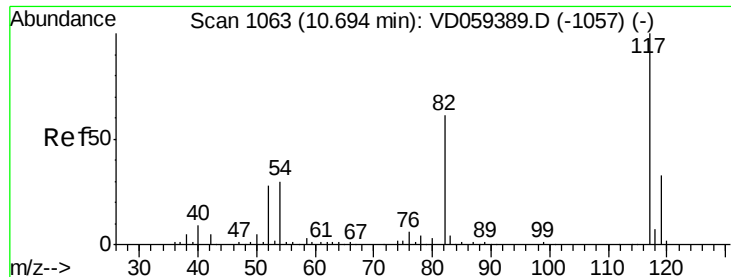
100000

50000

0

Time-->

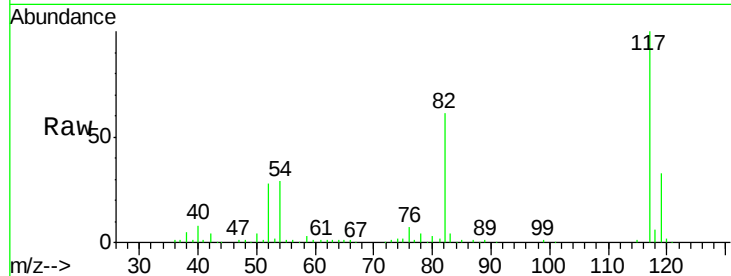




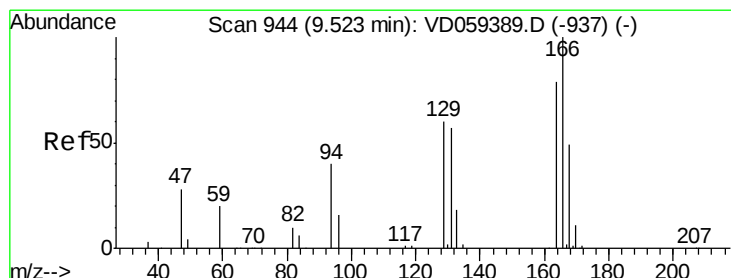
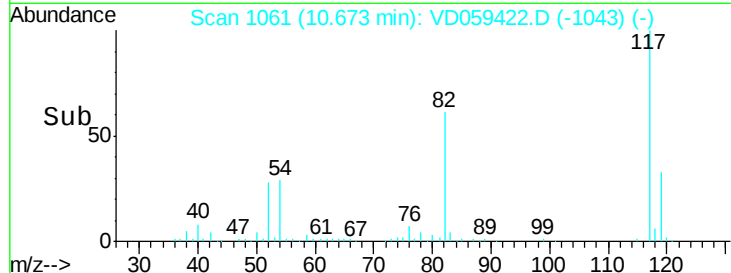
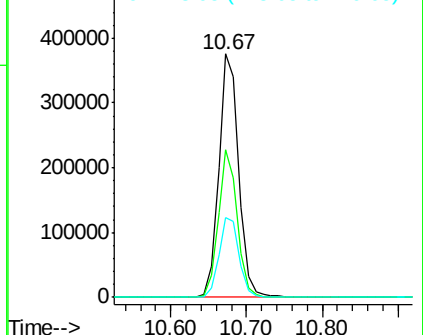
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.67 min Scan# 1061
Delta R.T. -0.02 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 687740
Ion Ratio Lower Upper
117 100
82 60.7 49.0 73.6
119 32.7 26.2 39.4

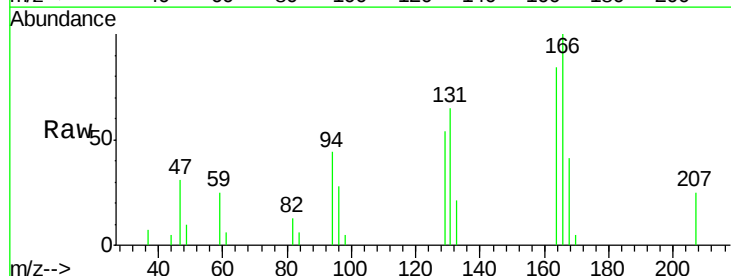


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

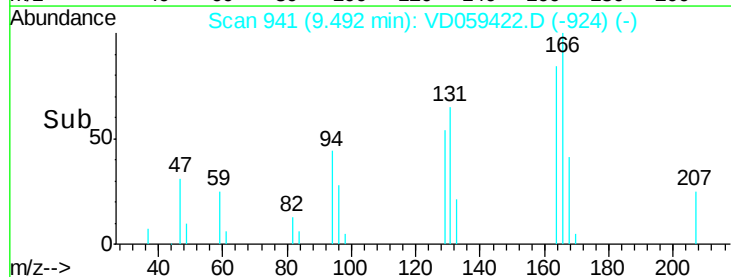
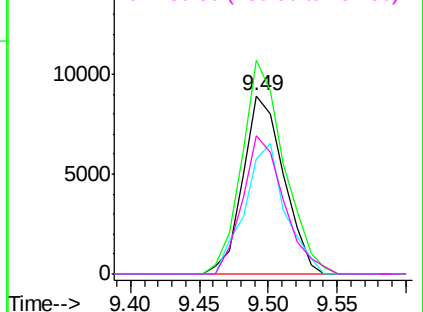


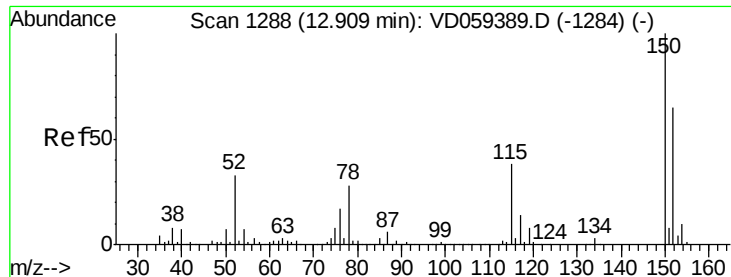
#64
Tetrachloroethene
Concen: 3.06 ug/l
RT: 9.49 min Scan# 941
Delta R.T. -0.03 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Tgt Ion:164 Resp: 18460
Ion Ratio Lower Upper
164 100
166 119.6 101.4 152.2
129 64.5 60.9 91.3
131 77.6 58.2 87.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



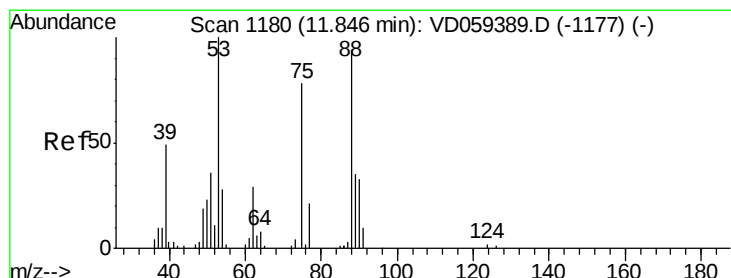
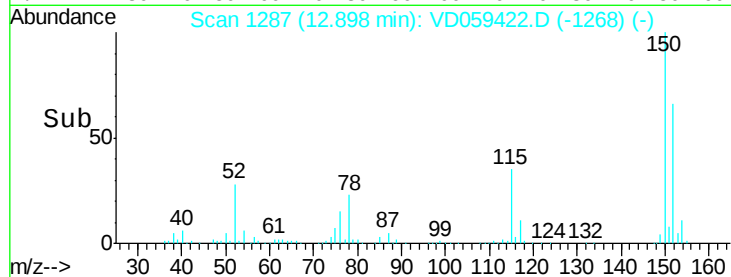
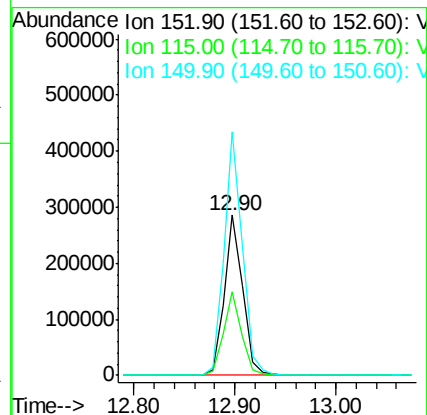
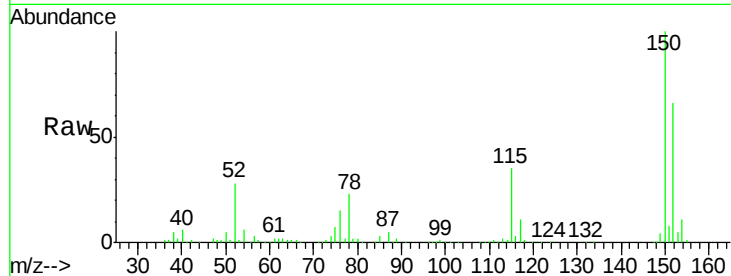


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 363741
Ion Ratio Lower Upper
152 100
115 52.5 29.4 88.3
150 152.0 0.0 308.2



#81

trans-1,4-Dichloro-2-butene
Concen: 108.85 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059422.D
Acq: 26 Jun 2018 13:48

Tgt Ion: 75 Resp: 124133
Ion Ratio Lower Upper
75 100
53 0.0 102.6 154.0#
89 0.0 35.9 53.9#

