

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059405.D
 Acq On : 25 Jun 2018 18:09
 Operator : VA/AP
 Sample : J3663-14RE
 Misc : 6.12g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 26 06:47:48 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	681198	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	830723	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	717076	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	402252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	301562	43.29	ug/l	-0.02
Spiked Amount			Recovery	=	86.58%	
35) Dibromofluoromethane	5.53	113	288273	42.60	ug/l	-0.02
Spiked Amount			Recovery	=	85.20%	
50) Toluene-d8	8.69	98	654994	41.41	ug/l	-0.02
Spiked Amount			Recovery	=	82.82%	
62) 4-Bromofluorobenzene	11.92	95	303964	46.20	ug/l	-0.01
Spiked Amount			Recovery	=	92.40%	

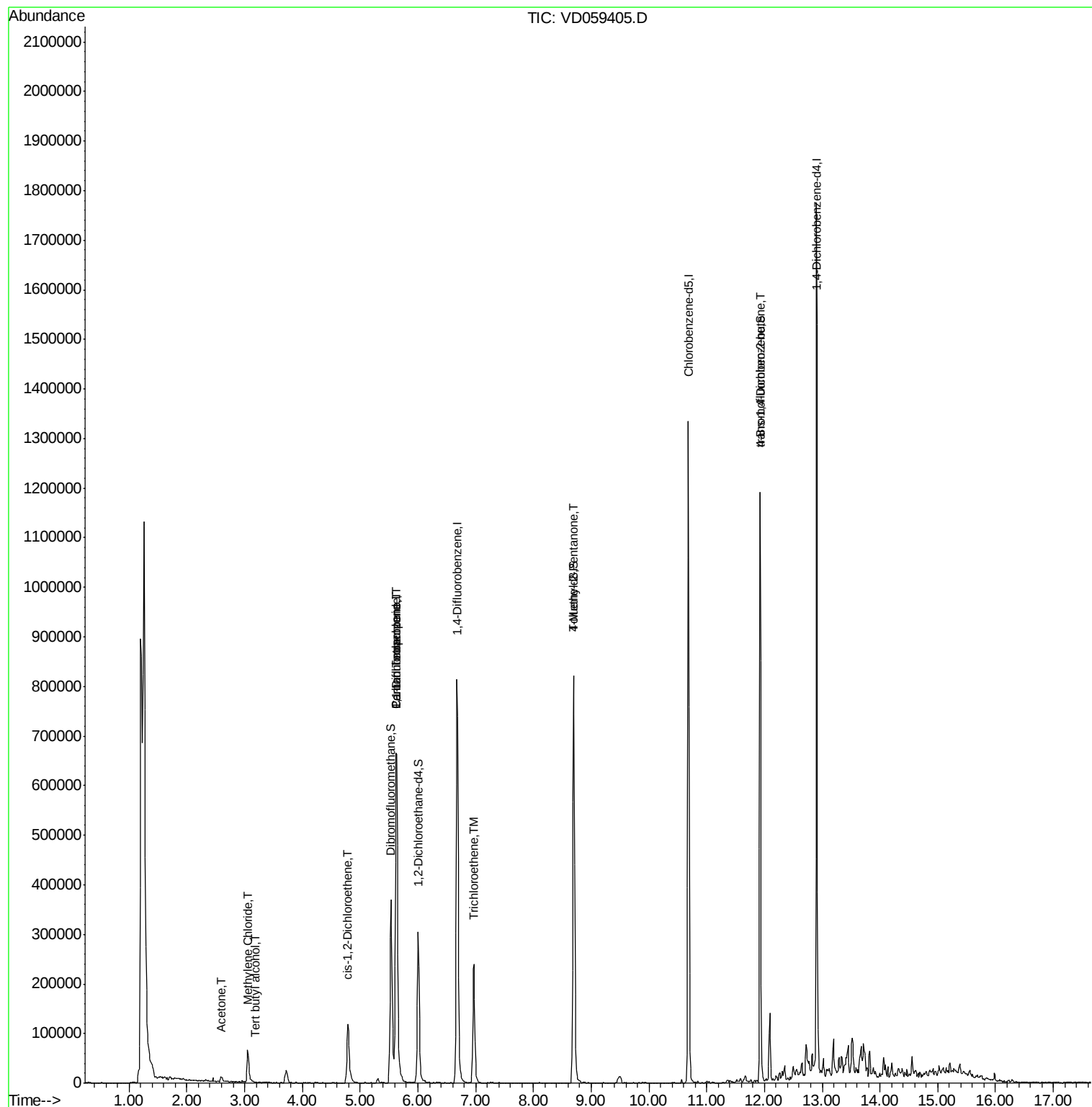
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.80	94	520	Below Cal	#	4
11) Tert butyl alcohol	3.17	59	241	1.000	ug/l #	72
16) Acetone	2.59	43	21728	24.713	ug/l	98
18) Methyl Acetate	2.91	43	299	Below Cal	#	66
20) Methylene Chloride	3.05	84	30499	10.539	ug/l	94
27) cis-1,2-Dichloroethene	4.80	96	65766	9.861	ug/l	79
31) Cyclohexane	5.62	56	14856	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	49821	6.611	ug/l #	55
38) Carbon Tetrachloride	5.63	117	59409	7.646	ug/l #	15
44) Trichloroethene	6.97	130	99828	16.859	ug/l	98
51) 4-Methyl-2-Pentanone	8.70	43	4495	1.170	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.92	75	148325	117.615	ug/l #	1

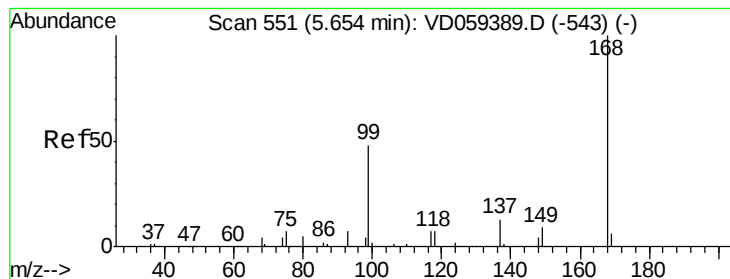
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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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: VD059405.D

Acq: 25 Jun 2018 18:09

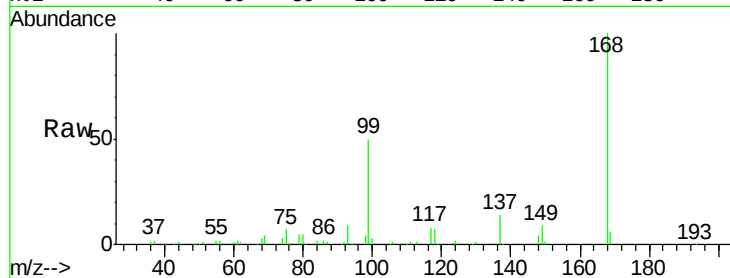
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 681198

Ion Ratio Lower Upper

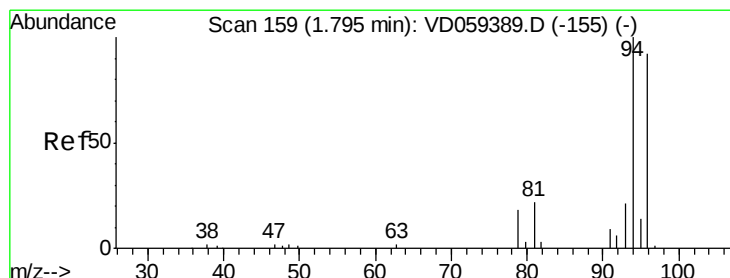
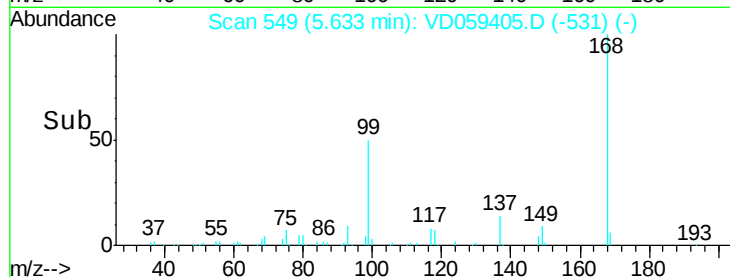
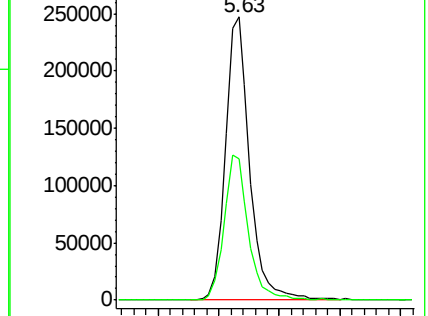
168 100

99 49.8 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: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD059405.D

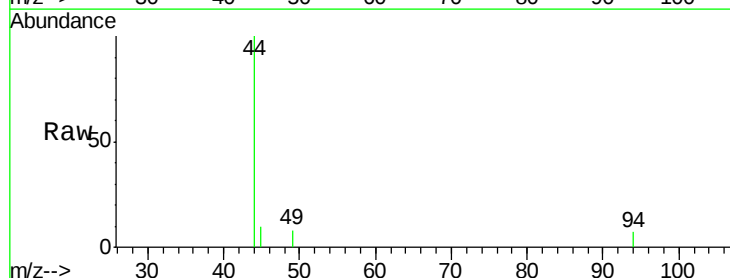
Acq: 25 Jun 2018 18:09

Tgt Ion: 94 Resp: 520

Ion Ratio Lower Upper

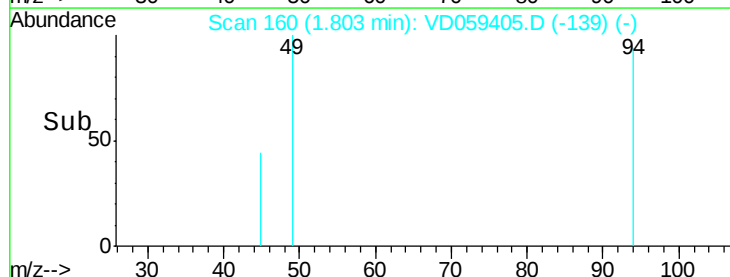
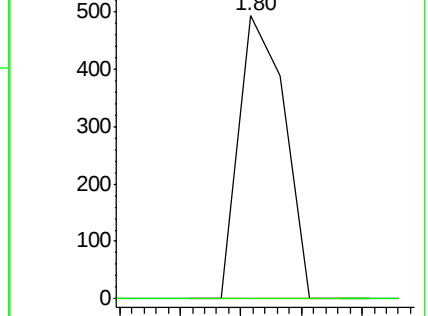
94 100

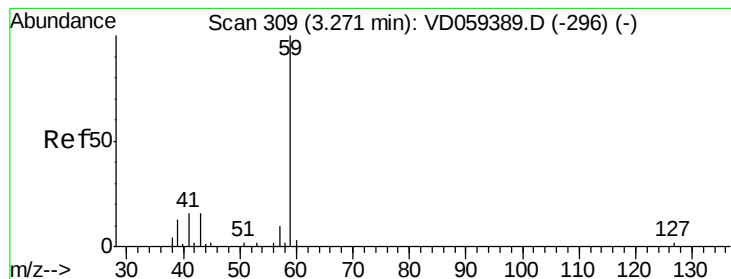
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



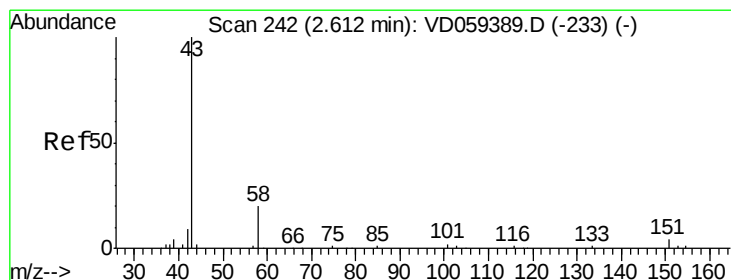
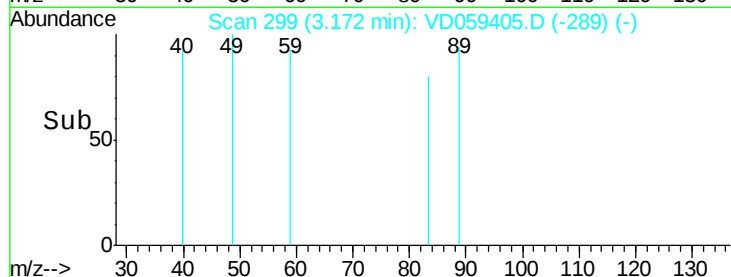
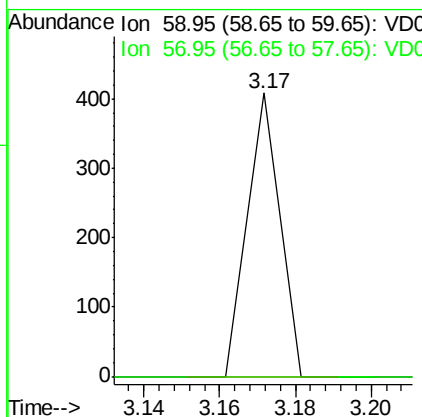
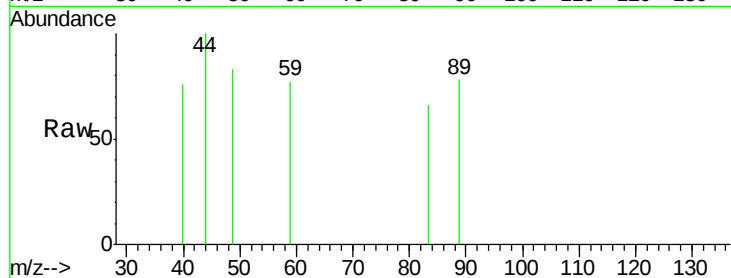


#11

Tert butyl alcohol
 Concen: 1.000 ug/l
 RT: 3.17 min Scan# 299
 Delta R.T. -0.10 min
 Lab File: VD059405.D
 Acq: 25 Jun 2018 18:09

Instrument :
 MSVOA_D
 ClientSampled :

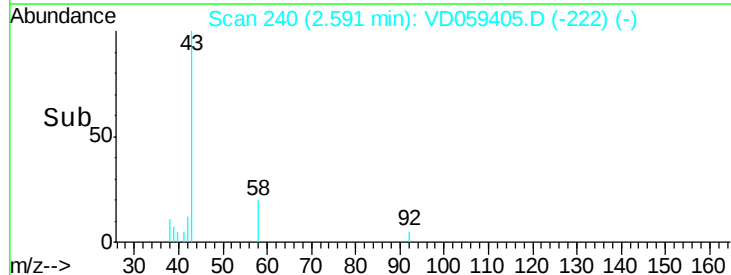
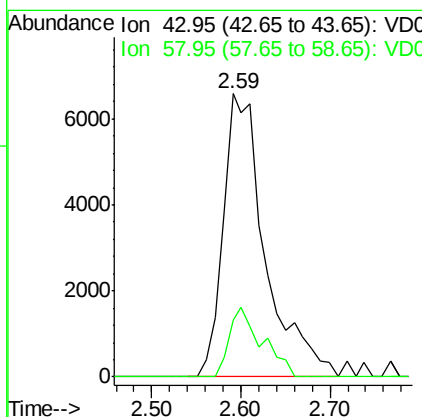
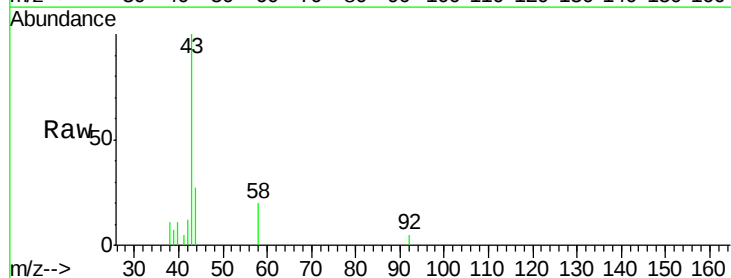
Tot Ion: 59 Resp: 241
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

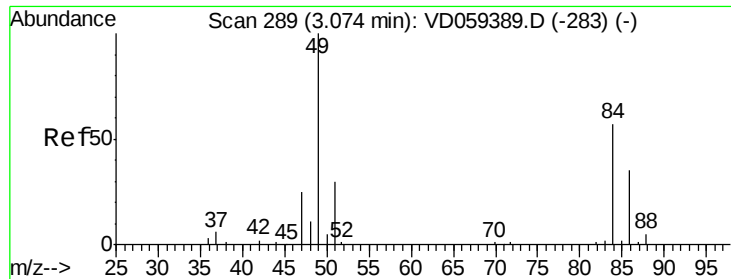


#16

Acetone
 Concen: 24.713 ug/l
 RT: 2.59 min Scan# 240
 Delta R.T. -0.02 min
 Lab File: VD059405.D
 Acq: 25 Jun 2018 18:09

Tgt Ion: 43 Resp: 21728
 Ion Ratio Lower Upper
 43 100
 58 20.0 16.8 25.2

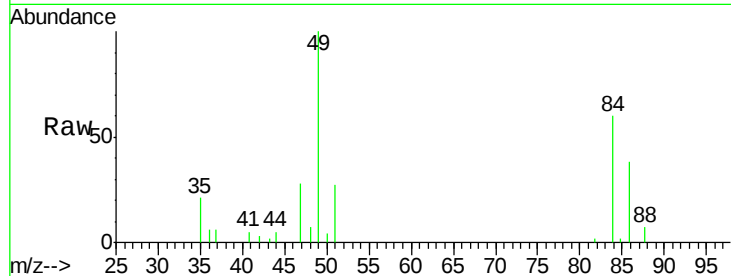




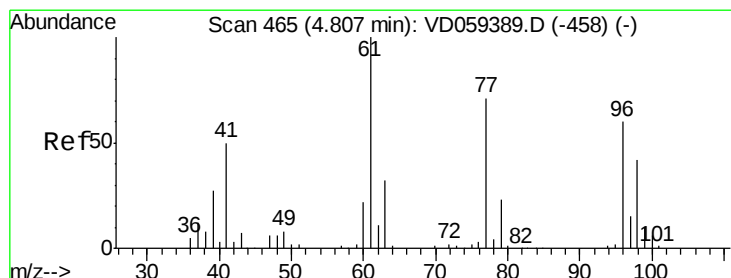
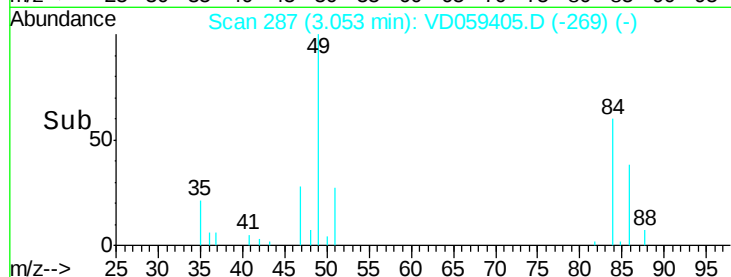
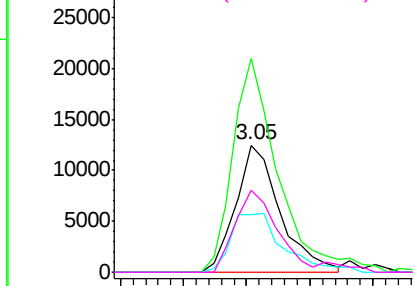
#20
Methvlene Chloride
Concen: 10.539 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059405.D
Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	30499
Ion	Ratio	Lower	Upper
84	100		
49	168.0	140.3	210.5
51	45.2	41.6	62.4
86	64.2	49.4	74.2

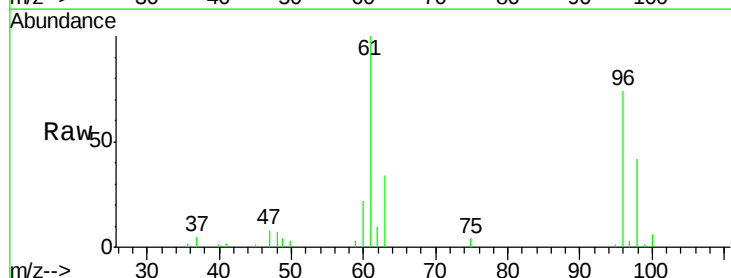


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

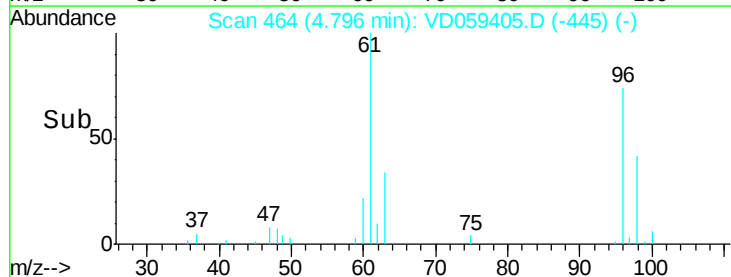
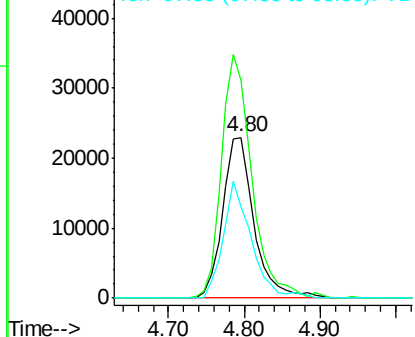


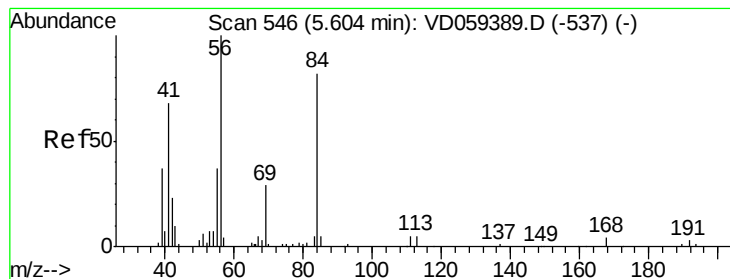
#27
cis-1,2-Dichloroethene
Concen: 9.861 ug/l
RT: 4.80 min Scan# 464
Delta R.T. -0.01 min
Lab File: VD059405.D
Acq: 25 Jun 2018 18:09

Tgt Ion:	96	Resp:	65766
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	335.8
98	56.9	0.0	141.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_D
ClientSampled :

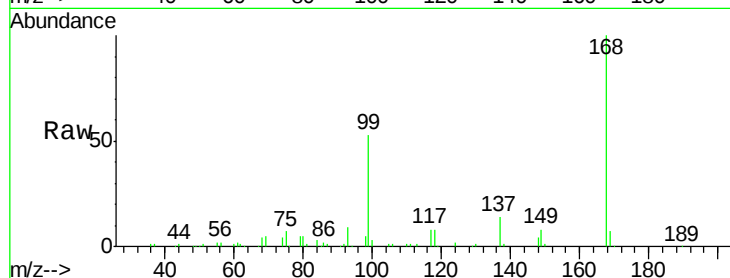
Tot Ion: 56 Resp: 14856

Ion Ratio Lower Upper

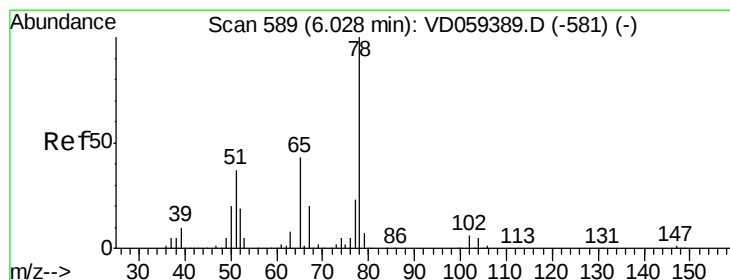
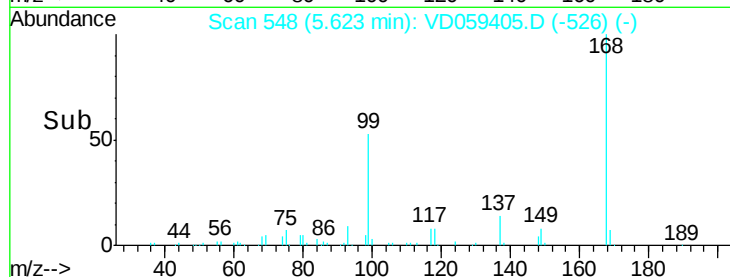
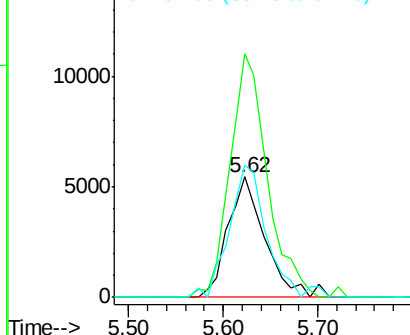
56 100

69 202.0 22.9 34.3#

84 109.9 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: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059405.D

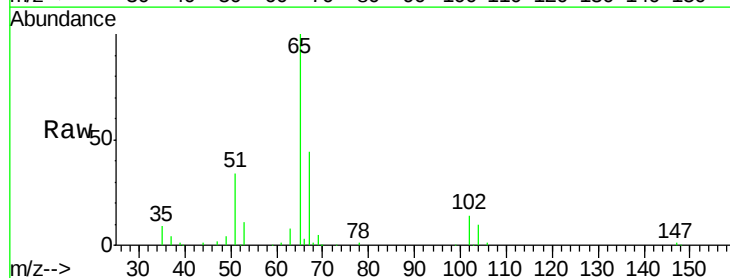
Acq: 25 Jun 2018 18:09

Tgt Ion: 65 Resp: 301562

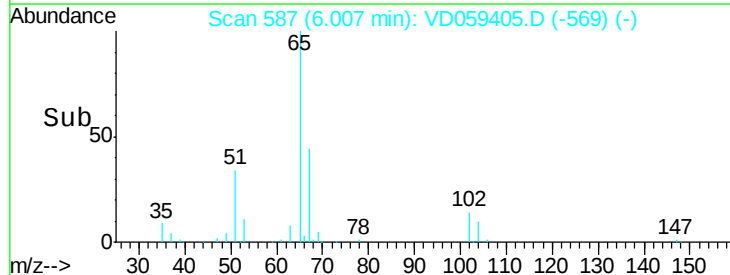
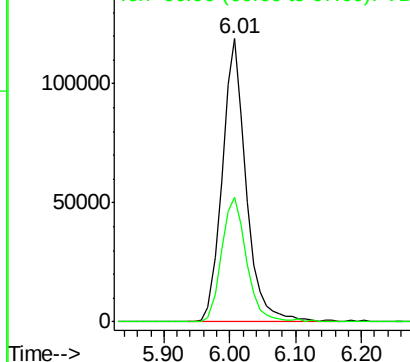
Ion Ratio Lower Upper

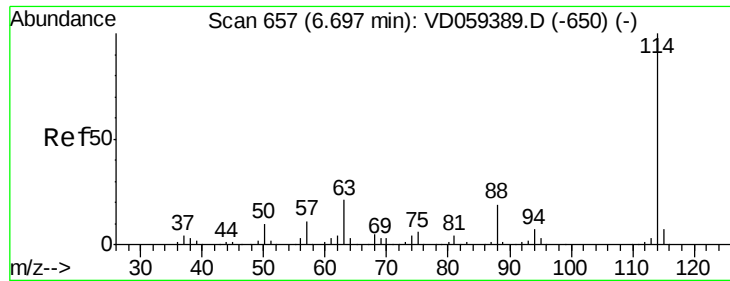
65 100

67 44.1 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: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

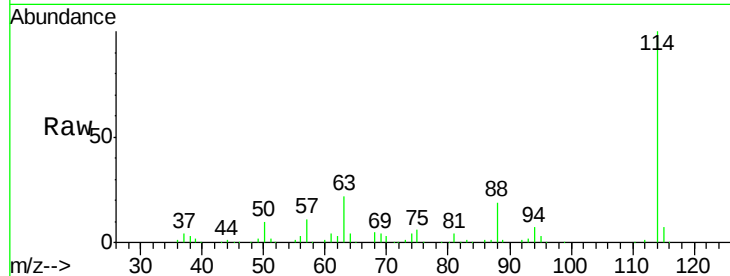
Tot Ion:114 Resp: 830723

Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

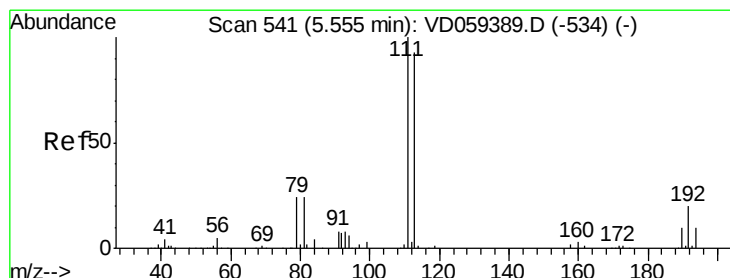
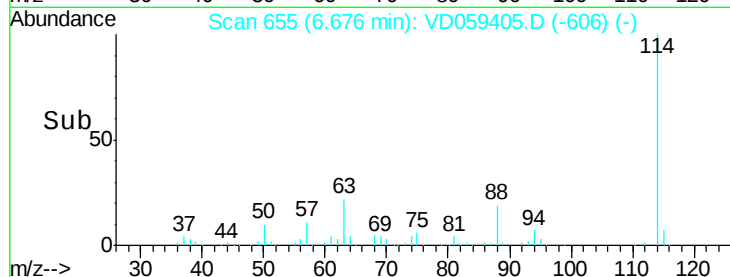
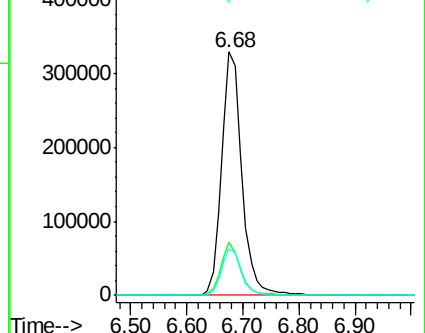
88 19.2 0.0 38.0



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: VD059405.D

Acq: 25 Jun 2018 18:09

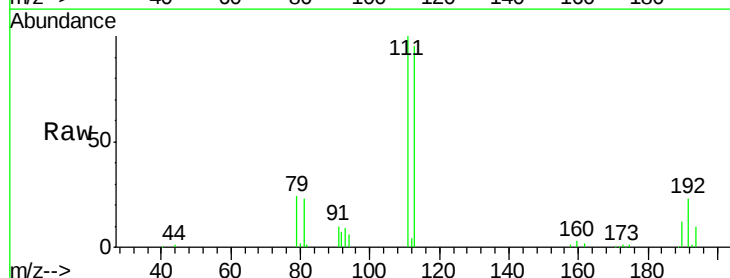
Tgt Ion:113 Resp: 288273

Ion Ratio Lower Upper

113 100

111 105.8 85.7 128.5

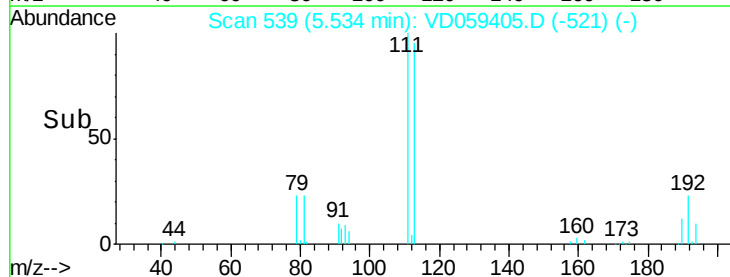
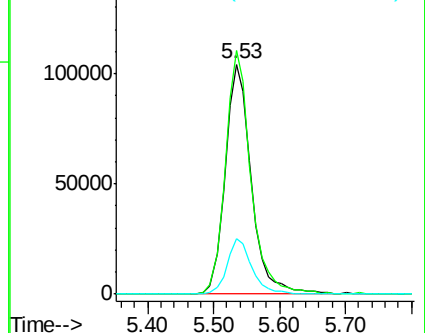
192 23.8 16.9 25.3

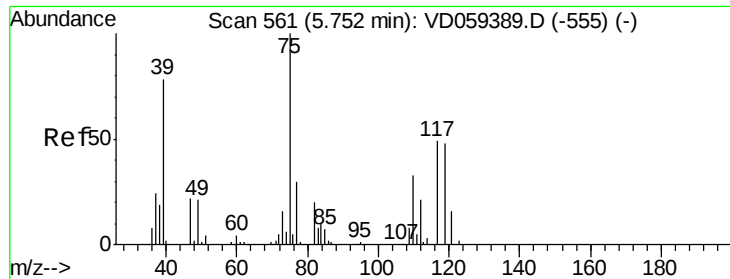


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.611 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.13 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

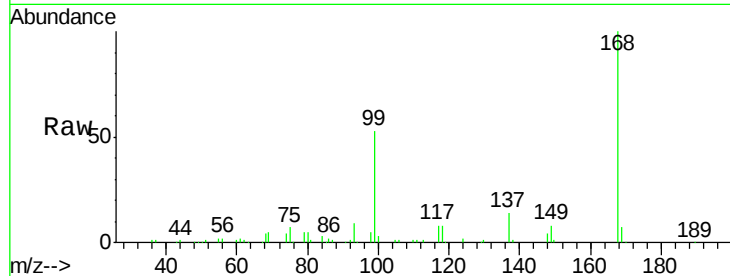
Tot Ion: 75 Resp: 49821

Ion Ratio Lower Upper

75 100

110 11.4 16.1 48.2#

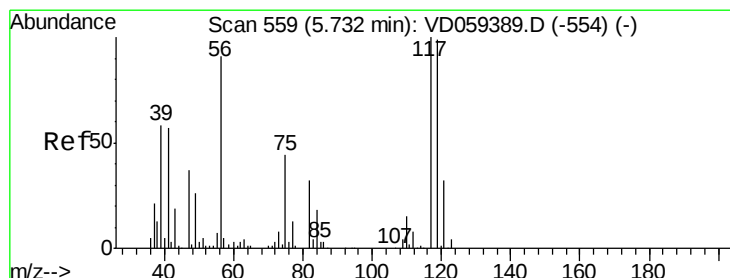
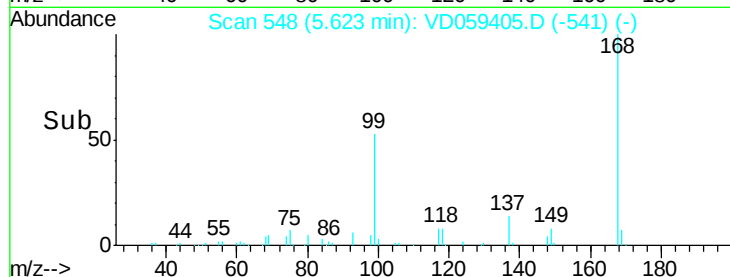
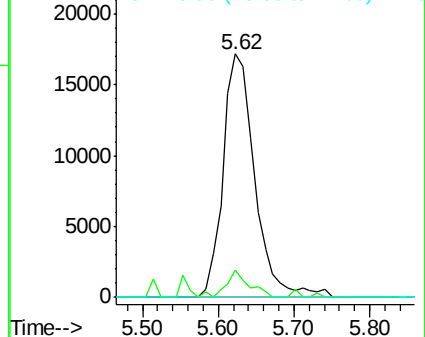
77 0.0 23.4 35.2#



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: 7.646 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

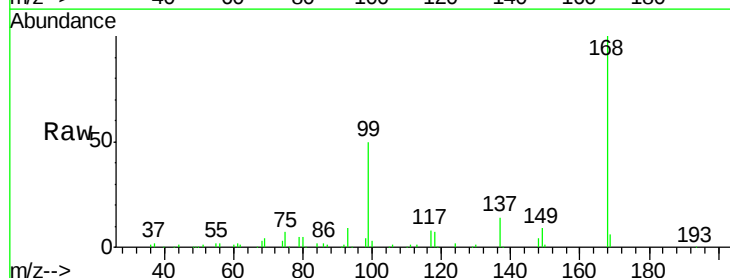
Tgt Ion: 117 Resp: 59409

Ion Ratio Lower Upper

117 100

119 3.5 76.6 115.0#

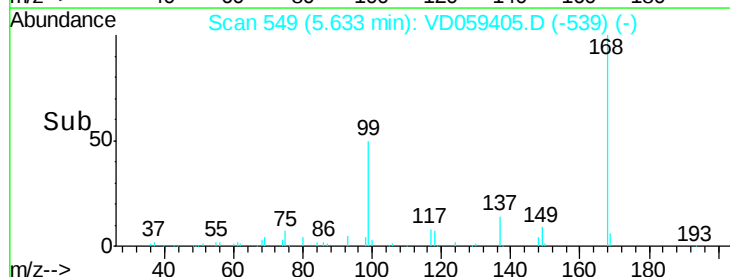
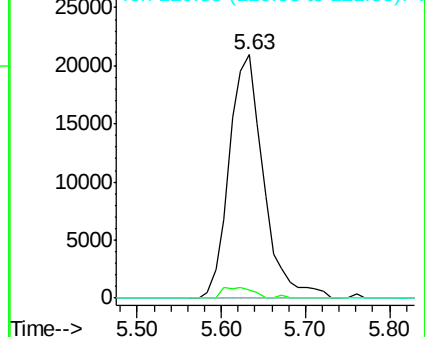
121 0.0 25.0 37.4#

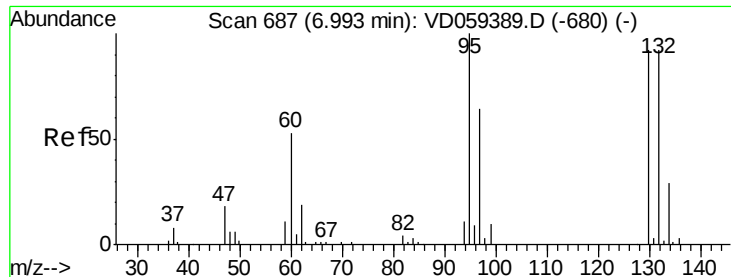


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#44

Trichloroethene

Concen: 16.859 ug/l

RT: 6.97 min Scan# 685

Delta R.T. -0.02 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_D

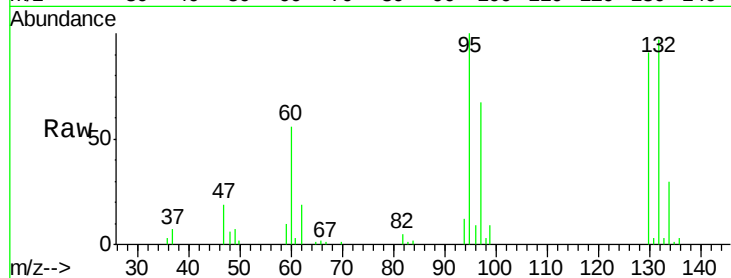
ClientSampleId :

Tot Ion:130 Resp: 99828

Ion Ratio Lower Upper

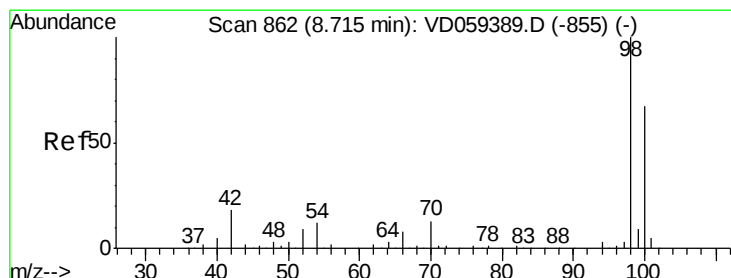
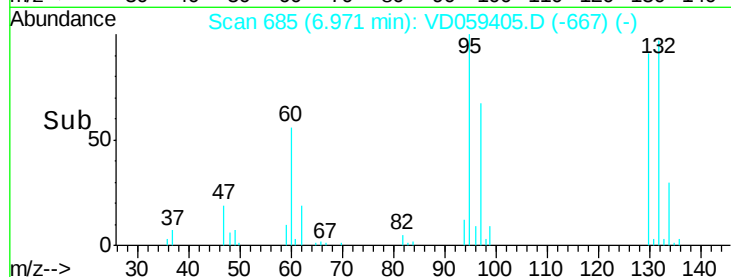
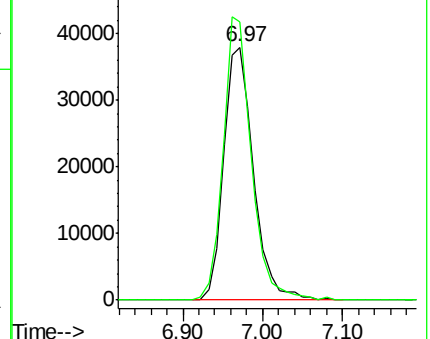
130 100

95 110.1 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059405.D

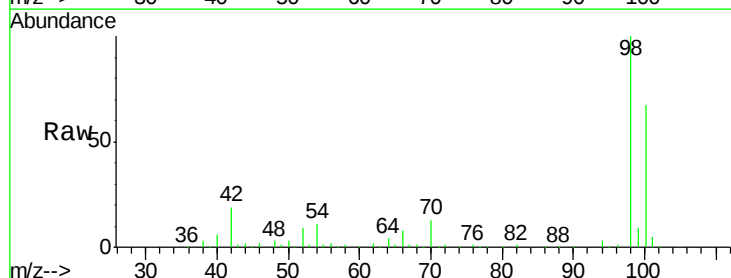
Acq: 25 Jun 2018 18:09

Tgt Ion: 98 Resp: 654994

Ion Ratio Lower Upper

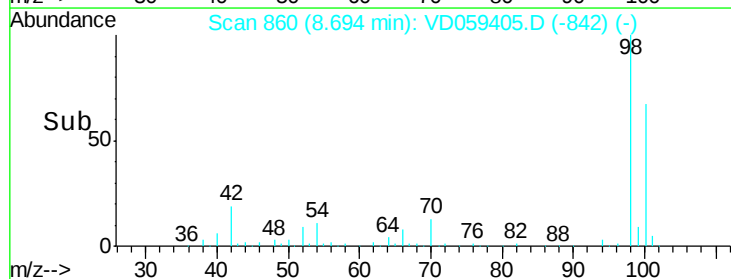
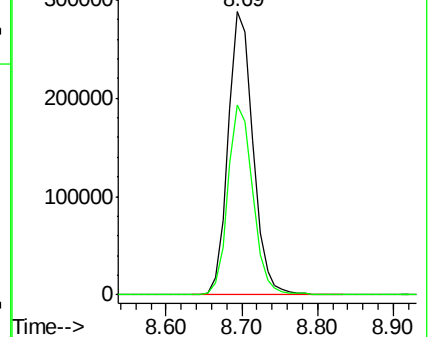
98 100

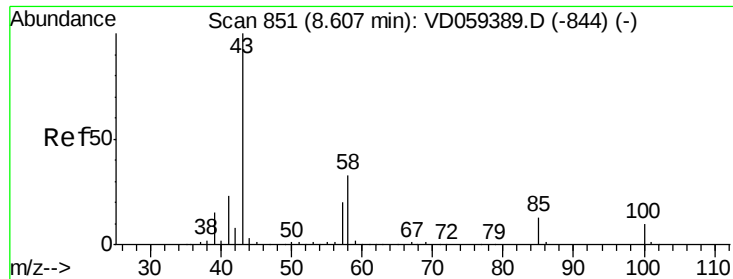
100 67.2 54.4 81.6



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: 1.170 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.10 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_D

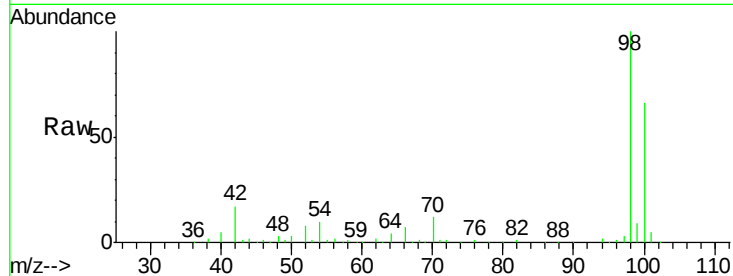
ClientSampleId :

Tot Ion: 43 Resp: 4495

Ion Ratio Lower Upper

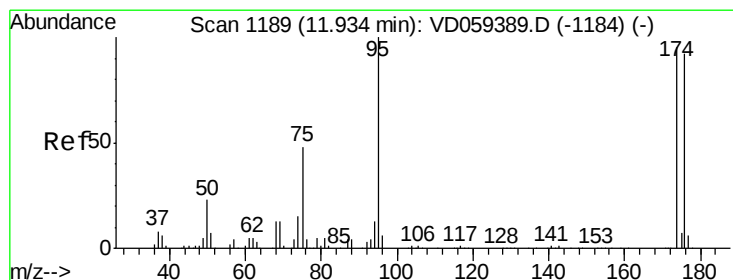
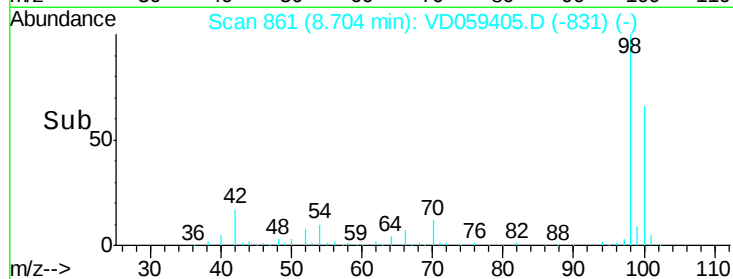
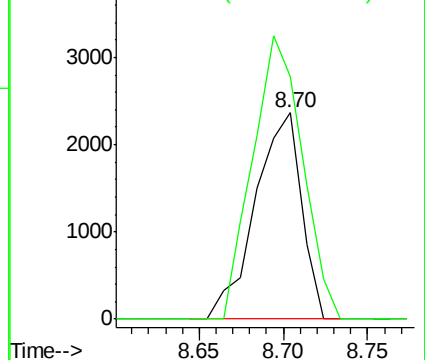
43 100

58 117.7 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: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

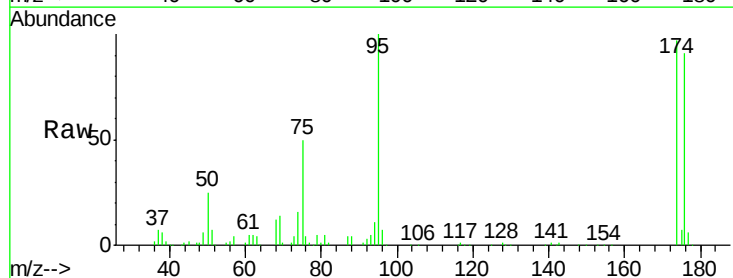
Tgt Ion: 95 Resp: 303964

Ion Ratio Lower Upper

95 100

174 96.6 0.0 190.4

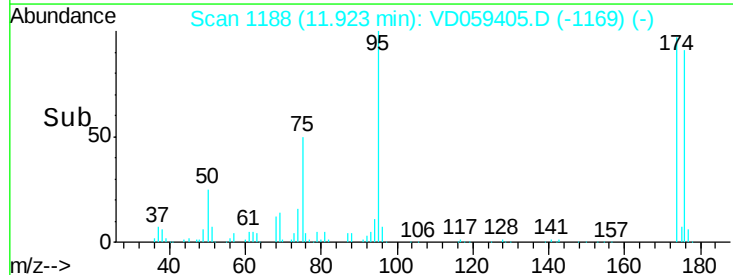
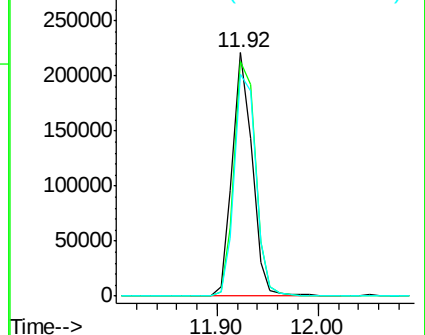
176 91.0 0.0 183.2

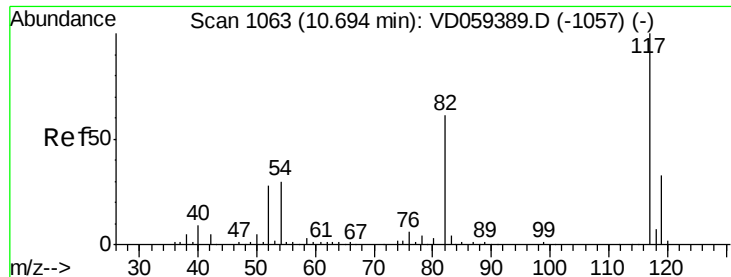


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

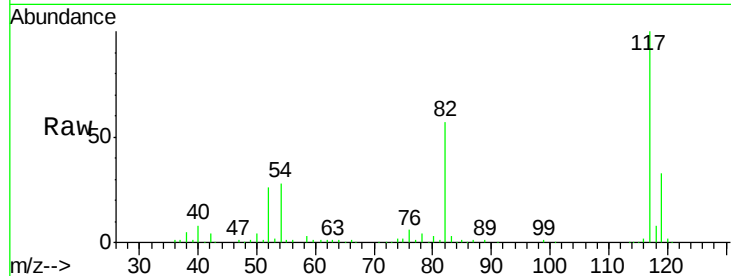




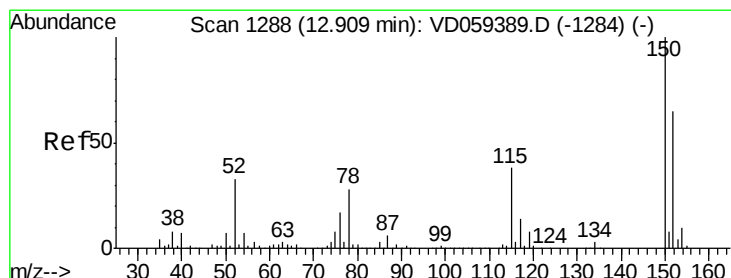
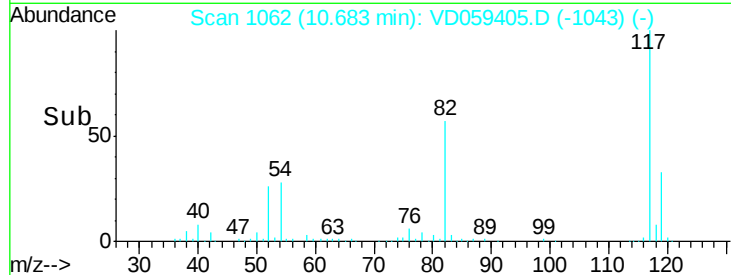
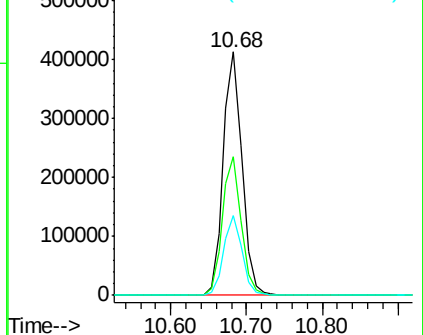
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059405.D
Acq: 25 Jun 2018 18:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 717076
Ion Ratio Lower Upper
117 100
82 57.2 49.0 73.6
119 33.0 26.2 39.4

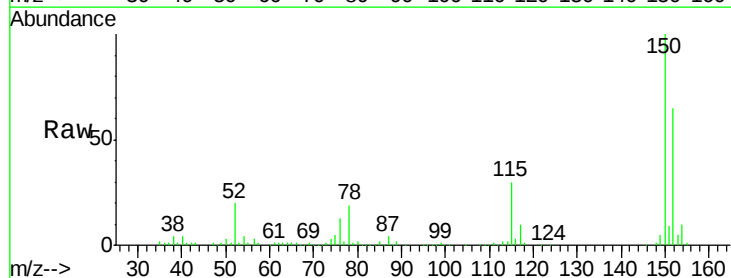


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

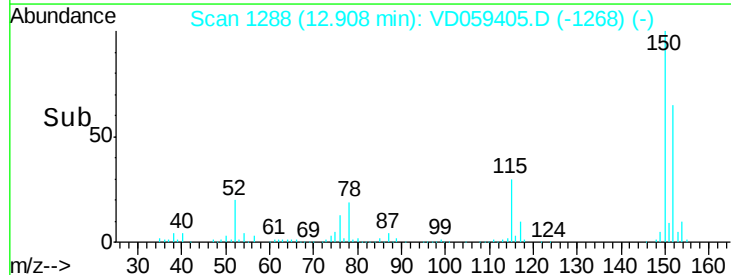
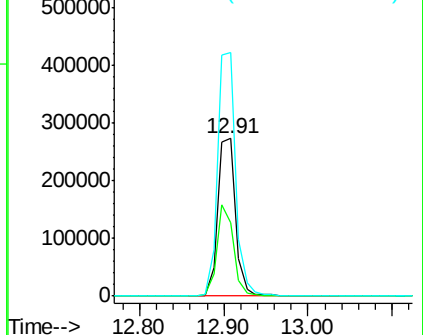


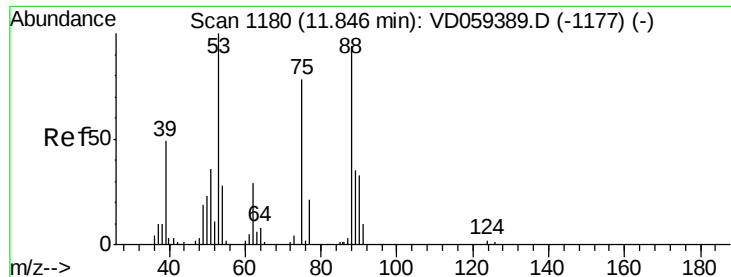
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059405.D
Acq: 25 Jun 2018 18:09

Tgt Ion:152 Resp: 402252
Ion Ratio Lower Upper
152 100
115 46.6 29.4 88.3
150 154.6 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: 117.615 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059405.D

Acq: 25 Jun 2018 18:09

Instrument :

MSVOA_D

ClientSampleId :

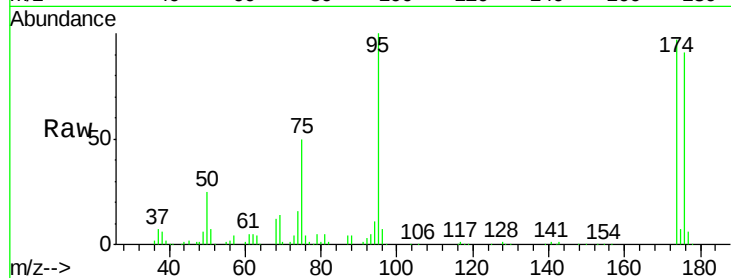
Tot Ion: 75 Resp: 148325

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

