

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059468.D
 Acq On : 28 Jun 2018 17:49
 Operator : VA/AP
 Sample : J3629-10RE
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 29 01:27:47 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	376139	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	515797	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	325594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	94754	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	264343	68.72	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	137.44%	
35) Dibromofluoromethane	5.54	113	284680	67.76	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	135.52%	
50) Toluene-d8	8.71	98	467995	47.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	11.93	95	152429	37.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.62%	

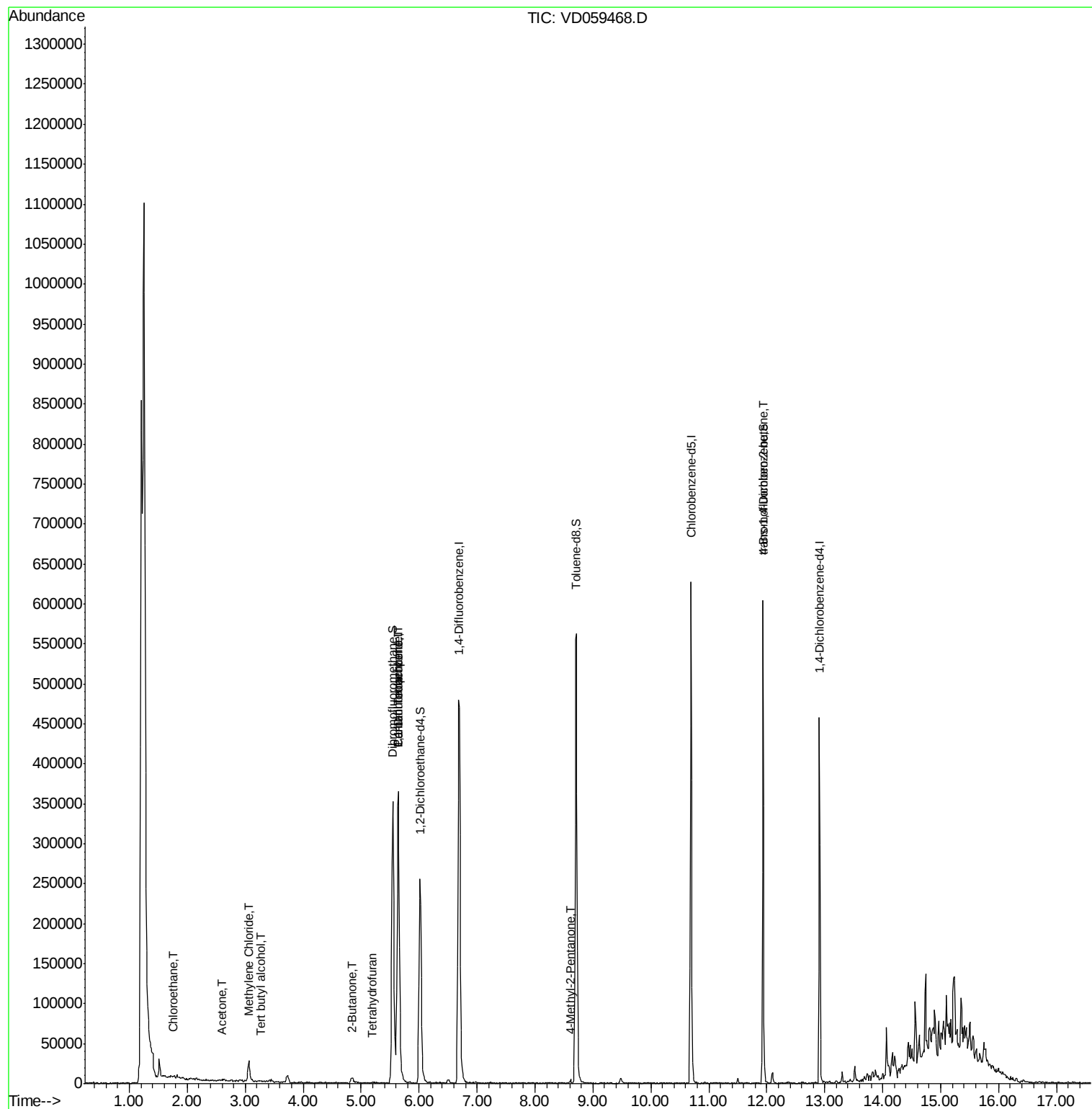
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	302	Below Cal	#	4
6) Chloroethane	1.75	64	185	2.109	ug/l #	41
11) Tert butyl alcohol	3.26	59	596	4.479	ug/l #	72
16) Acetone	2.61	43	2214	4.561	ug/l #	55
18) Methyl Acetate	2.92	43	2327	Below Cal	#	66
20) Methylene Chloride	3.06	84	10749	5.777	ug/l #	85
25) 2-Butanone	4.85	43	1056	1.038	ug/l #	57
29) Tetrahydrofuran	5.19	42	1127	2.026	ug/l #	37
31) Cyclohexane	5.64	56	8016	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	30772	6.577	ug/l #	51
38) Carbon Tetrachloride	5.64	117	28724	5.954	ug/l #	16
51) 4-Methyl-2-Pentanone	8.61	43	2689	1.128	ug/l #	85
81) trans-1,4-Dichloro-2-buten	11.93	75	69802	234.971	ug/l #	1

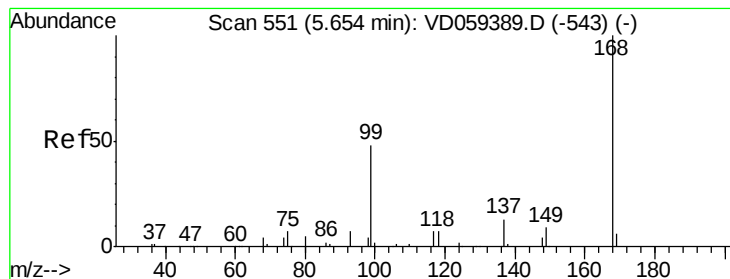
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

Instrument :

MSVOA_D

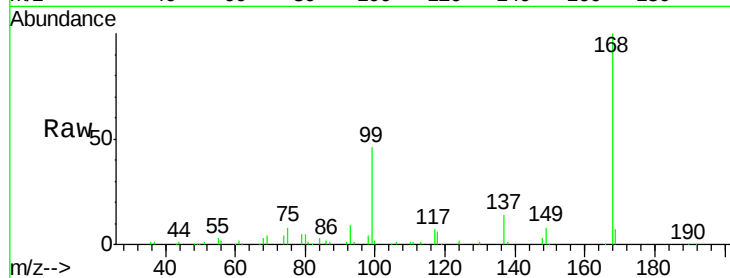
ClientSampleId :

Tot Ion:168 Resp: 376139

Ion Ratio Lower Upper

168 100

99 46.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

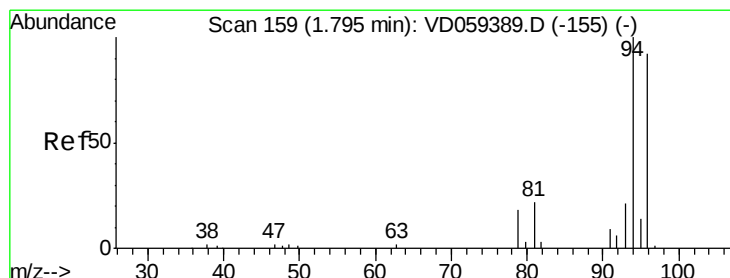
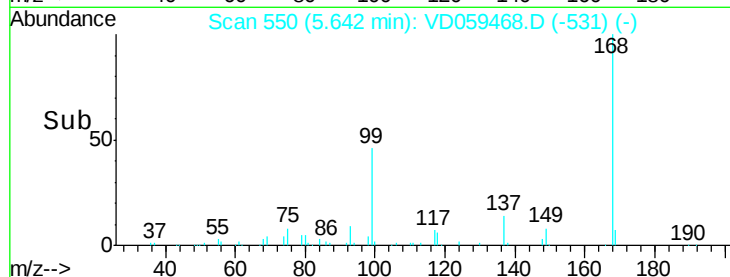
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059468.D

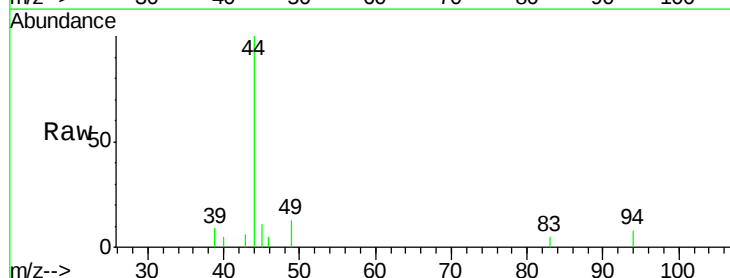
Acq: 28 Jun 2018 17:49

Tgt Ion: 94 Resp: 302

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

600

500

400

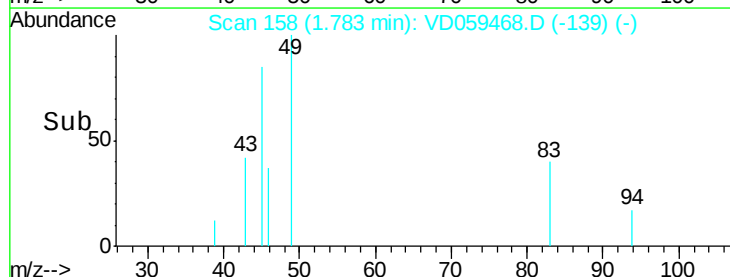
300

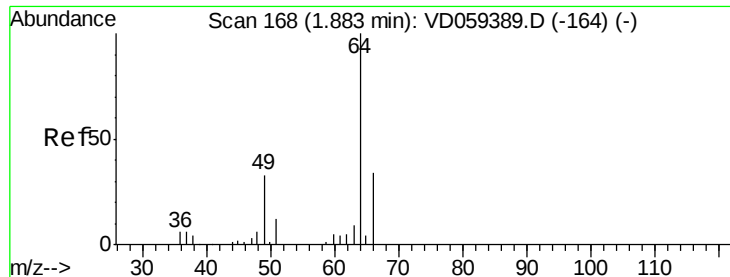
200

100

0

Time-->





#6

Chloroethane

Concen: 2.109 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.13 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

Instrument :

MSVOA_D

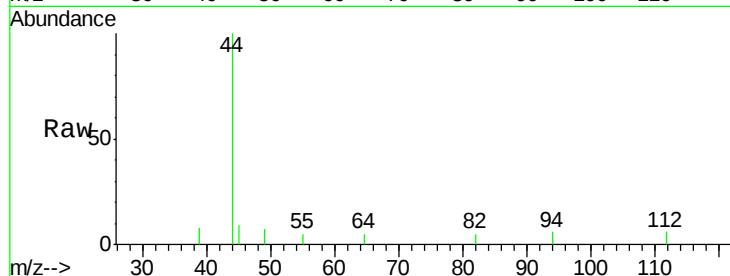
ClientSampleId :

Tot Ion: 64 Resp: 185

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

1.75

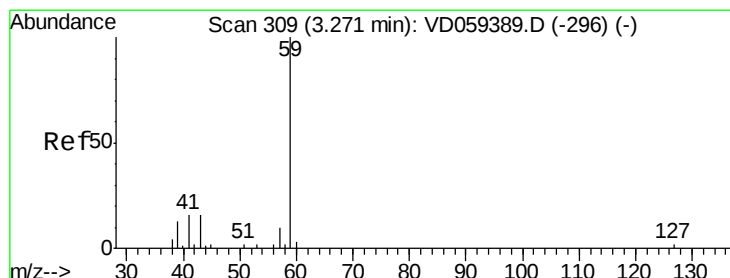
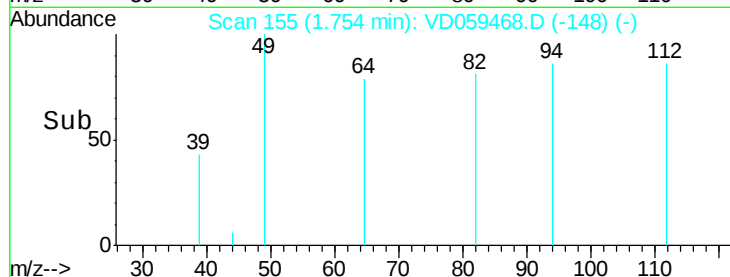
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 4.479 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD059468.D

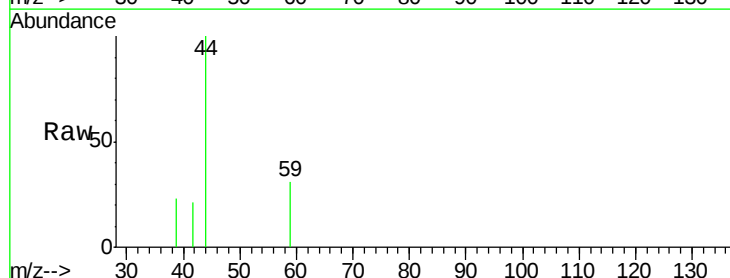
Acq: 28 Jun 2018 17:49

Tgt Ion: 59 Resp: 596

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

3.26

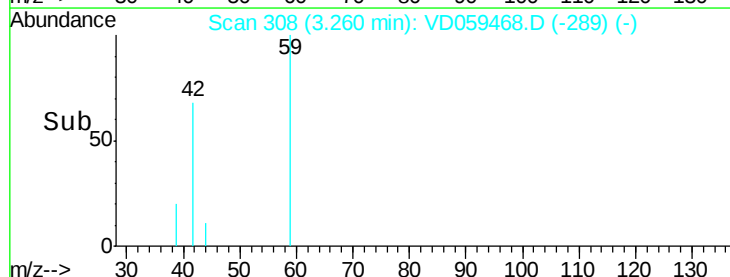
600

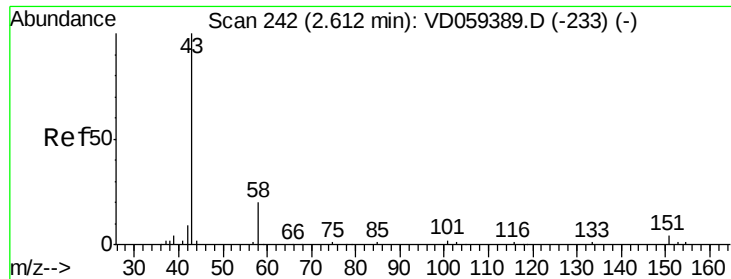
400

200

0

Time-->





#16

Acetone

Concen: 4.561 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

Instrument :

MSVOA_D

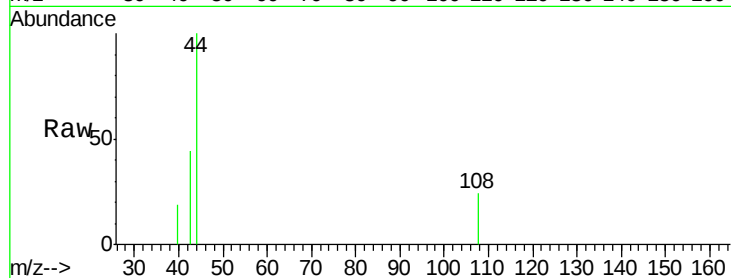
ClientSampleId :

Tot Ion: 43 Resp: 2214

Ion Ratio Lower Upper

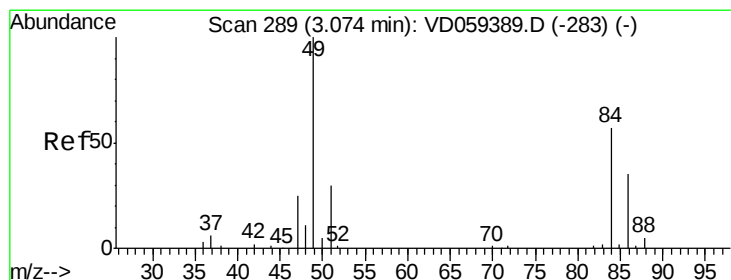
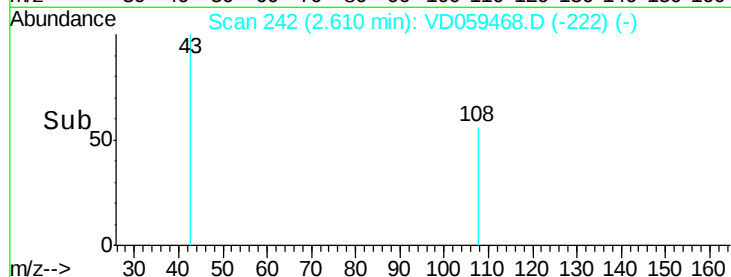
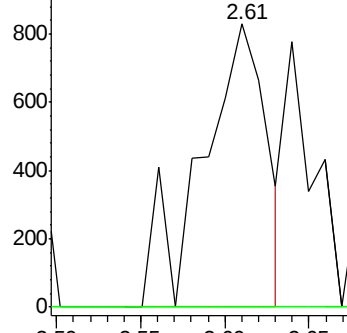
43 100

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



#20

Methylene Chloride

Concen: 5.777 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

Tgt Ion: 84 Resp: 10749

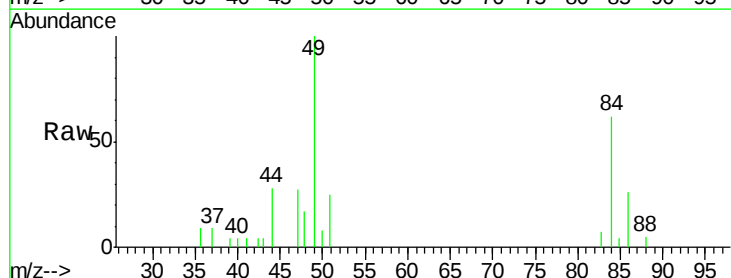
Ion Ratio Lower Upper

84 100

49 161.3 140.3 210.5

51 39.9 41.6 62.4#

86 41.7 49.4 74.2#

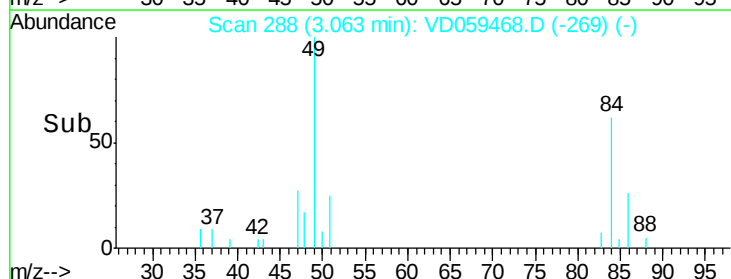
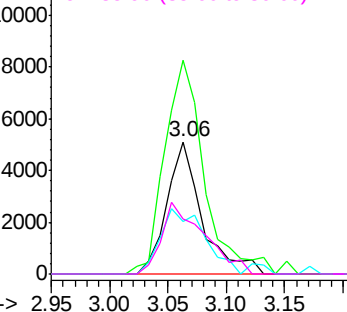


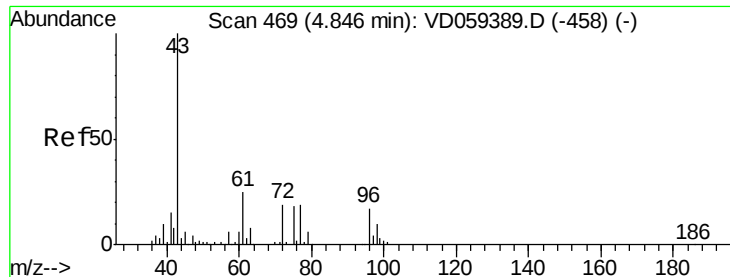
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.038 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

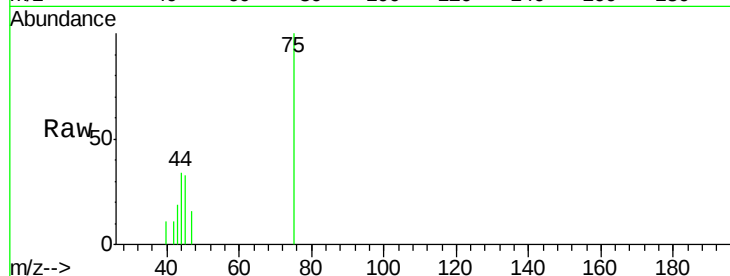
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1056

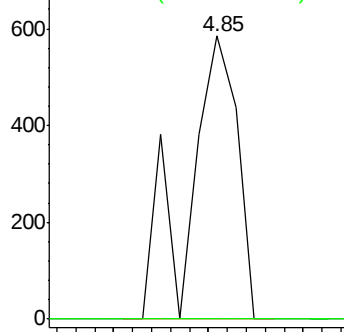
Ion Ratio Lower Upper

43 100

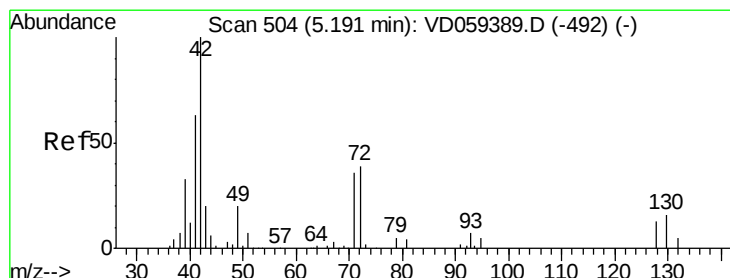
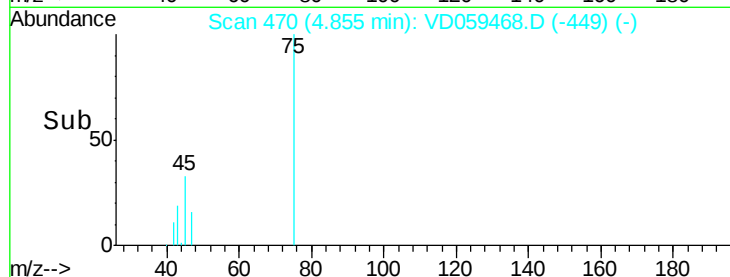
72 0.0 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



Time-->



#29

Tetrahydrofuran

Concen: 2.026 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

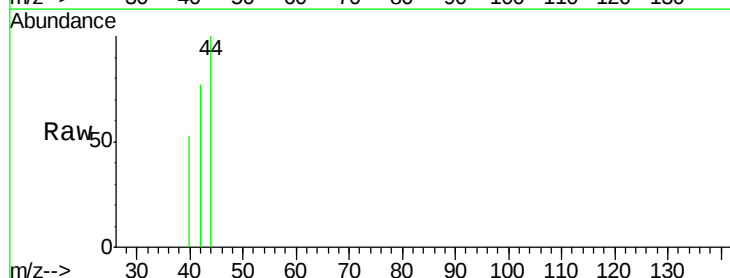
Tgt Ion: 42 Resp: 1127

Ion Ratio Lower Upper

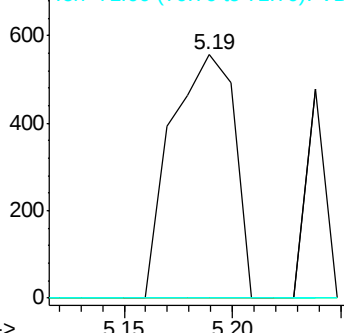
42 100

72 0.0 31.4 47.2#

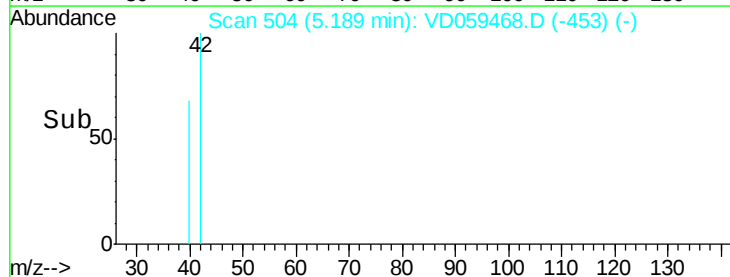
71 0.0 29.7 44.5#

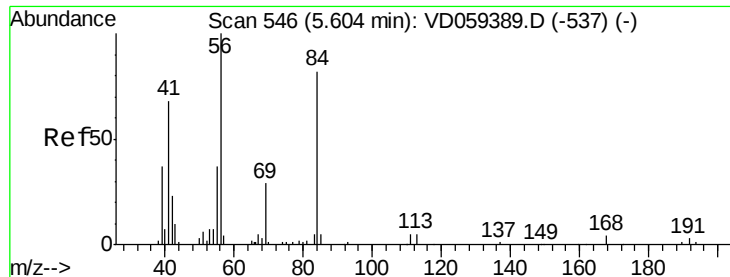


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



Time-->

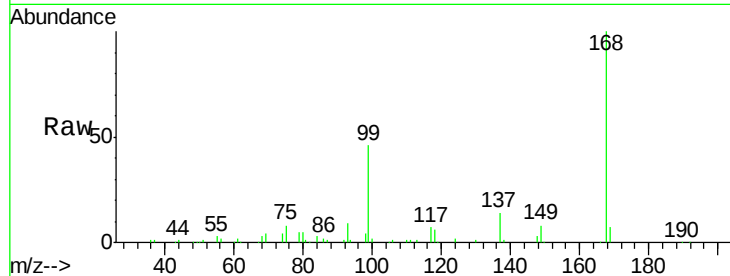




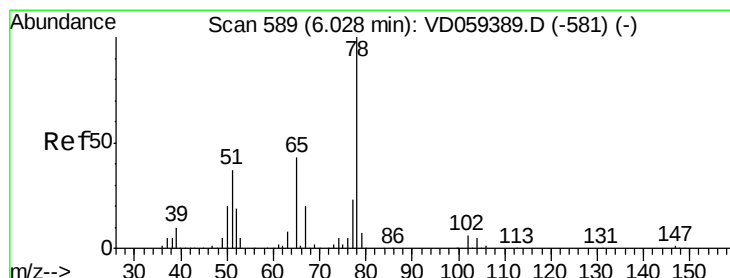
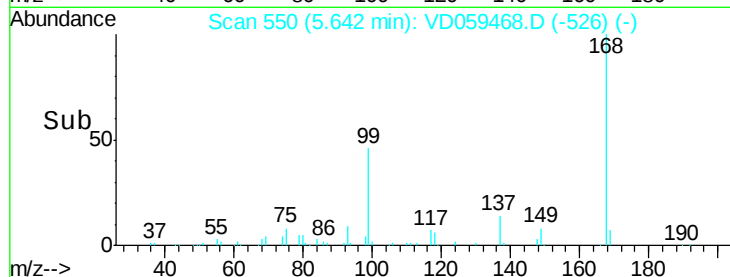
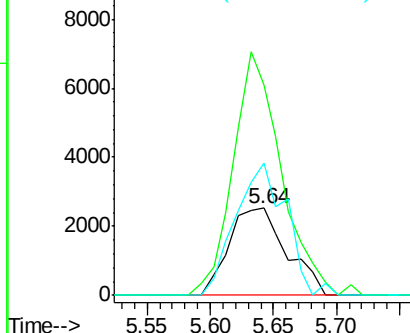
#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8016
Ion Ratio Lower Upper
56 100
69 241.5 22.9 34.3#
84 152.4 67.3 100.9#

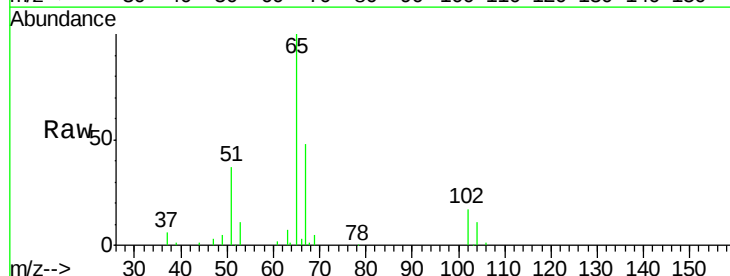


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

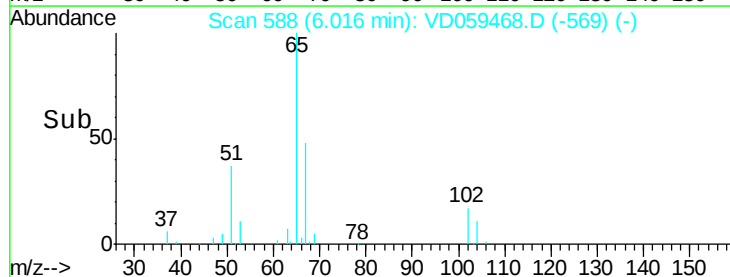
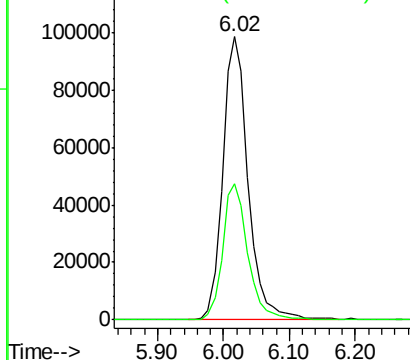


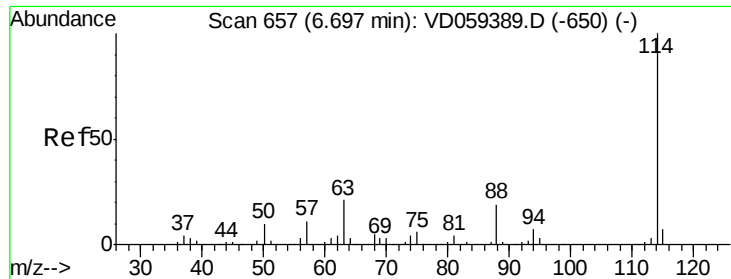
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.02 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Tgt Ion: 65 Resp: 264343
Ion Ratio Lower Upper
65 100
67 48.1 0.0 93.8



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

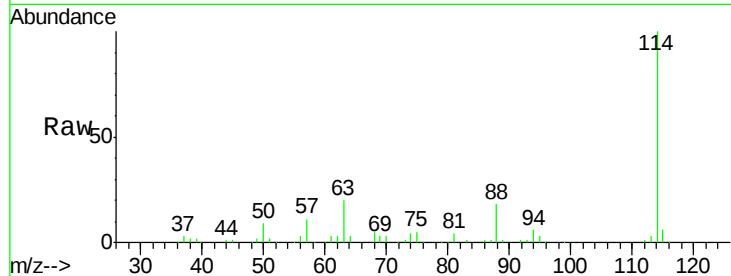




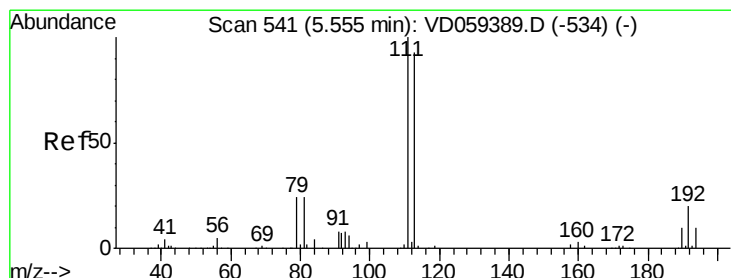
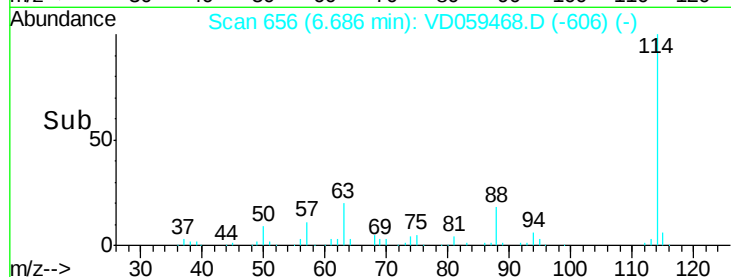
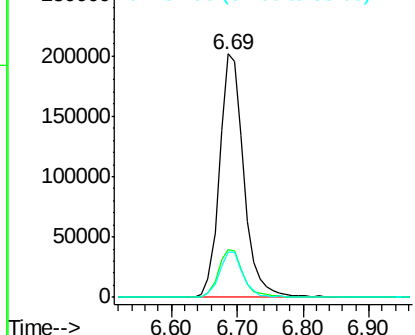
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:114 Resp: 515797
Ion Ratio Lower Upper
114 100
63 19.6 0.0 42.4
88 18.4 0.0 38.0

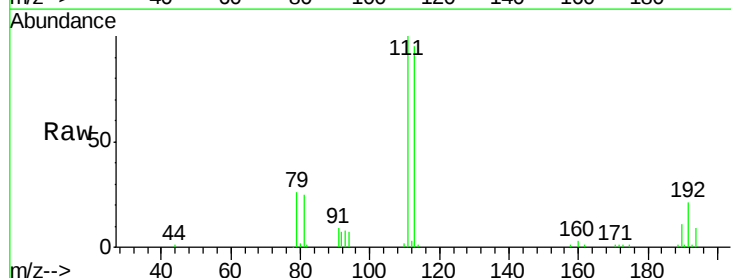


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

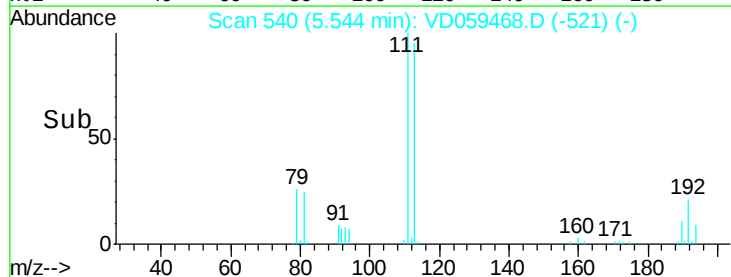
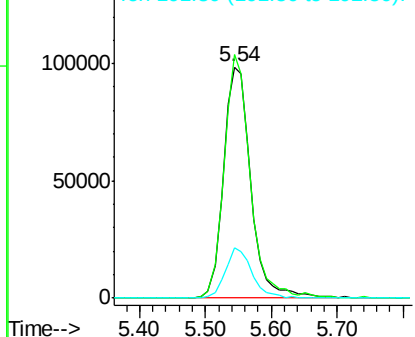


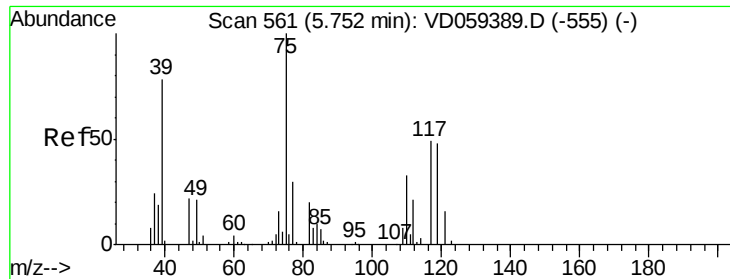
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Tgt Ion:113 Resp: 284680
Ion Ratio Lower Upper
113 100
111 105.3 85.7 128.5
192 21.8 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: 6.577 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.12 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

Instrument :

MSVOA_D

ClientSampled :

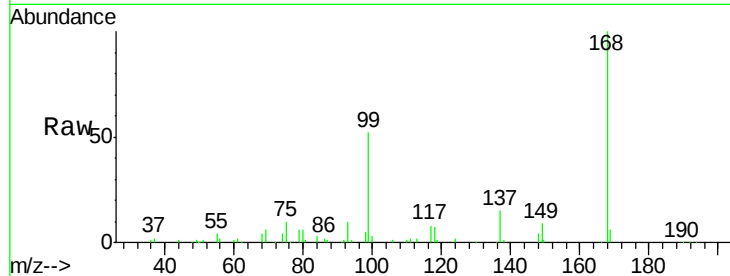
Tot Ion: 75 Resp: 30772

Ion Ratio Lower Upper

75 100

110 7.1 16.1 48.2#

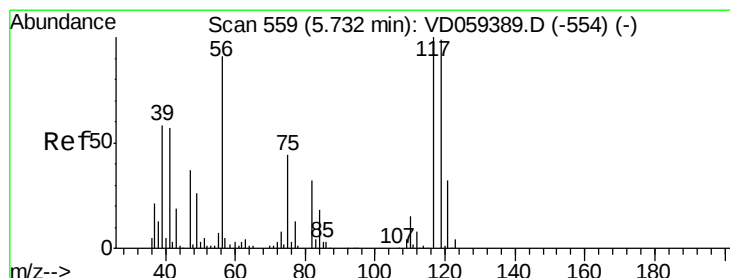
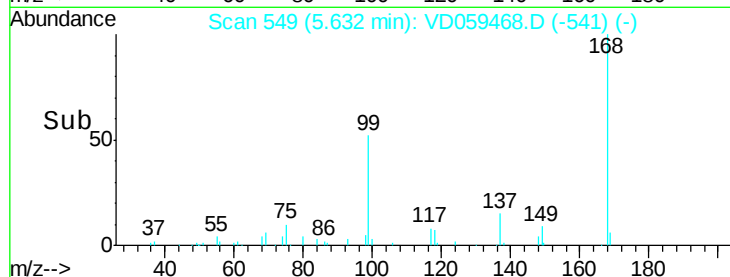
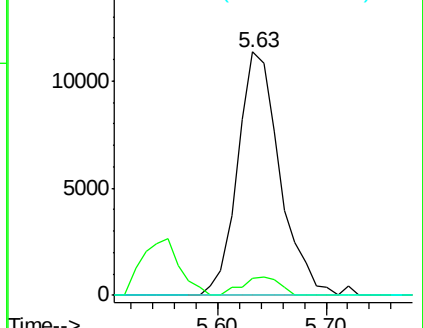
77 0.0 23.4 35.2#



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: 5.954 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

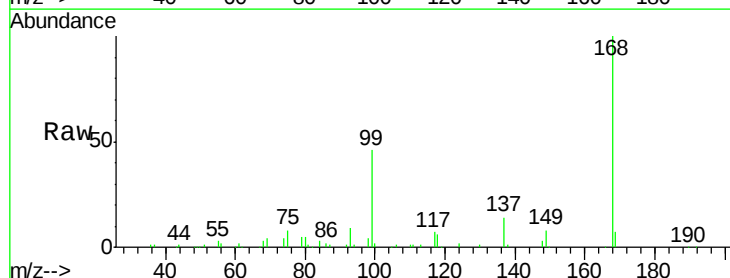
Tgt Ion: 117 Resp: 28724

Ion Ratio Lower Upper

117 100

119 5.5 76.6 115.0#

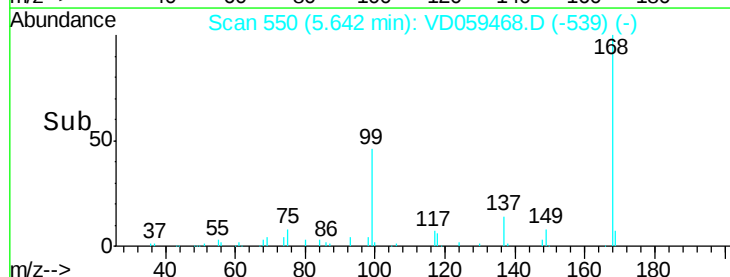
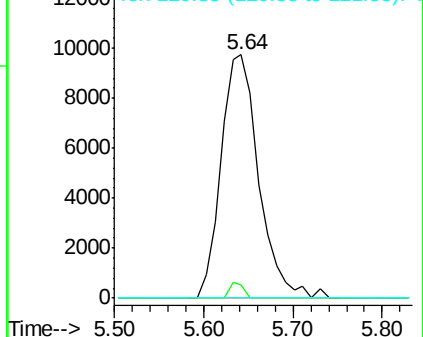
121 0.0 25.0 37.4#

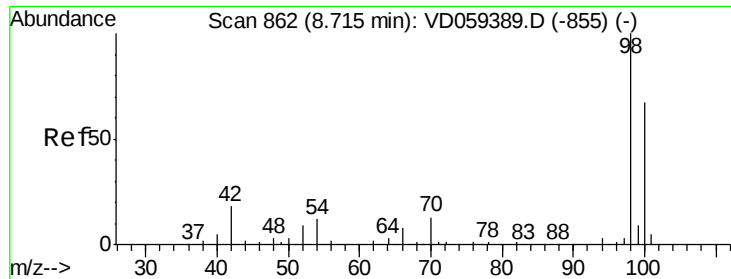


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

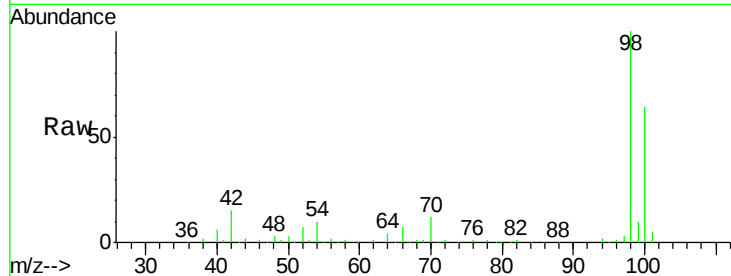




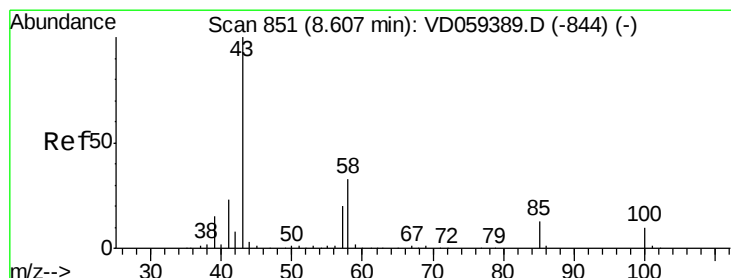
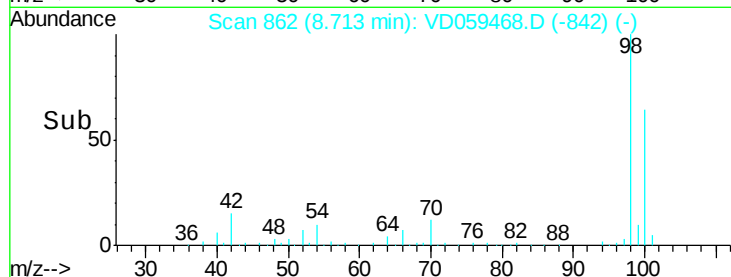
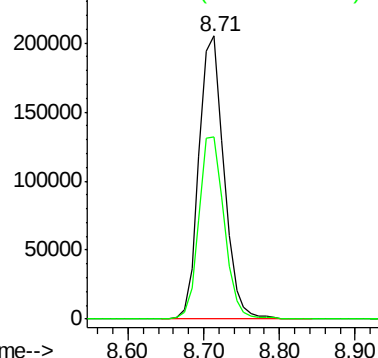
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 467995
Ion Ratio Lower Upper
98 100
100 64.2 54.4 81.6

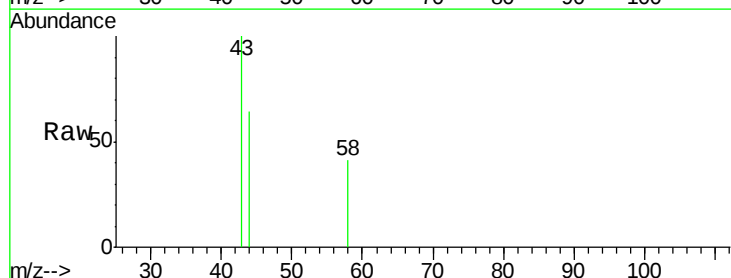


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

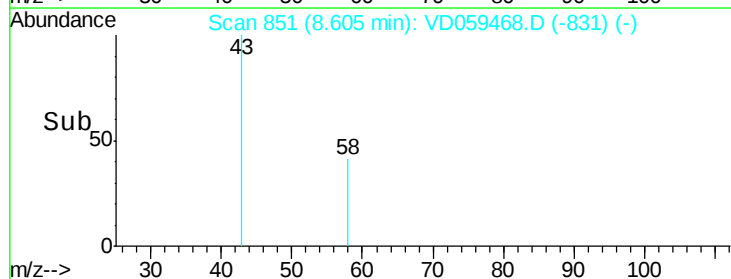
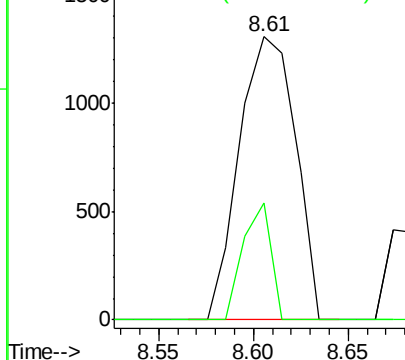


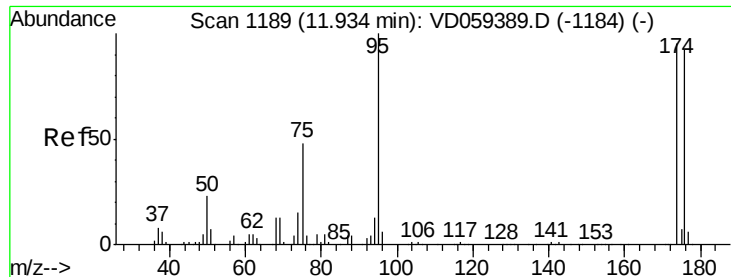
#51
4-Methyl-2-Pentanone
Concen: 1.128 ug/l
RT: 8.61 min Scan# 851
Delta R.T. -0.00 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Tgt Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
58 41.5 26.3 39.5#



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

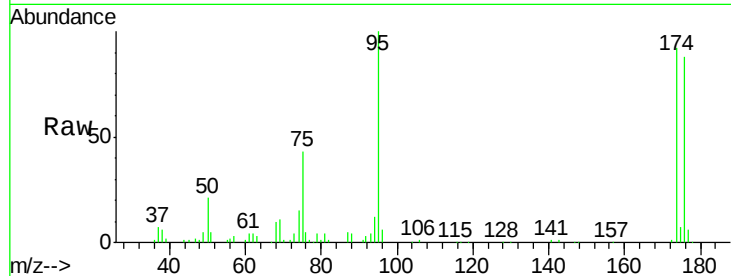




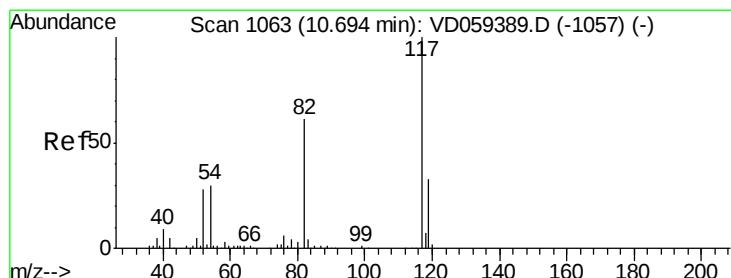
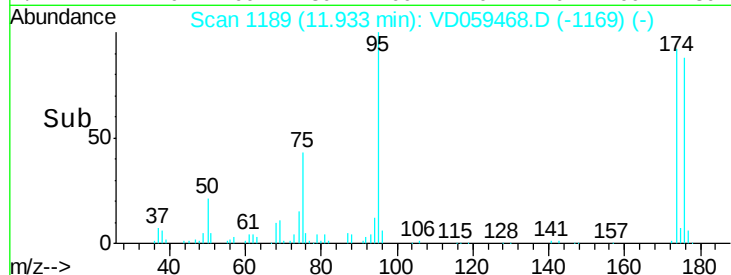
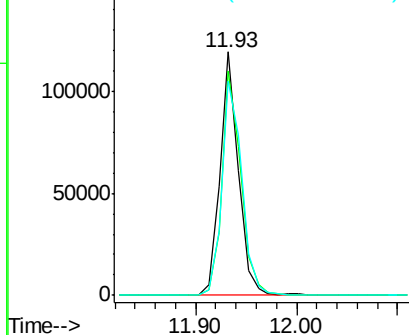
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 152429
Ion Ratio Lower Upper
95 100
174 91.9 0.0 190.4
176 87.8 0.0 183.2

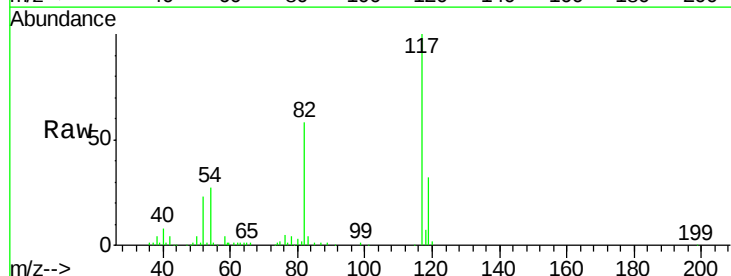


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

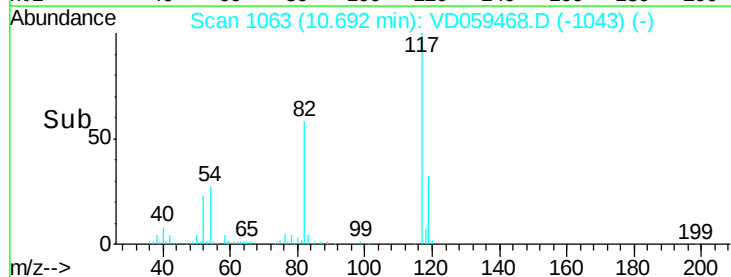
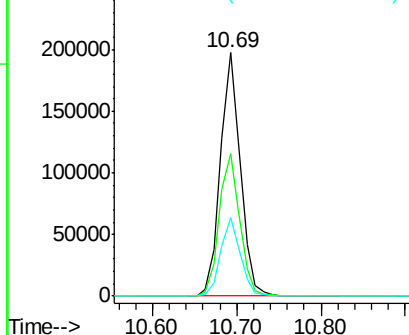


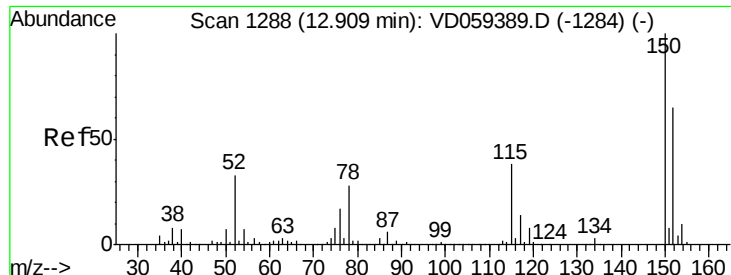
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059468.D
Acq: 28 Jun 2018 17:49

Tgt Ion: 117 Resp: 325594
Ion Ratio Lower Upper
117 100
82 58.3 49.0 73.6
119 32.1 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: VD059468.D

Acq: 28 Jun 2018 17:49

Instrument :

MSVOA_D

ClientSampleId :

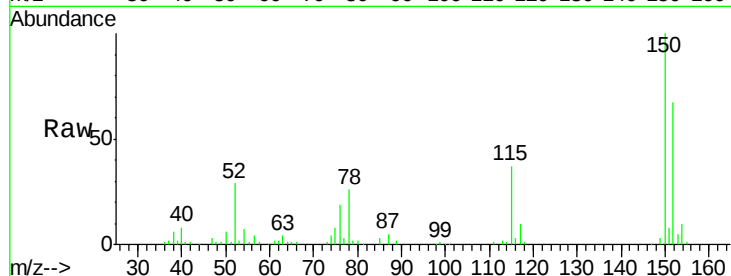
Tot Ion:152 Resp: 94754

Ion Ratio Lower Upper

152 100

115 54.7 29.4 88.3

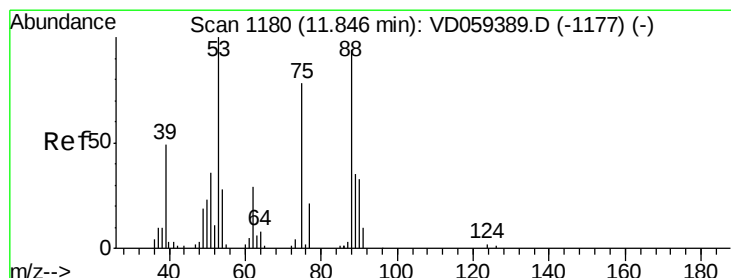
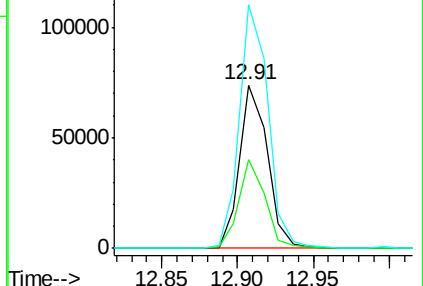
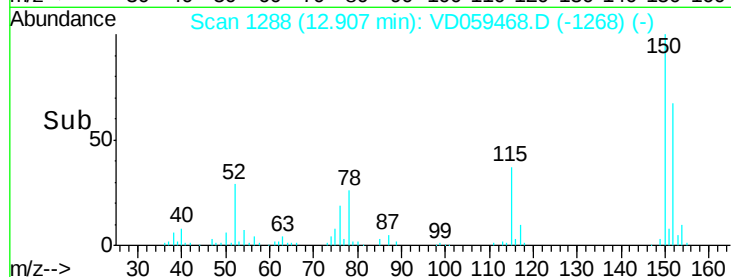
150 149.1 0.0 308.2



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: 234.971 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059468.D

Acq: 28 Jun 2018 17:49

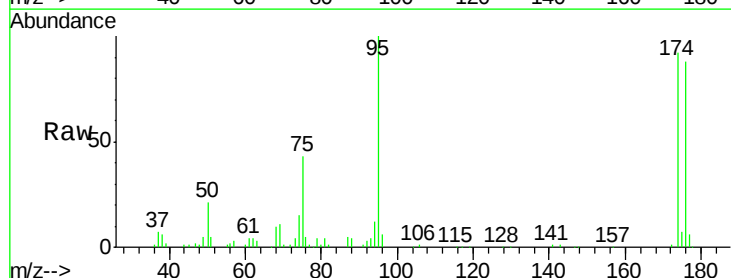
Tgt Ion: 75 Resp: 69802

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

