

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059434.D
 Acq On : 26 Jun 2018 20:10
 Operator : VA/AP
 Sample : J3642-01RE
 Misc : 6.32g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 27 05:53:26 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	67885	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	102587	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	101832	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	61498	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	52668	75.87	ug/l	-0.02
Spiked Amount 50.000			Recovery =	151.74%		
35) Dibromofluoromethane	5.53	113	42421	50.77	ug/l	-0.02
Spiked Amount 50.000			Recovery =	101.54%		
50) Toluene-d8	8.69	98	75041	38.42	ug/l	-0.02
Spiked Amount 50.000			Recovery =	76.84%		
62) 4-Bromofluorobenzene	11.92	95	43025	52.95	ug/l	-0.01
Spiked Amount 50.000			Recovery =	105.90%		

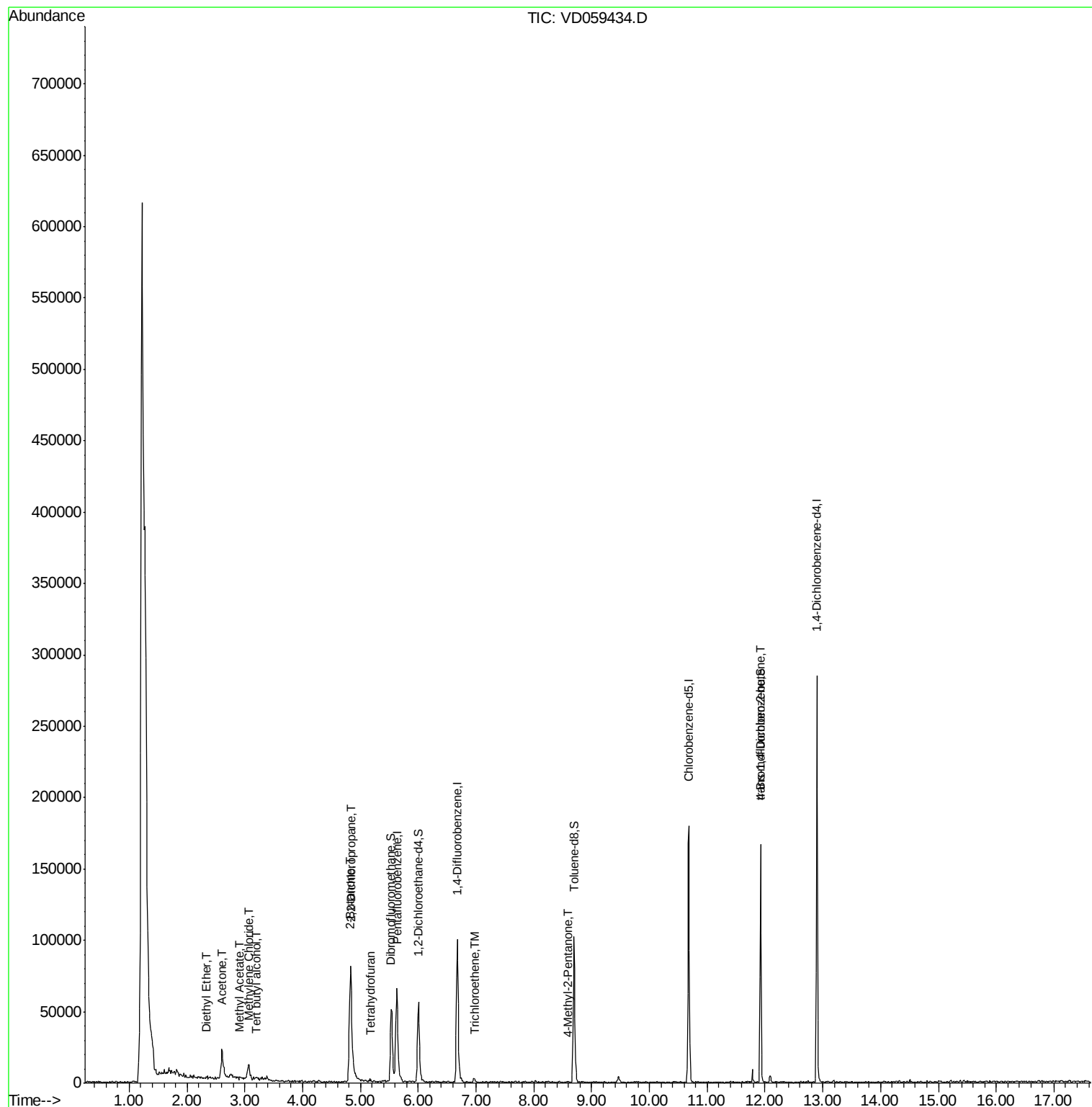
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.91	94	228	Below Cal	#	4
8) Diethyl Ether	2.33	74	211	1.983	ug/l #	1
11) Tert butyl alcohol	3.20	59	1809	75.323	ug/l #	72
16) Acetone	2.60	43	41409	472.615	ug/l	99
18) Methyl Acetate	2.92	43	1173	1.576	ug/l #	66
20) Methylene Chloride	3.08	84	4809	18.205	ug/l #	53
25) 2-Butanone	4.81	43	10300	56.118	ug/l #	57
26) 2,2-Dichloropropane	4.83	77	5139	6.012	ug/l #	55
29) Tetrahydrofuran	5.19	42	536	5.339	ug/l #	37
31) Cyclohexane	5.62	56	957	Below Cal	#	13
44) Trichloroethene	6.98	130	1381	1.889	ug/l	89
51) 4-Methyl-2-Pentanone	8.59	43	1014	2.138	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.92	75	19663	101.984	ug/l #	1

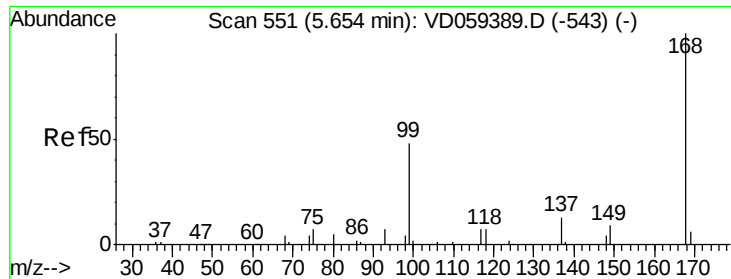
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 549

Delta R.T. -0.02 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

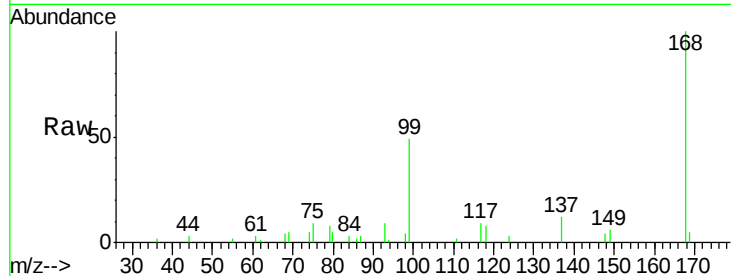
ClientSampleId :

Tot Ion:168 Resp: 67885

Ion Ratio Lower Upper

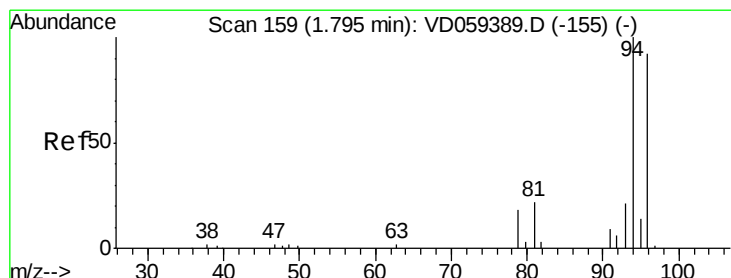
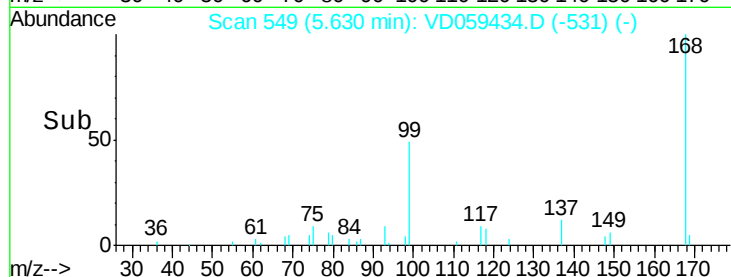
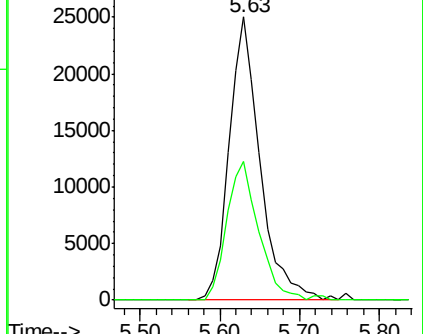
168 100

99 49.0 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: 1.91 min Scan# 171

Delta R.T. 0.11 min

Lab File: VD059434.D

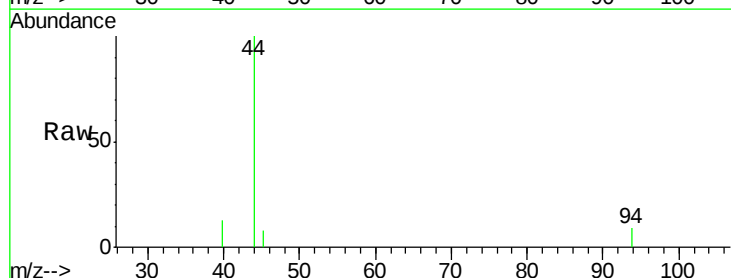
Acq: 26 Jun 2018 20:10

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

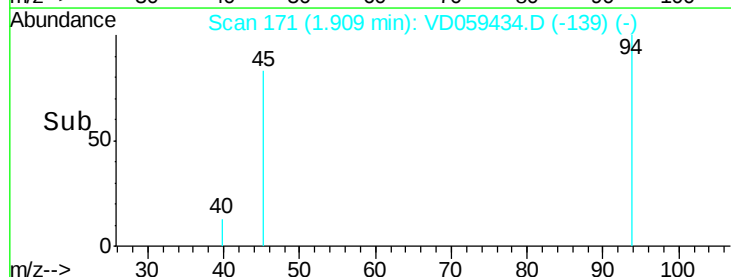
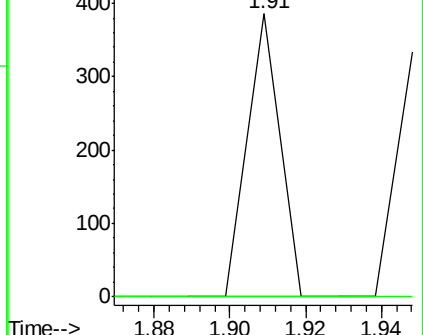
94 100

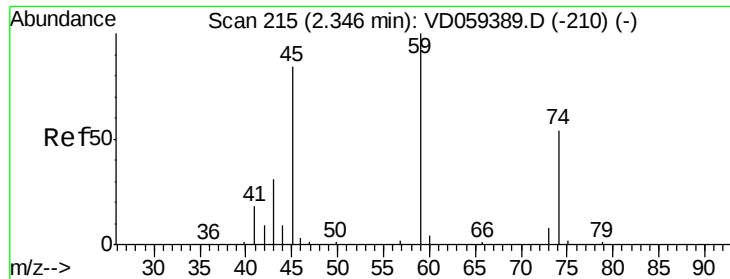
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.983 ug/l

RT: 2.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

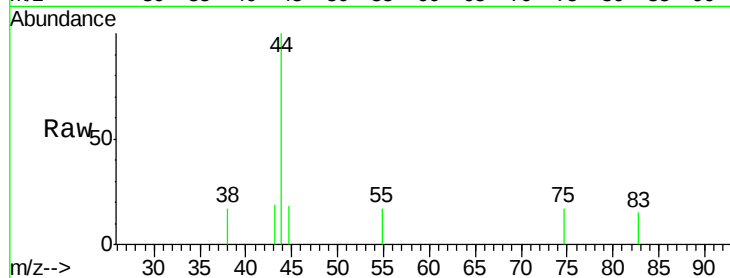
ClientSampleId :

Tot Ion: 74 Resp: 211

Ion Ratio Lower Upper

74 100

45 0.0 78.0 233.8#

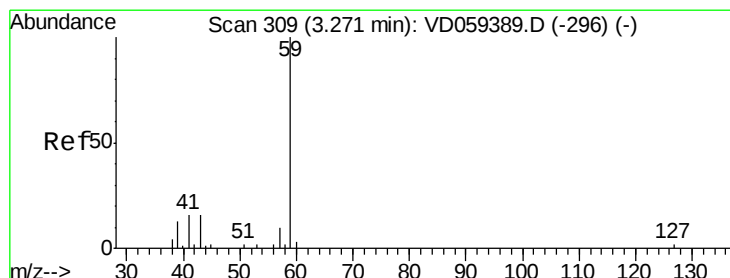
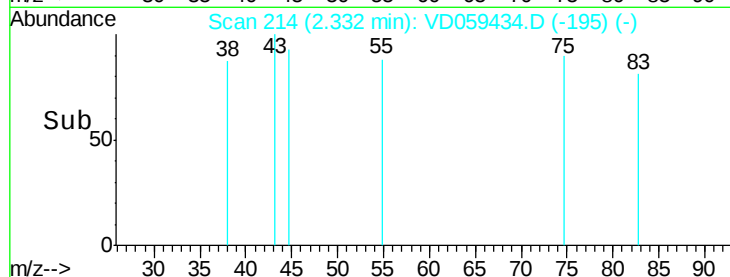


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.33

Time-->



#11

Tert butyl alcohol

Concen: 75.323 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.07 min

Lab File: VD059434.D

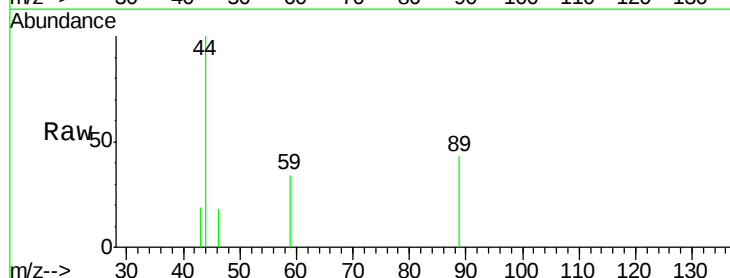
Acq: 26 Jun 2018 20:10

Tgt Ion: 59 Resp: 1809

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

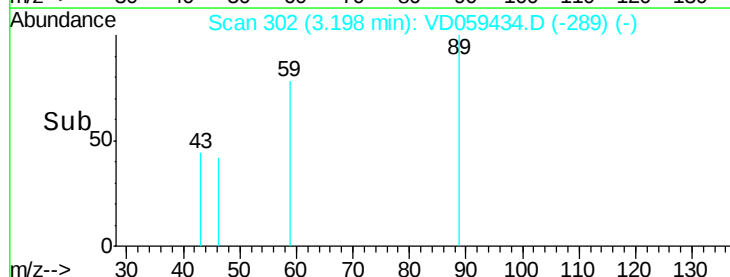


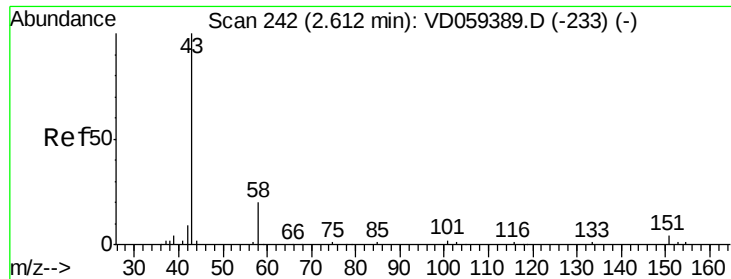
Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.20

Time-->





#16

Acetone

Concen: 472.615 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

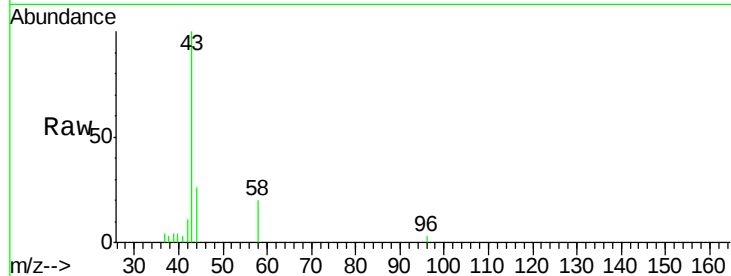
ClientSampleId :

Tot Ion: 43 Resp: 41409

Ion Ratio Lower Upper

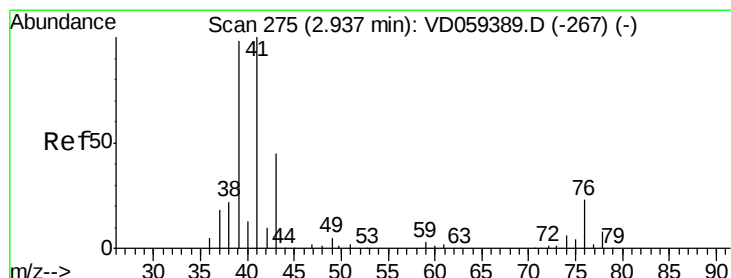
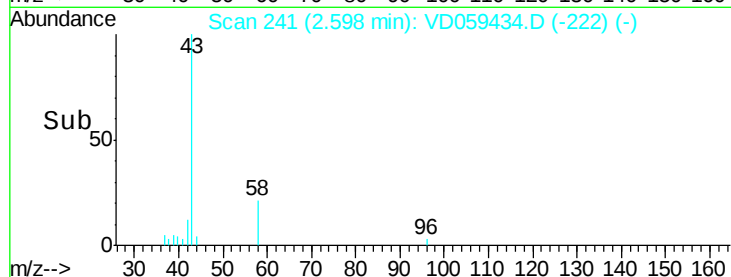
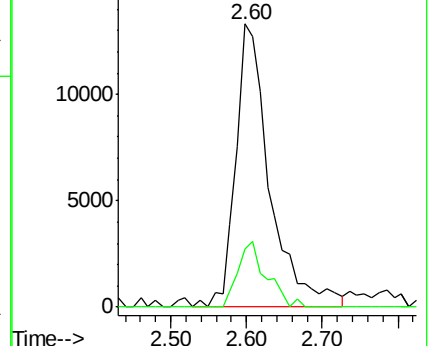
43 100

58 20.4 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.576 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059434.D

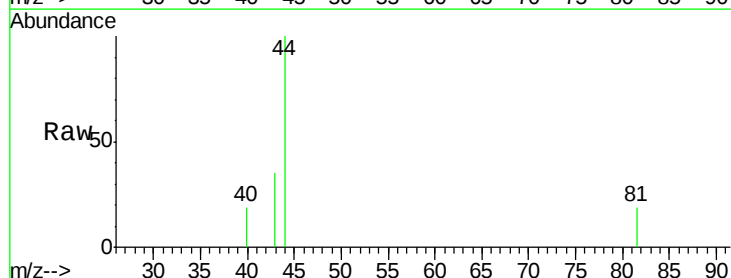
Acq: 26 Jun 2018 20:10

Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

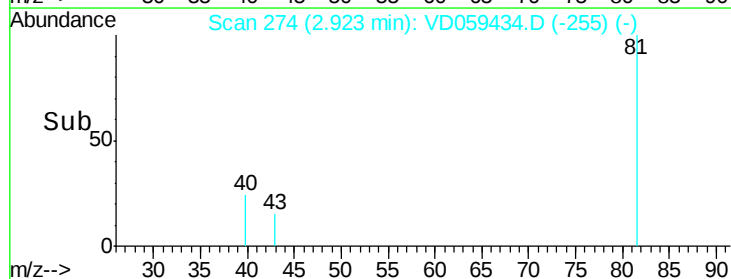
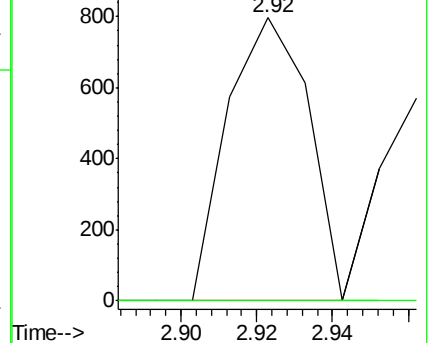
43 100

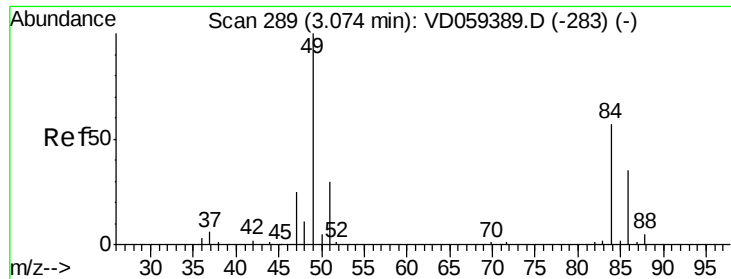
74 0.0 11.0 16.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

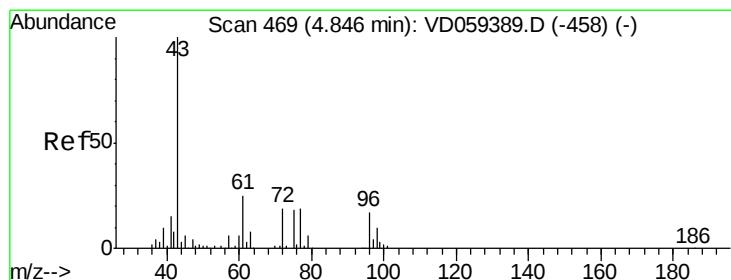
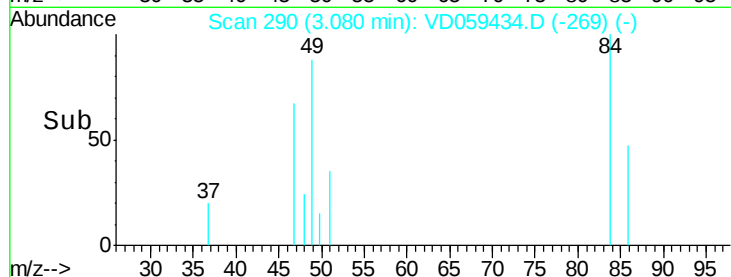
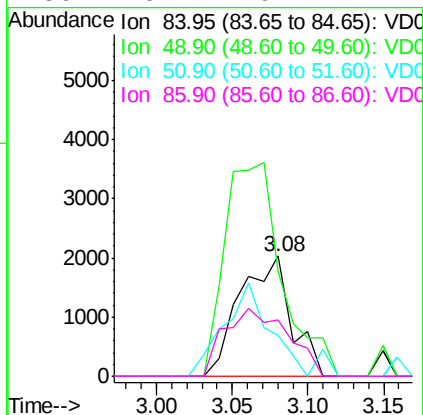
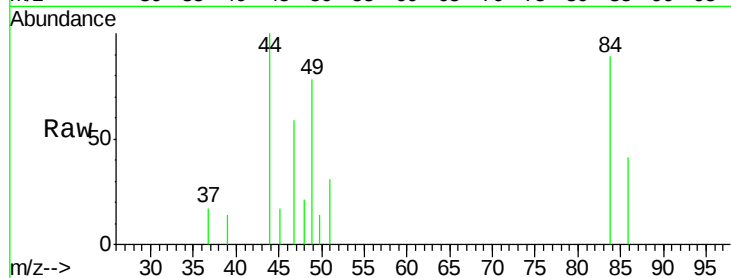




#20
Methvlene Chloride
Concen: 18.205 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.01 min
Lab File: VD059434.D
Acq: 26 Jun 2018 20:10

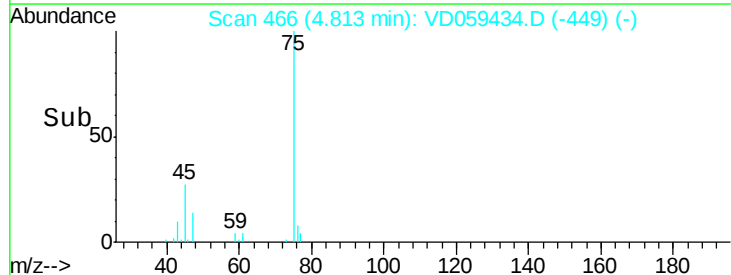
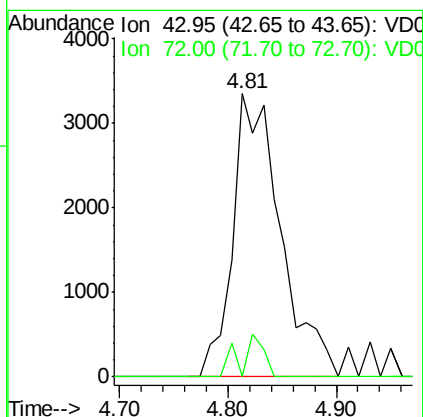
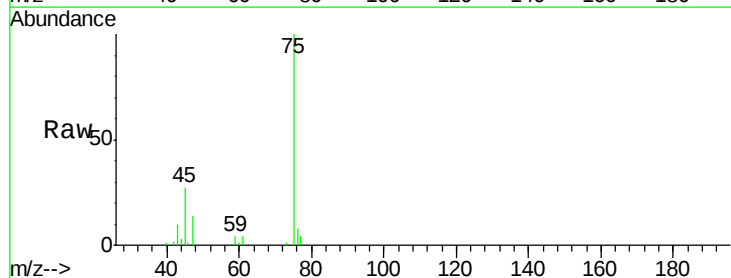
Instrument :
MSVOA_D
ClientSampleId :

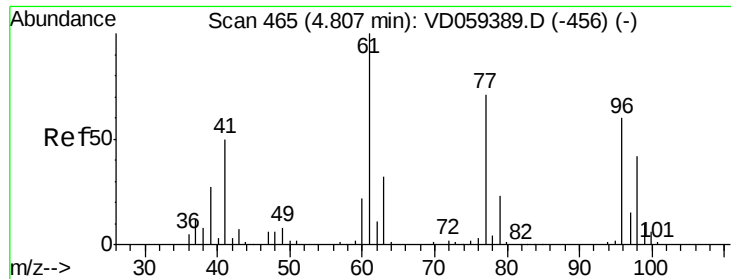
Tot Ion: 84 Resp: 4809
Ion Ratio Lower Upper
84 100
49 87.9 140.3 210.5#
51 34.7 41.6 62.4#
86 46.7 49.4 74.2#



#25
2-Butanone
Concen: 56.118 ug/l
RT: 4.81 min Scan# 466
Delta R.T. -0.03 min
Lab File: VD059434.D
Acq: 26 Jun 2018 20:10

Tgt Ion: 43 Resp: 10300
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#





#26

2,2-Dichloropropane

Concen: 6.012 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

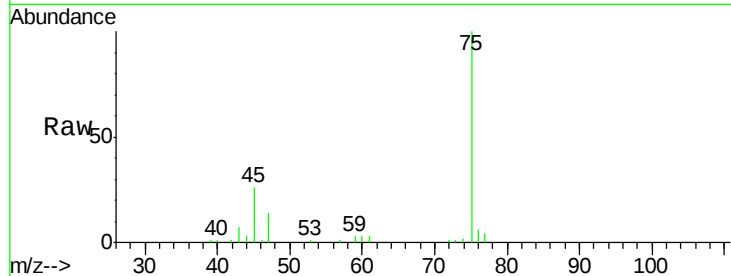
ClientSampleId :

Tot Ion: 77 Resp: 5139

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

2000

1500

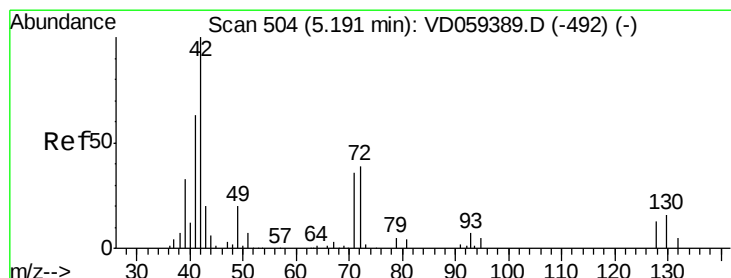
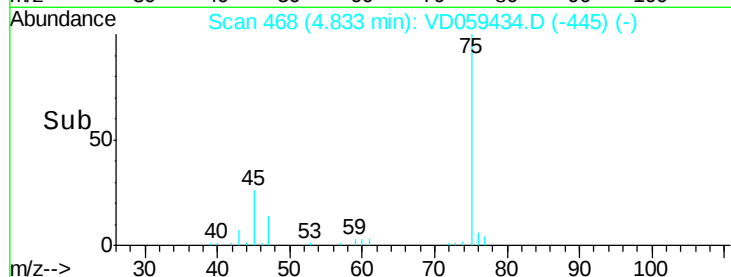
1000

500

0

4.75 4.80 4.85 4.90

Time-->



#29

Tetrahydrofuran

Concen: 5.339 ug/l

RT: 5.19 min Scan# 504

Delta R.T. -0.00 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

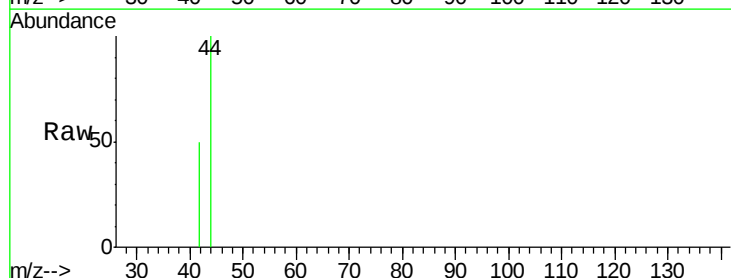
Tgt Ion: 42 Resp: 536

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

600

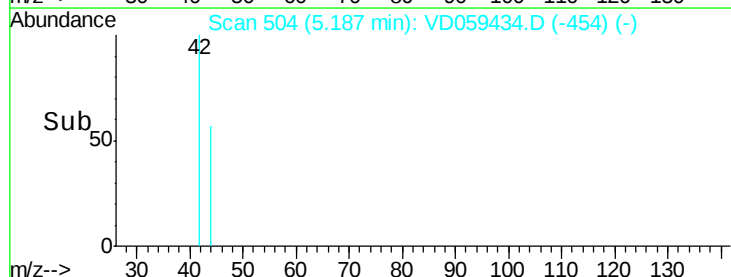
400

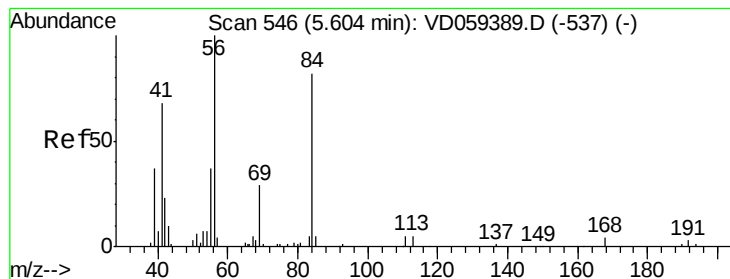
200

0

5.14 5.16 5.18 5.20 5.22

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 5.62 min Scan# 548

Delta R.T. 0.02 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

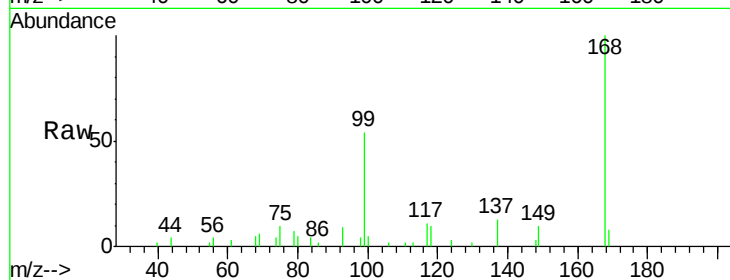
Tot Ion: 56 Resp: 957

Ion Ratio Lower Upper

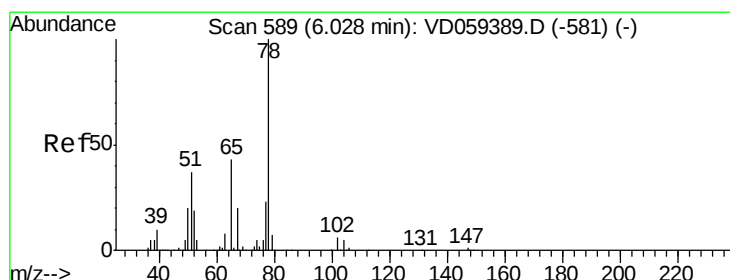
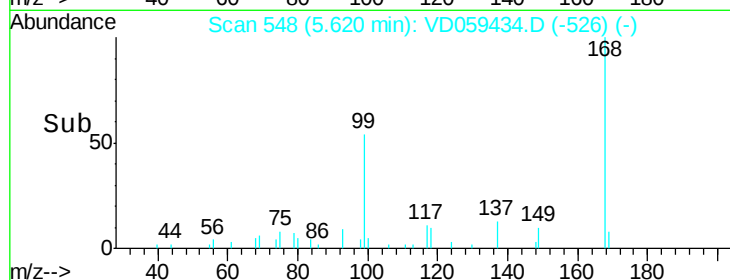
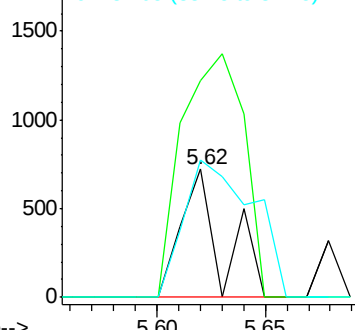
56 100

69 169.9 22.9 34.3#

84 107.8 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: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059434.D

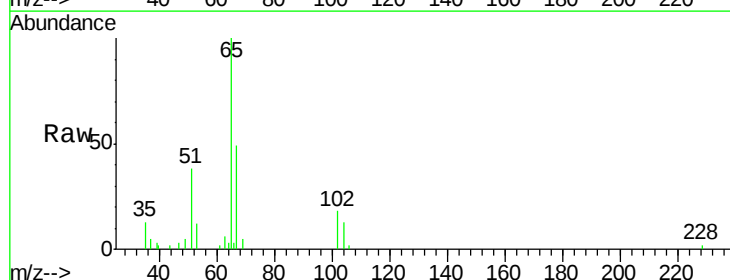
Acq: 26 Jun 2018 20:10

Tgt Ion: 65 Resp: 52668

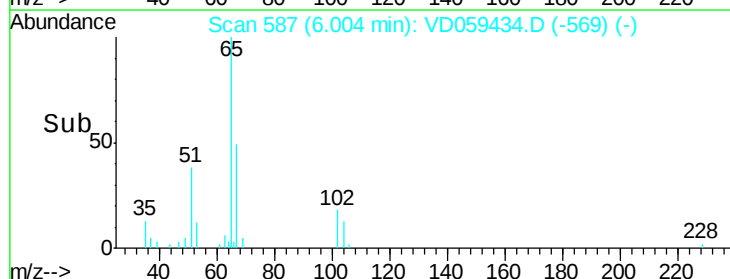
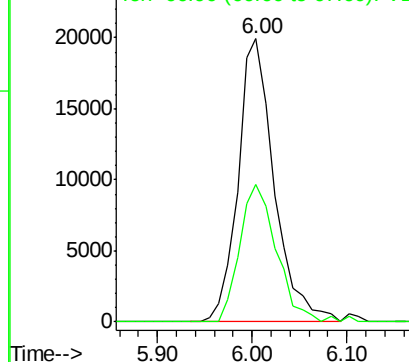
Ion Ratio Lower Upper

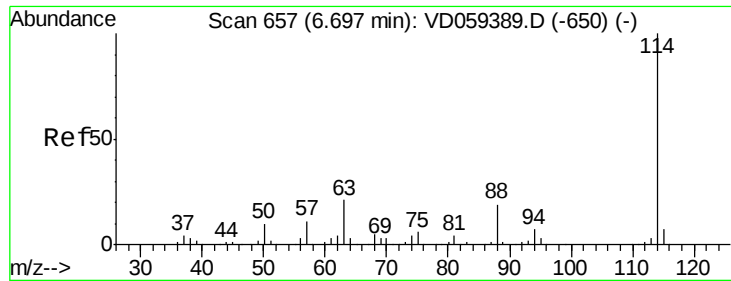
65 100

67 48.7 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: 6.67 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059434.D

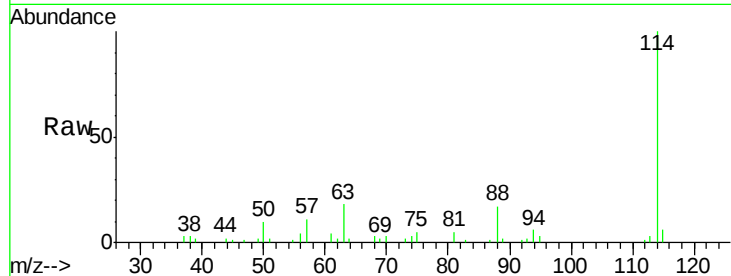
Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

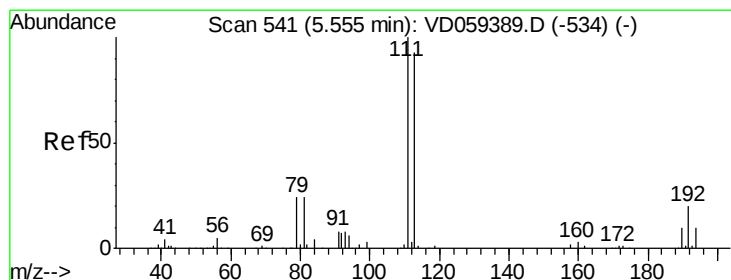
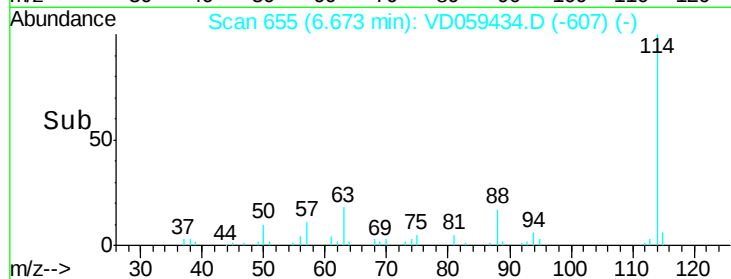
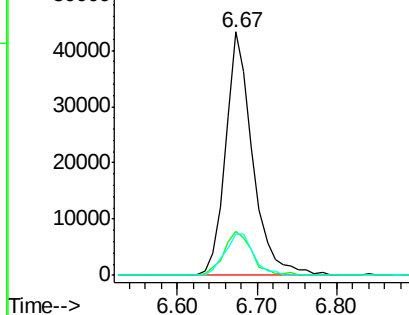
Tot Ion:114	Resp:	102587
Ion Ratio	Lower	Upper
114 100		
63 18.2	0.0	42.4
88 16.9	0.0	38.0



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

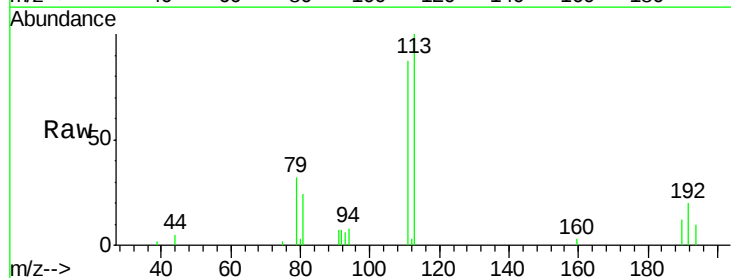
RT: 5.53 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

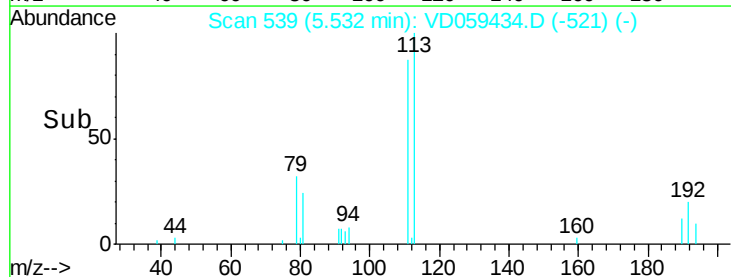
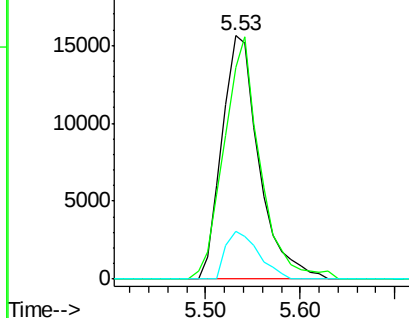
Tgt Ion:113	Resp:	42421
Ion Ratio	Lower	Upper
113 100		
111 87.0	85.7	128.5
192 19.8	16.9	25.3

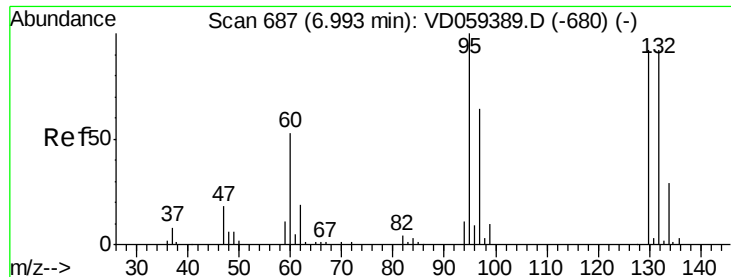


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

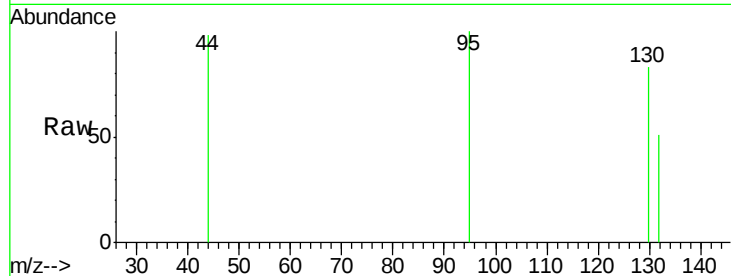




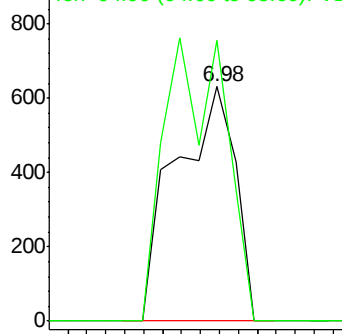
#44
 Trichloroethene
 Concen: 1.889 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD059434.D
 Acq: 26 Jun 2018 20:10

Instrument :
 MSVOA_D
 ClientSampleId :

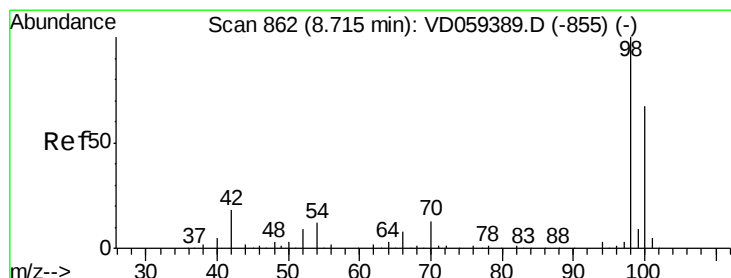
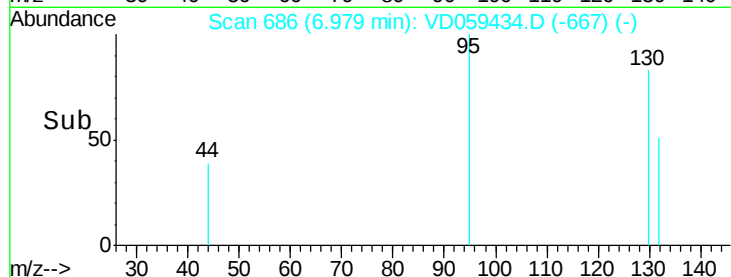
Tot Ion:130 Resp: 1381
 Ion Ratio Lower Upper
 130 100
 95 119.8 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

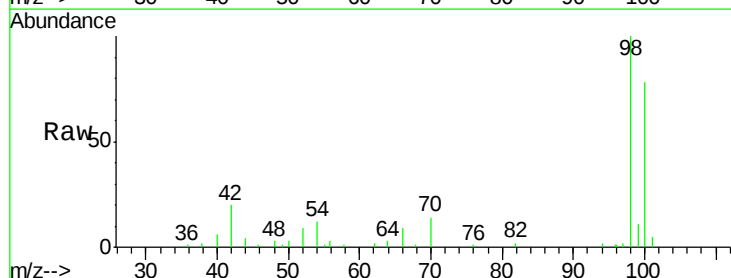


Time-->

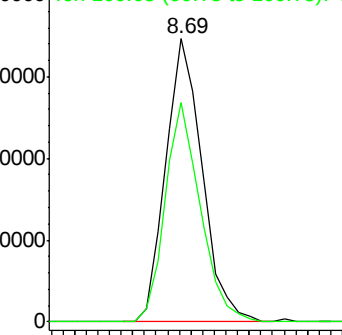


#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 8.69 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VD059434.D
 Acq: 26 Jun 2018 20:10

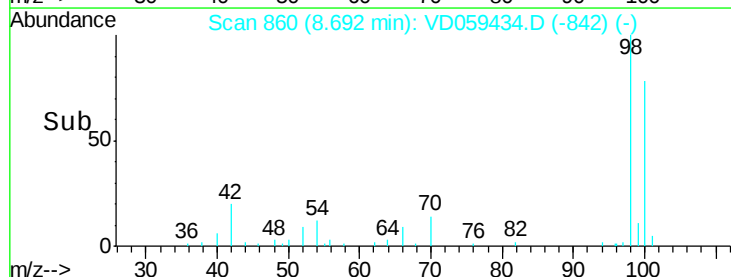
Tgt Ion: 98 Resp: 75041
 Ion Ratio Lower Upper
 98 100
 100 77.6 54.4 81.6

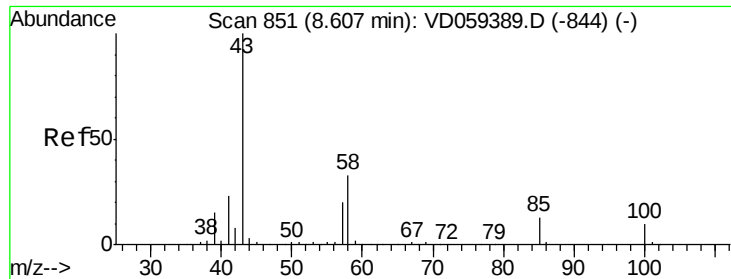


Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC



Time-->





#51

4-Methyl-2-Pentanone

Concen: 2.138 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

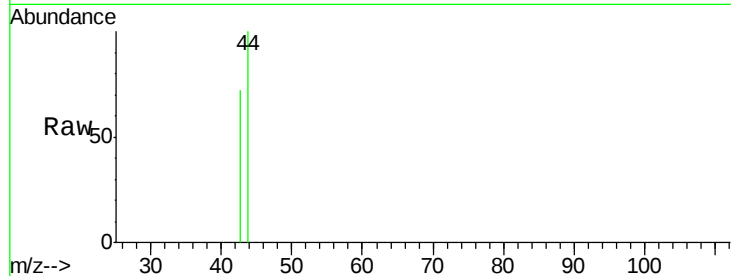
ClientSampleId :

Tot Ion: 43 Resp: 1014

Ion Ratio Lower Upper

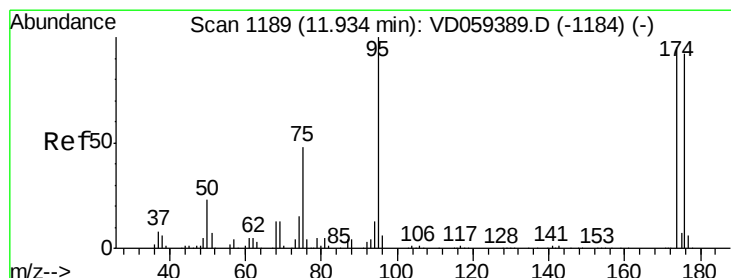
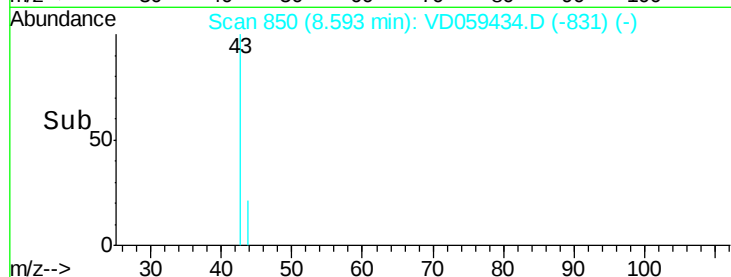
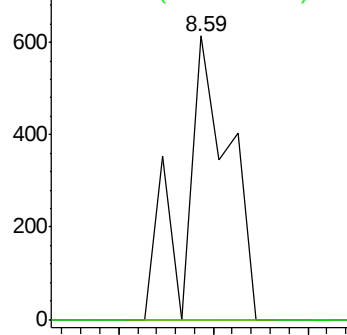
43 100

58 0.0 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: VD059434.D

Acq: 26 Jun 2018 20:10

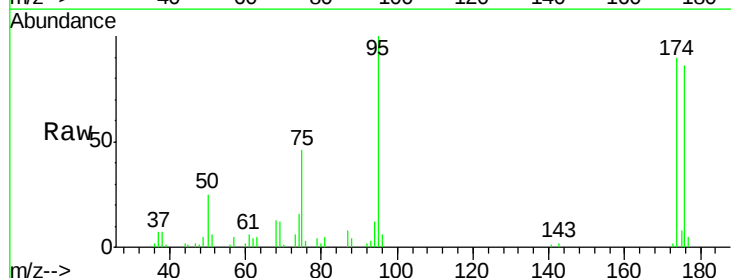
Tgt Ion: 95 Resp: 43025

Ion Ratio Lower Upper

95 100

174 90.1 0.0 190.4

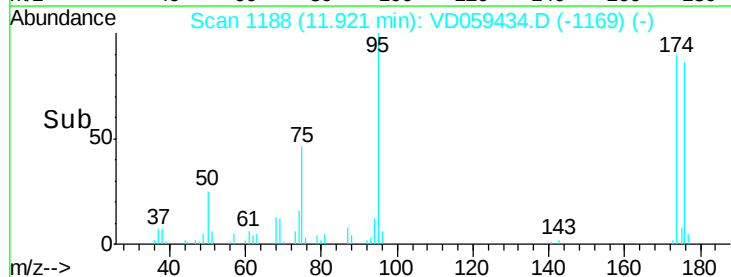
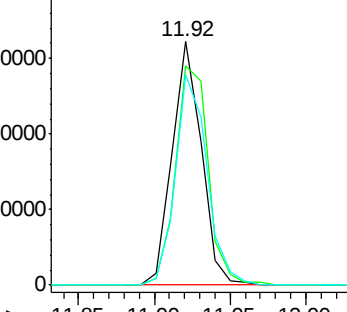
176 86.4 0.0 183.2

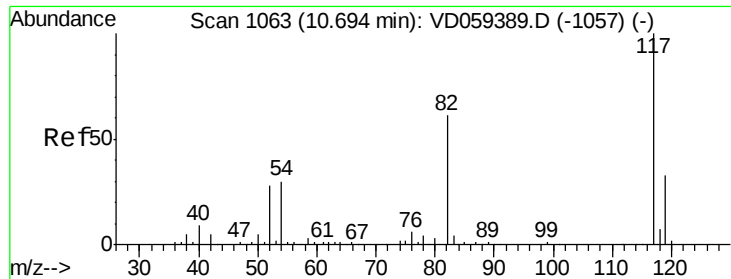


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

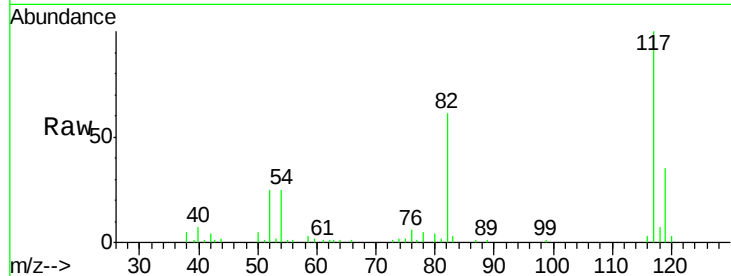




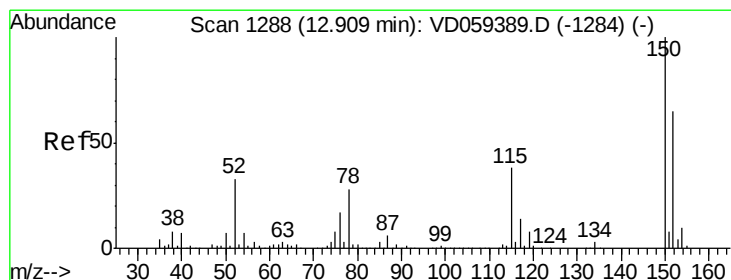
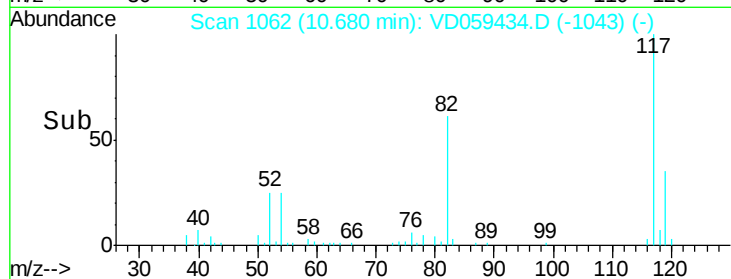
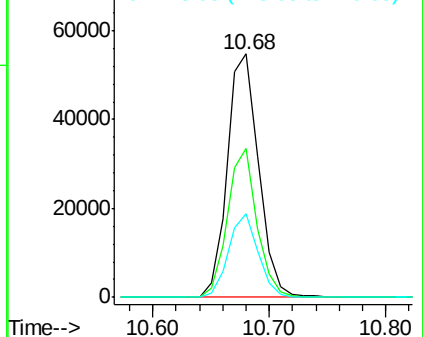
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059434.D
Acq: 26 Jun 2018 20:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 101832
Ion Ratio Lower Upper
117 100
82 61.0 49.0 73.6
119 34.6 26.2 39.4

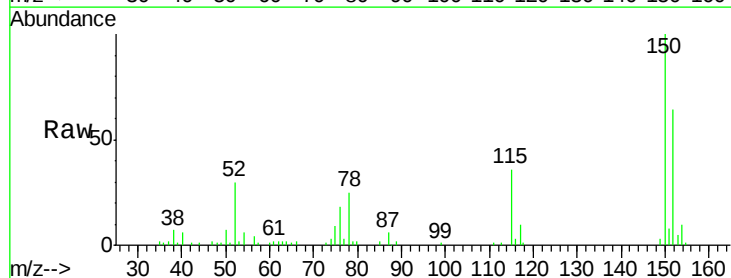


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

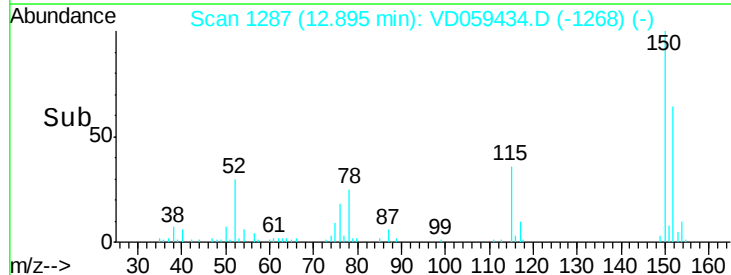
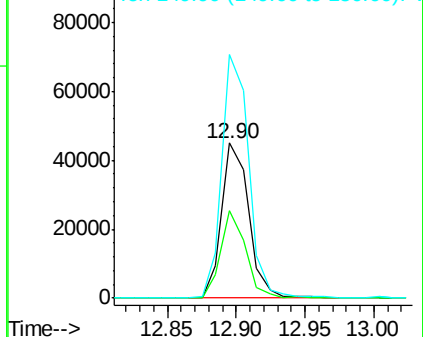


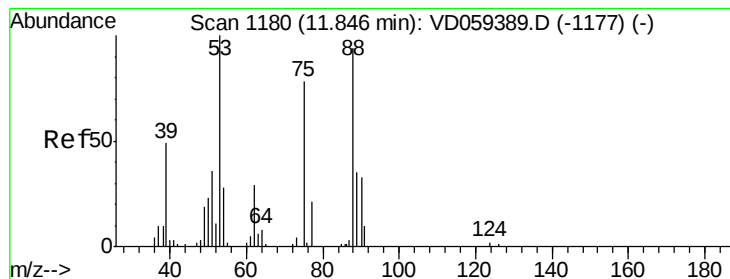
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059434.D
Acq: 26 Jun 2018 20:10

Tgt Ion:152 Resp: 61498
Ion Ratio Lower Upper
152 100
115 56.0 29.4 88.3
150 157.0 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: 101.984 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.07 min

Lab File: VD059434.D

Acq: 26 Jun 2018 20:10

Instrument :

MSVOA_D

ClientSampleId :

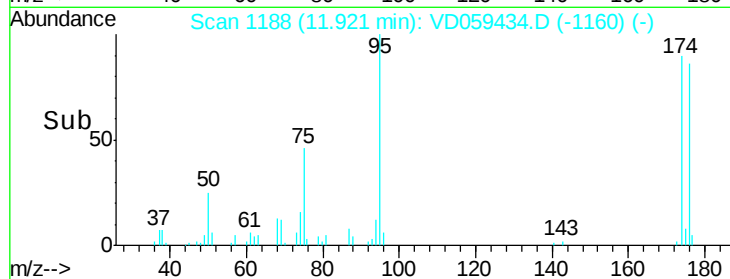
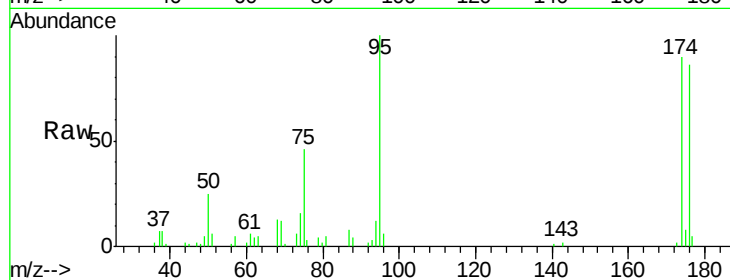
Tot Ion: 75 Resp: 19663

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

