

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059445.D
 Acq On : 27 Jun 2018 15:30
 Operator : VA/AP
 Sample : J3629-08
 Misc : 5.72g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:58:19 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	511616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	702381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	448421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	128824	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	247792	47.36	ug/l	-0.02
Spiked Amount						
						Recovery = 94.72%
35) Dibromofluoromethane	5.55	113	250546	43.79	ug/l	0.00
Spiked Amount						
						Recovery = 87.58%
50) Toluene-d8	8.71	98	427985	32.00	ug/l	0.00
Spiked Amount						
						Recovery = 64.00%
62) 4-Bromofluorobenzene	11.93	95	137831	24.78	ug/l	0.00
Spiked Amount						
						Recovery = 49.56%

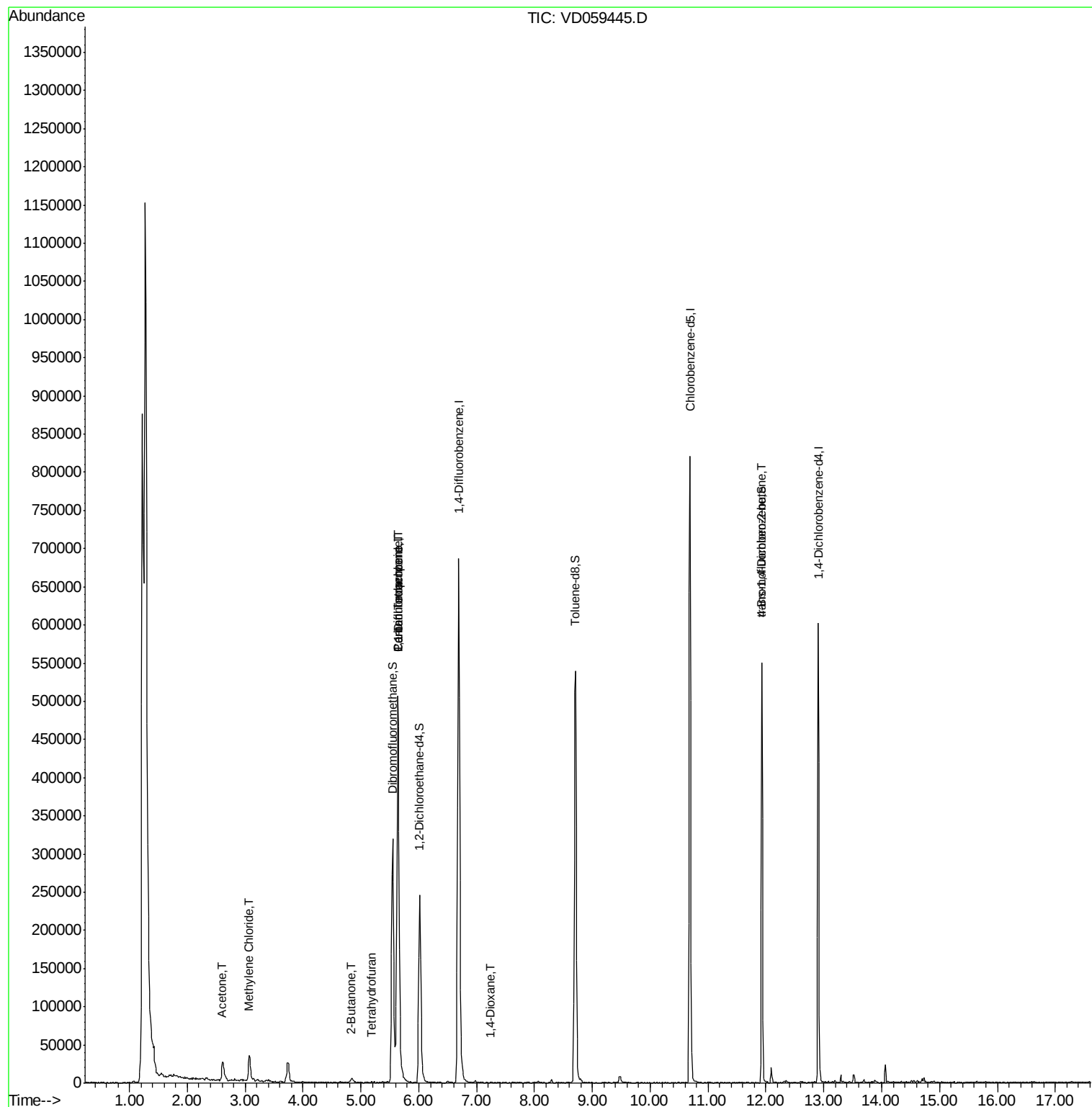
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.95	94	200	Below Cal	#	4
16) Acetone	2.60	43	52837	80.017	ug/l #	89
18) Methyl Acetate	2.92	43	1314	Below Cal	#	66
20) Methylene Chloride	3.07	84	15623	6.353	ug/l #	89
25) 2-Butanone	4.83	43	2419	1.749	ug/l #	57
29) Tetrahydrofuran	5.19	42	1205	1.593	ug/l #	51
31) Cyclohexane	5.64	56	11519	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	40706	6.389	ug/l #	48
38) Carbon Tetrachloride	5.64	117	40871	6.222	ug/l #	14
49) 1,4-Dioxane	7.23	88	192	6.449	ug/l #	21
81) trans-1,4-Dichloro-2-buten	11.93	75	66499	164.651	ug/l #	1

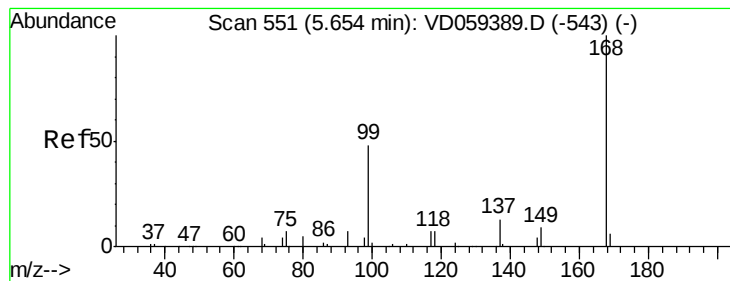
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062718\
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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: VD059445.D

Acq: 27 Jun 2018 15:30

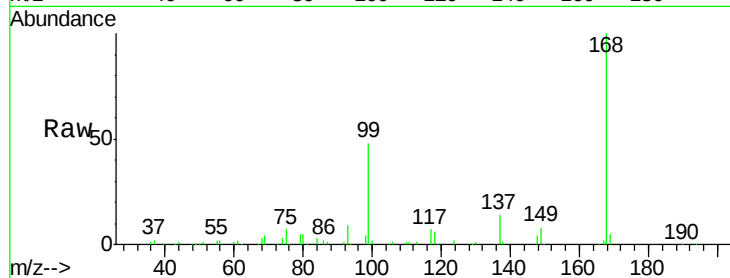
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 511616

Ion Ratio Lower Upper

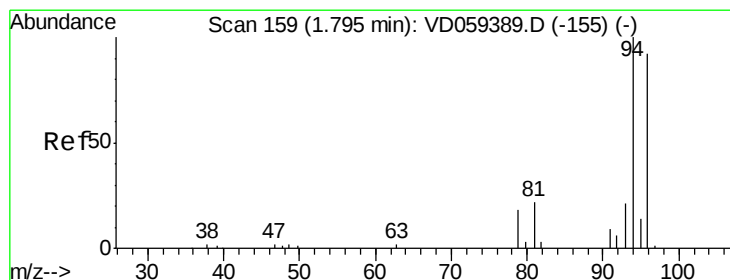
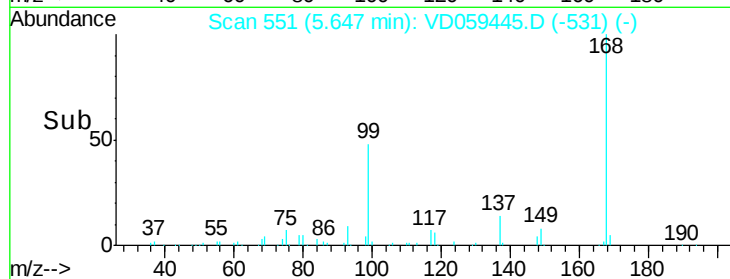
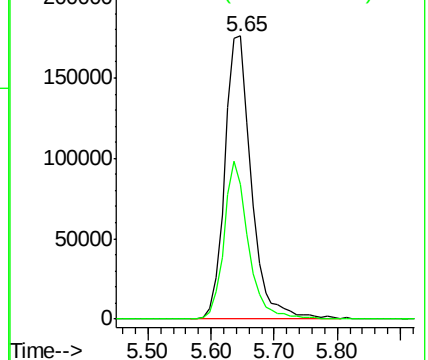
168 100

99 47.8 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: 1.95 min Scan# 175

Delta R.T. 0.15 min

Lab File: VD059445.D

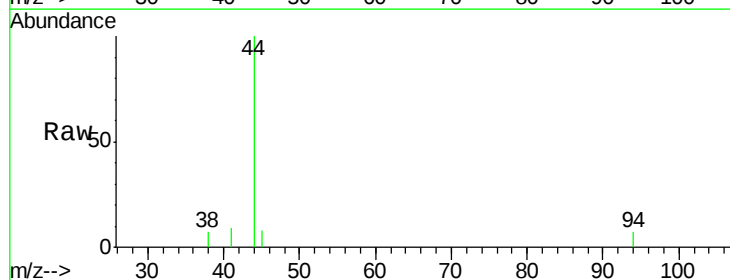
Acq: 27 Jun 2018 15:30

Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

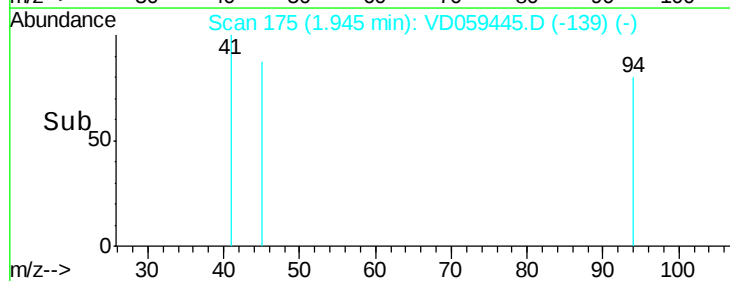
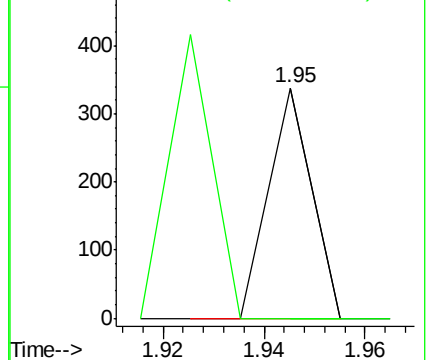
94 100

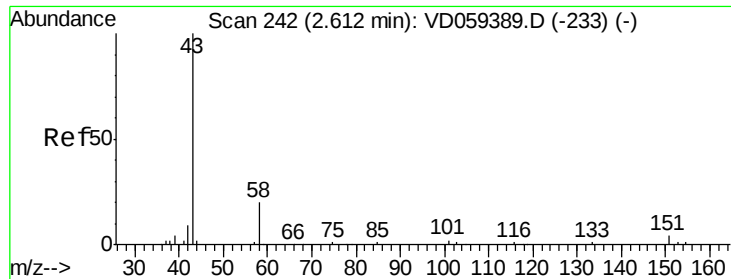
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 80.017 ug/l

RT: 2.60 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Instrument :

MSVOA_D

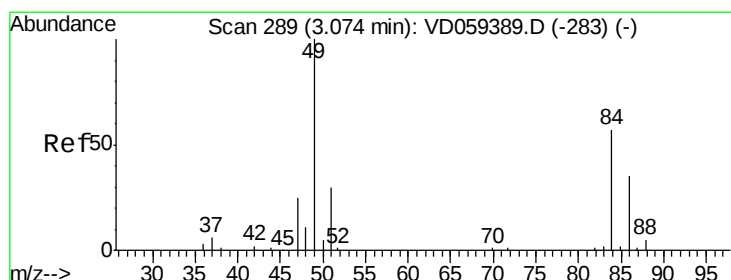
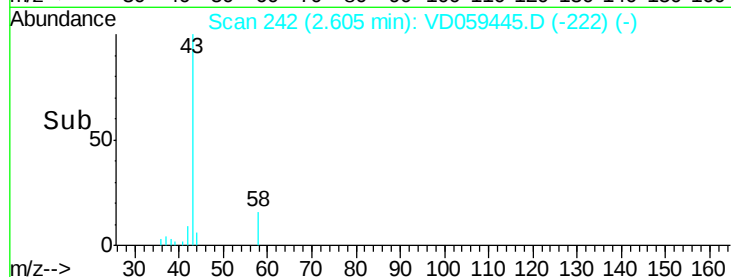
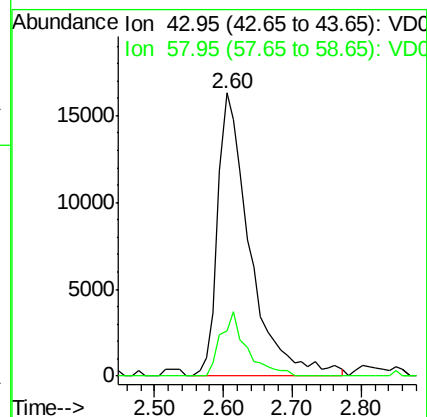
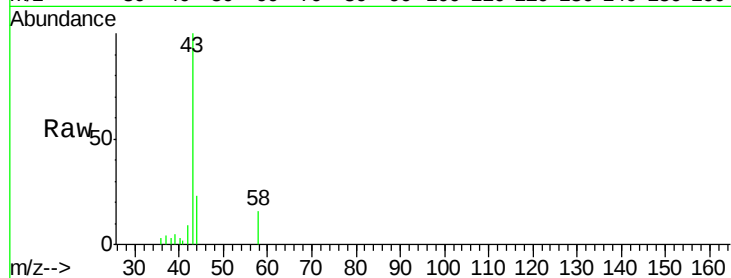
ClientSampleId :

Tot Ion: 43 Resp: 52837

Ion Ratio Lower Upper

43 100

58 16.0 16.8 25.2#



#20

Methylene Chloride

Concen: 6.353 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.01 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Tgt Ion: 84 Resp: 15623

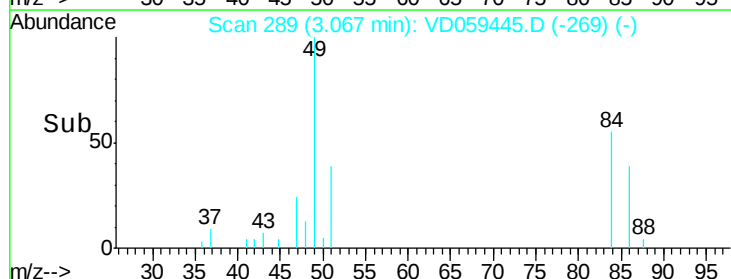
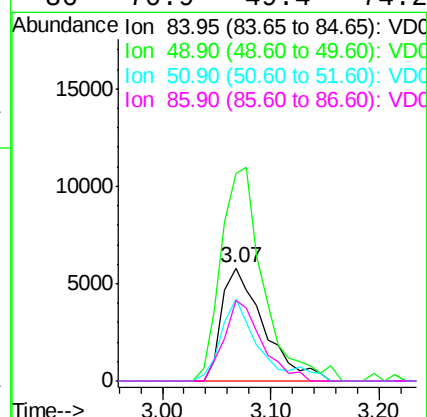
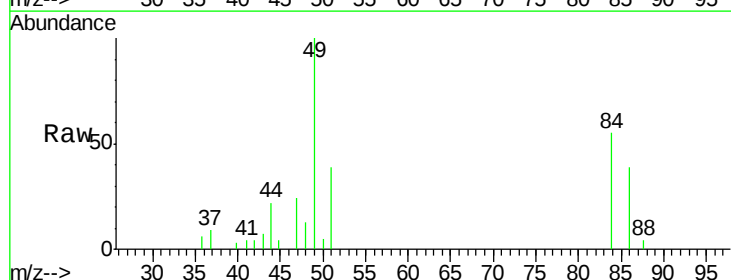
Ion Ratio Lower Upper

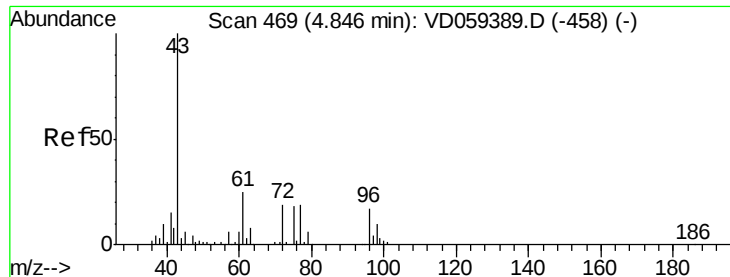
84 100

49 183.3 140.3 210.5

51 72.2 41.6 62.4#

86 70.9 49.4 74.2

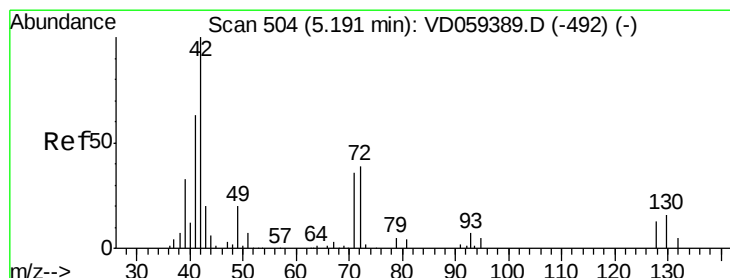
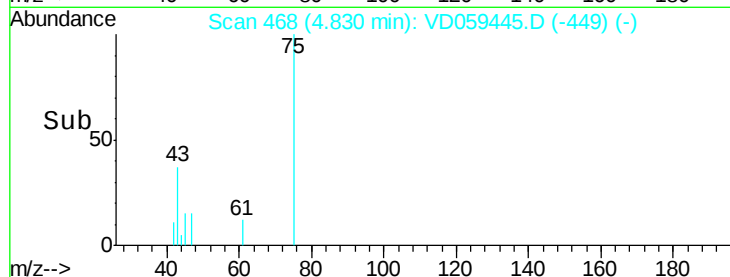
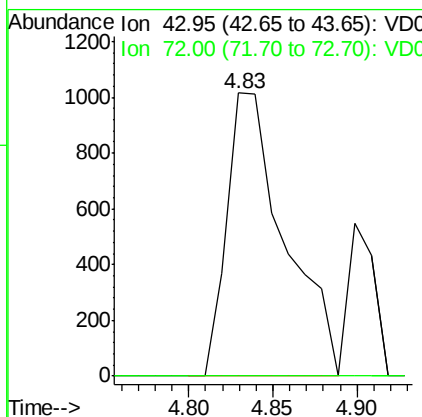
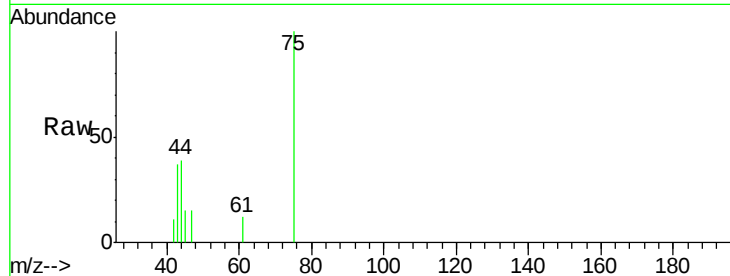




#25
2-Butanone
Concen: 1.749 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD059445.D
Acq: 27 Jun 2018 15:30

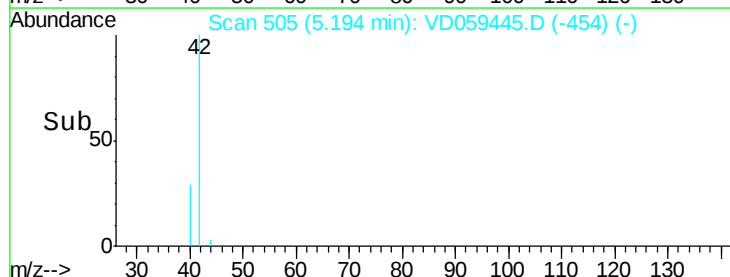
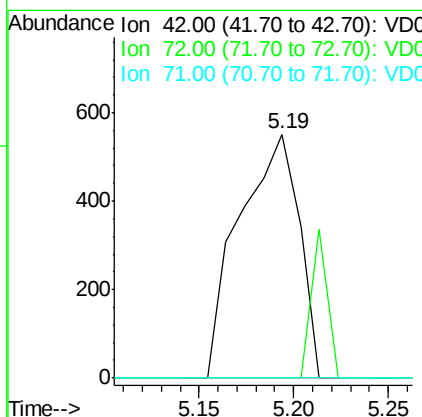
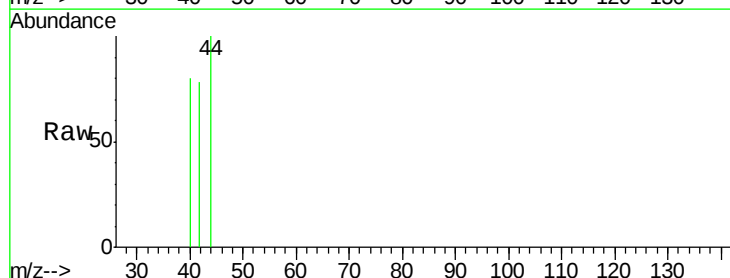
Instrument :
MSVOA_D
ClientSampleId :

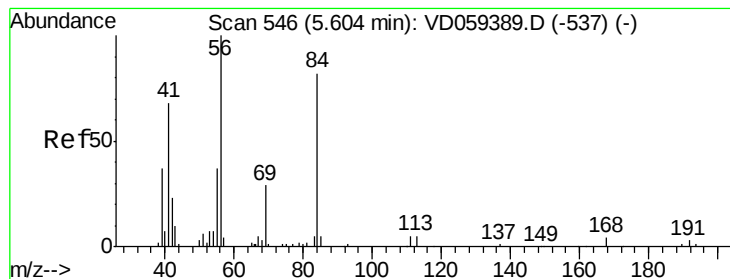
Tot Ion: 43 Resp: 2419
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



#29
Tetrahydrofuran
Concen: 1.593 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059445.D
Acq: 27 Jun 2018 15:30

Tgt Ion: 42 Resp: 1205
Ion Ratio Lower Upper
42 100
72 16.4 31.4 47.2#
71 0.0 29.7 44.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Instrument :

MSVOA_D

ClientSampled :

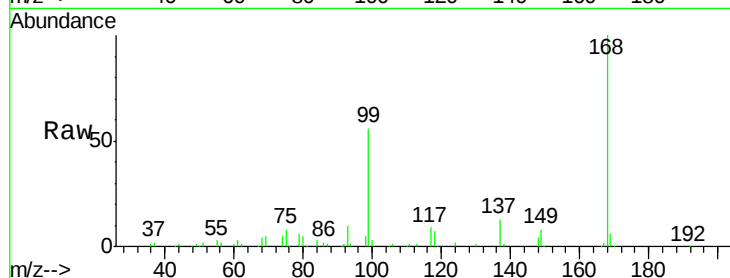
Tot Ion: 56 Resp: 11519

Ion Ratio Lower Upper

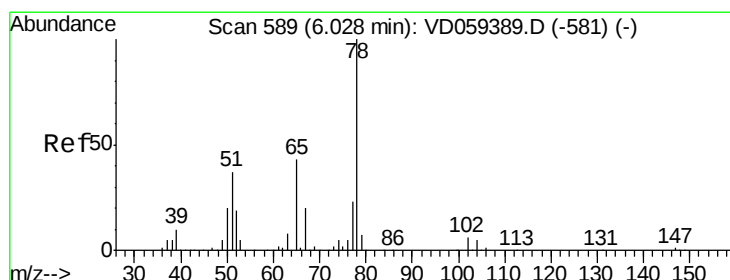
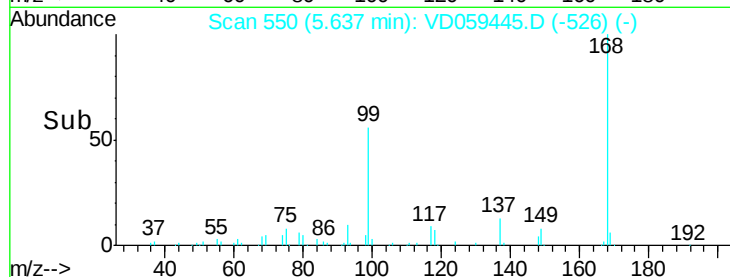
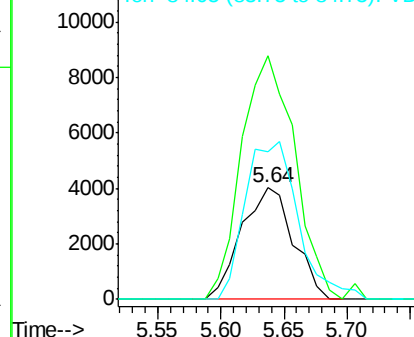
56 100

69 218.6 22.9 34.3#

84 133.0 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# 588

Delta R.T. -0.02 min

Lab File: VD059445.D

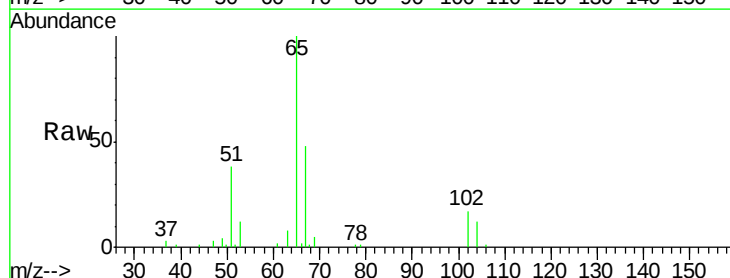
Acq: 27 Jun 2018 15:30

Tgt Ion: 65 Resp: 247792

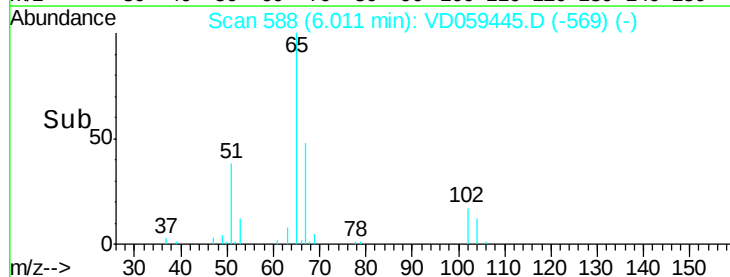
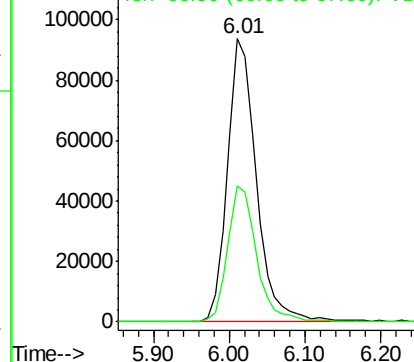
Ion Ratio Lower Upper

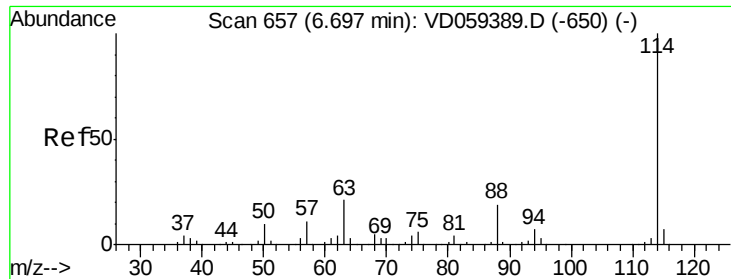
65 100

67 47.9 0.0 93.8



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

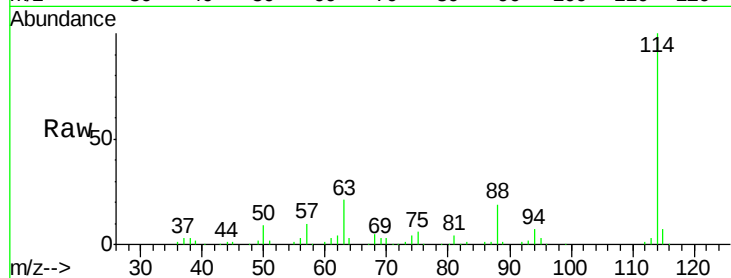




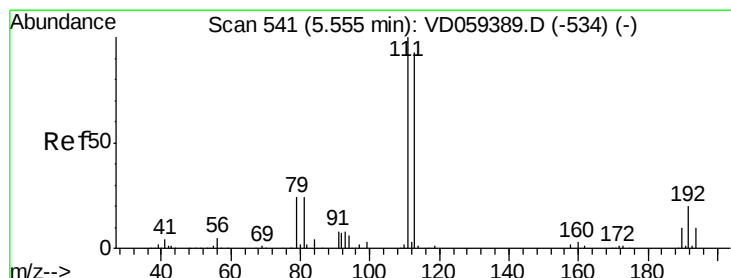
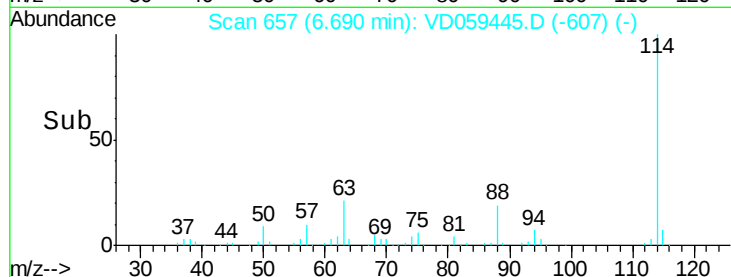
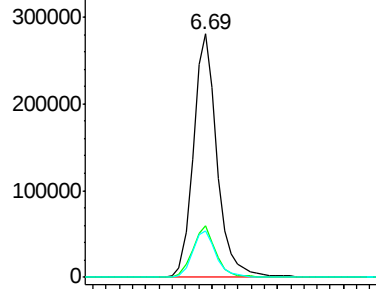
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VD059445.D
 Acq: 27 Jun 2018 15:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 702381
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.4
 88 19.3 0.0 38.0

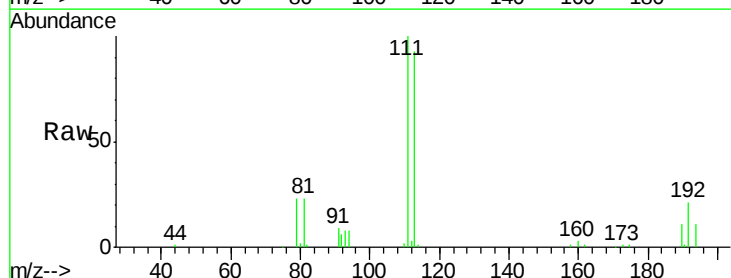


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

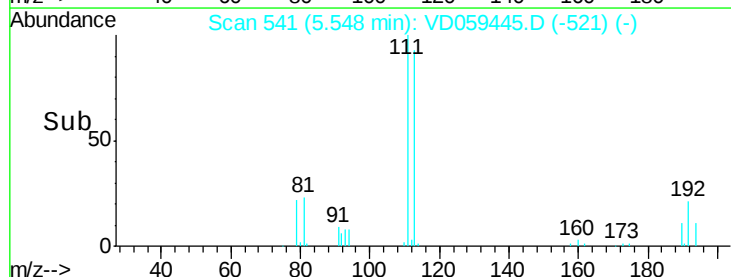
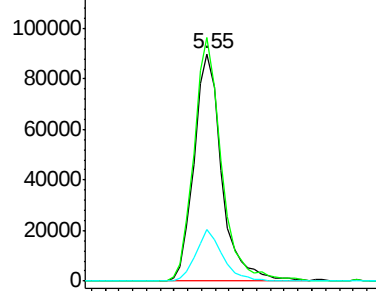


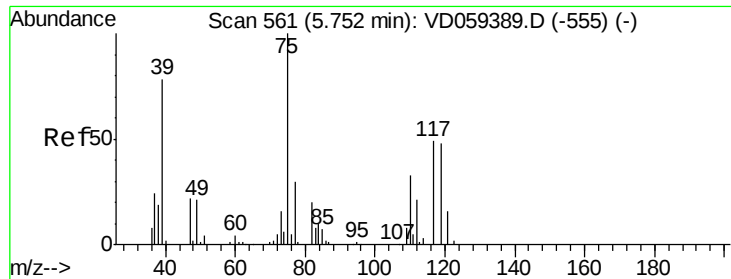
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD059445.D
 Acq: 27 Jun 2018 15:30

Tgt Ion:113 Resp: 250546
 Ion Ratio Lower Upper
 113 100
 111 107.1 85.7 128.5
 192 22.6 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: 6.389 ug/l

RT: 5.64 min Scan# 550

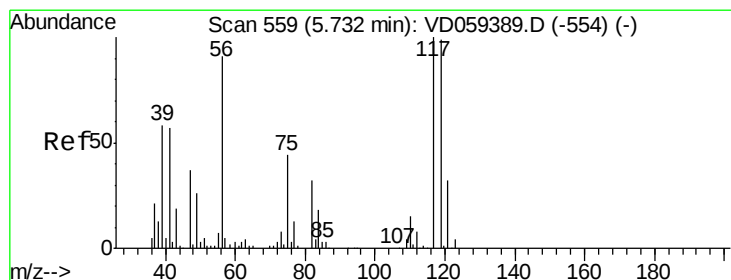
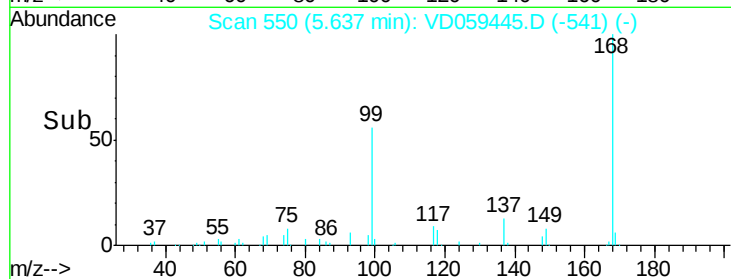
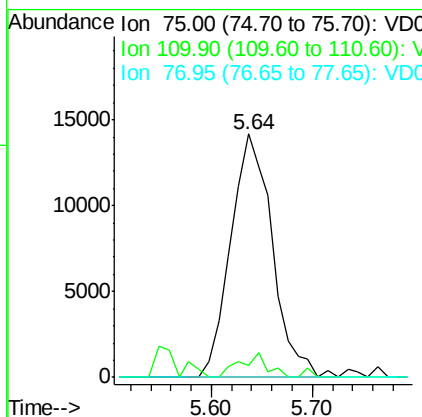
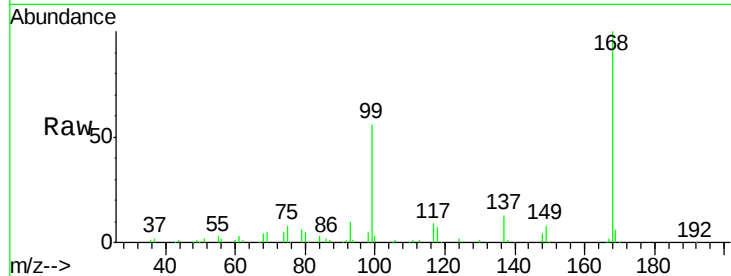
Delta R.T. -0.12 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 40706
Ion Ratio Lower Upper
75 100
110 4.9 16.1 48.2#
77 0.0 23.4 35.2#



#38

Carbon Tetrachloride

Concen: 6.222 ug/l

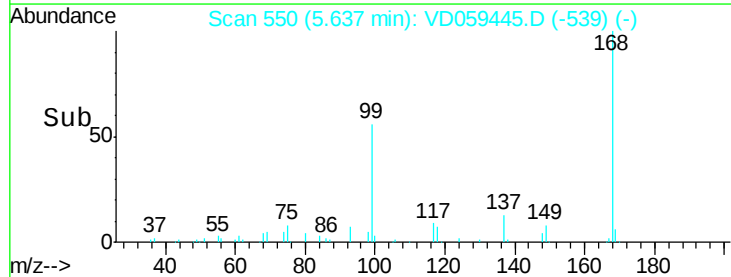
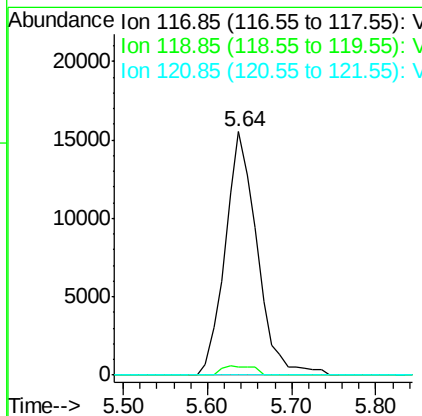
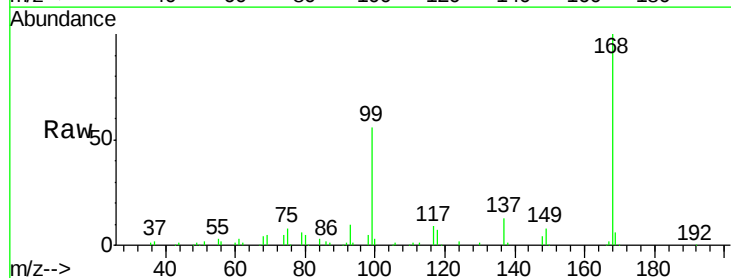
RT: 5.64 min Scan# 550

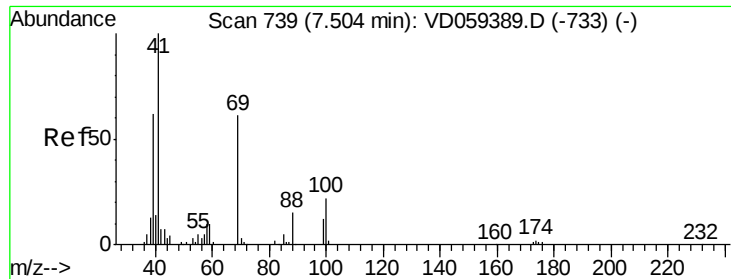
Delta R.T. -0.10 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Tgt Ion: 117 Resp: 40871
Ion Ratio Lower Upper
117 100
119 3.2 76.6 115.0#
121 0.0 25.0 37.4#

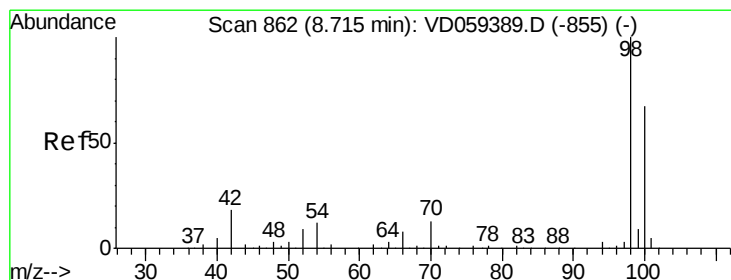
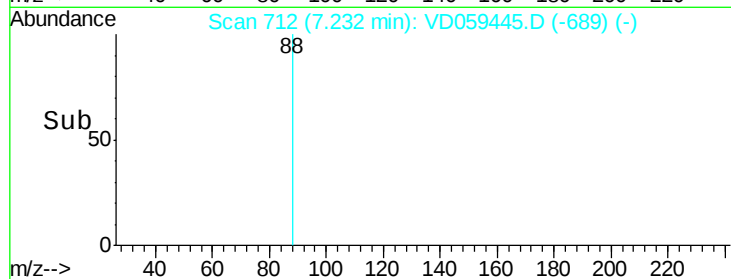
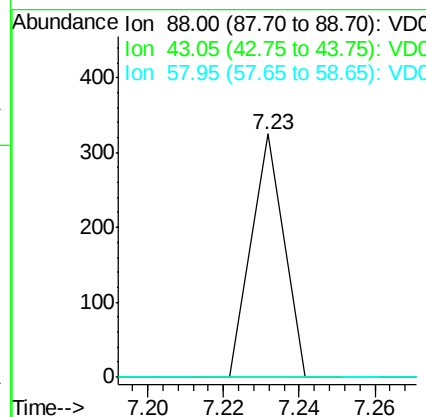
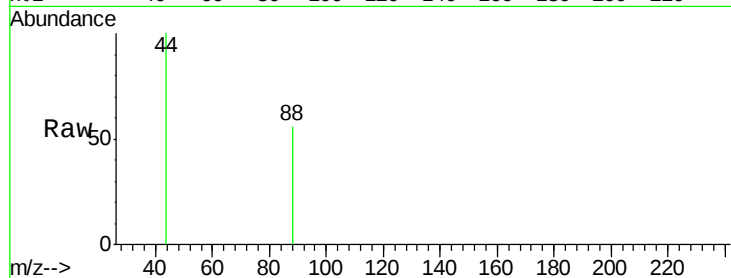




#49
1,4-Dioxane
Concen: 6.449 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.27 min
Lab File: VD059445.D
Acq: 27 Jun 2018 15:30

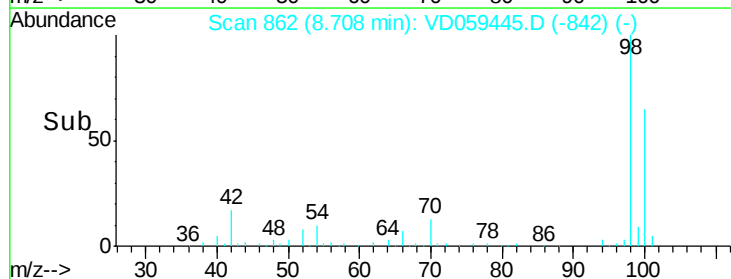
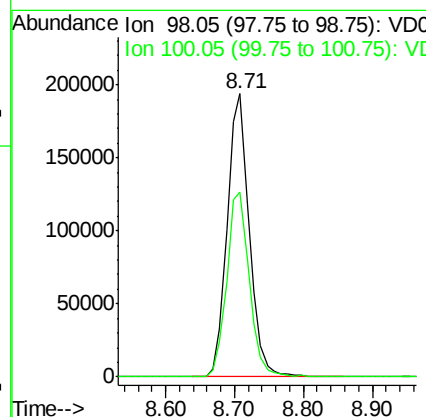
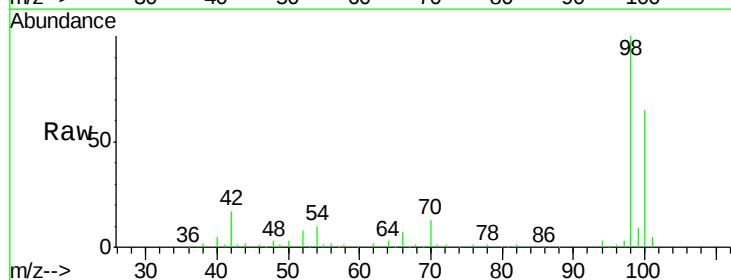
Instrument :
MSVOA_D
ClientSampleId :

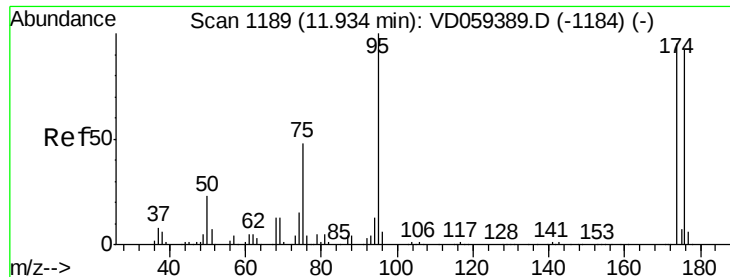
Tot Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
43 0.0 41.0 61.4#
58 0.0 53.4 80.0#



#50
Toluene-d8
Concen: 6.449 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059445.D
Acq: 27 Jun 2018 15:30

Tgt Ion: 98 Resp: 427985
Ion Ratio Lower Upper
98 100
100 65.2 54.4 81.6





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Instrument :

MSVOA_D

ClientSampled :

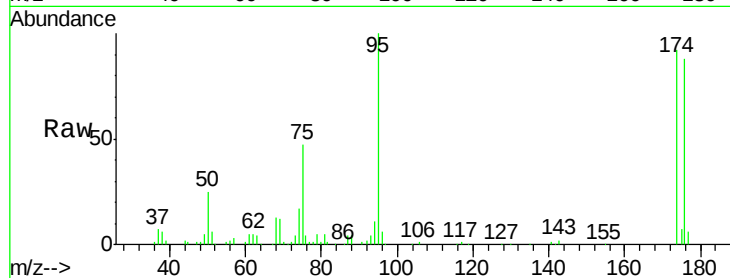
Tot Ion: 95 Resp: 137831

Ion Ratio Lower Upper

95 100

174 92.5 0.0 190.4

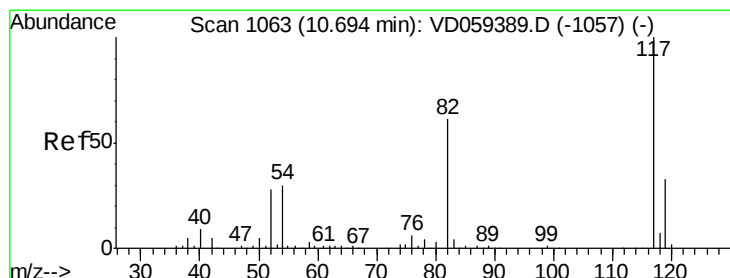
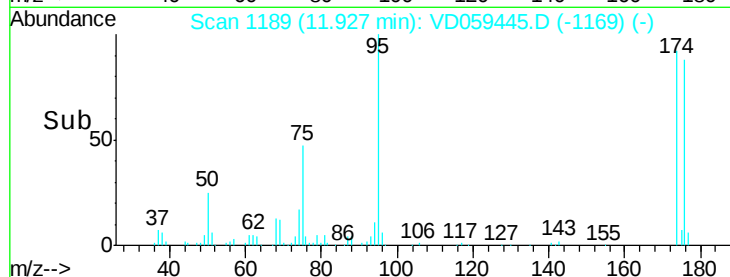
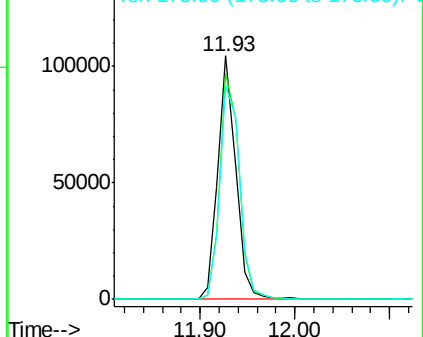
176 88.2 0.0 183.2



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. -0.01 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

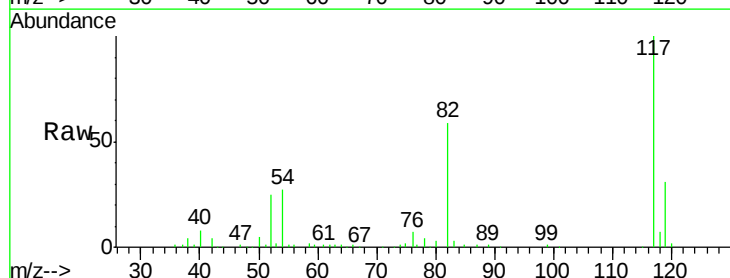
Tgt Ion: 117 Resp: 448421

Ion Ratio Lower Upper

117 100

82 59.0 49.0 73.6

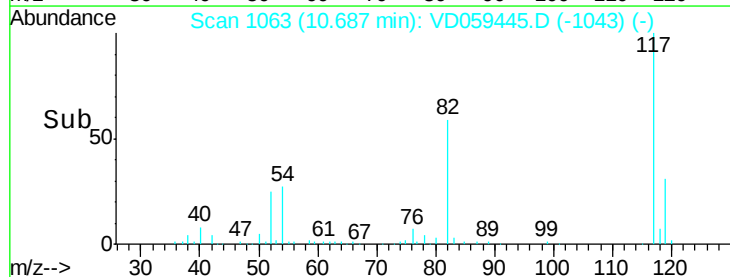
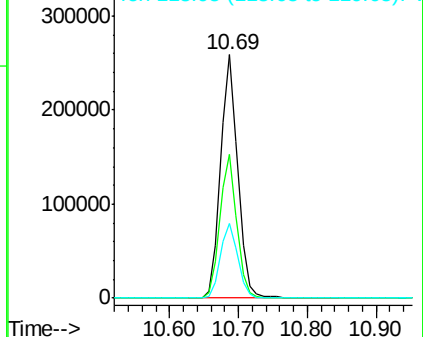
119 30.8 26.2 39.4

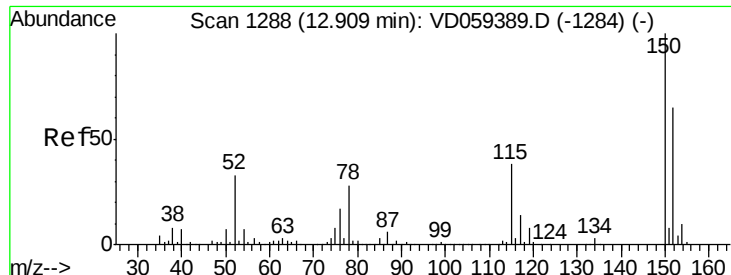


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1288

Delta R.T. -0.01 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

Instrument :

MSVOA_D

ClientSampleId :

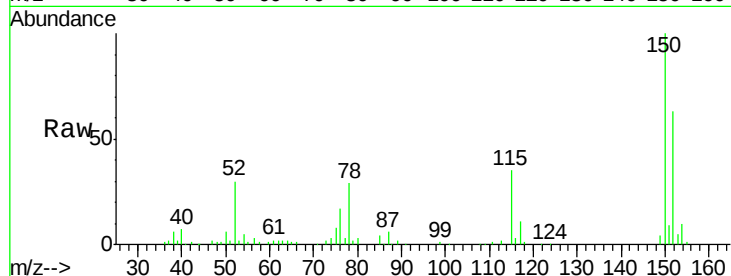
Tot Ion:152 Resp: 128824

Ion Ratio Lower Upper

152 100

115 55.5 29.4 88.3

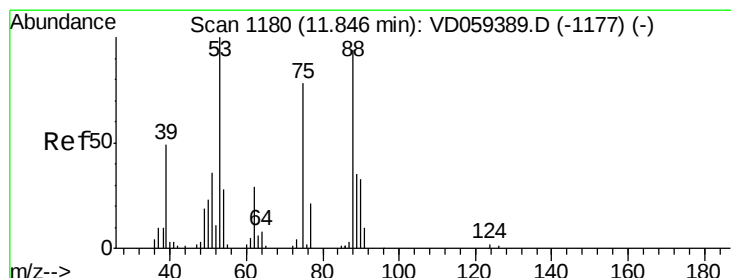
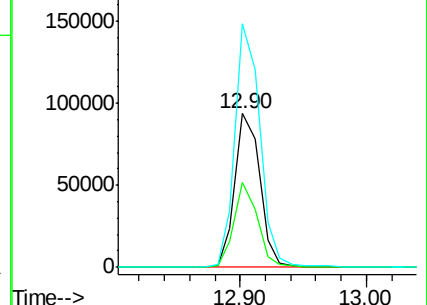
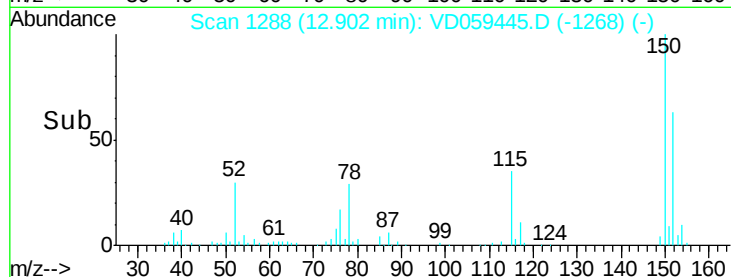
150 158.7 0.0 308.2



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: 164.651 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059445.D

Acq: 27 Jun 2018 15:30

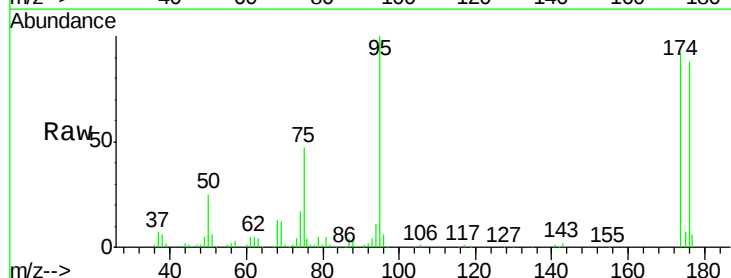
Tgt Ion: 75 Resp: 66499

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

