

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059424.D
 Acq On : 26 Jun 2018 15:27
 Operator : VA/AP
 Sample : J3240-05
 Misc : 7.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:51:28 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	665850	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.69	114	792576	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	529615	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	228896	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	276688	40.63	ug/l	-0.02
Spiked Amount						
			Recovery	=	81.26%	
35) Dibromofluoromethane	5.53	113	290248	44.96	ug/l	-0.02
Spiked Amount						
			Recovery	=	89.92%	
50) Toluene-d8	8.69	98	448033	29.69	ug/l	-0.02
Spiked Amount						
			Recovery	=	59.38%	
62) 4-Bromofluorobenzene	11.92	95	208131	33.15	ug/l	-0.01
Spiked Amount						
			Recovery	=	66.30%	

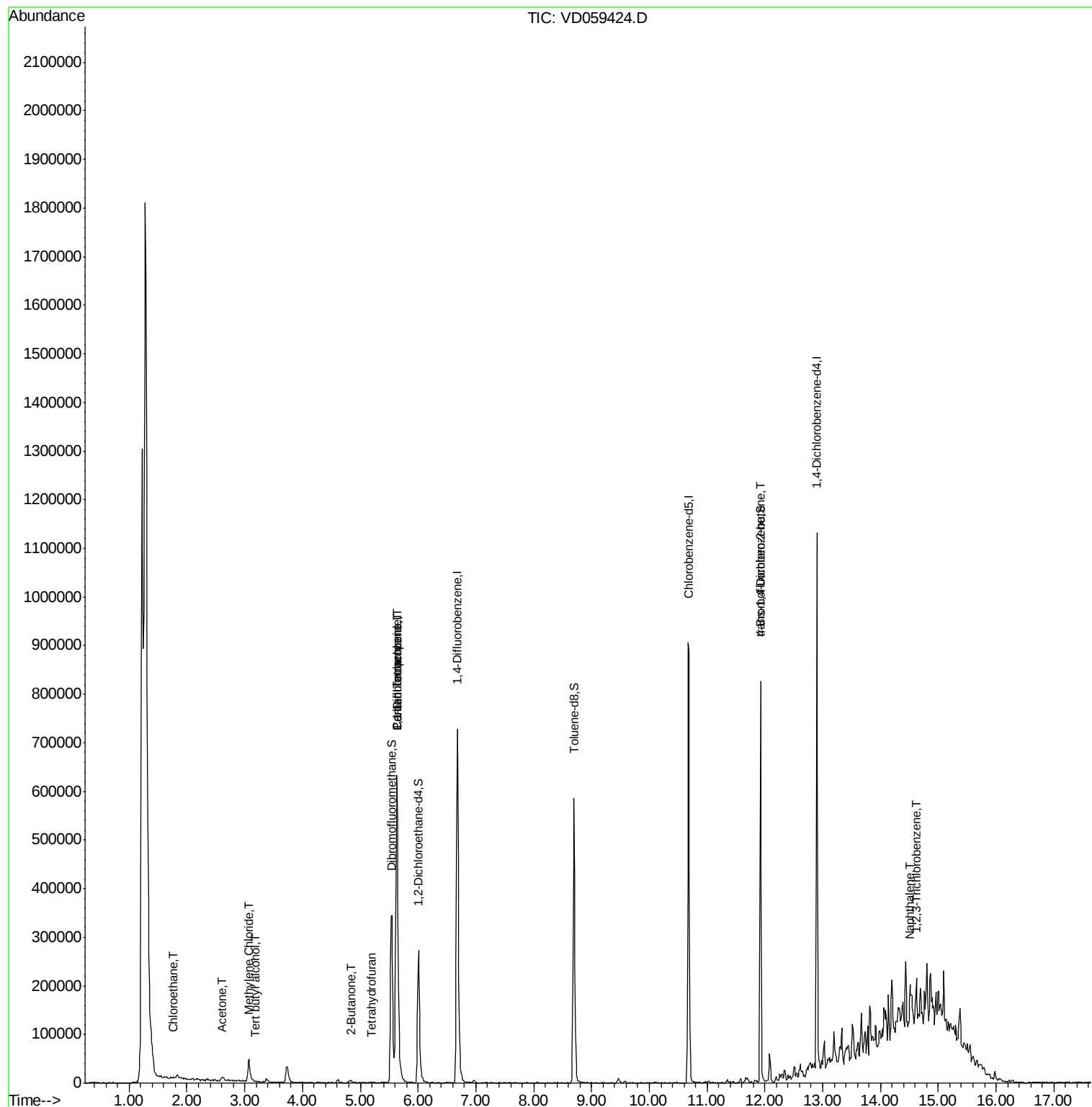
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.82	94	363	Below Cal	#	4
6) Chloroethane	1.76	64	224	2.050	ug/l #	41
11) Tert butyl alcohol	3.19	59	558	2.369	ug/l #	72
16) Acetone	2.61	43	18099	21.060	ug/l #	88
18) Methyl Acetate	2.94	43	3674	Below Cal	#	66
20) Methylene Chloride	3.06	84	21426	6.836	ug/l	85
25) 2-Butanone	4.83	43	2032	1.129	ug/l #	57
29) Tetrahydrofuran	5.20	42	1526	1.550	ug/l #	37
31) Cyclohexane	5.62	56	13457	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	51498	7.163	ug/l #	51
38) Carbon Tetrachloride	5.62	117	55220	7.449	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	97889	136.408	ug/l #	1
95) Naphthalene	14.51	128	22830	3.124	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.63	180	4718	1.001	ug/l #	1

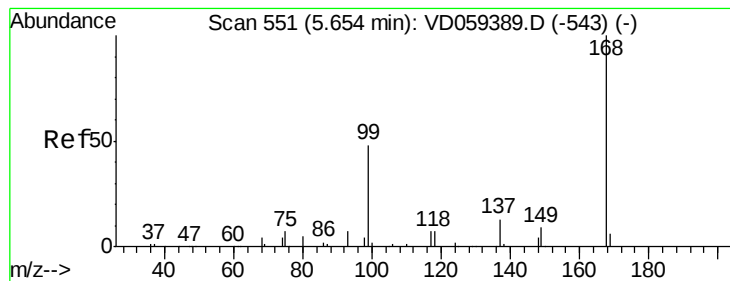
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062618\
Data File : VD059424.D
Acq On : 26 Jun 2018 15:27
Operator : VA/AP
Sample : J3240-05
Misc : 7.00µl/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 27 05:51:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

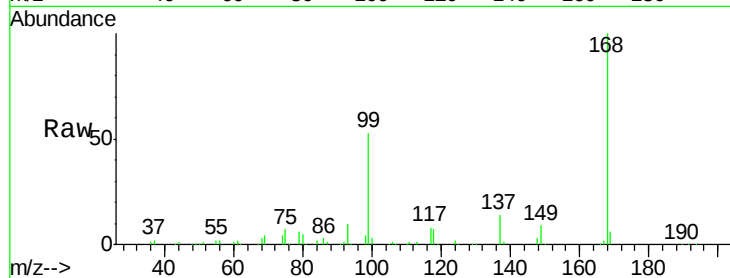
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 665850

Ion Ratio Lower Upper

168 100

99 53.1 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

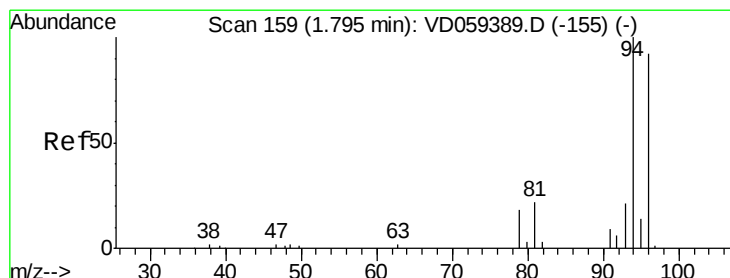
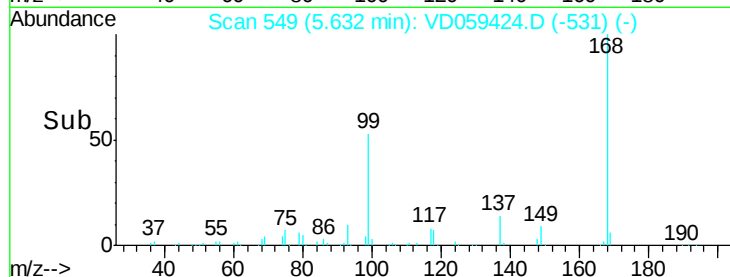
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.82 min Scan# 162

Delta R.T. 0.03 min

Lab File: VD059424.D

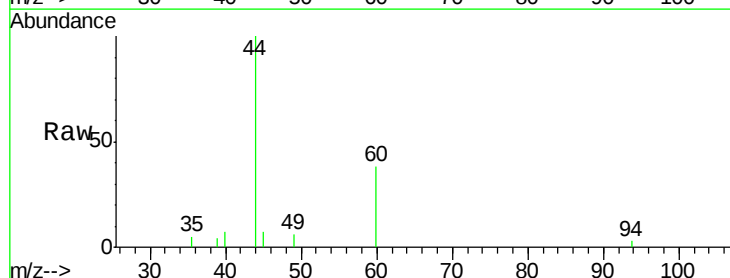
Acq: 26 Jun 2018 15:27

Tgt Ion: 94 Resp: 363

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

1.82

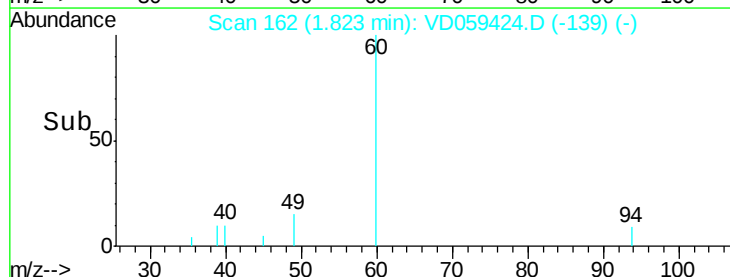
300

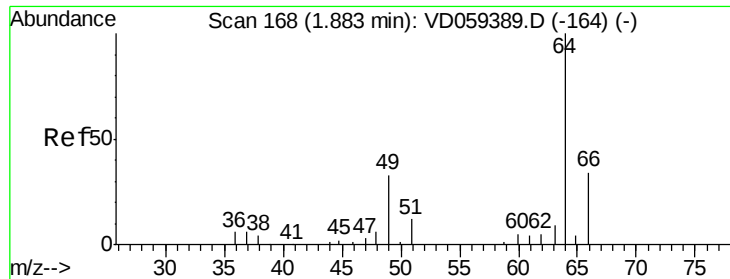
200

100

0

Time-->





#6

Chloroethane

Concen: 2.050 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.12 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

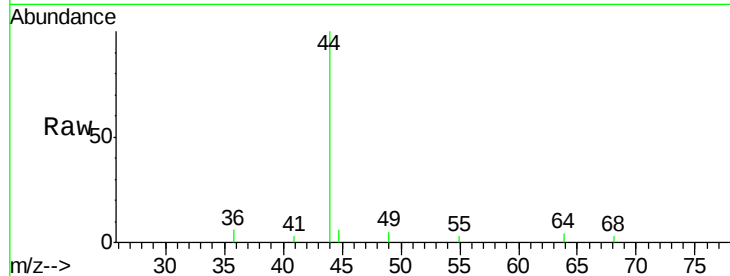
ClientSampleId :

Tot Ion: 64 Resp: 224

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.76

400

300

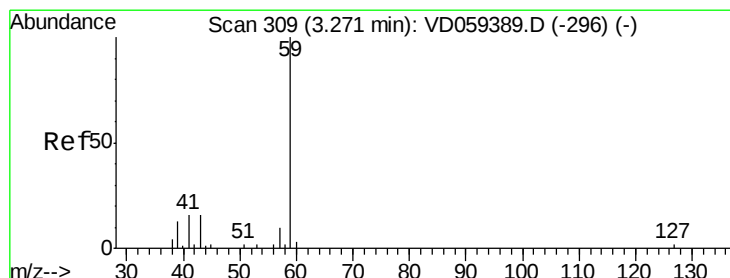
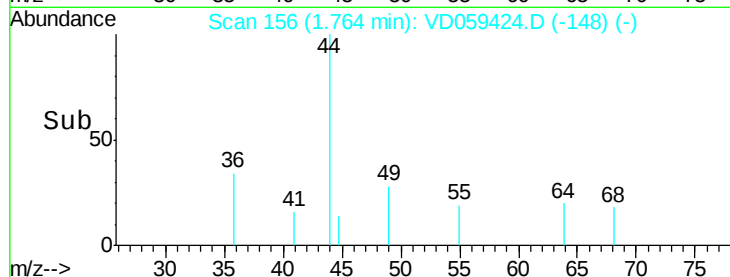
200

100

0

1.74 1.76 1.78

Time-->



#11

Tert butyl alcohol

Concen: 2.369 ug/l

RT: 3.19 min Scan# 301

Delta R.T. -0.08 min

Lab File: VD059424.D

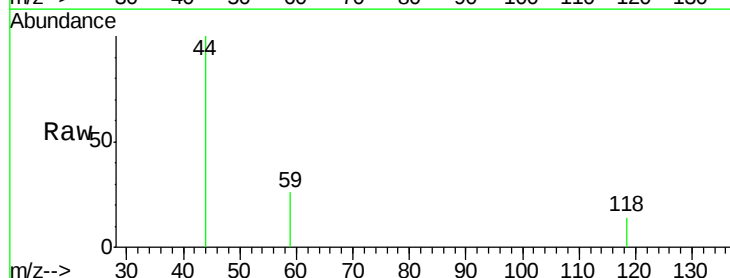
Acq: 26 Jun 2018 15:27

Tgt Ion: 59 Resp: 558

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.19

600

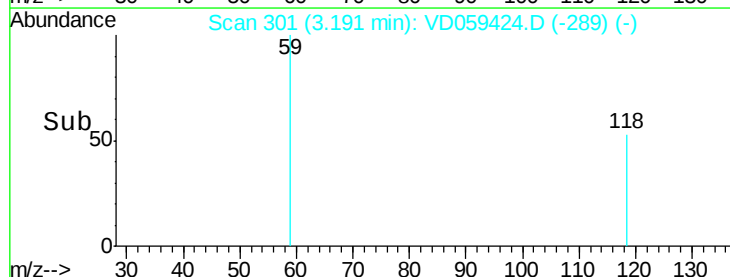
400

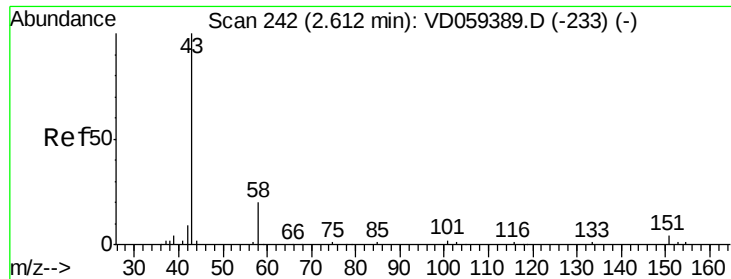
200

0

3.16 3.18 3.20 3.22

Time-->

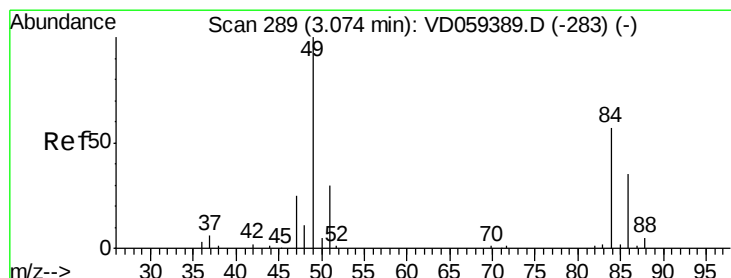
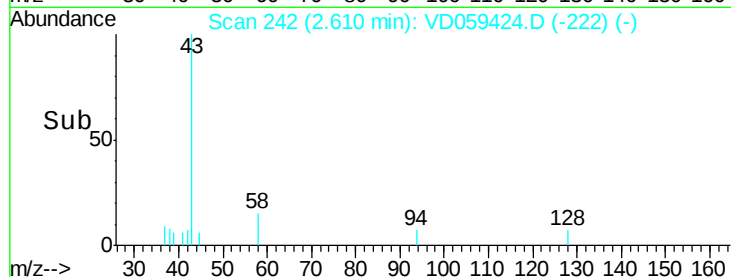
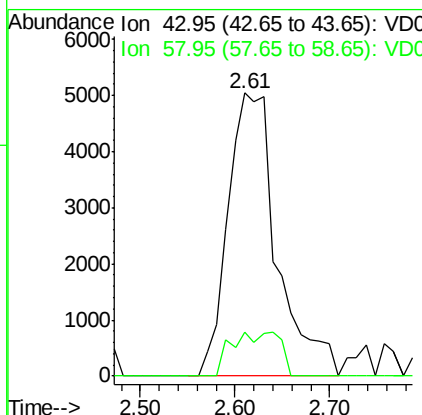
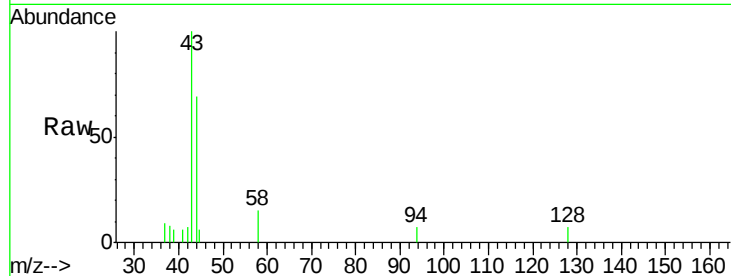




#16
Acetone
Concen: 21.060 ug/l
RT: 2.61 min Scan# 242
Delta R.T. -0.00 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

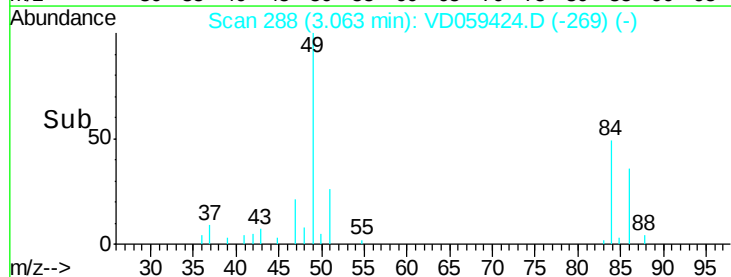
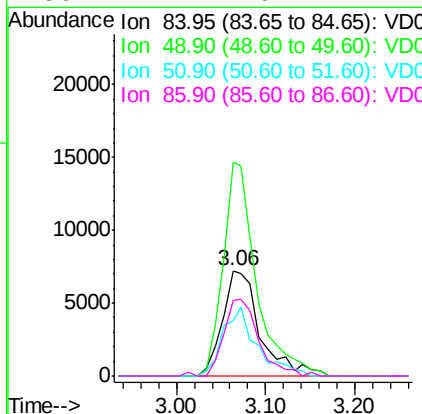
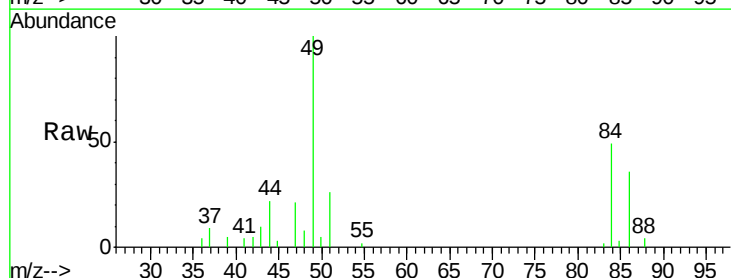
Instrument :
MSVOA_D
ClientSampleId :

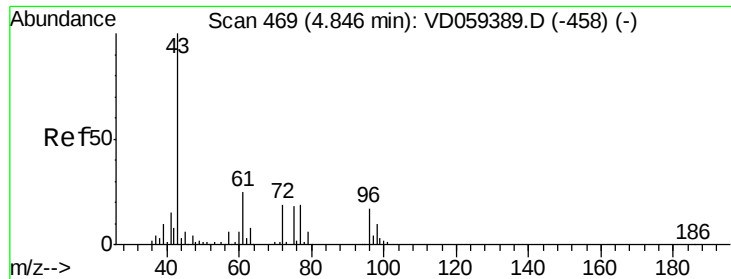
Tot Ion: 43 Resp: 18099
Ion Ratio Lower Upper
43 100
58 15.3 16.8 25.2#



#20
Methylene Chloride
Concen: 6.836 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 84 Resp: 21426
Ion Ratio Lower Upper
84 100
49 203.2 140.3 210.5
51 52.6 41.6 62.4
86 72.2 49.4 74.2





#25

2-Butanone

Concen: 1.129 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

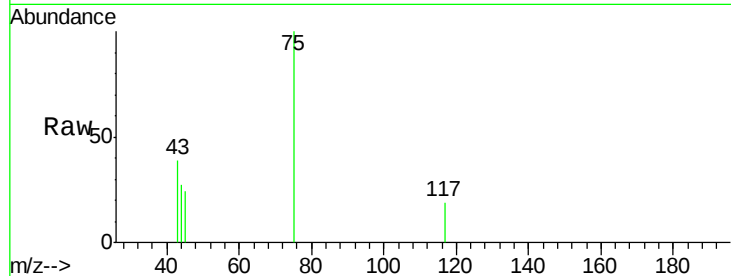
ClientSampleId :

Tot Ion: 43 Resp: 2032

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.83

800

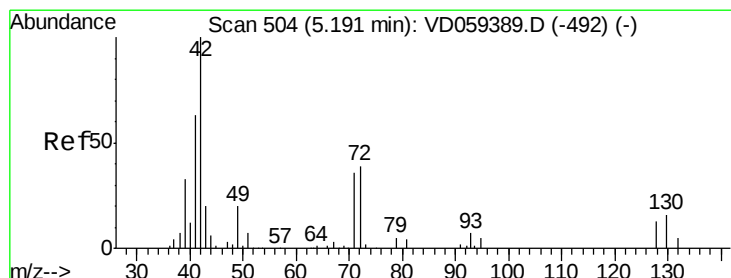
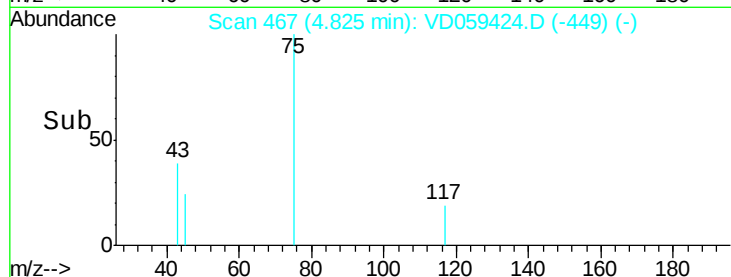
600

400

200

0

Time--> 4.75 4.80 4.85 4.90



#29

Tetrahydrofuran

Concen: 1.550 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

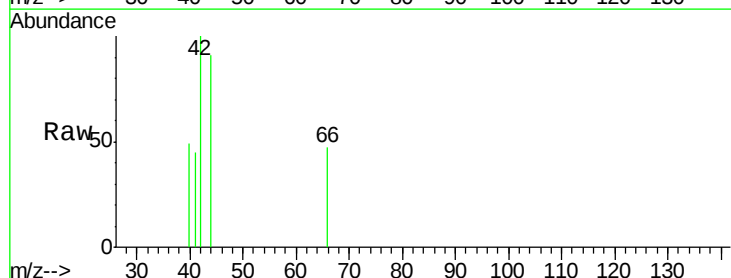
Tgt Ion: 42 Resp: 1526

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

71 0.0 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

5.20

800

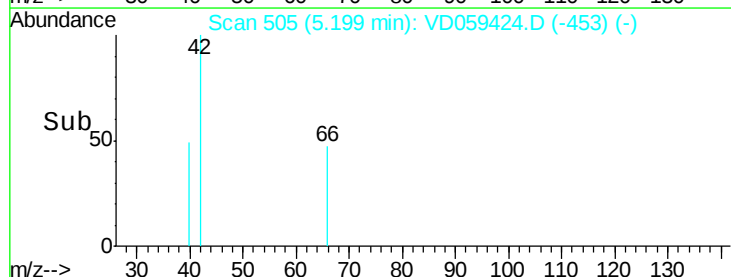
600

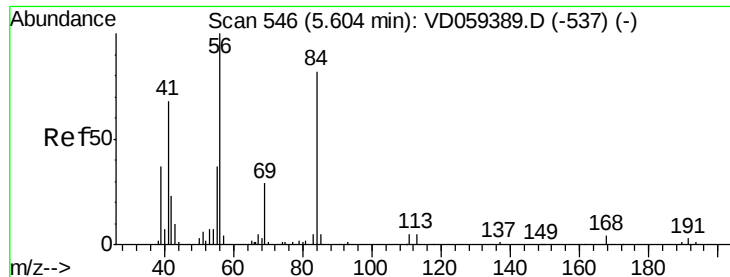
400

200

0

Time--> 5.15 5.20 5.25

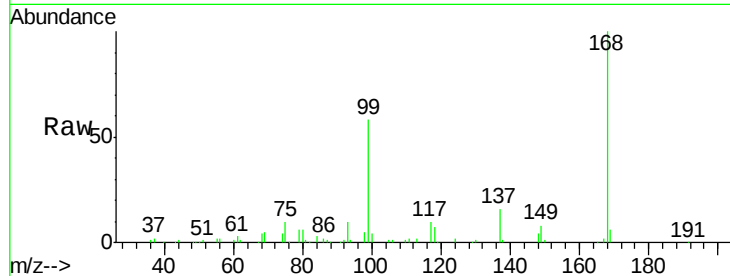




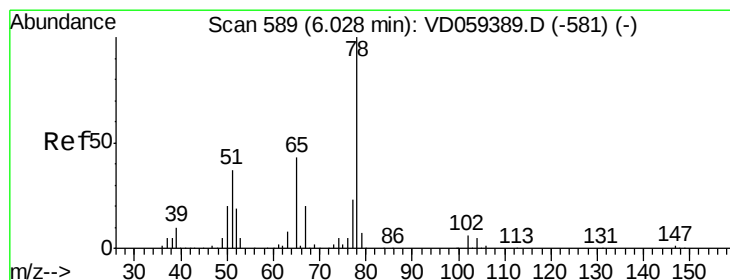
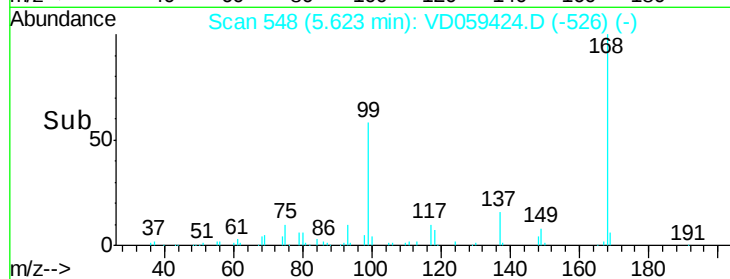
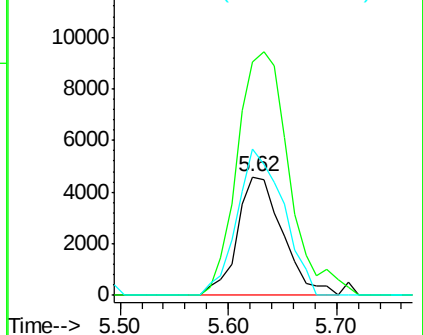
#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 13457
Ion Ratio Lower Upper
56 100
69 197.5 22.9 34.3#
84 123.3 67.3 100.9#

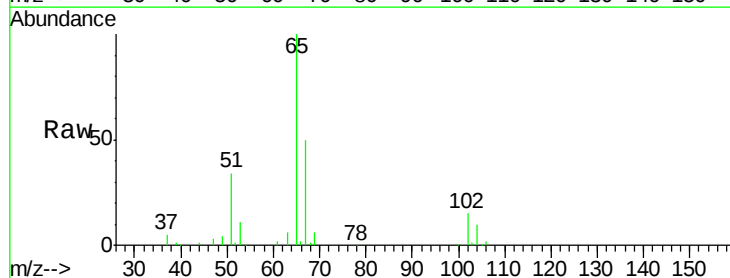


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

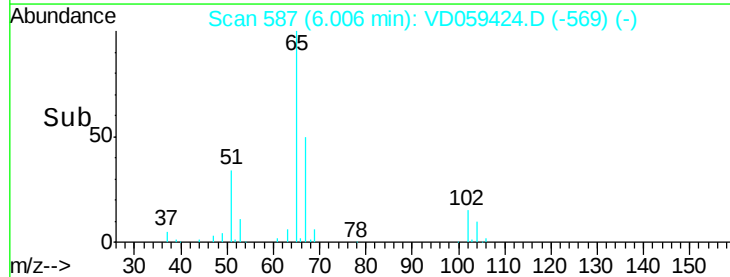
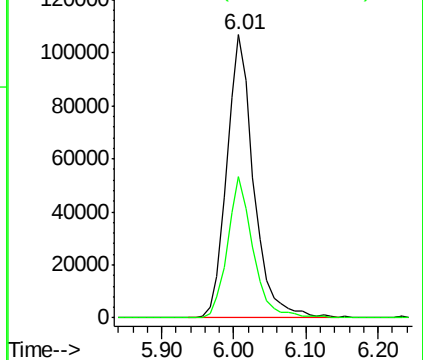


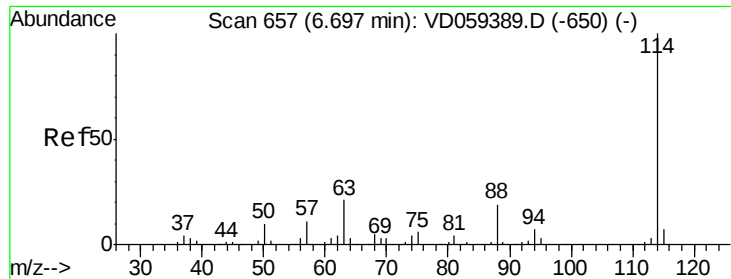
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.01 min Scan# 587
Delta R.T. -0.02 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

Tgt Ion: 65 Resp: 276688
Ion Ratio Lower Upper
65 100
67 50.1 0.0 93.8



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

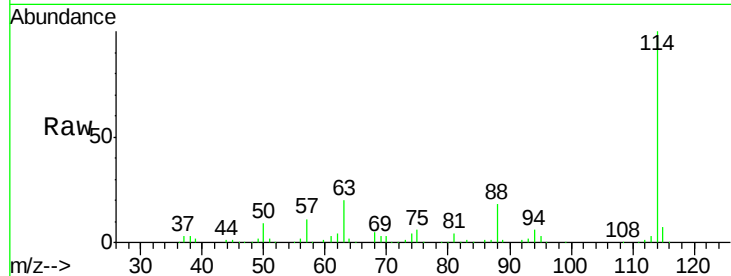




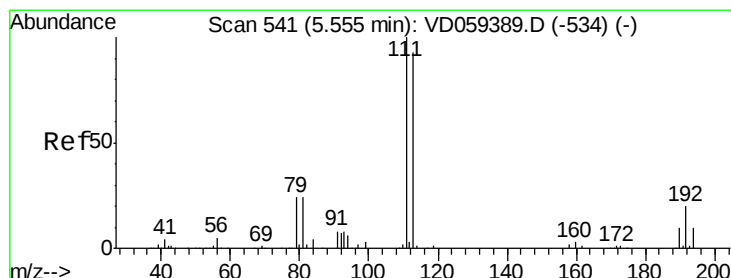
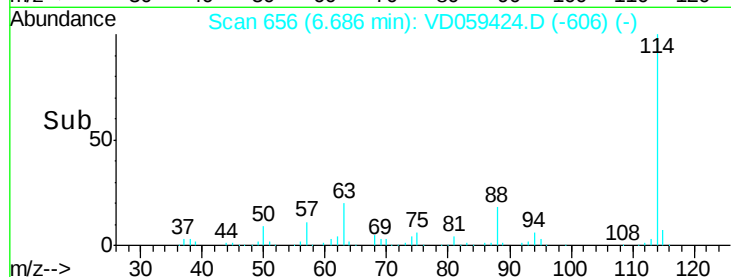
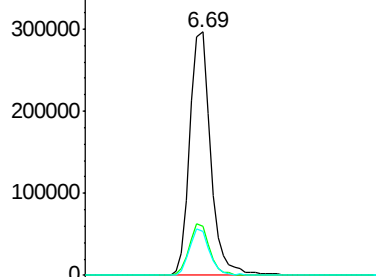
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 792576
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.4
88 18.1 0.0 38.0

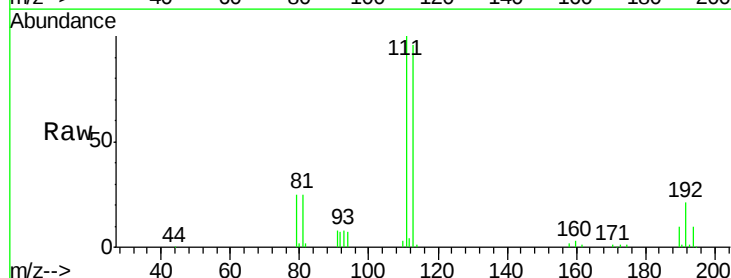


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

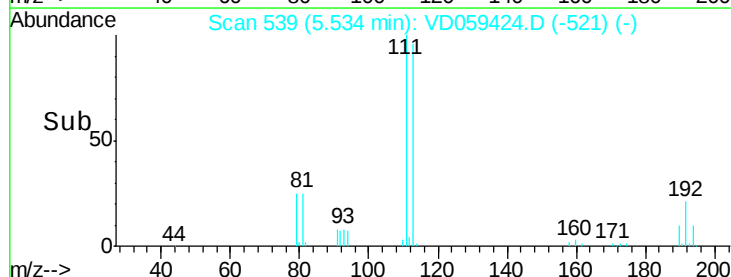
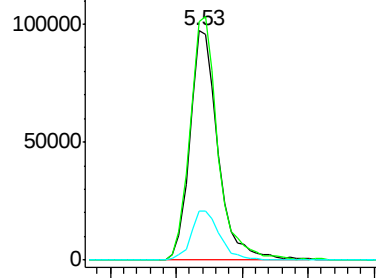


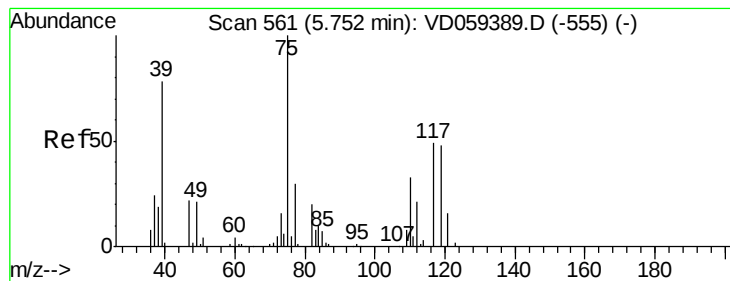
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.02 min
Lab File: VD059424.D
Acq: 26 Jun 2018 15:27

Tgt Ion:113 Resp: 290248
Ion Ratio Lower Upper
113 100
111 103.8 85.7 128.5
192 21.6 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: 7.163 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

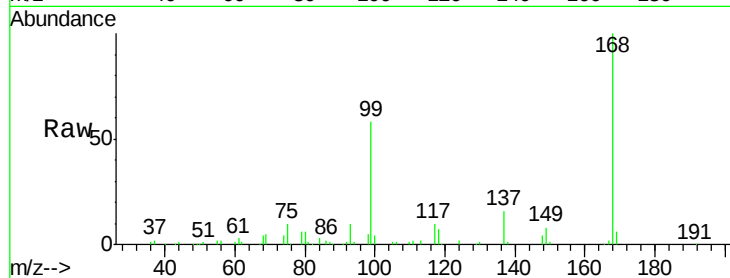
Tot Ion: 75 Resp: 51498

Ion Ratio Lower Upper

75 100

110 7.3 16.1 48.2#

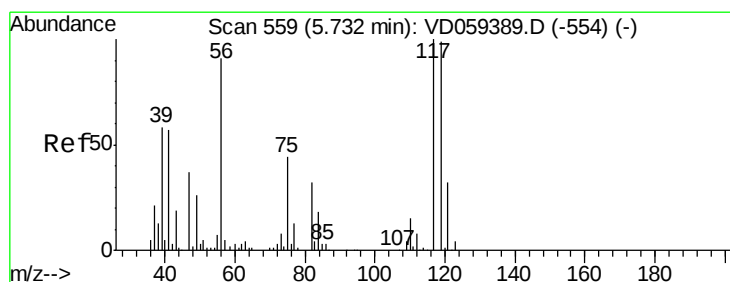
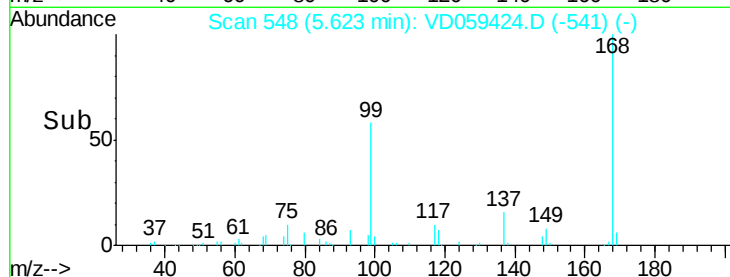
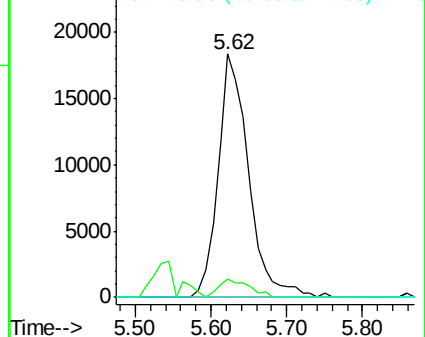
77 0.0 23.4 35.2#



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: 7.449 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

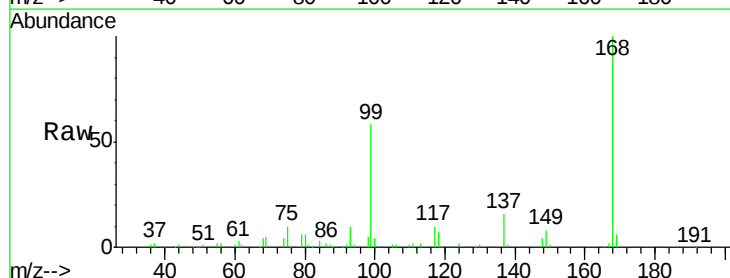
Tgt Ion: 117 Resp: 55220

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

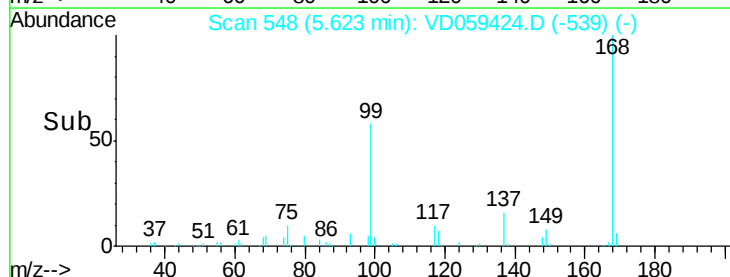
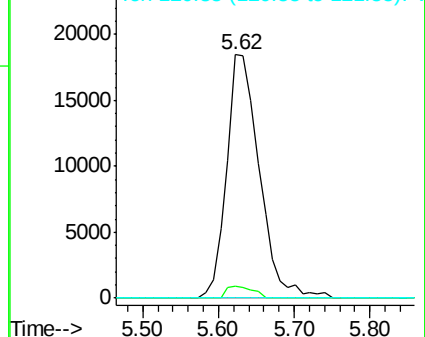
121 0.0 25.0 37.4#

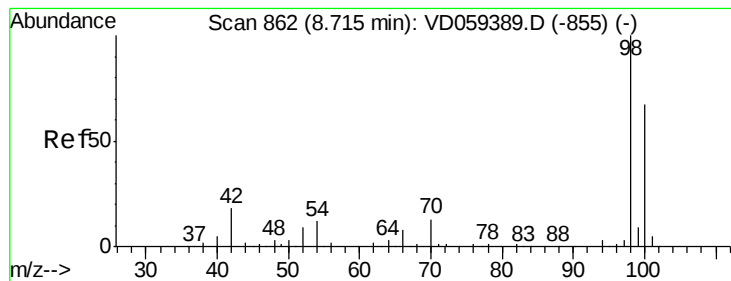


Abundance Ion 116.85 (116.55 to 117.55): V

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: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

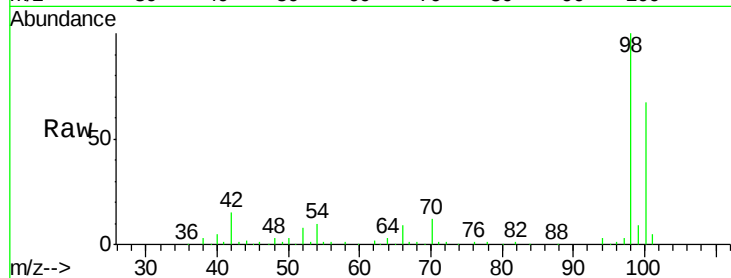
ClientSampleId :

Tot Ion: 98 Resp: 448033

Ion Ratio Lower Upper

98 100

100 67.2 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

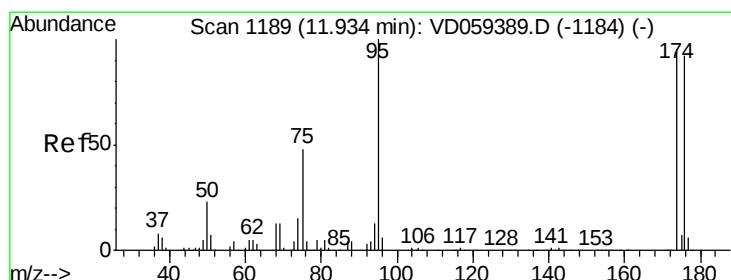
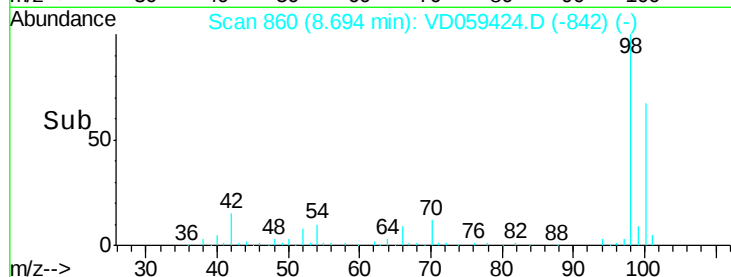
150000

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: VD059424.D

Acq: 26 Jun 2018 15:27

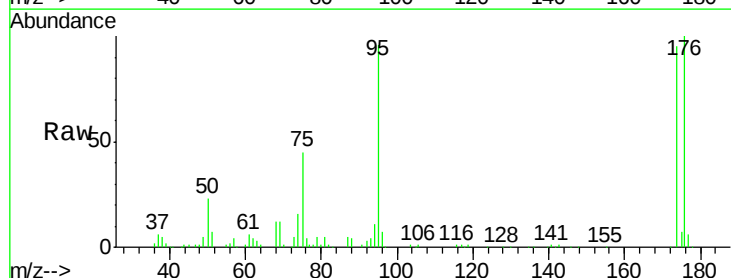
Tgt Ion: 95 Resp: 208131

Ion Ratio Lower Upper

95 100

174 99.0 0.0 190.4

176 103.8 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) (-)

200000

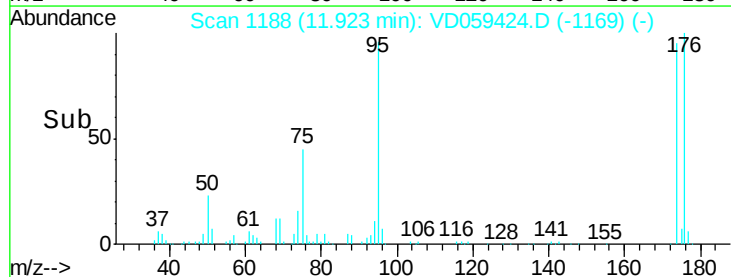
150000

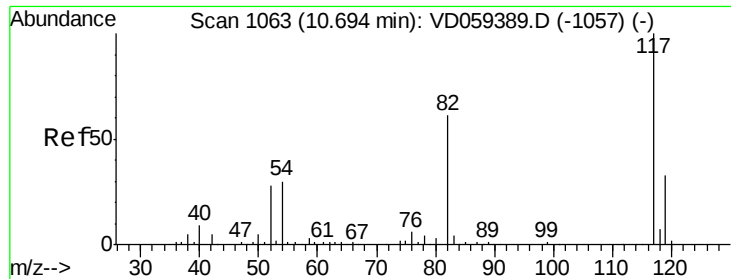
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

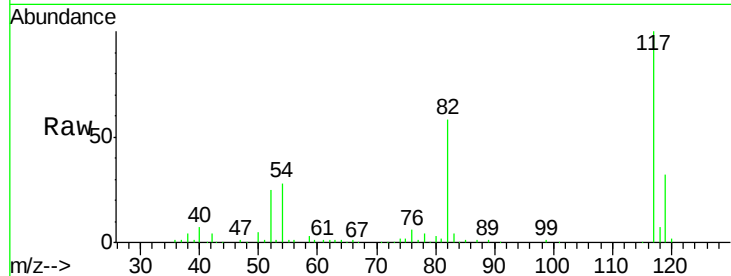
Tot Ion:117 Resp: 529615

Ion Ratio Lower Upper

117 100

82 58.0 49.0 73.6

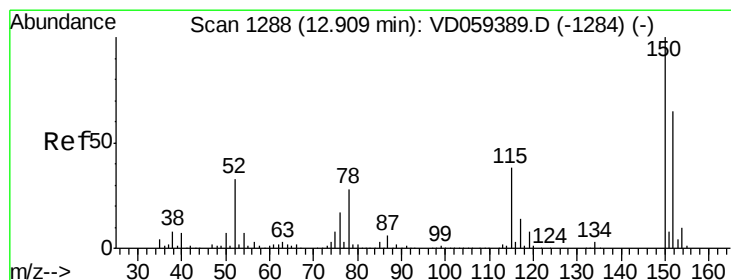
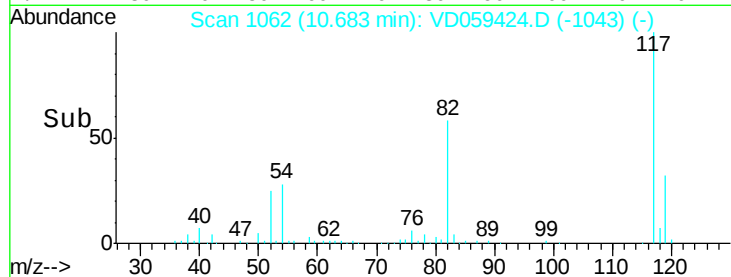
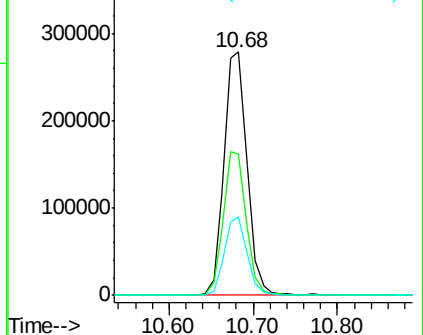
119 32.5 26.2 39.4



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: 12.90 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

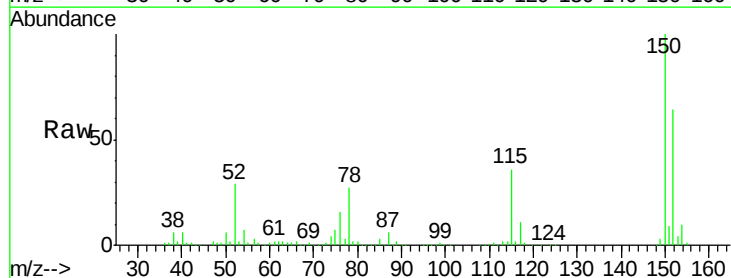
Tgt Ion:152 Resp: 228896

Ion Ratio Lower Upper

152 100

115 55.7 29.4 88.3

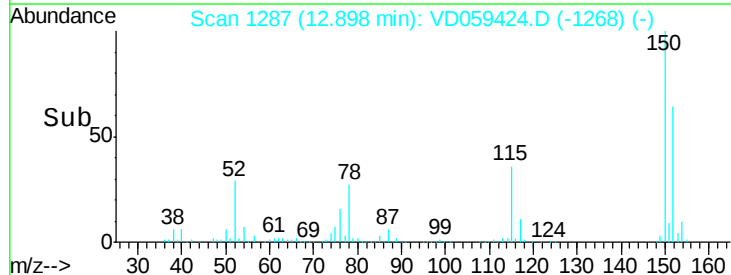
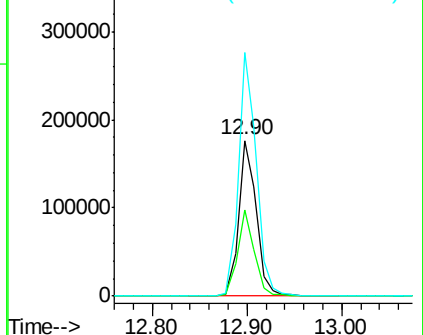
150 156.6 0.0 308.2

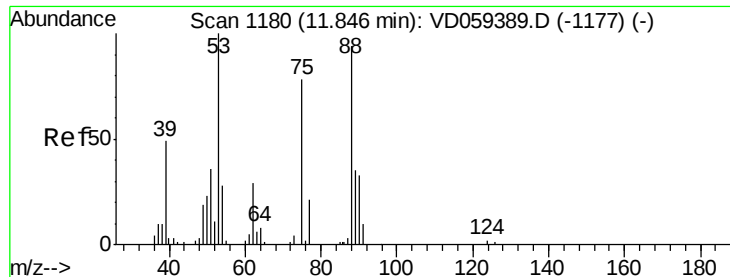


Abundance Ion 151.90 (151.60 to 152.60): V

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: 136.408 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

Instrument :

MSVOA_D

ClientSampleId :

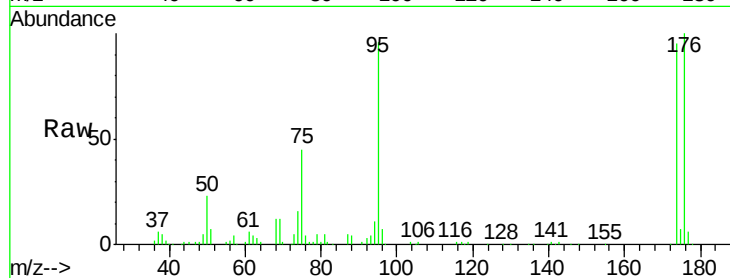
Tot Ion: 75 Resp: 97889

Ion Ratio Lower Upper

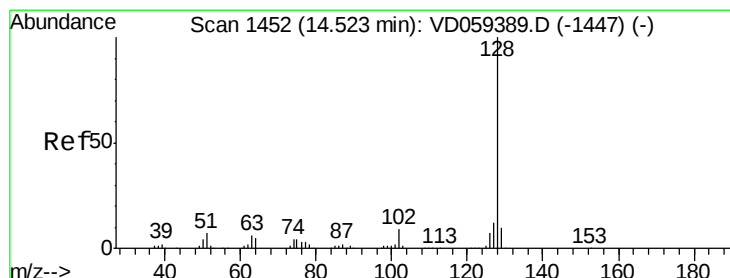
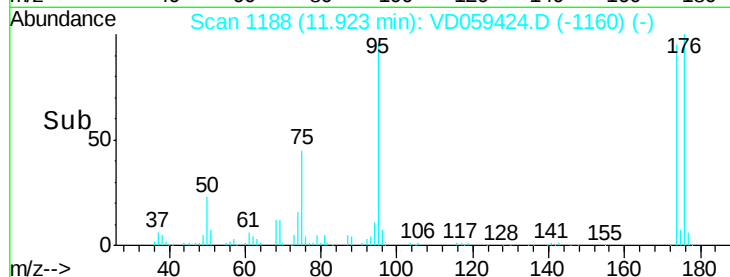
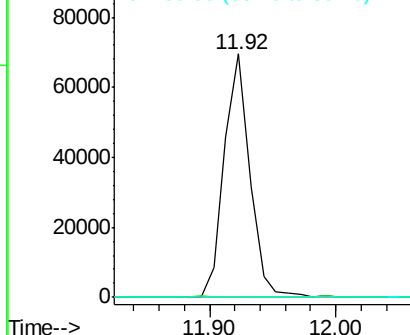
75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



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



#95

Naphthalene

Concen: 3.124 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD059424.D

Acq: 26 Jun 2018 15:27

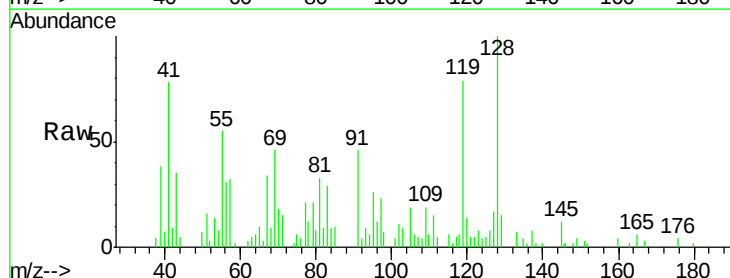
Tgt Ion:128 Resp: 22830

Ion Ratio Lower Upper

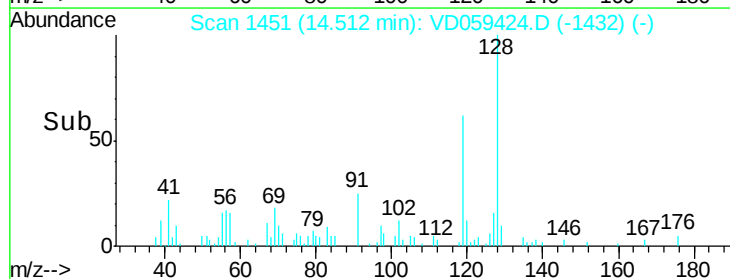
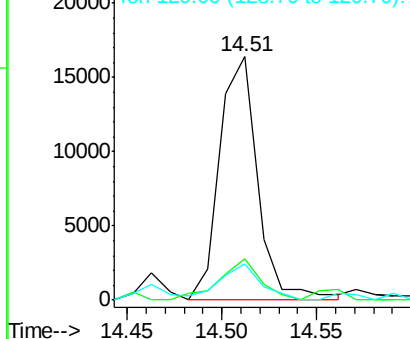
128 100

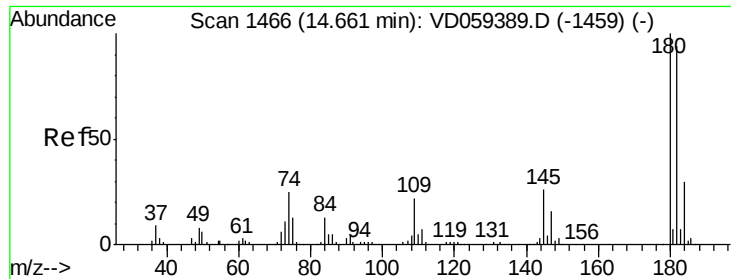
127 17.1 9.6 14.4#

129 15.1 8.2 12.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.001 ug/l
 RT: 14.63 min Scan# 1463
 Delta R.T. -0.03 min
 Lab File: VD059424.D
 Acq: 26 Jun 2018 15:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 4718
 Ion Ratio Lower Upper
 180 100
 182 26.9 47.1 141.4#
 145 212.3 13.1 39.3#

