

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059408.D
 Acq On : 25 Jun 2018 19:34
 Operator : VA/AP
 Sample : J3669-11
 Misc : 2.91g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:48:15 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	5.62	168	825879	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	1034164	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	850973	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	438164	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	379341	44.91	ug/l	-0.03
Spiked Amount			Recovery	=	89.82%	
35) Dibromofluoromethane	5.53	113	370389	43.97	ug/l	-0.02
Spiked Amount			Recovery	=	87.94%	
50) Toluene-d8	8.69	98	795779	40.41	ug/l	-0.02
Spiked Amount			Recovery	=	80.82%	
62) 4-Bromofluorobenzene	11.92	95	360322	43.99	ug/l	-0.01
Spiked Amount			Recovery	=	87.98%	

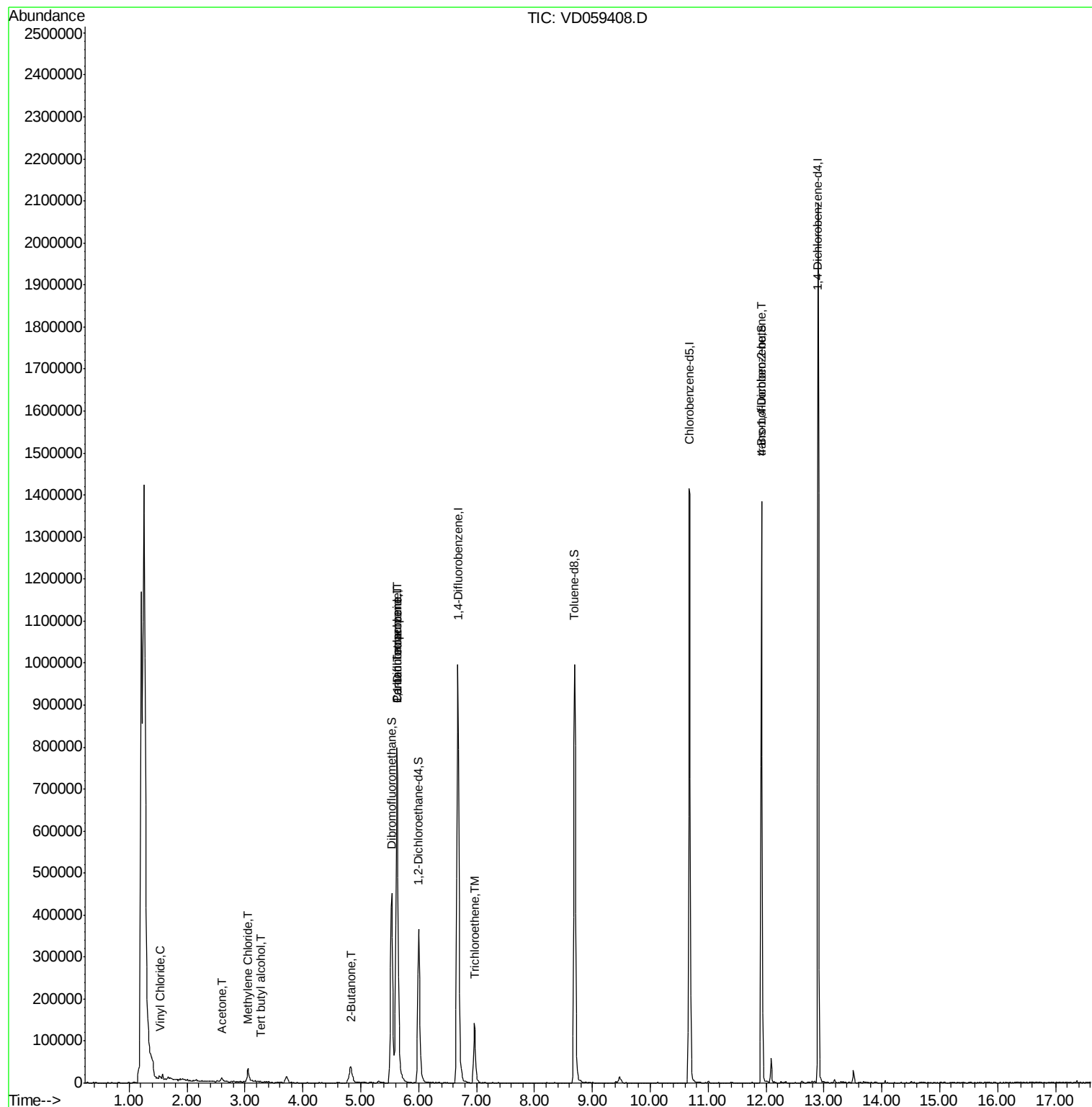
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.54	62	4165	1.050	ug/l	97
5) Bromomethane	1.79	94	702	Below Cal	#	4
11) Tert butyl alcohol	3.27	59	457	1.564	ug/l #	72
16) Acetone	2.59	43	17012	15.960	ug/l #	88
18) Methyl Acetate	2.92	43	675	Below Cal	#	66
20) Methylene Chloride	3.04	84	16344	3.193	ug/l #	82
25) 2-Butanone	4.83	43	5013	2.245	ug/l #	57
31) Cyclohexane	5.62	56	17398	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	63206	6.737	ug/l #	51
38) Carbon Tetrachloride	5.62	117	69965	7.234	ug/l #	17
44) Trichloroethene	6.96	130	57881	7.852	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.92	75	165621	120.566	ug/l #	1

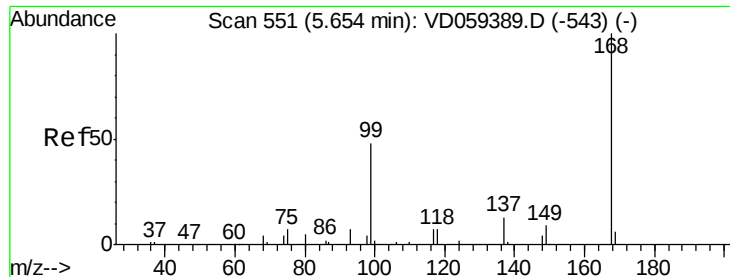
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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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: 5.62 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

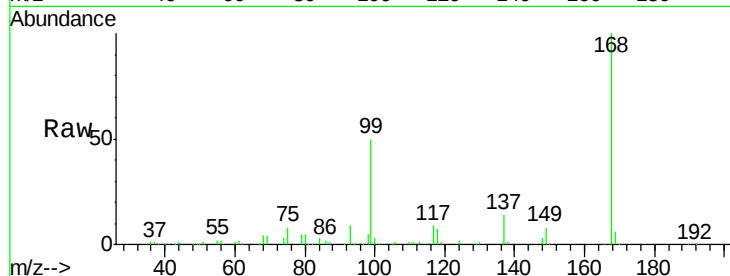
ClientSampleId :

Tot Ion:168 Resp: 825879

Ion Ratio Lower Upper

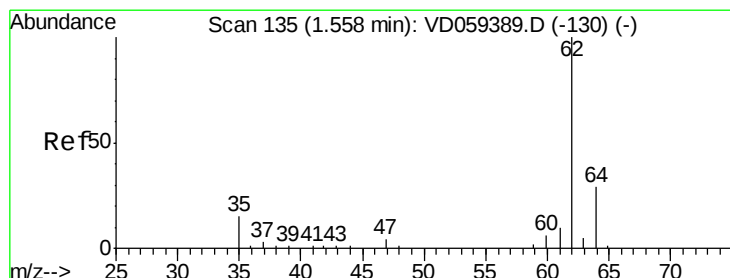
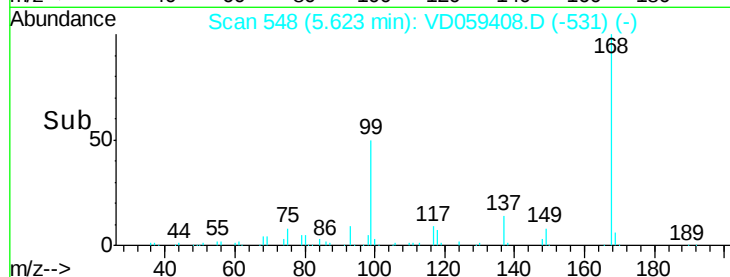
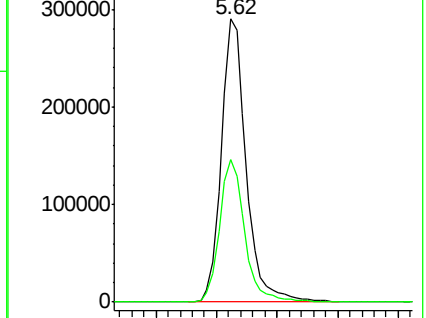
168 100

99 50.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 1.050 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.02 min

Lab File: VD059408.D

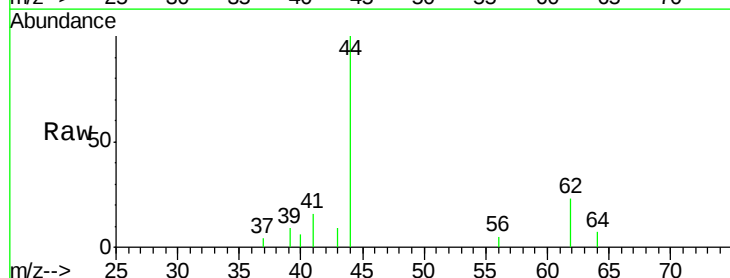
Acq: 25 Jun 2018 19:34

Tgt Ion: 62 Resp: 4165

Ion Ratio Lower Upper

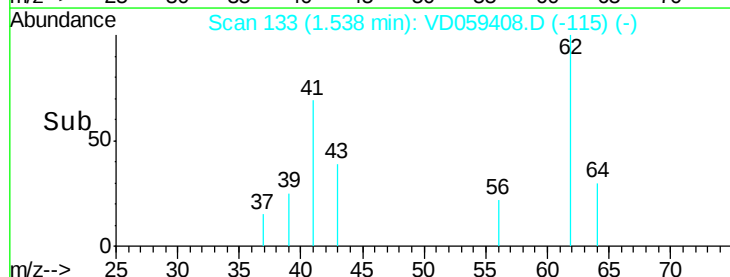
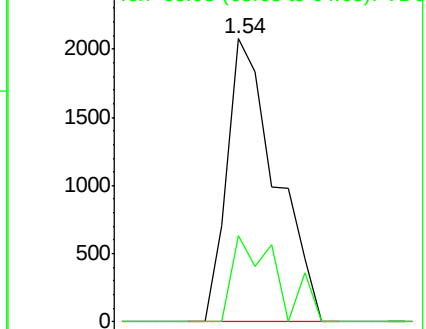
62 100

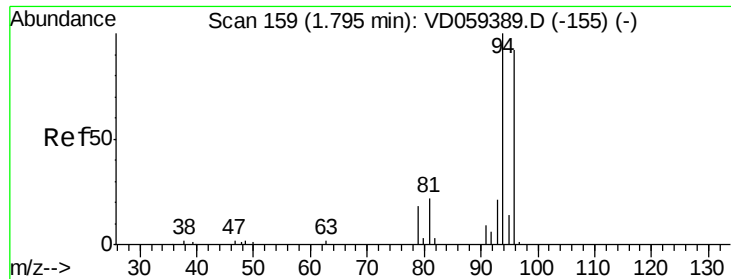
64 30.5 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: Below Cal

RT: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

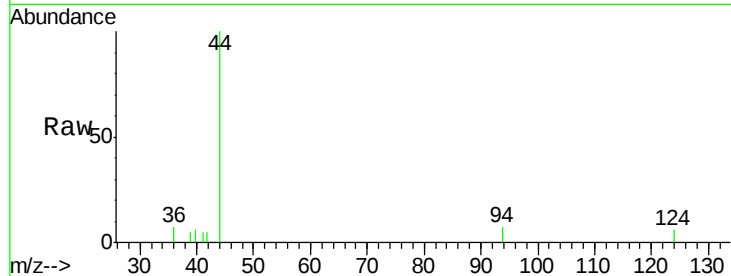
ClientSampleId :

Tot Ion: 94 Resp: 702

Ion Ratio Lower Upper

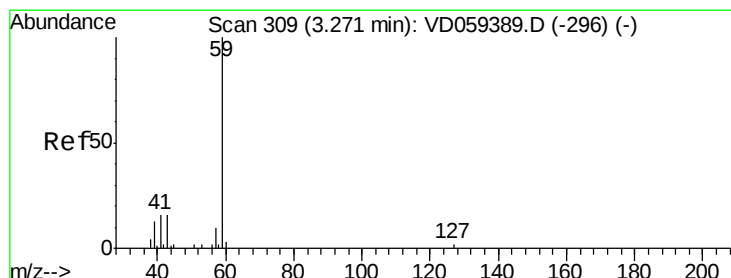
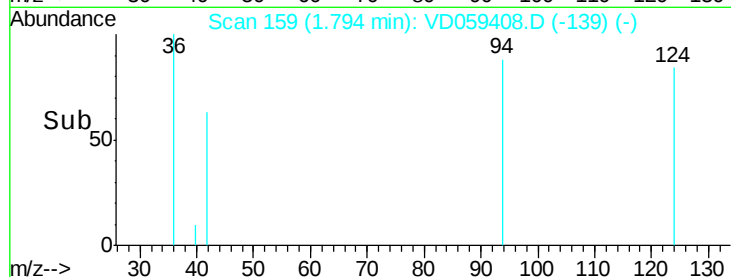
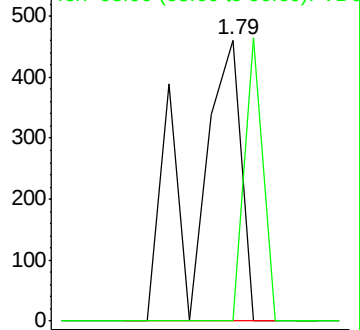
94 100

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



#11

Tert butyl alcohol

Concen: 1.564 ug/l

RT: 3.27 min Scan# 309

Delta R.T. -0.00 min

Lab File: VD059408.D

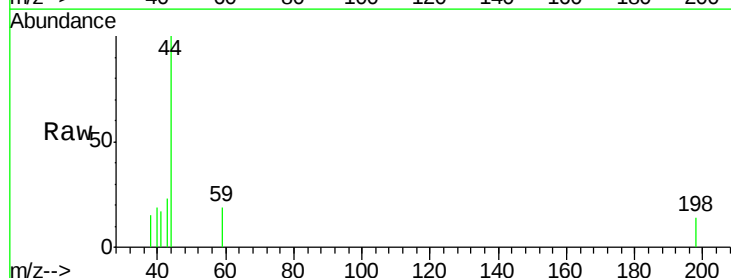
Acq: 25 Jun 2018 19:34

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

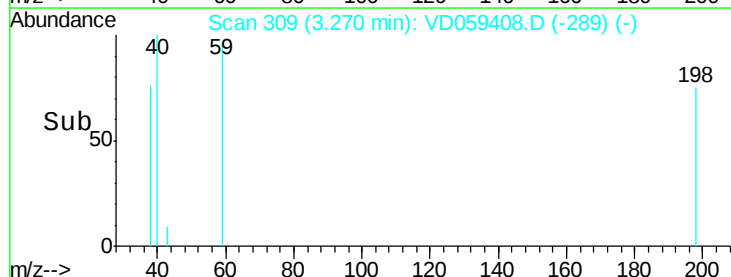
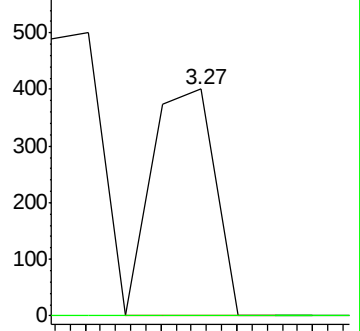
59 100

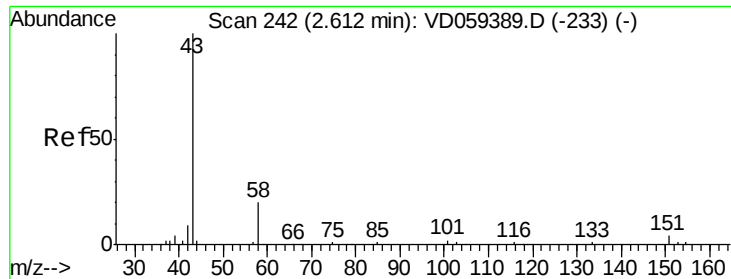
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 15.960 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

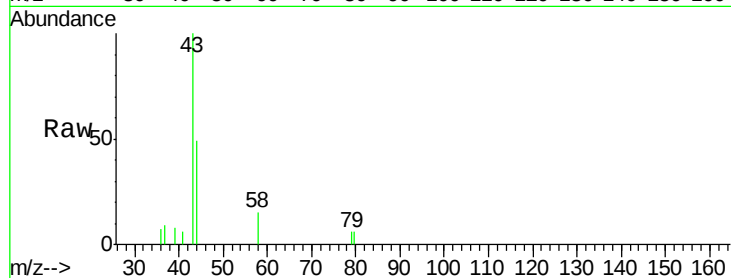
ClientSampleId :

Tot Ion: 43 Resp: 17012

Ion Ratio Lower Upper

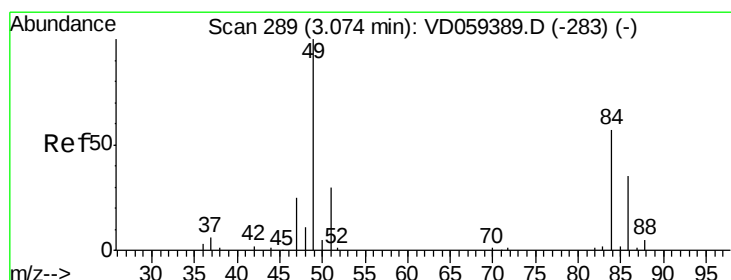
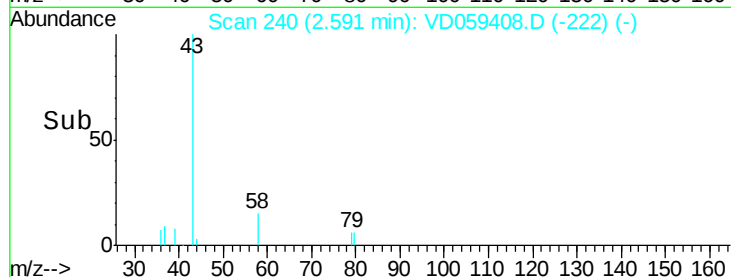
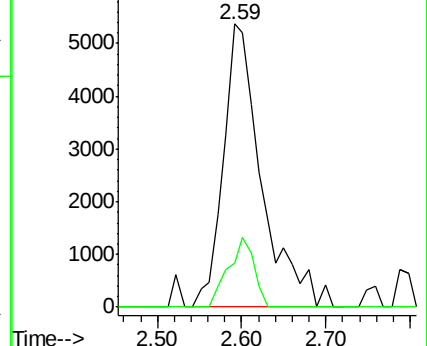
43 100

58 15.5 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: 3.193 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.03 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Tgt Ion: 84 Resp: 16344

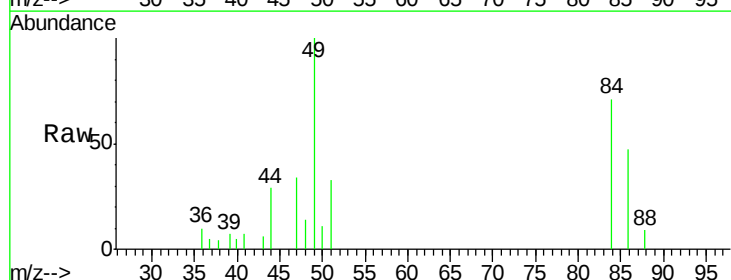
Ion Ratio Lower Upper

84 100

49 140.2 140.3 210.5#

51 46.9 41.6 62.4

86 65.3 49.4 74.2

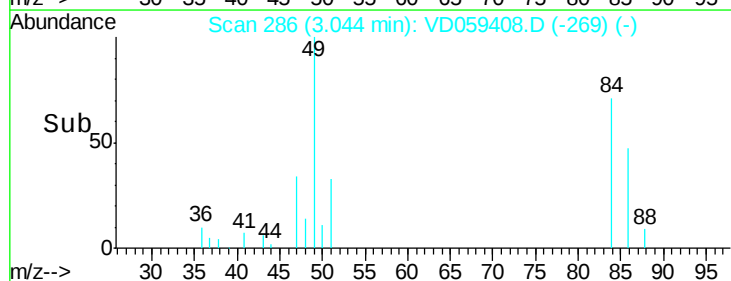
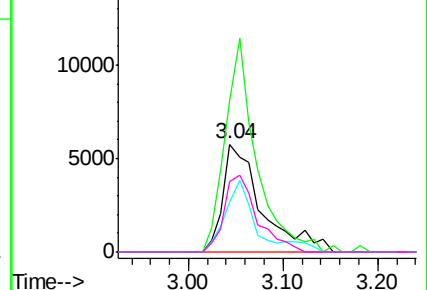


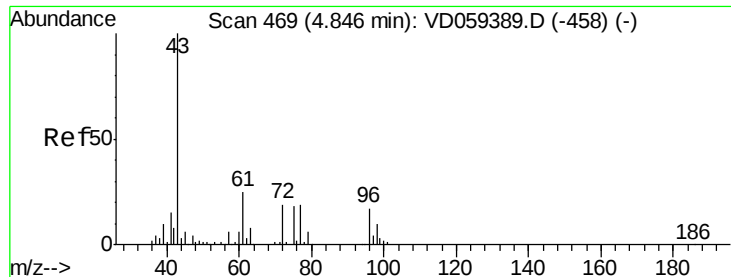
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.245 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

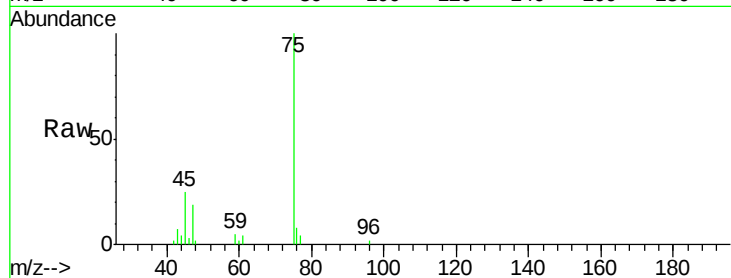
ClientSampleId :

Tot Ion: 43 Resp: 5013

Ion Ratio Lower Upper

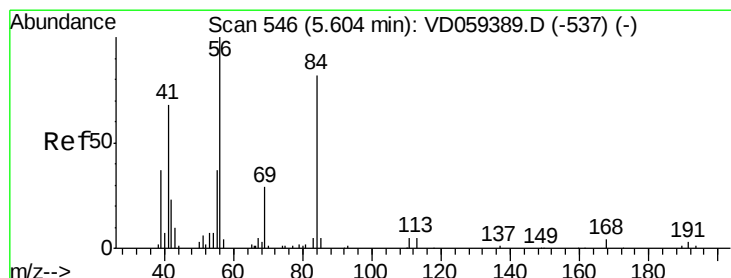
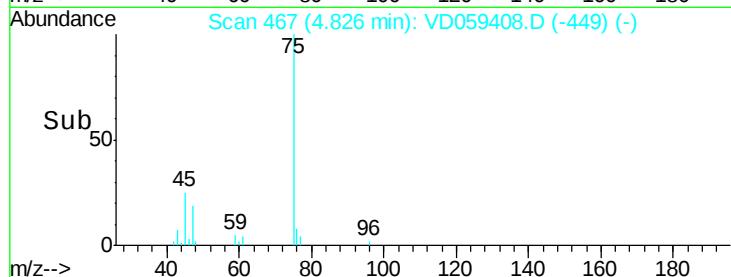
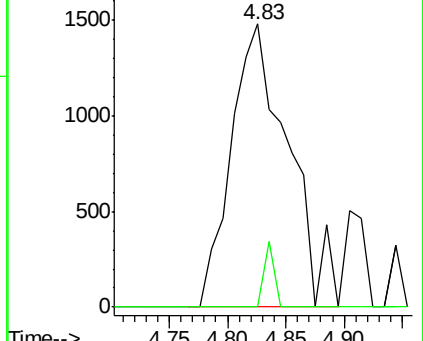
43 100

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

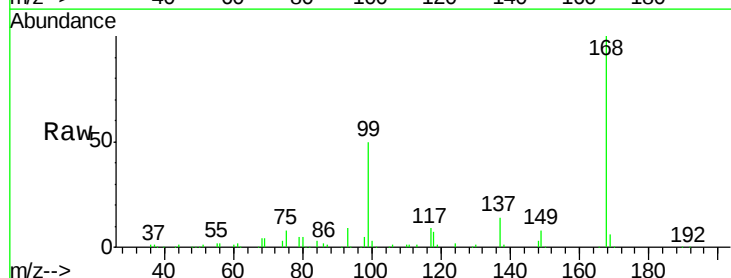
Tgt Ion: 56 Resp: 17398

Ion Ratio Lower Upper

56 100

69 210.4 22.9 34.3#

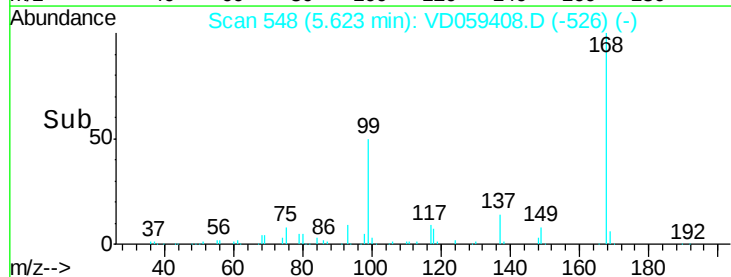
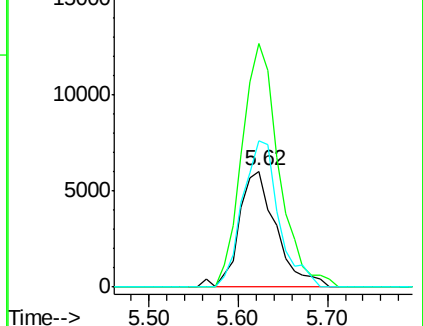
84 126.4 67.3 100.9#

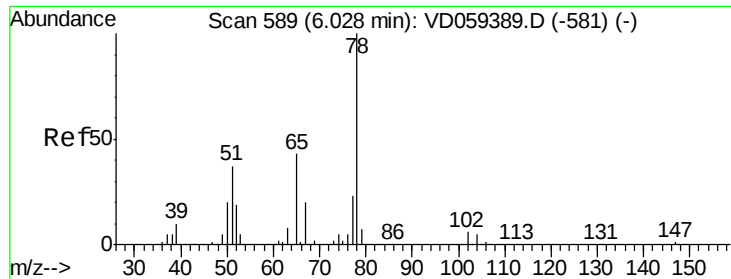


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.00 min Scan# 586

Delta R.T. -0.03 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

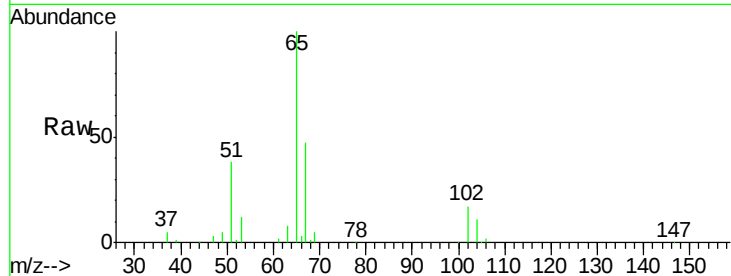
ClientSampleId :

Tot Ion: 65 Resp: 379341

Ion Ratio Lower Upper

65 100

67 47.4 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

150000

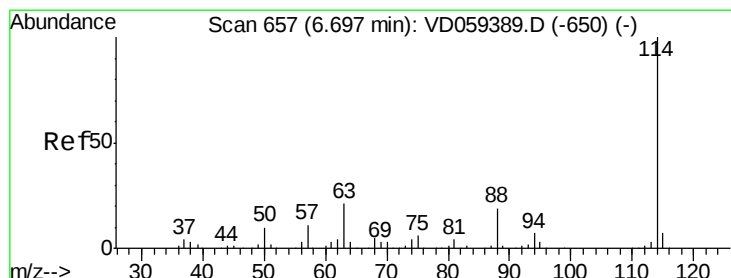
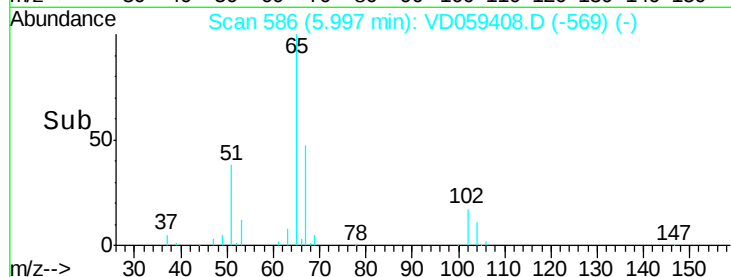
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

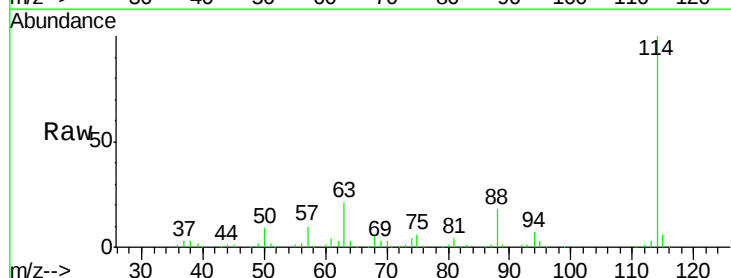
Tgt Ion: 114 Resp: 1034164

Ion Ratio Lower Upper

114 100

63 20.5 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

6.68

500000

400000

300000

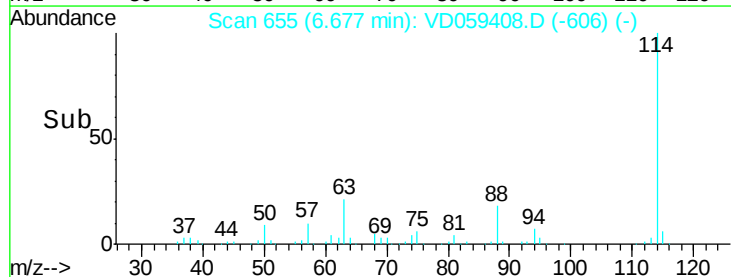
200000

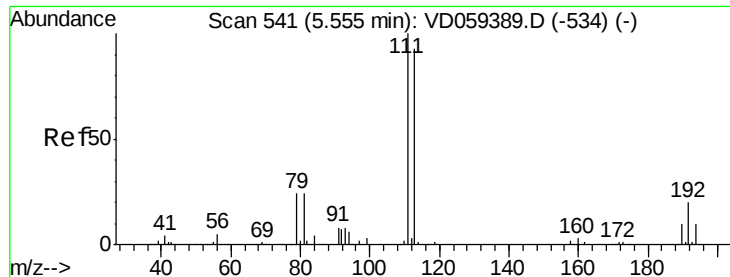
100000

0

Time-->

6.50 6.60 6.70 6.80 6.90

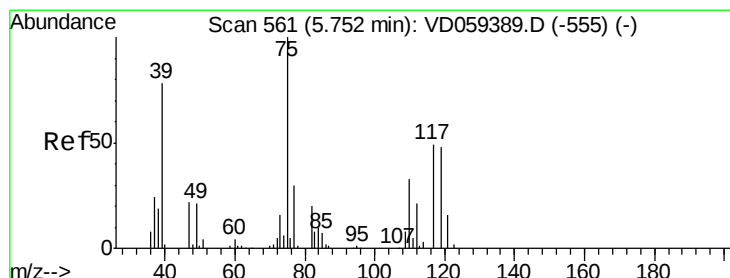
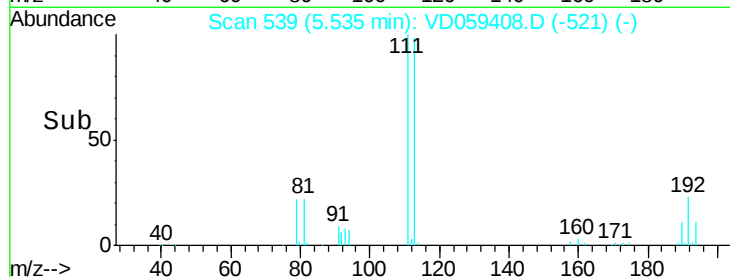
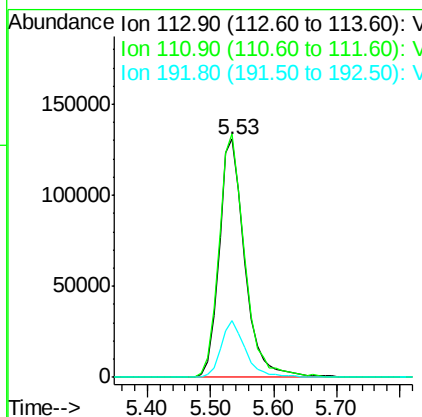
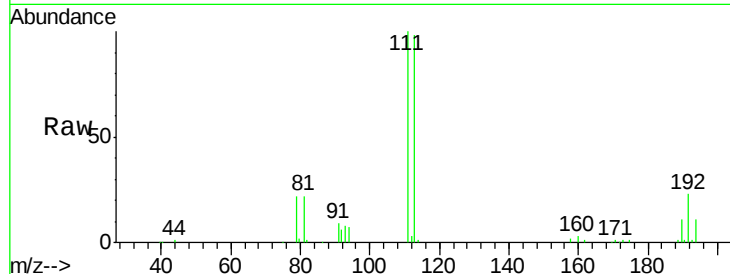




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059408.D
 Acq: 25 Jun 2018 19:34

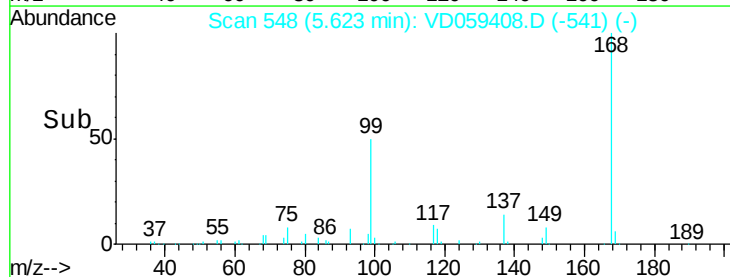
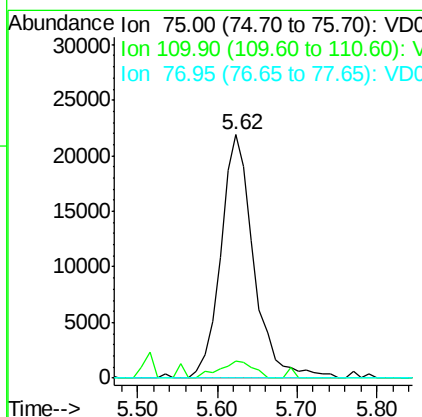
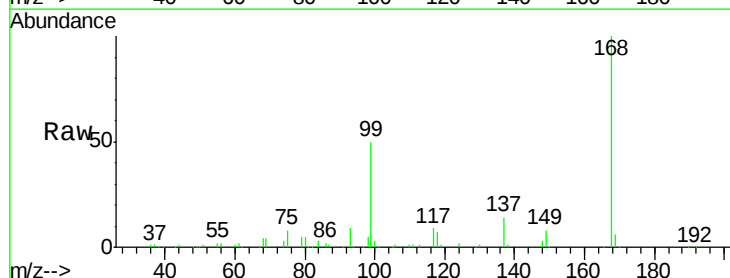
Instrument :
 MSVOA_D
 ClientSampleId :

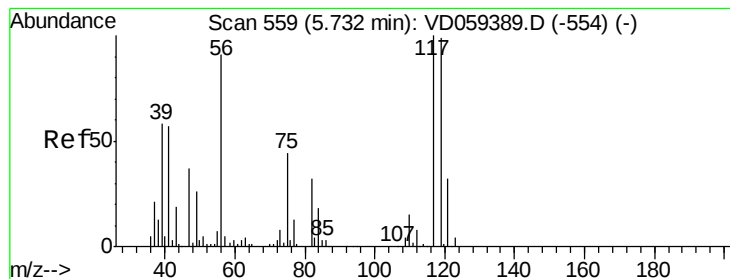
Tot Ion:113 Resp: 370389
 Ion Ratio Lower Upper
 113 100
 111 102.1 85.7 128.5
 192 23.5 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.737 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059408.D
 Acq: 25 Jun 2018 19:34

Tgt Ion: 75 Resp: 63206
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.1 48.2#
 77 0.0 23.4 35.2#





#38

Carbon Tetrachloride

Concen: 7.234 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.11 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

ClientSampleId :

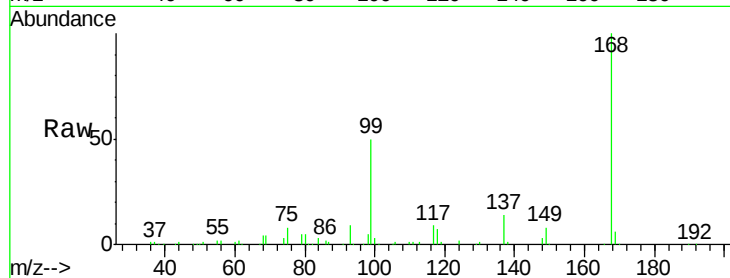
Tot Ion:117 Resp: 69965

Ion Ratio Lower Upper

117 100

119 6.6 76.6 115.0#

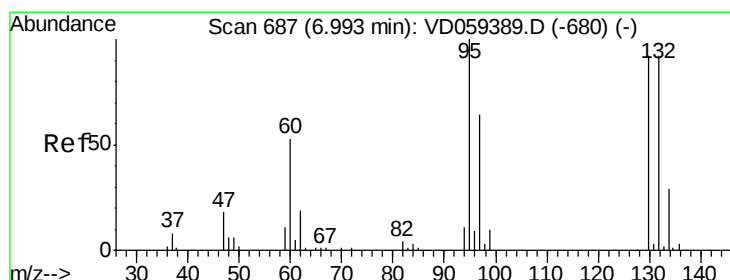
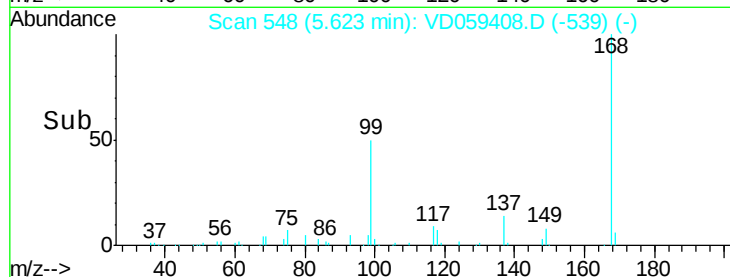
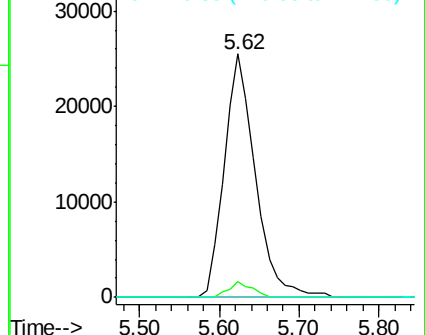
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 7.852 ug/l

RT: 6.96 min Scan# 684

Delta R.T. -0.03 min

Lab File: VD059408.D

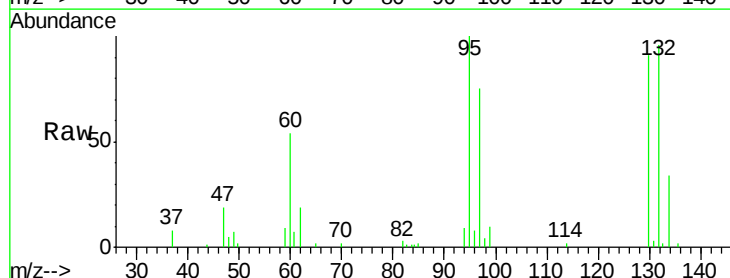
Acq: 25 Jun 2018 19:34

Tgt Ion:130 Resp: 57881

Ion Ratio Lower Upper

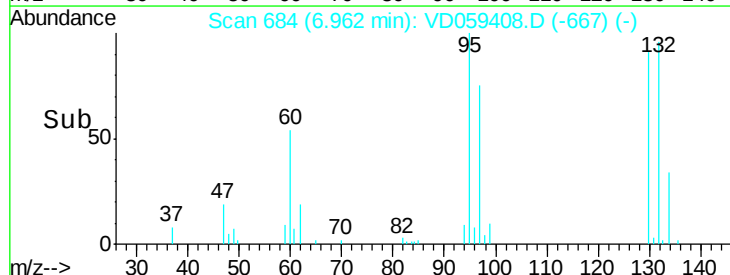
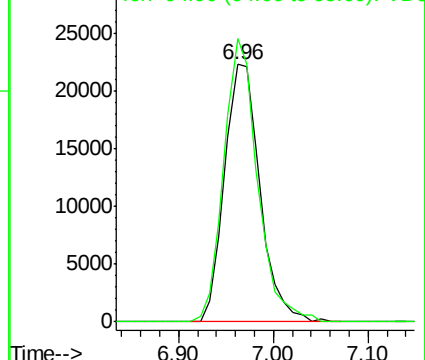
130 100

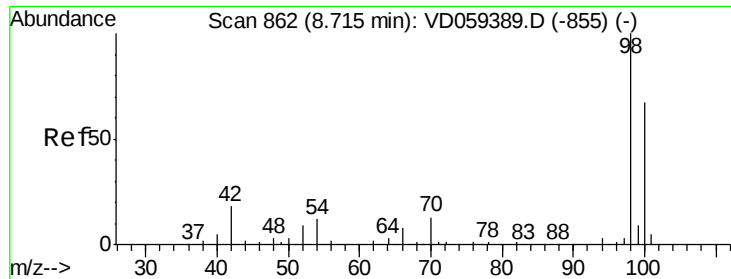
95 109.9 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

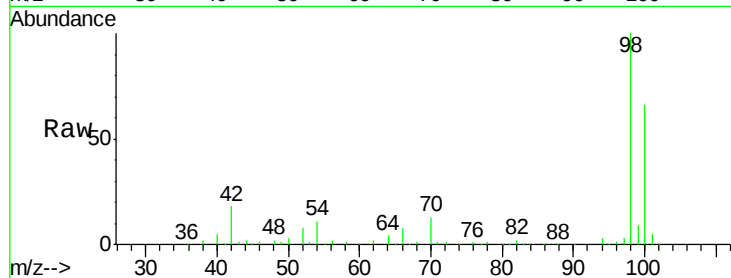




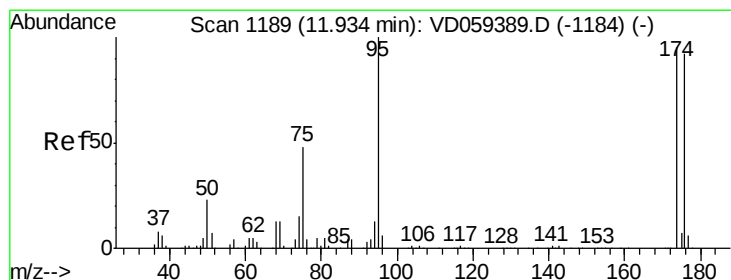
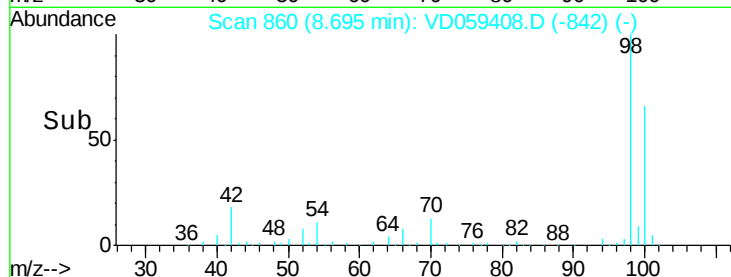
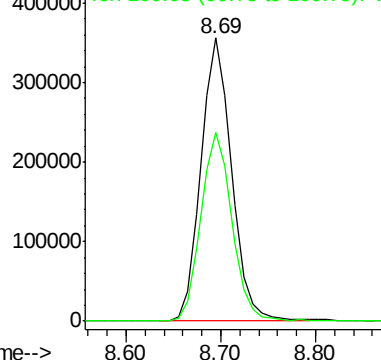
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.02 min
Lab File: VD059408.D
Acq: 25 Jun 2018 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 795779
Ion Ratio Lower Upper
98 100
100 66.5 54.4 81.6

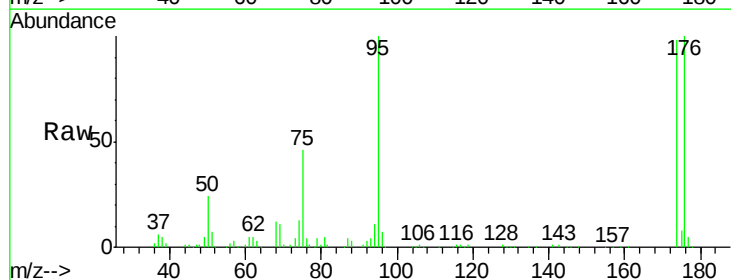


Abundance Ion 98.05 (97.75 to 98.75): VD059389.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059389.D (-855) (-)

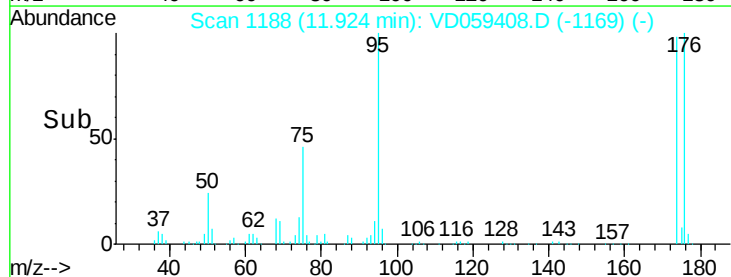
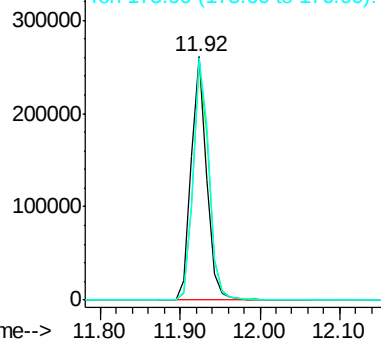


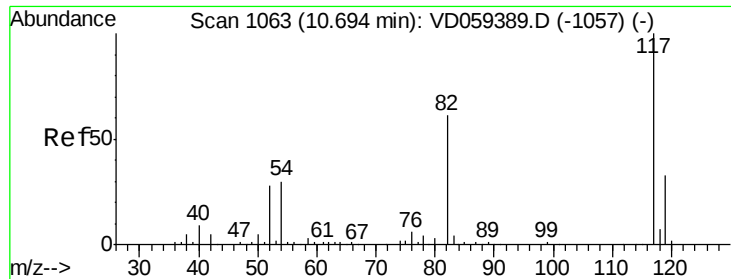
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VD059408.D
Acq: 25 Jun 2018 19:34

Tgt Ion: 95 Resp: 360322
Ion Ratio Lower Upper
95 100
174 98.2 0.0 190.4
176 99.5 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) (-)

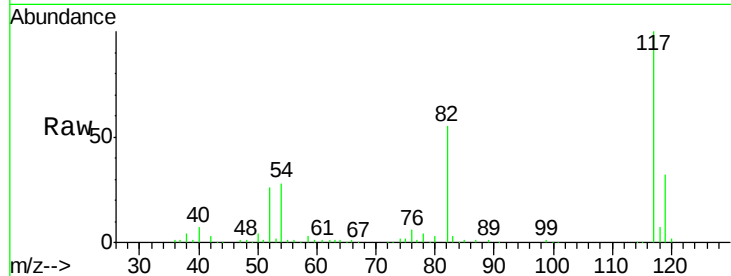




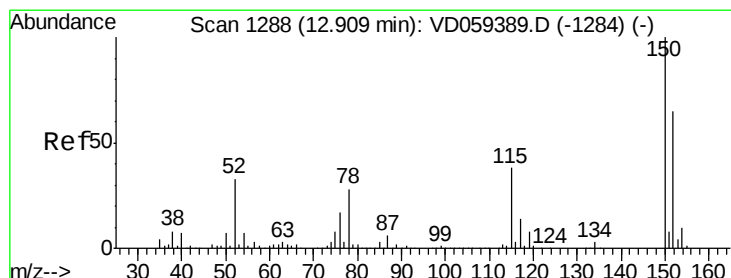
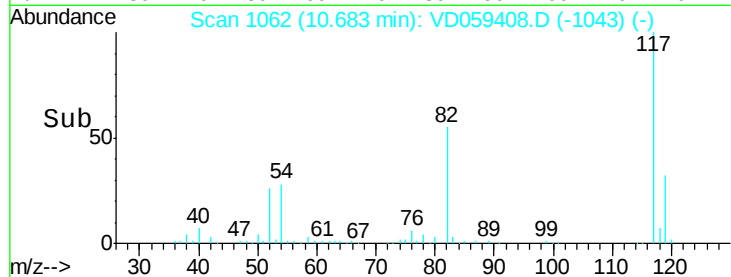
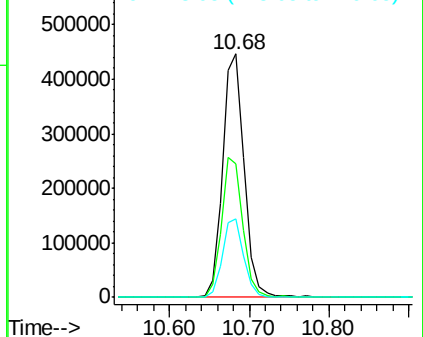
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059408.D
Acq: 25 Jun 2018 19:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 850973
Ion Ratio Lower Upper
117 100
82 54.8 49.0 73.6
119 32.4 26.2 39.4

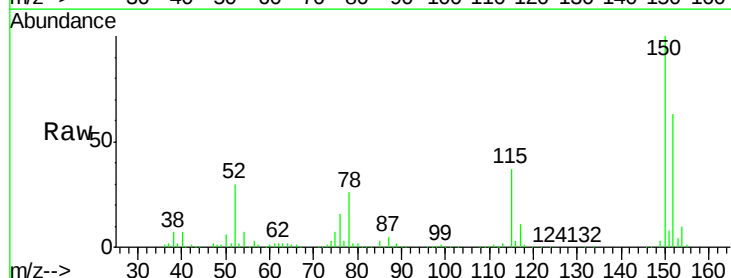


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

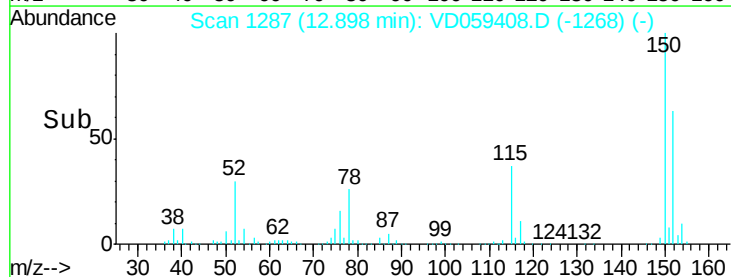
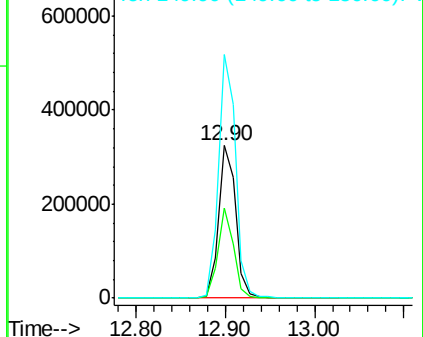


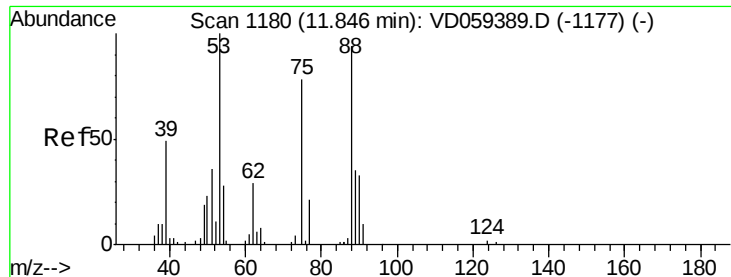
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059408.D
Acq: 25 Jun 2018 19:34

Tgt Ion:152 Resp: 438164
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.3
150 159.6 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: 120.566 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059408.D

Acq: 25 Jun 2018 19:34

Instrument :

MSVOA_D

ClientSampleId :

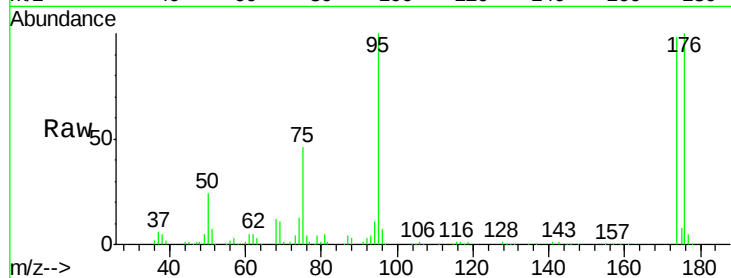
Tot Ion: 75 Resp: 165621

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

