

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059471.D
 Acq On : 28 Jun 2018 19:14
 Operator : VA/AP
 Sample : J3629-16RE
 Misc : 6.60g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:28:10 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	5.64	168	562865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	747340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	595306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	269906	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	374647	65.09	ug/l	0.00
Spiked Amount			Recovery	=	130.18%	
35) Dibromofluoromethane	5.56	113	385860	63.39	ug/l	0.00
Spiked Amount			Recovery	=	126.78%	
50) Toluene-d8	8.72	98	801690	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	11.93	95	321743	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	

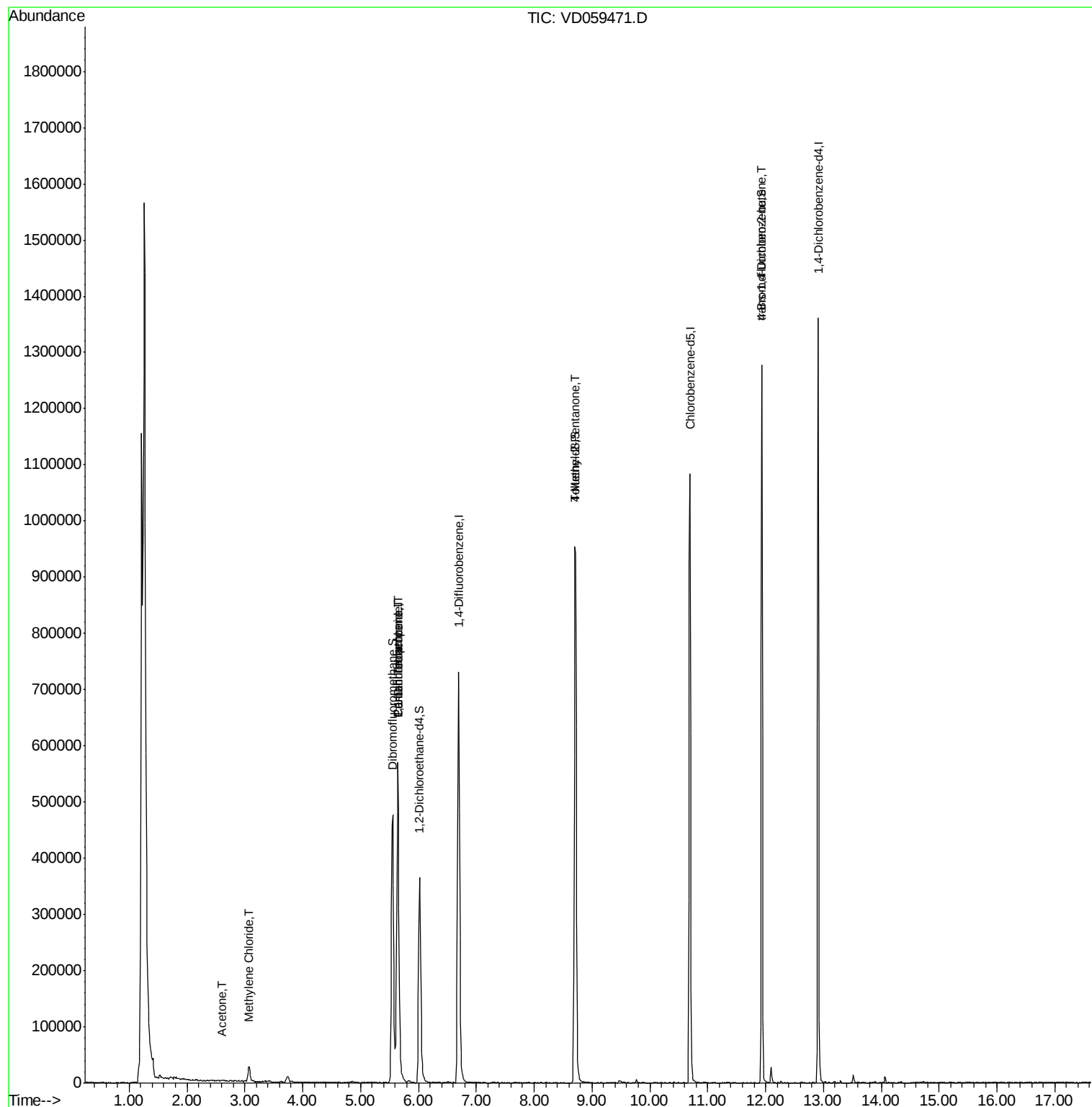
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.79	94	230	Below Cal	#	4
16) Acetone	2.62	43	2759	3.798	ug/l #	55
18) Methyl Acetate	2.95	43	1302	Below Cal	#	66
20) Methylene Chloride	3.06	84	12044	3.666	ug/l #	90
31) Cyclohexane	5.64	56	12137	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	46596	6.873	ug/l #	52
38) Carbon Tetrachloride	5.64	117	45538	6.515	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	5213	1.509	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	153213	181.062	ug/l #	1

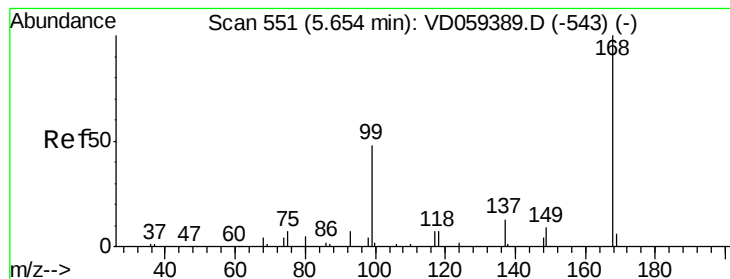
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

Instrument :

MSVOA_D

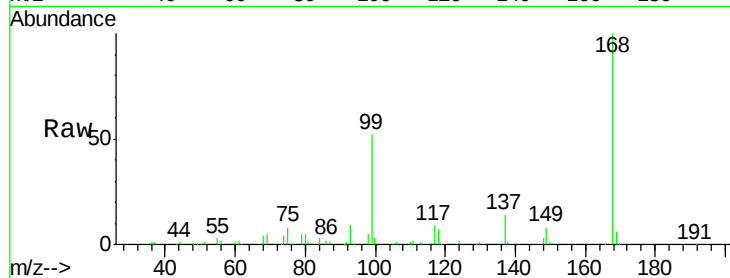
ClientSampleId :

Tot Ion:168 Resp: 562865

Ion Ratio Lower Upper

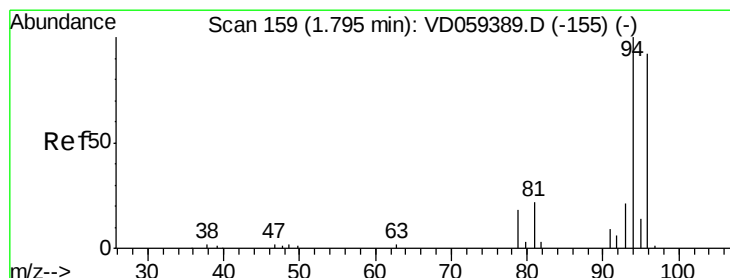
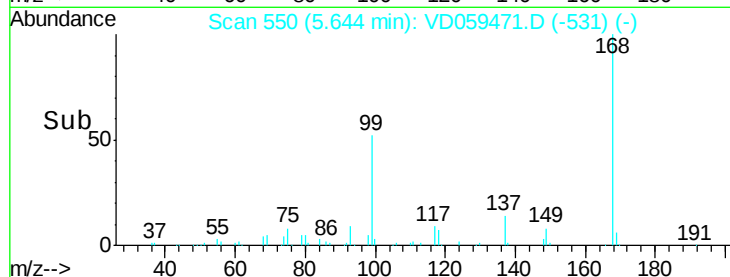
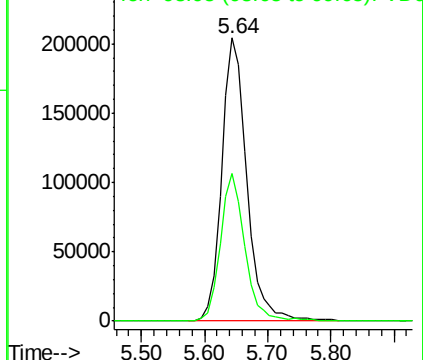
168 100

99 52.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD059471.D

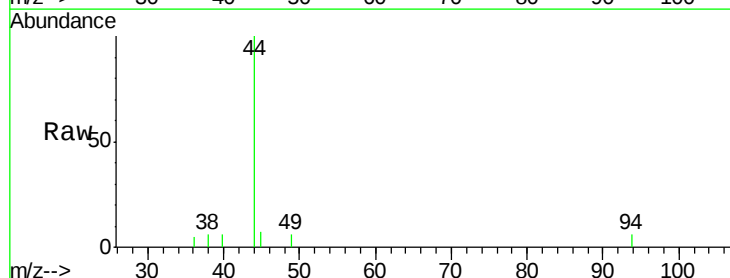
Acq: 28 Jun 2018 19:14

Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

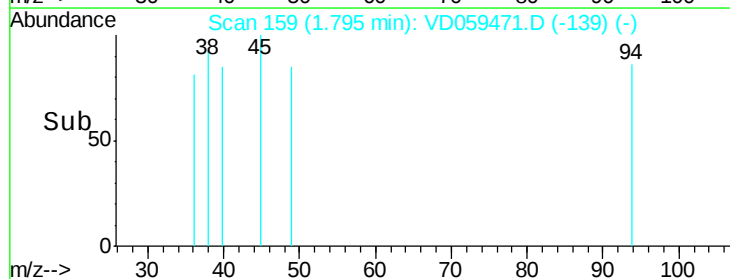
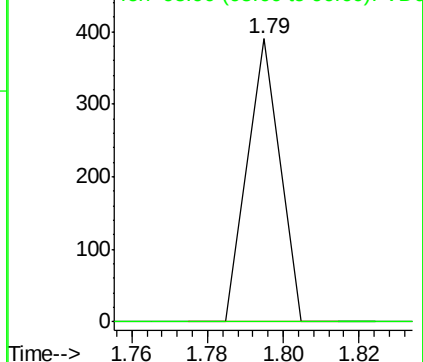
94 100

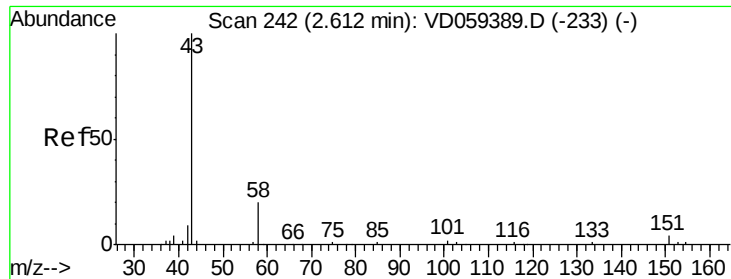
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 3.798 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

Instrument :

MSVOA_D

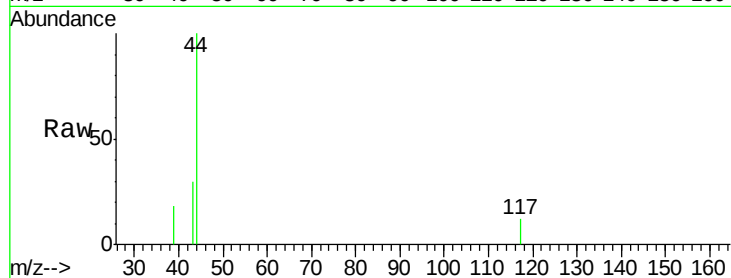
ClientSampleId :

Tot Ion: 43 Resp: 2759

Ion Ratio Lower Upper

43 100

58 0.0 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.62

800

600

400

200

0

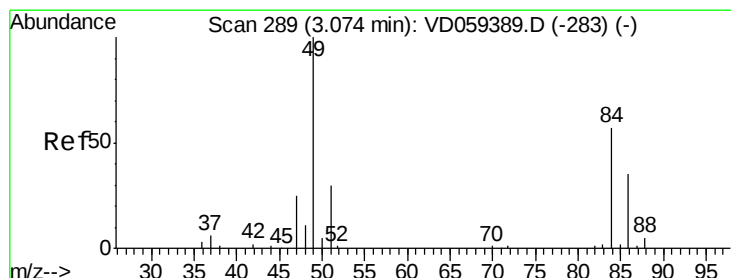
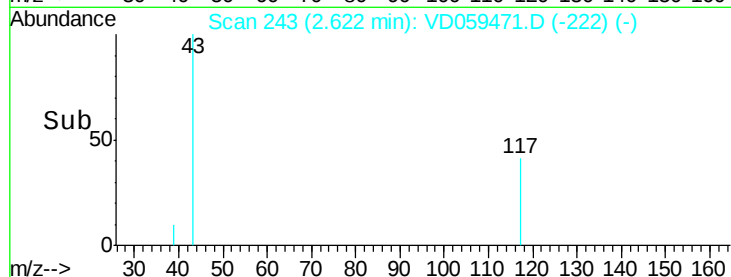
2.55

2.60

2.65

2.70

Time-->



#20

Methylene Chloride

Concen: 3.666 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

Tgt Ion: 84 Resp: 12044

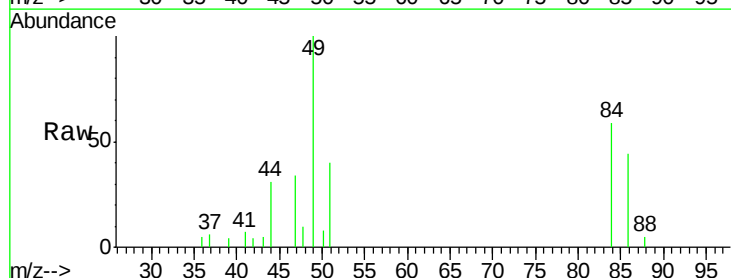
Ion Ratio Lower Upper

84 100

49 169.3 140.3 210.5

51 67.5 41.6 62.4#

86 73.9 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

12000

10000

8000

6000

4000

2000

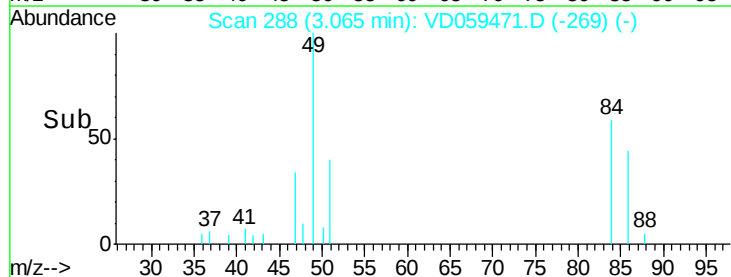
0

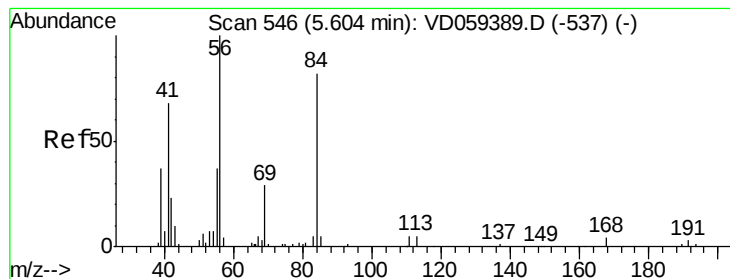
3.00

3.10

3.20

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

Instrument :

MSVOA_D

ClientSampleId :

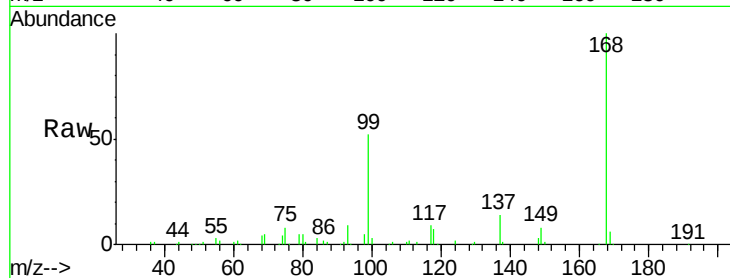
Tot Ion: 56 Resp: 12137

Ion Ratio Lower Upper

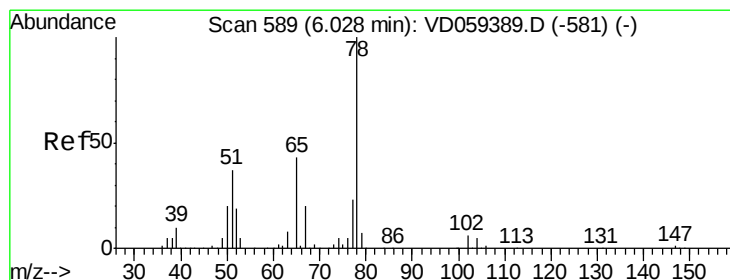
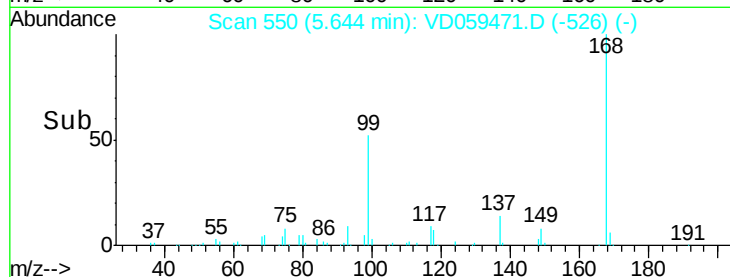
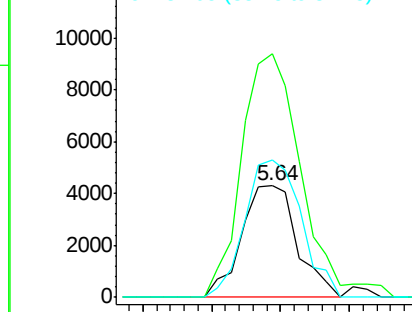
56 100

69 219.1 22.9 34.3#

84 123.6 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: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059471.D

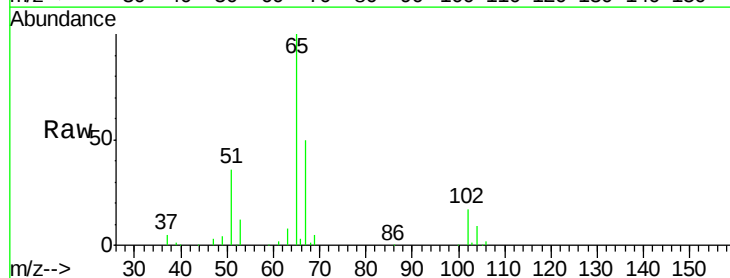
Acq: 28 Jun 2018 19:14

Tgt Ion: 65 Resp: 374647

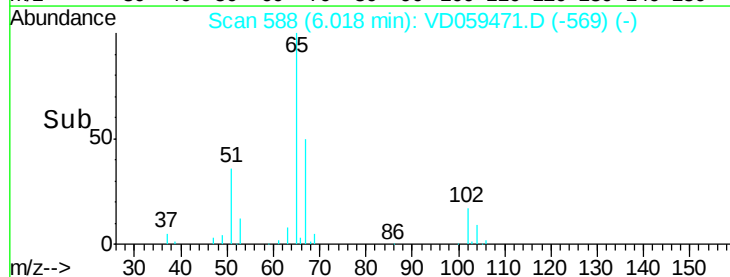
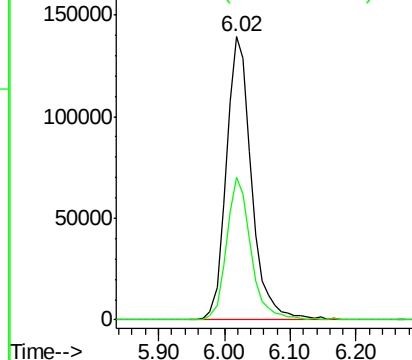
Ion Ratio Lower Upper

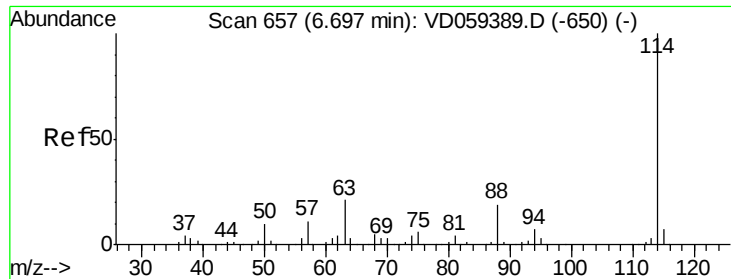
65 100

67 50.4 0.0 93.8



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

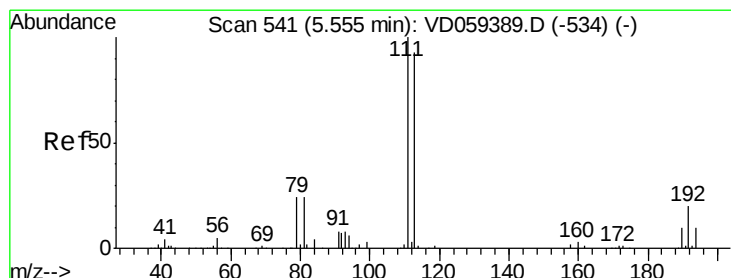
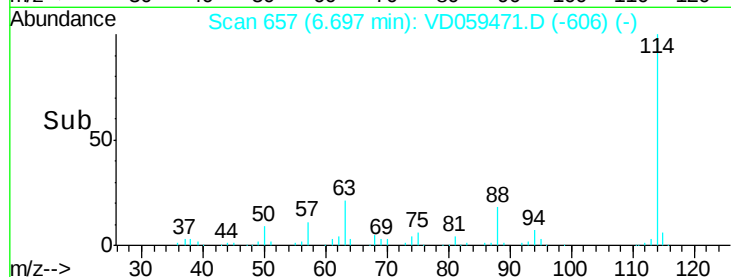
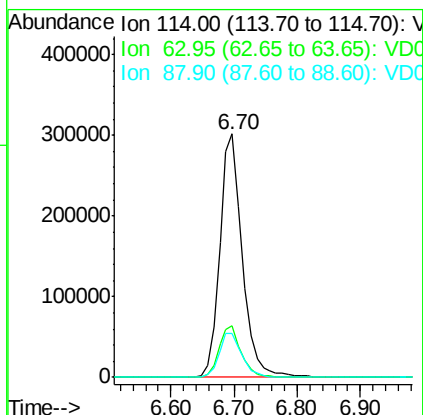
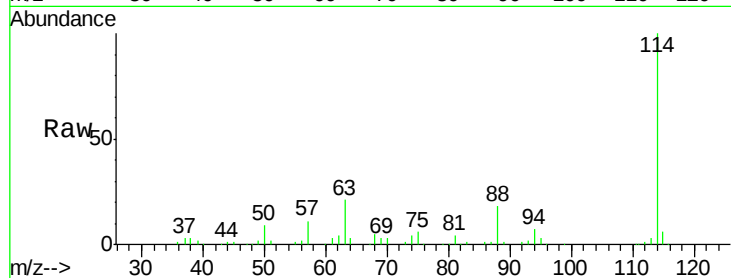




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

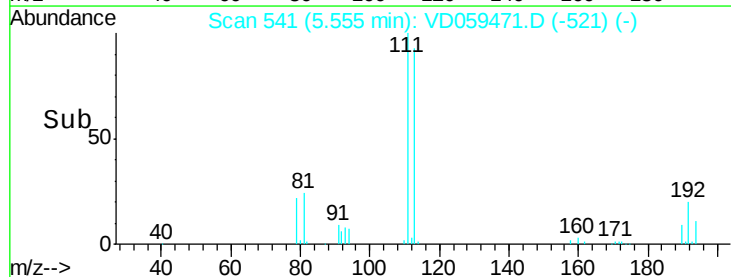
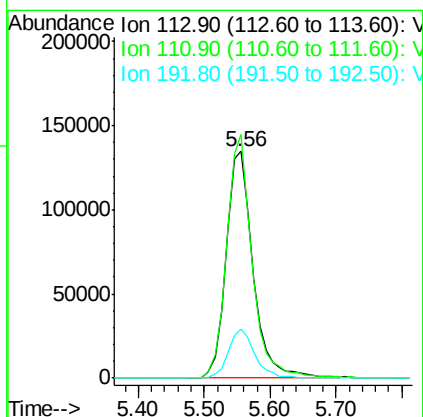
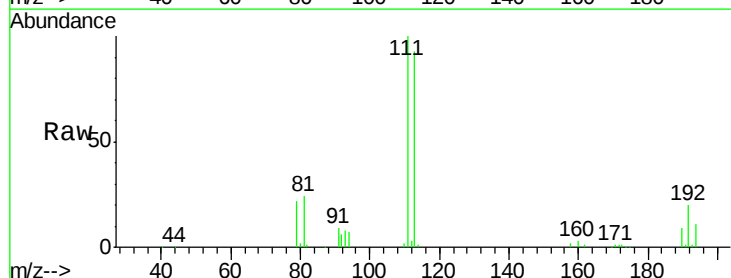
Instrument :
MSVOA_D
ClientSampleId :

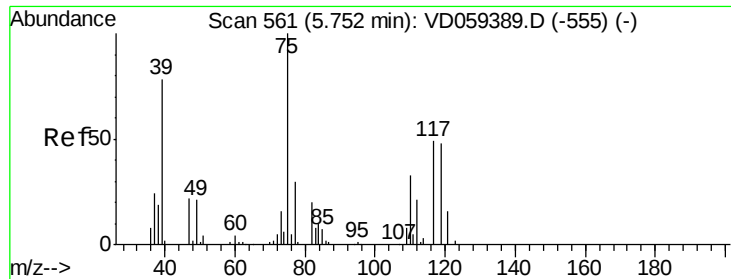
Tot Ion:114 Resp: 747340
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 18.2 0.0 38.0



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.56 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

Tgt Ion:113 Resp: 385860
Ion Ratio Lower Upper
113 100
111 107.3 85.7 128.5
192 21.6 16.9 25.3

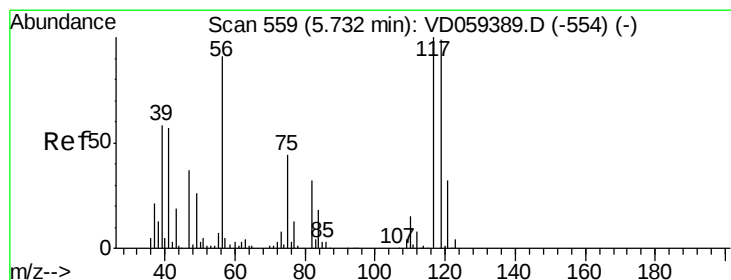
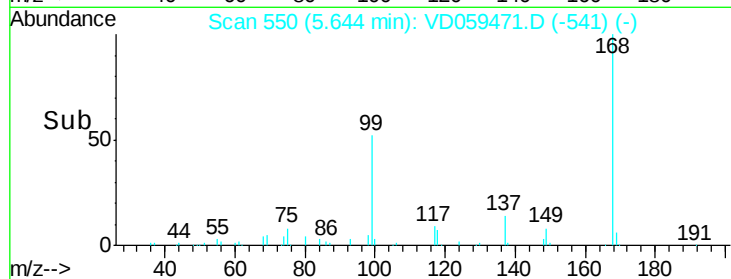
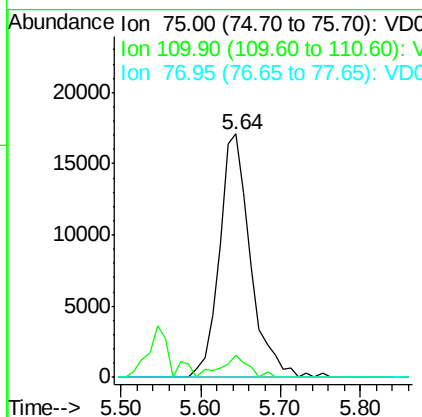
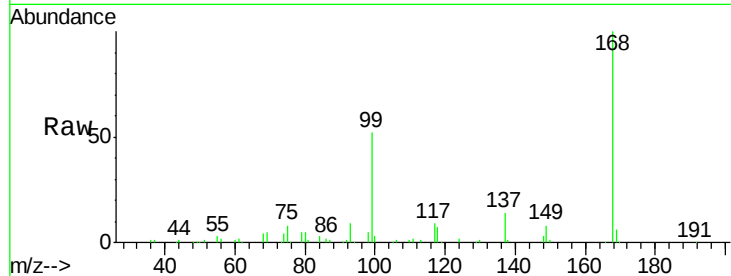




#36
 1,1-Dichloropropene
 Concen: 6.873 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD059471.D
 Acq: 28 Jun 2018 19:14

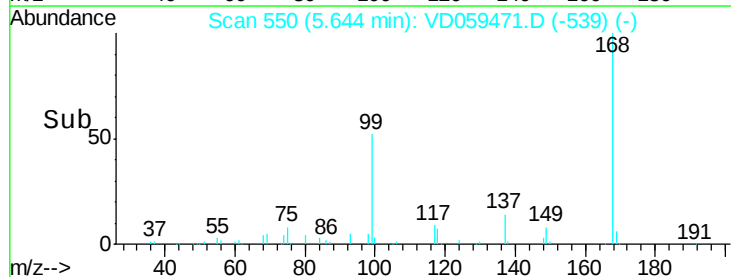
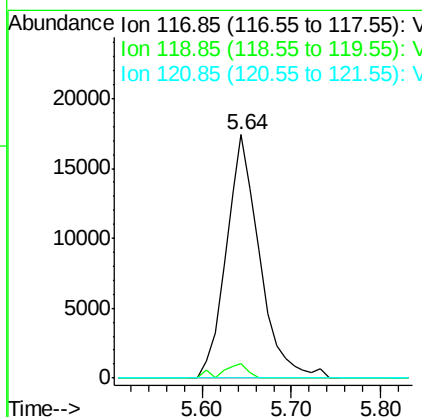
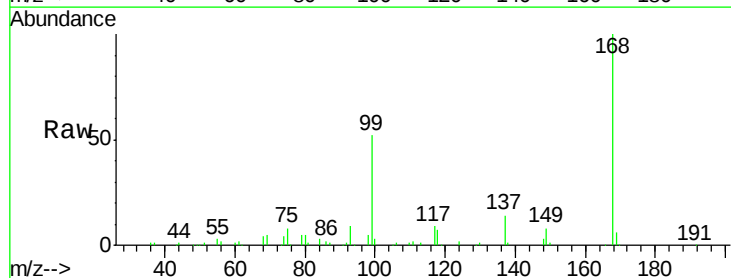
Instrument :
 MSVOA_D
 ClientSampleId :

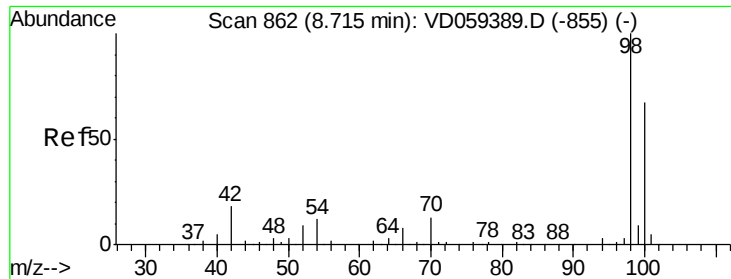
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.1	48.2#
77	0.0	23.4	35.2#



#38
 Carbon Tetrachloride
 Concen: 6.515 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.09 min
 Lab File: VD059471.D
 Acq: 28 Jun 2018 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.6	115.0#
121	0.0	25.0	37.4#

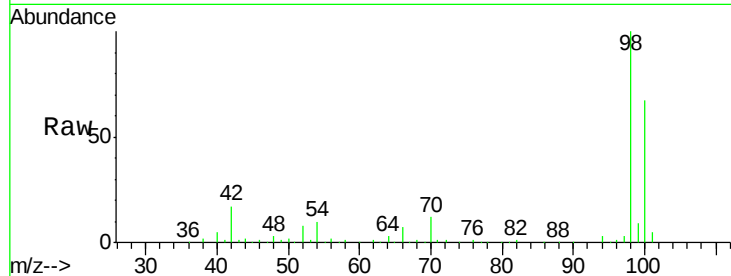




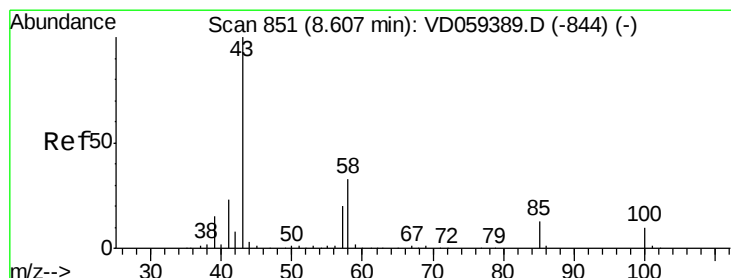
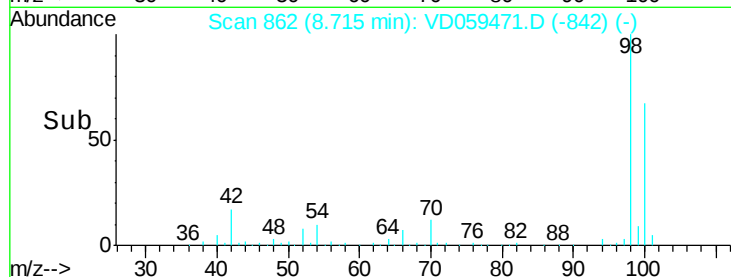
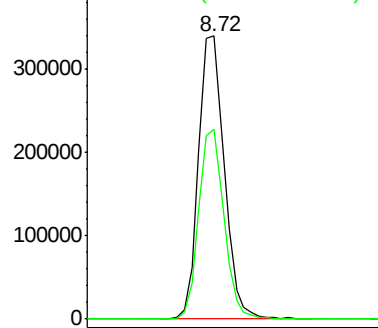
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 801690
Ion Ratio Lower Upper
98 100
100 67.2 54.4 81.6

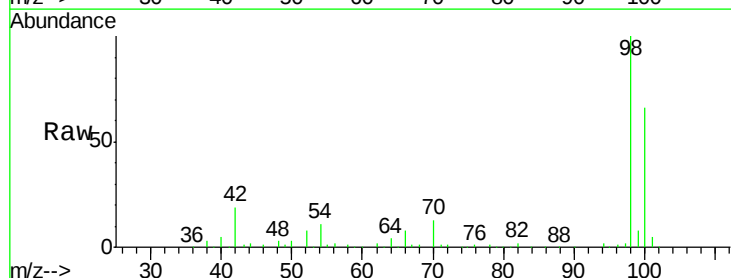


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

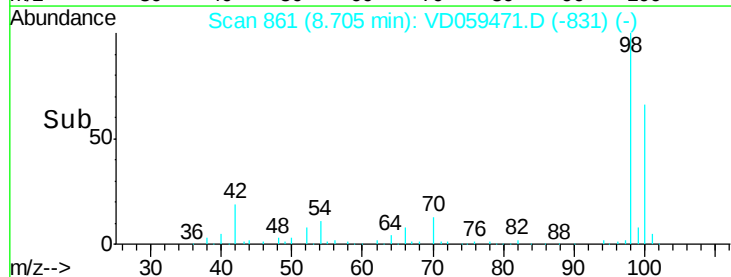
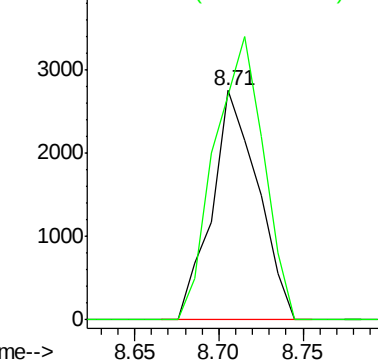


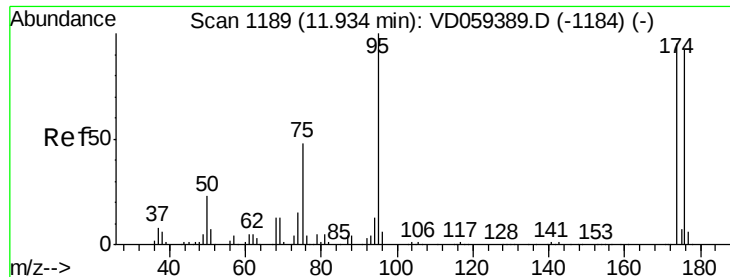
#51
4-Methyl-2-Pentanone
Concen: 1.509 ug/l
RT: 8.71 min Scan# 861
Delta R.T. 0.10 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

Tgt Ion: 43 Resp: 5213
Ion Ratio Lower Upper
43 100
58 98.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

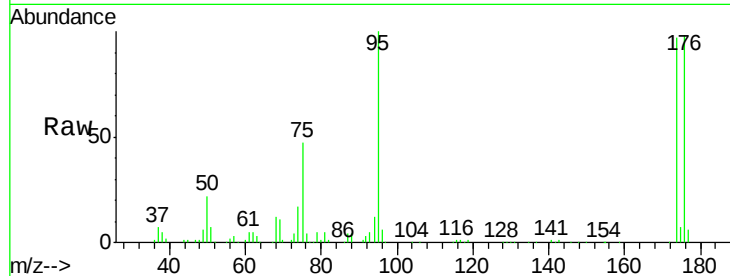




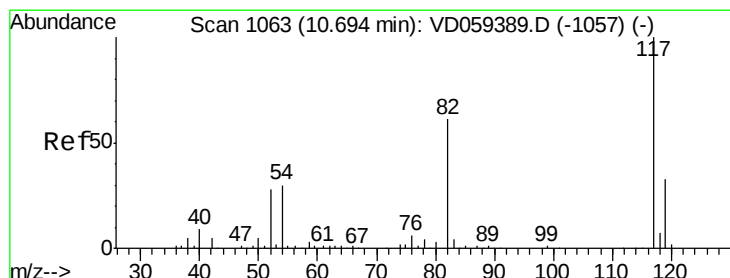
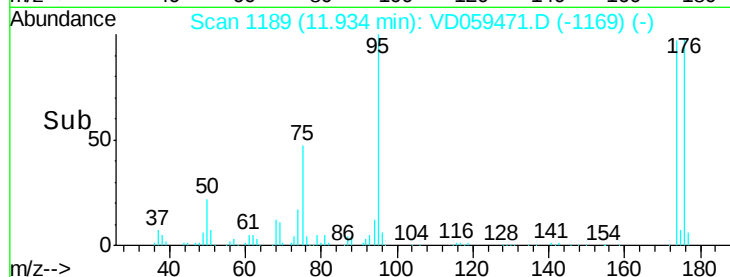
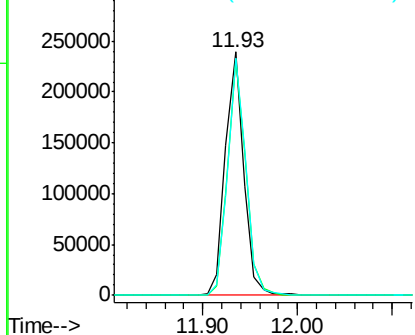
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 321743
Ion Ratio Lower Upper
95 100
174 96.9 0.0 190.4
176 97.6 0.0 183.2

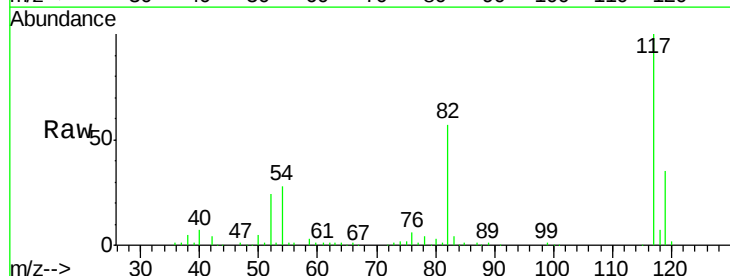


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

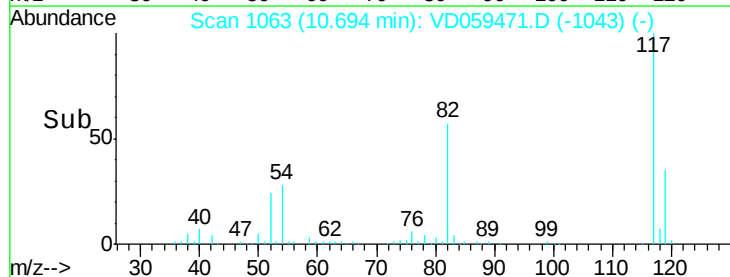
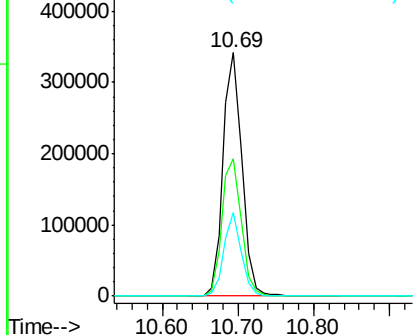


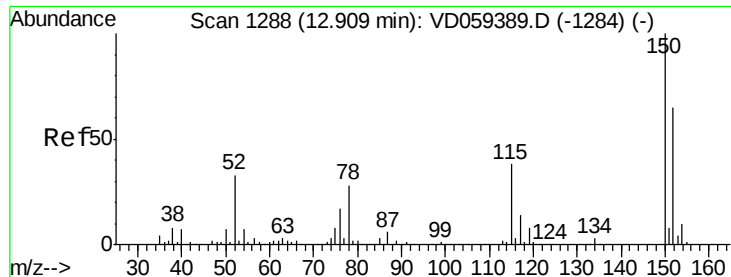
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059471.D
Acq: 28 Jun 2018 19:14

Tgt Ion: 117 Resp: 595306
Ion Ratio Lower Upper
117 100
82 56.5 49.0 73.6
119 34.6 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: 12.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

Instrument :

MSVOA_D

ClientSampleId :

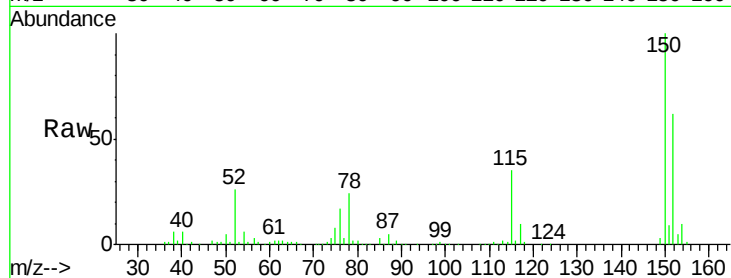
Tot Ion:152 Resp: 269906

Ion Ratio Lower Upper

152 100

115 56.6 29.4 88.3

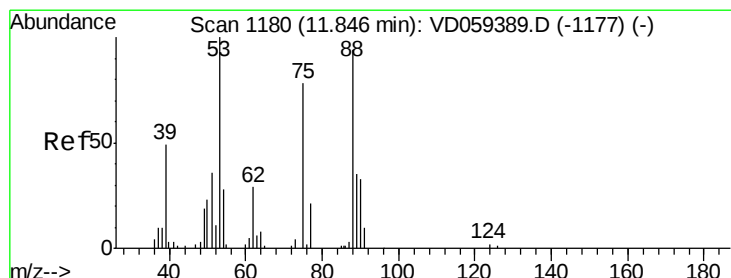
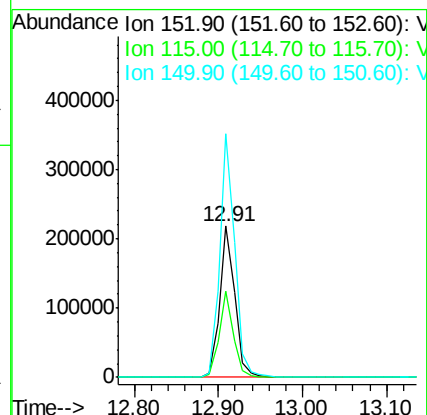
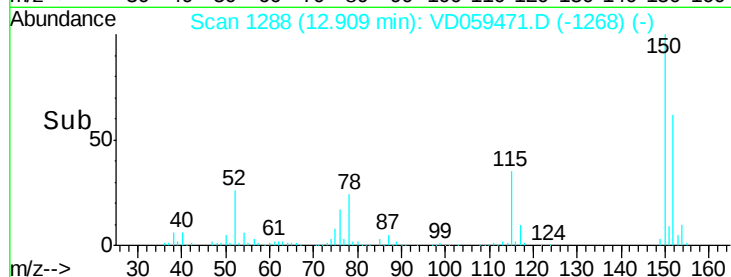
150 161.0 0.0 308.2



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: 181.062 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059471.D

Acq: 28 Jun 2018 19:14

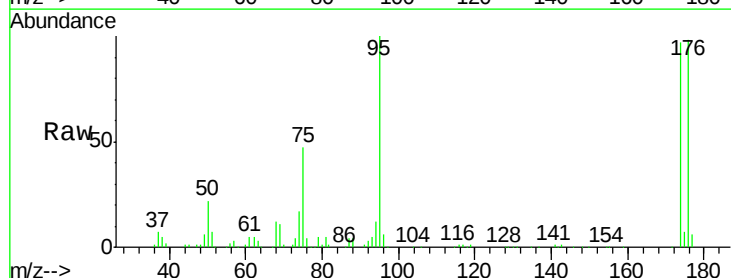
Tgt Ion: 75 Resp: 153213

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

