

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059465.D
 Acq On : 28 Jun 2018 16:24
 Operator : VA/AP
 Sample : J3629-07RE
 Misc : 5.81g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:27:05 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

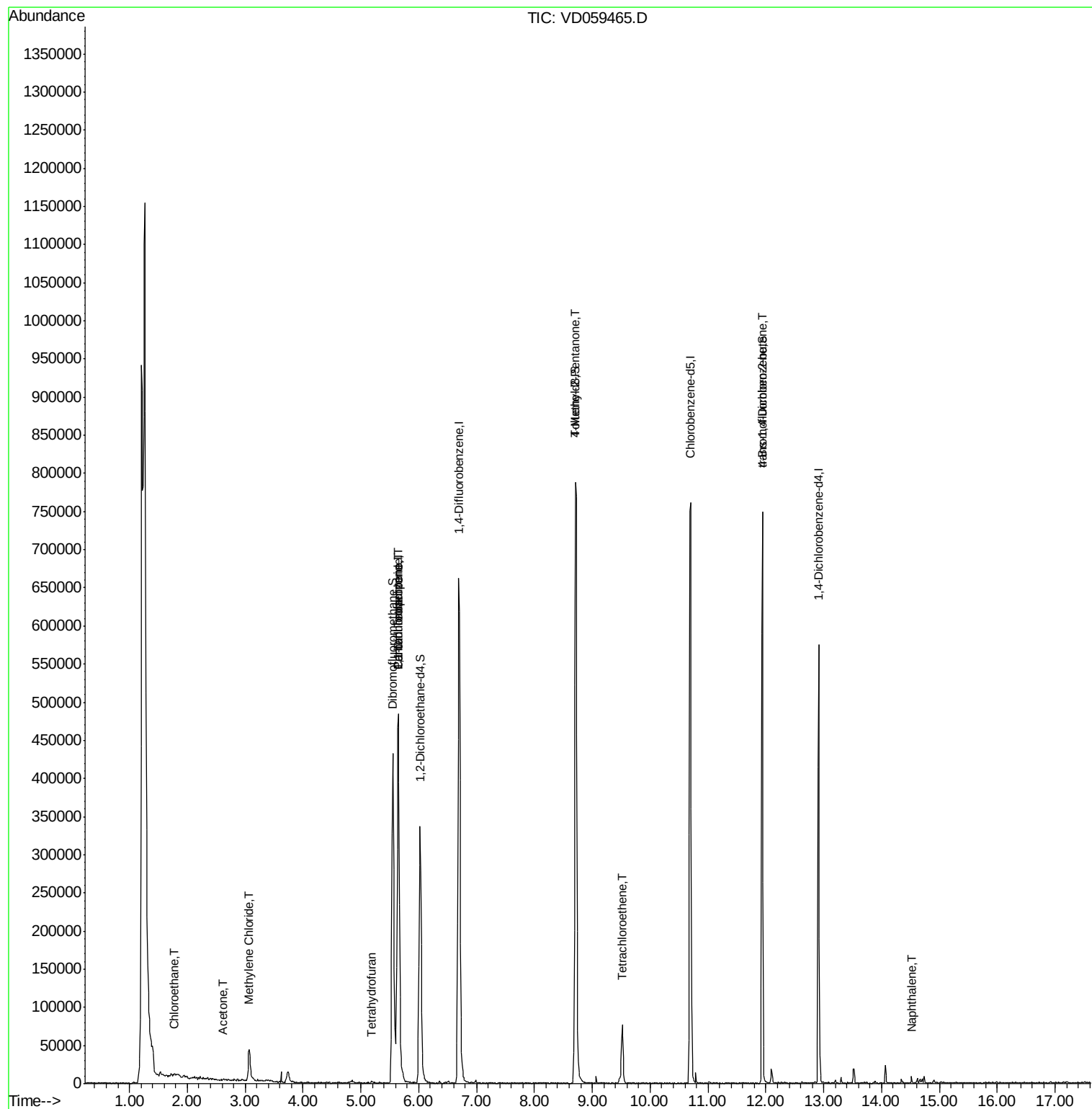
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	504162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	687176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	438136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	126063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	332870	64.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	129.12%	
35) Dibromofluoromethane	5.55	113	339829	60.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.42%	
50) Toluene-d8	8.71	98	646225	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.94	95	196556	36.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.22%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.82	94	538	Below Cal	#	4
6) Chloroethane	1.78	64	273	2.128	ug/l #	41
16) Acetone	2.61	43	2568	3.946	ug/l #	55
18) Methyl Acetate	2.94	43	638	Below Cal	#	66
20) Methylene Chloride	3.07	84	21048	9.650	ug/l	96
29) Tetrahydrofuran	5.20	42	752	1.009	ug/l #	90
31) Cyclohexane	5.65	56	11776	Below Cal	#	15
36) 1,1-Dichloropropene	5.64	75	34744	5.574	ug/l #	48
38) Carbon Tetrachloride	5.65	117	39076	6.080	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	3768	1.186	ug/l #	1
64) Tetrachloroethene	9.52	164	22191	5.774	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	94204	238.356	ug/l #	1
95) Naphthalene	14.52	128	4052	1.007	ug/l #	86

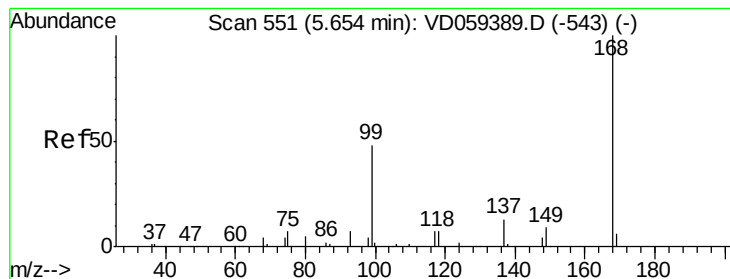
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062818\
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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: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :

MSVOA_D

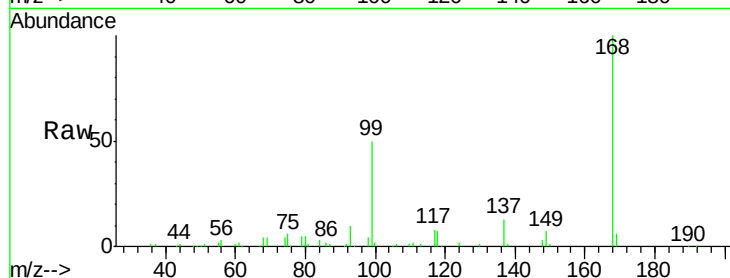
ClientSampleId :

Tot Ion:168 Resp: 504162

Ion Ratio Lower Upper

168 100

99 50.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

200000

150000

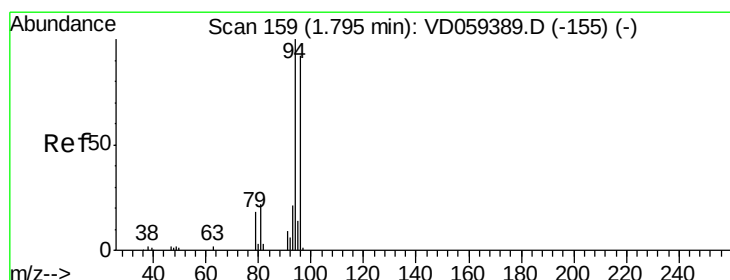
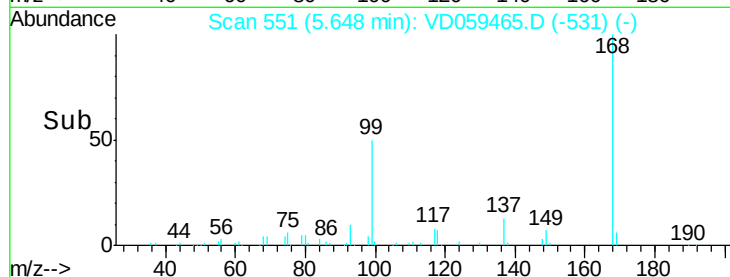
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.82 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD059465.D

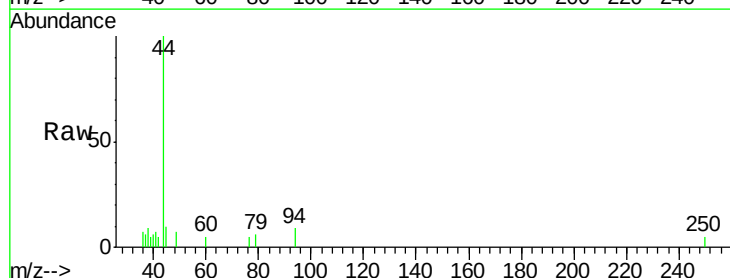
Acq: 28 Jun 2018 16:24

Tgt Ion: 94 Resp: 538

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

600

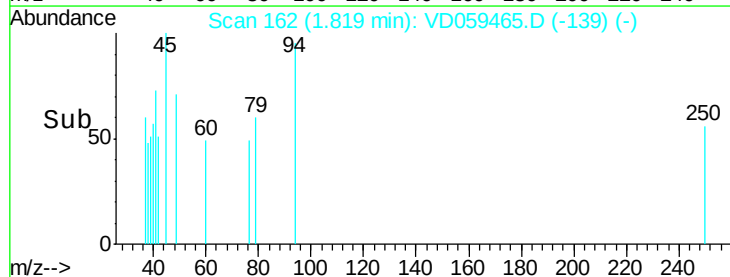
400

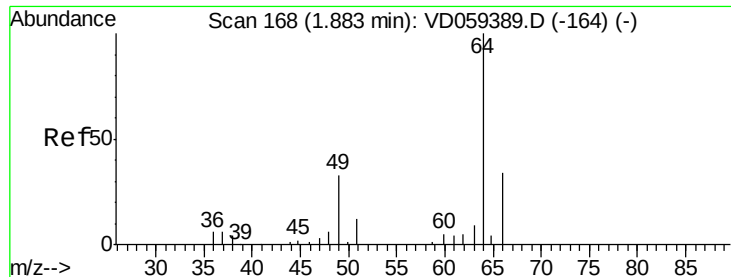
200

0

Time-->

1.78 1.80 1.82 1.84





#6

Chloroethane

Concen: 2.128 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.10 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :

MSVOA_D

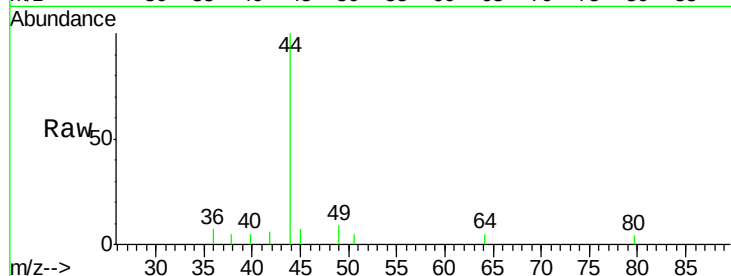
ClientSampled :

Tot Ion: 64 Resp: 273

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

1.78

400

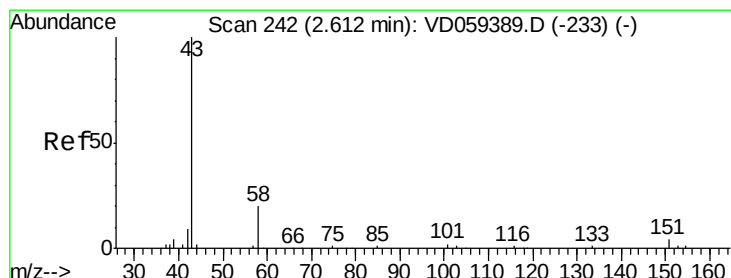
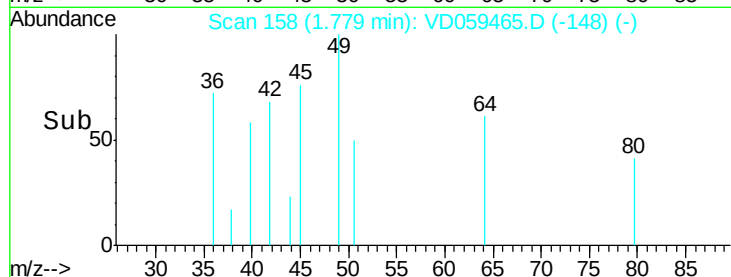
300

200

100

0

Time--> 1.74 1.76 1.78 1.80



#16

Acetone

Concen: 3.946 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059465.D

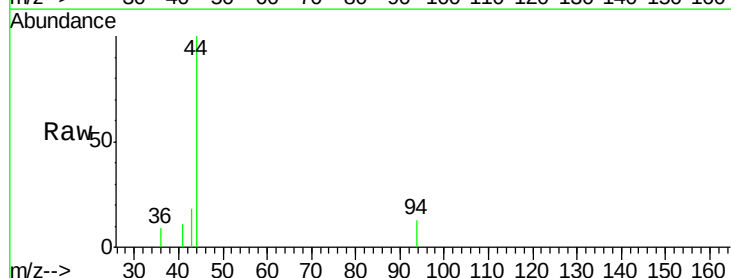
Acq: 28 Jun 2018 16:24

Tgt Ion: 43 Resp: 2568

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

2.61

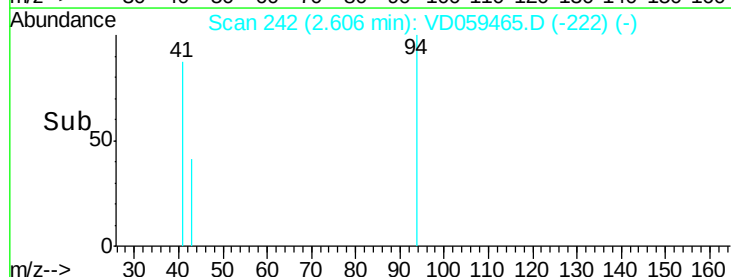
600

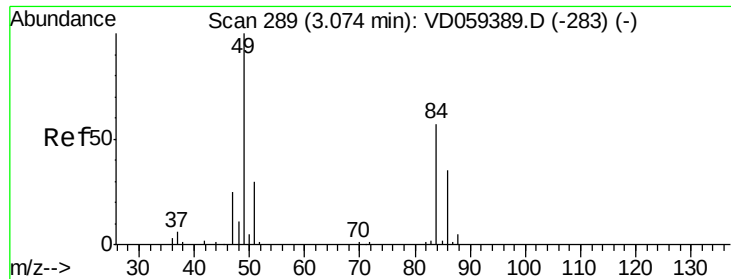
400

200

0

Time--> 2.55 2.60 2.65

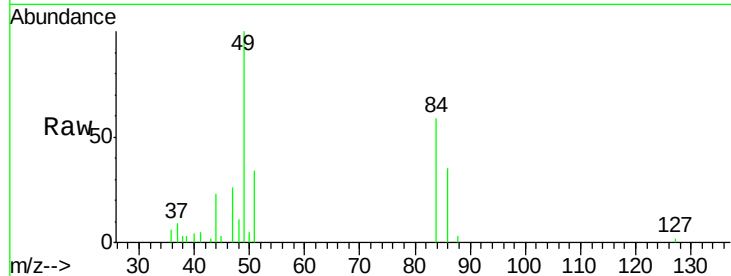




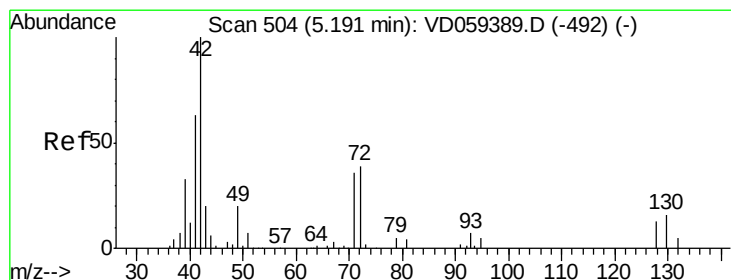
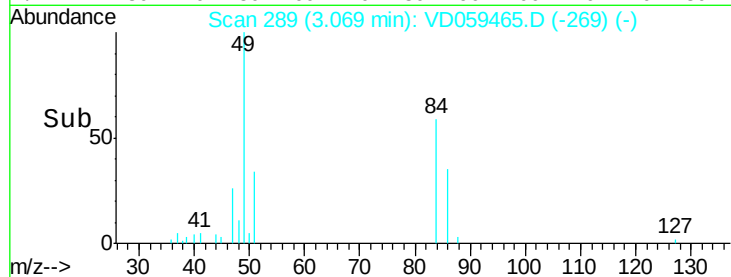
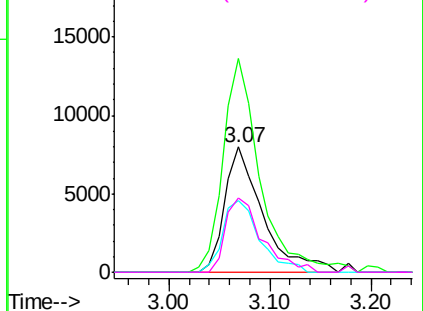
#20
Methylene Chloride
Concen: 9.650 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	21048
Ion	Ratio	Lower	Upper
84	100		
49	170.6	140.3	210.5
51	57.3	41.6	62.4
86	59.2	49.4	74.2

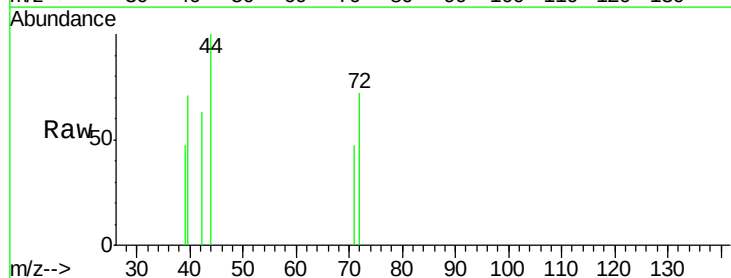


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

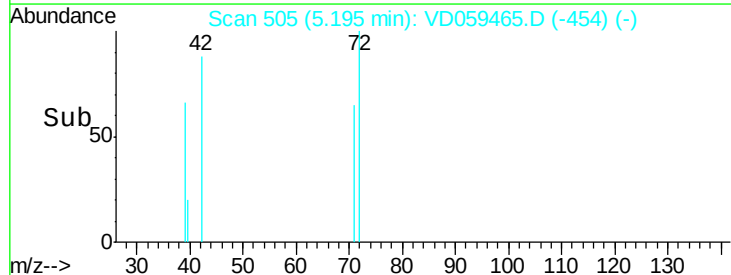
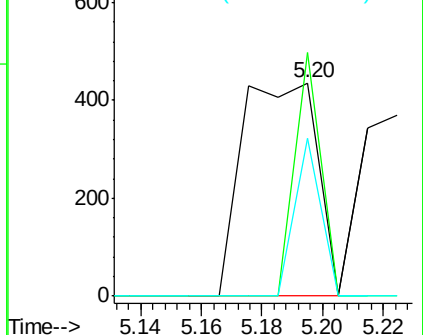


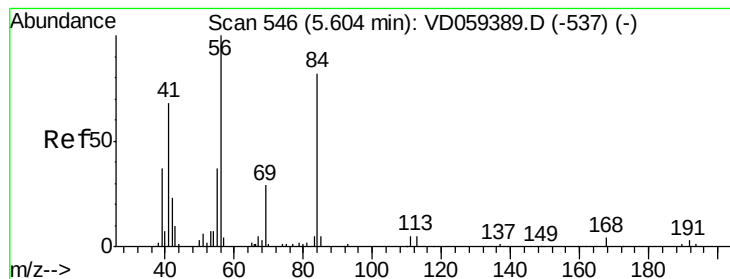
#29
Tetrahydrofuran
Concen: 1.009 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Tgt Ion:	42	Resp:	752
Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.2
71	25.4	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





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.04 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

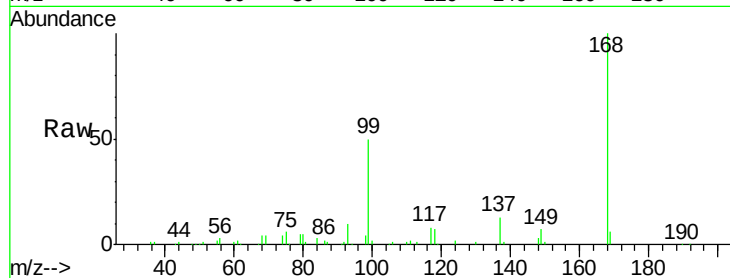
Tot Ion: 56 Resp: 11776

Ion Ratio Lower Upper

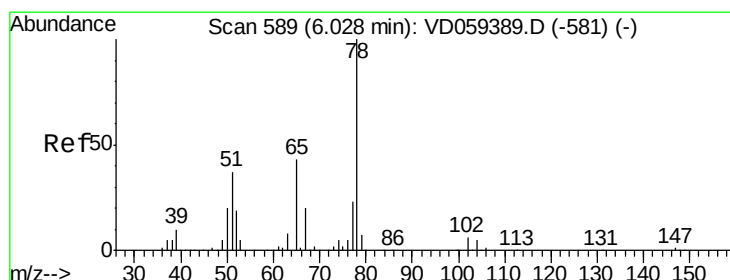
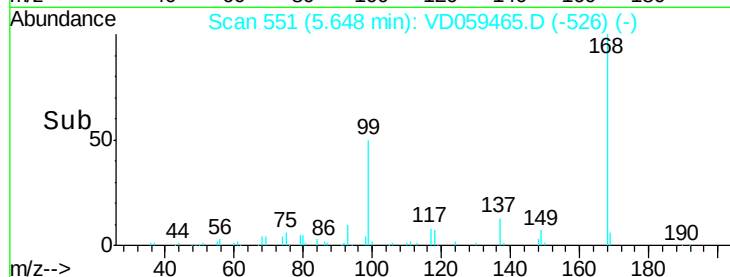
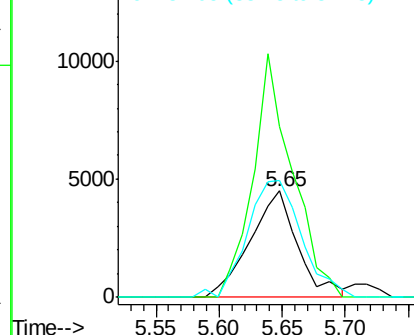
56 100

69 161.0 22.9 34.3#

84 110.7 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# 589

Delta R.T. -0.01 min

Lab File: VD059465.D

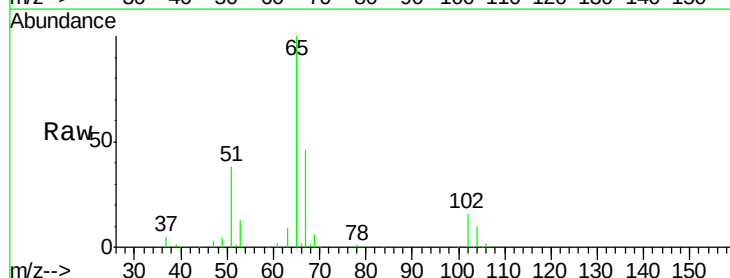
Acq: 28 Jun 2018 16:24

Tgt Ion: 65 Resp: 332870

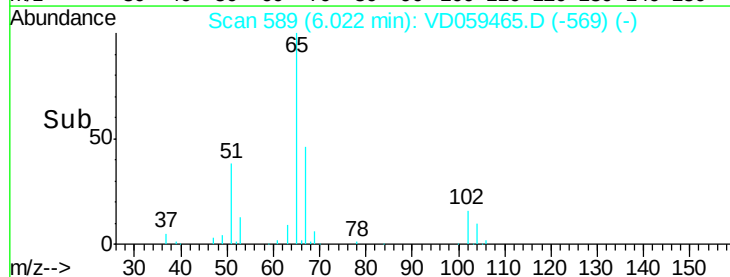
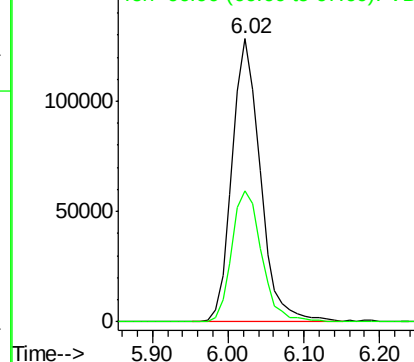
Ion Ratio Lower Upper

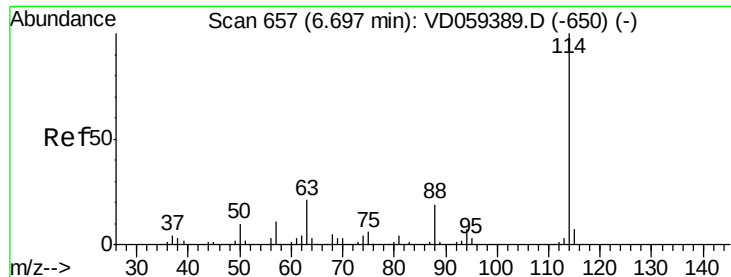
65 100

67 46.5 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: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :

MSVOA_D

ClientSampleId :

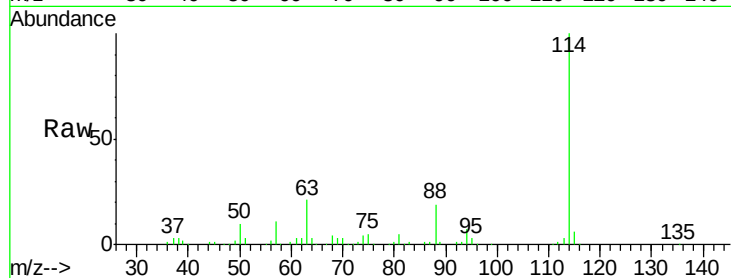
Tot Ion:114 Resp: 687176

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

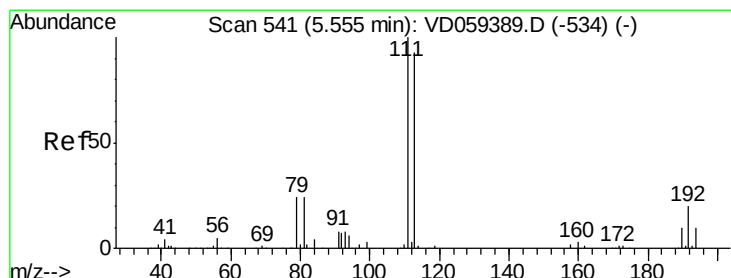
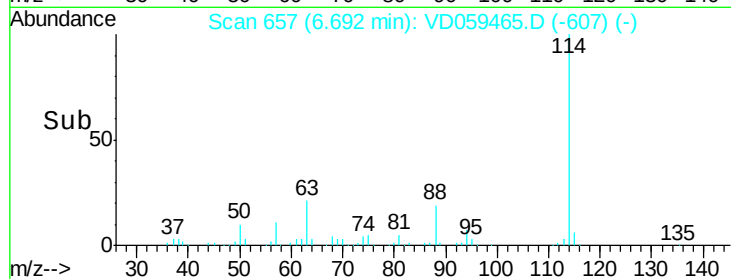
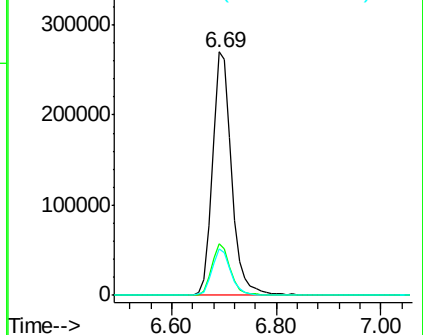
88 19.3 0.0 38.0



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: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

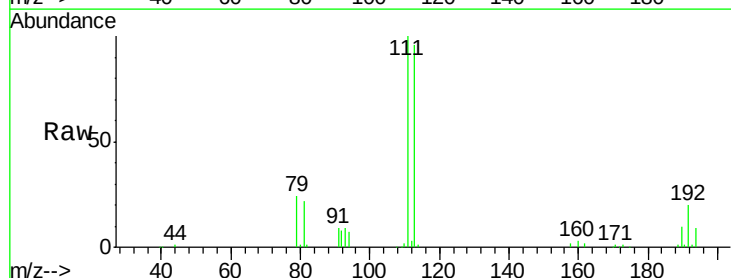
Tgt Ion:113 Resp: 339829

Ion Ratio Lower Upper

113 100

111 104.6 85.7 128.5

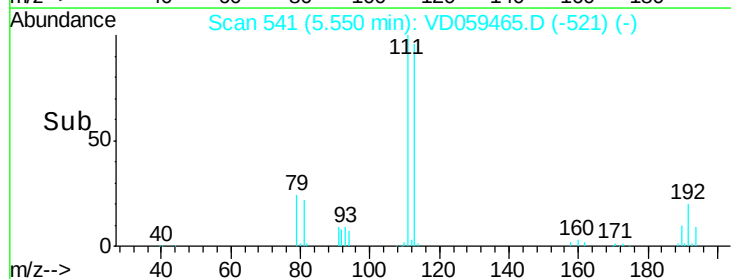
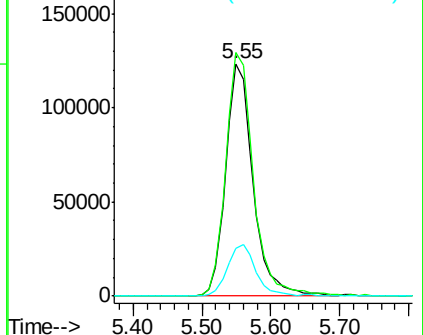
192 20.6 16.9 25.3

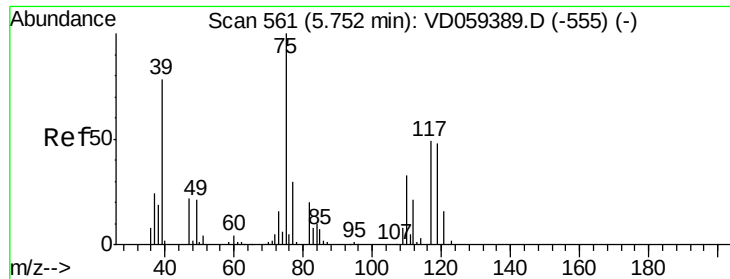


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

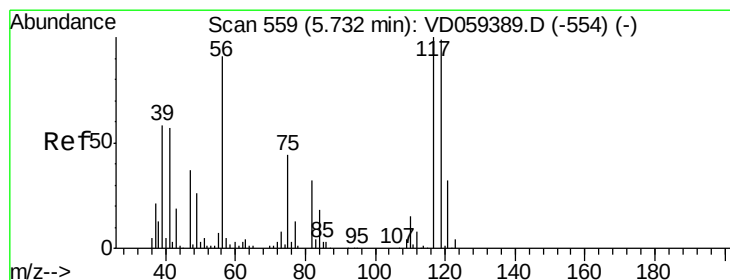
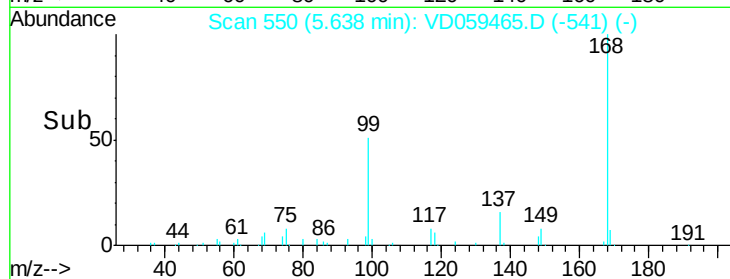
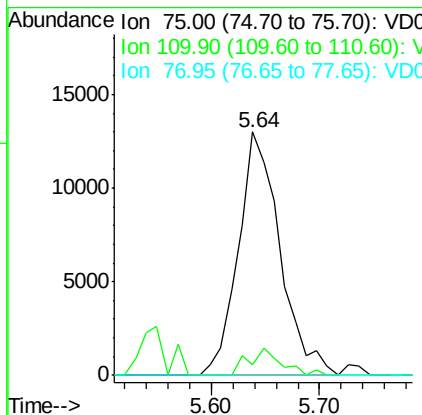
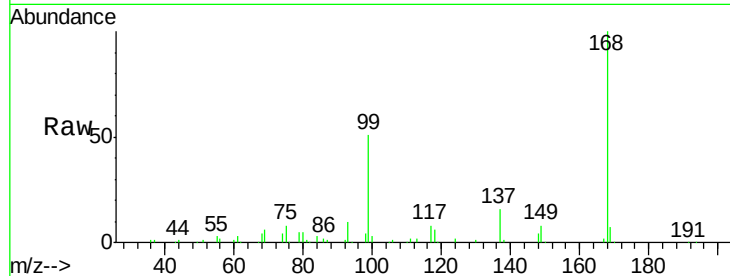




#36
 1,1-Dichloropropene
 Concen: 5.574 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD059465.D
 Acq: 28 Jun 2018 16:24

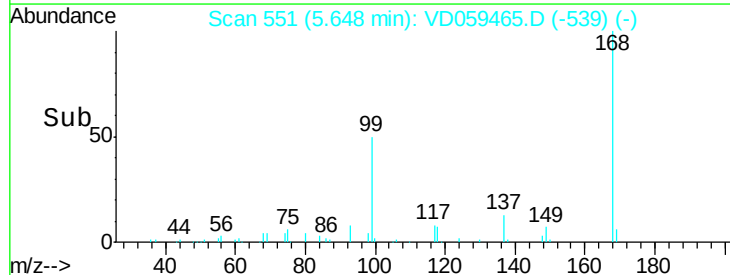
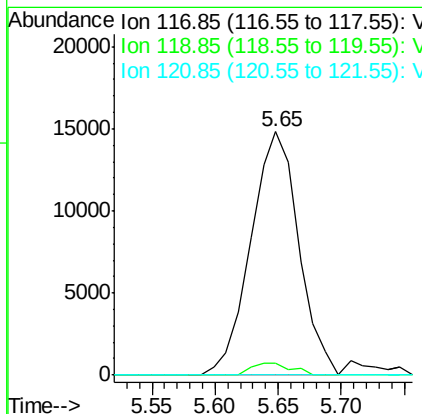
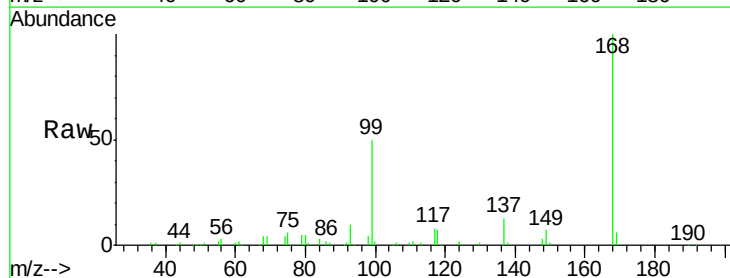
Instrument :
 MSVOA_D
 ClientSampleId :

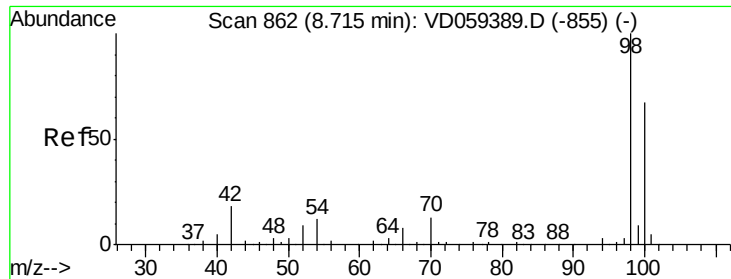
Tot Ion: 75 Resp: 34744
 Ion Ratio Lower Upper
 75 100
 110 4.3 16.1 48.2#
 77 0.0 23.4 35.2#



#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.08 min
 Lab File: VD059465.D
 Acq: 28 Jun 2018 16:24

Tgt Ion: 117 Resp: 39076
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.6 115.0#
 121 0.0 25.0 37.4#

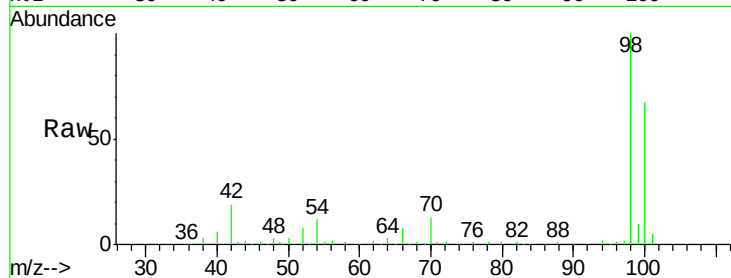




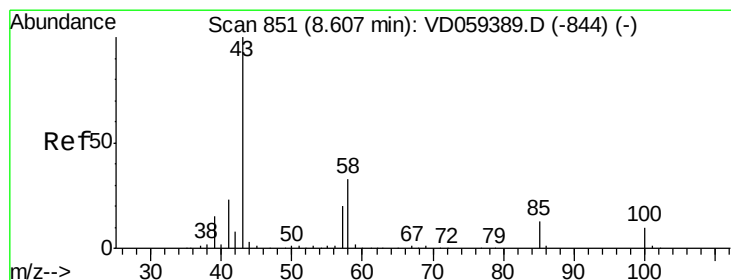
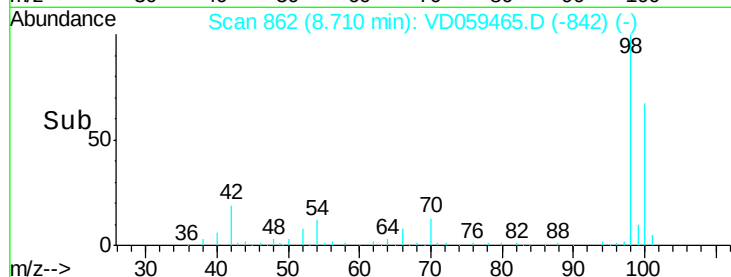
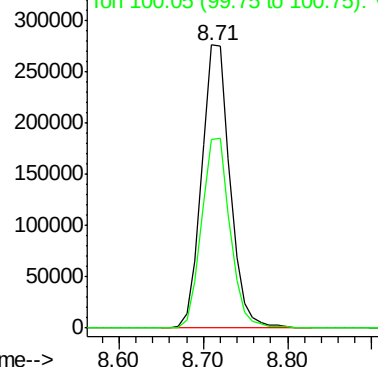
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 646225
Ion Ratio Lower Upper
98 100
100 66.5 54.4 81.6

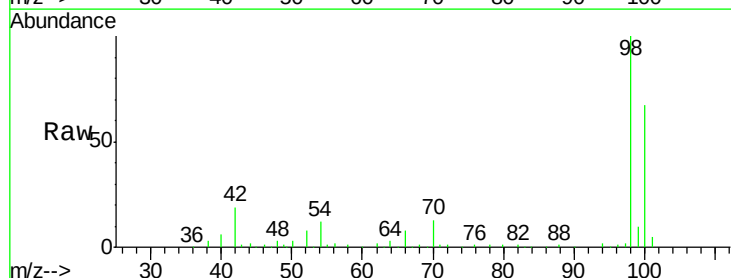


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

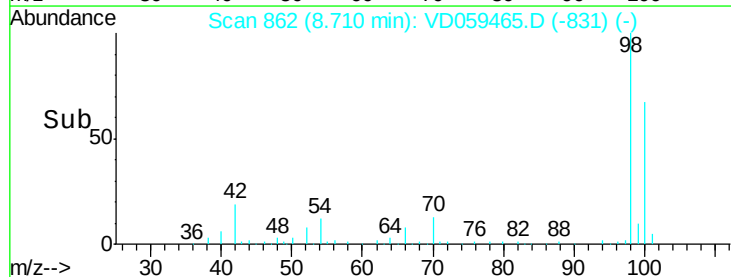
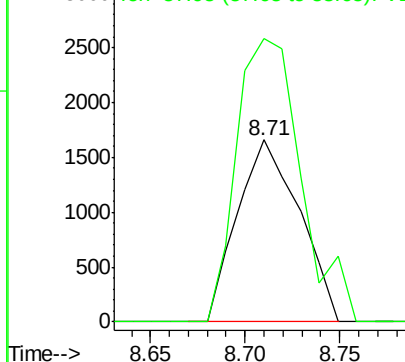


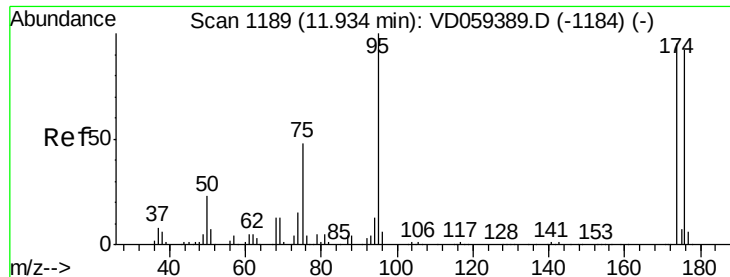
#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.10 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Tgt Ion: 43 Resp: 3768
Ion Ratio Lower Upper
43 100
58 155.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0

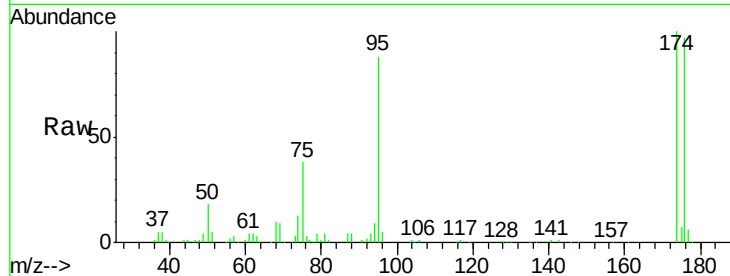




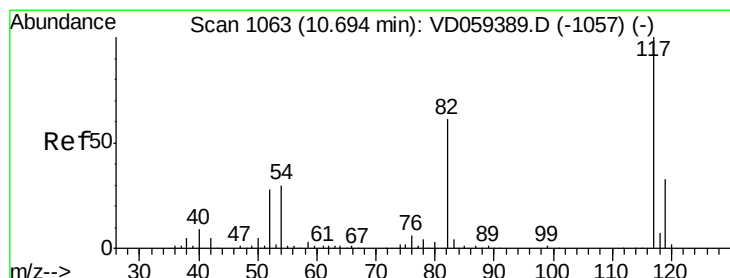
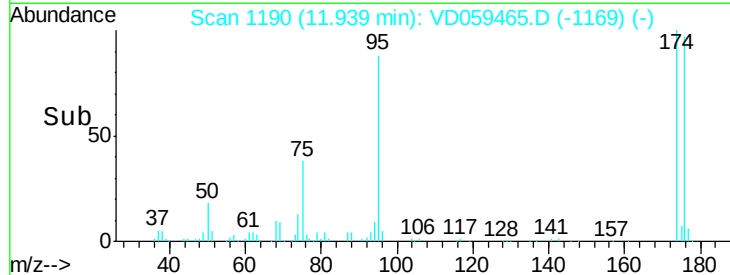
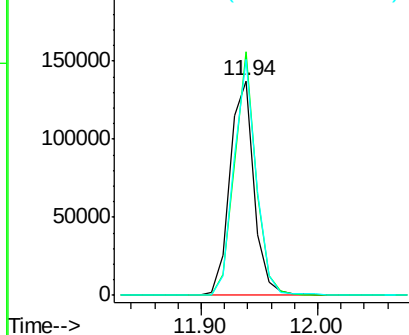
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 196556
Ion Ratio Lower Upper
95 100
174 113.3 0.0 190.4
176 109.9 0.0 183.2

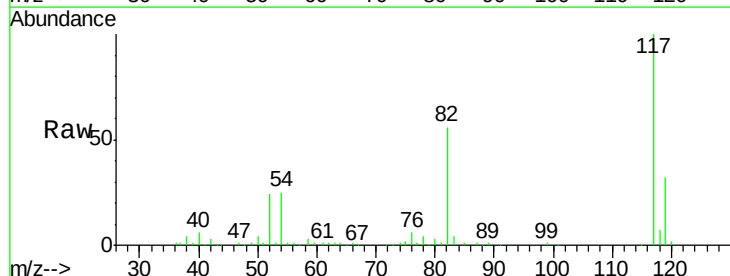


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

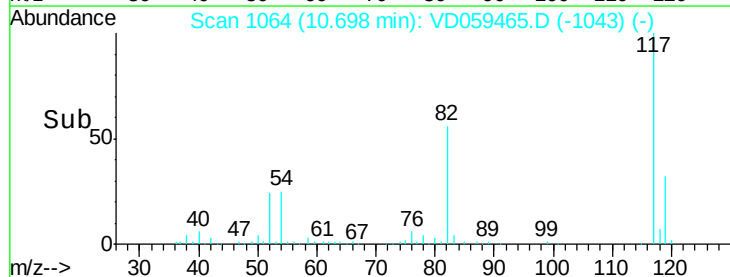
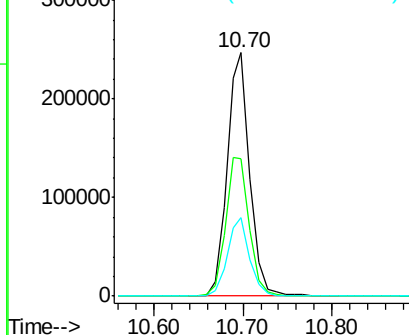


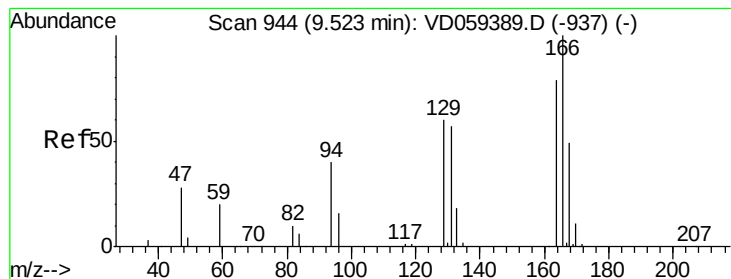
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059465.D
Acq: 28 Jun 2018 16:24

Tgt Ion: 117 Resp: 438136
Ion Ratio Lower Upper
117 100
82 56.3 49.0 73.6
119 32.4 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: 5.774 ug/l

RT: 9.52 min Scan# 944

Delta R.T. -0.01 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 22191

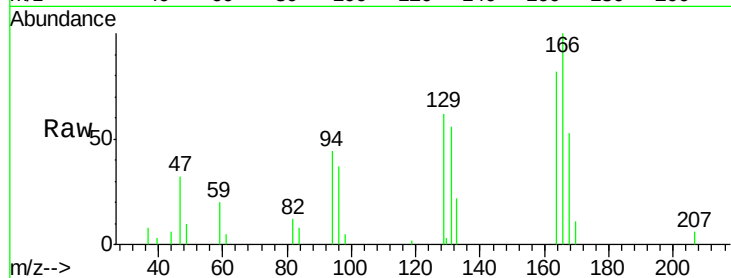
Ion Ratio Lower Upper

164 100

166 122.6 101.4 152.2

129 76.2 60.9 91.3

131 68.7 58.2 87.4

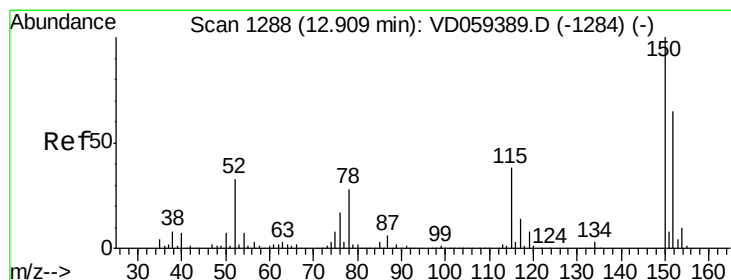
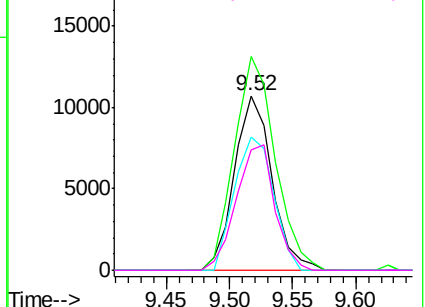
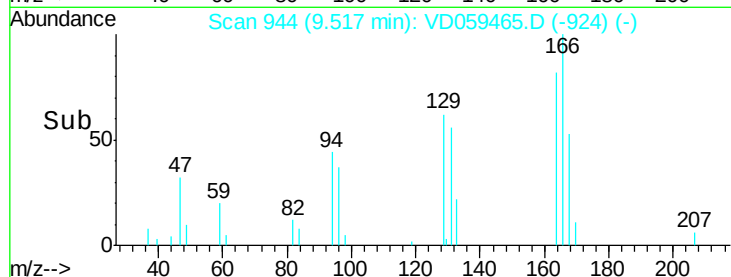


Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

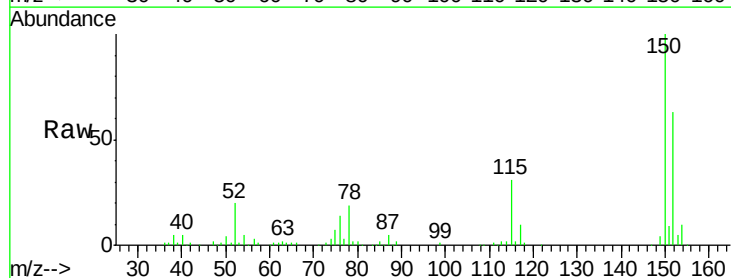
Tgt Ion:152 Resp: 126063

Ion Ratio Lower Upper

152 100

115 48.8 29.4 88.3

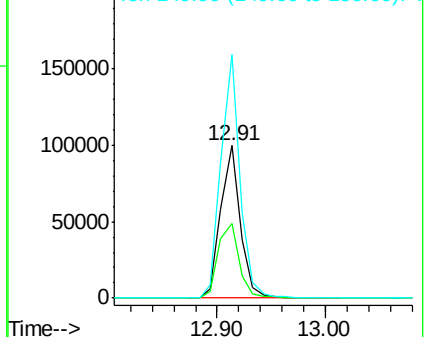
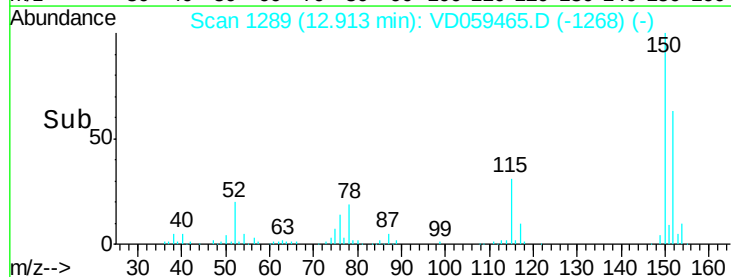
150 159.4 0.0 308.2

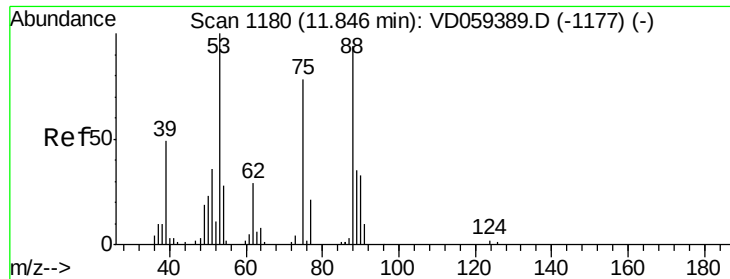


Abundance Ion 151.90 (151.60 to 152.60): V

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: 238.356 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

Instrument :

MSVOA_D

ClientSampled :

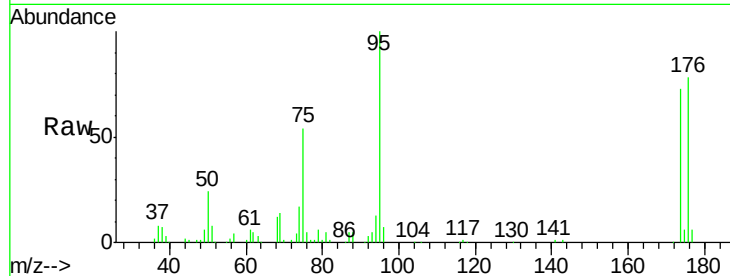
Tot Ion: 75 Resp: 94204

Ion Ratio Lower Upper

75 100

53 0.0 102.6 154.0#

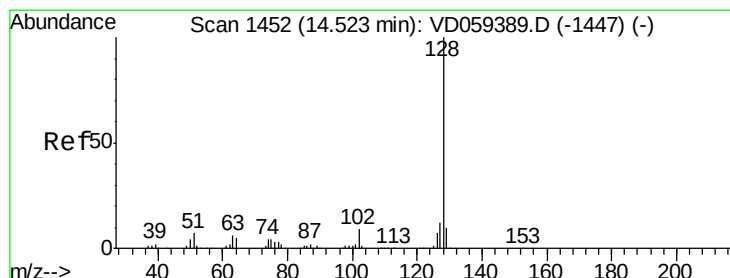
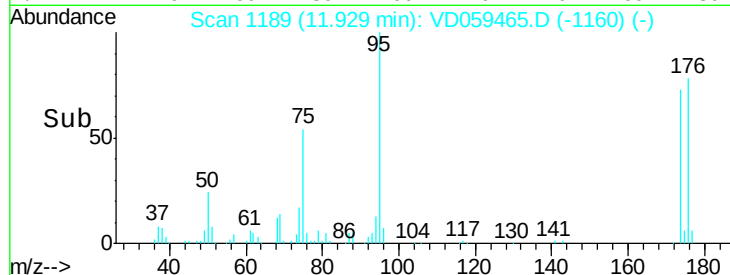
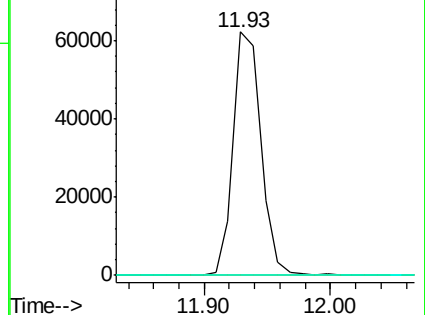
89 0.0 35.9 53.9#



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: 1.007 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059465.D

Acq: 28 Jun 2018 16:24

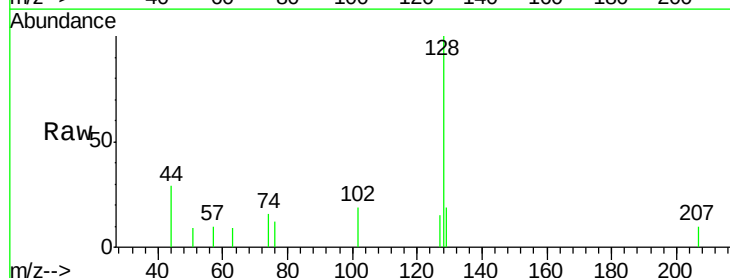
Tgt Ion:128 Resp: 4052

Ion Ratio Lower Upper

128 100

127 14.6 9.6 14.4#

129 19.0 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

