

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059493.D
 Acq On : 29 Jun 2018 15:52
 Operator : VA/AP
 Sample : J3248-11
 Misc : 6.64g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 00:26:17 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	589178	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	773713	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	590032	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	265787	50.00	ug/l	0.00

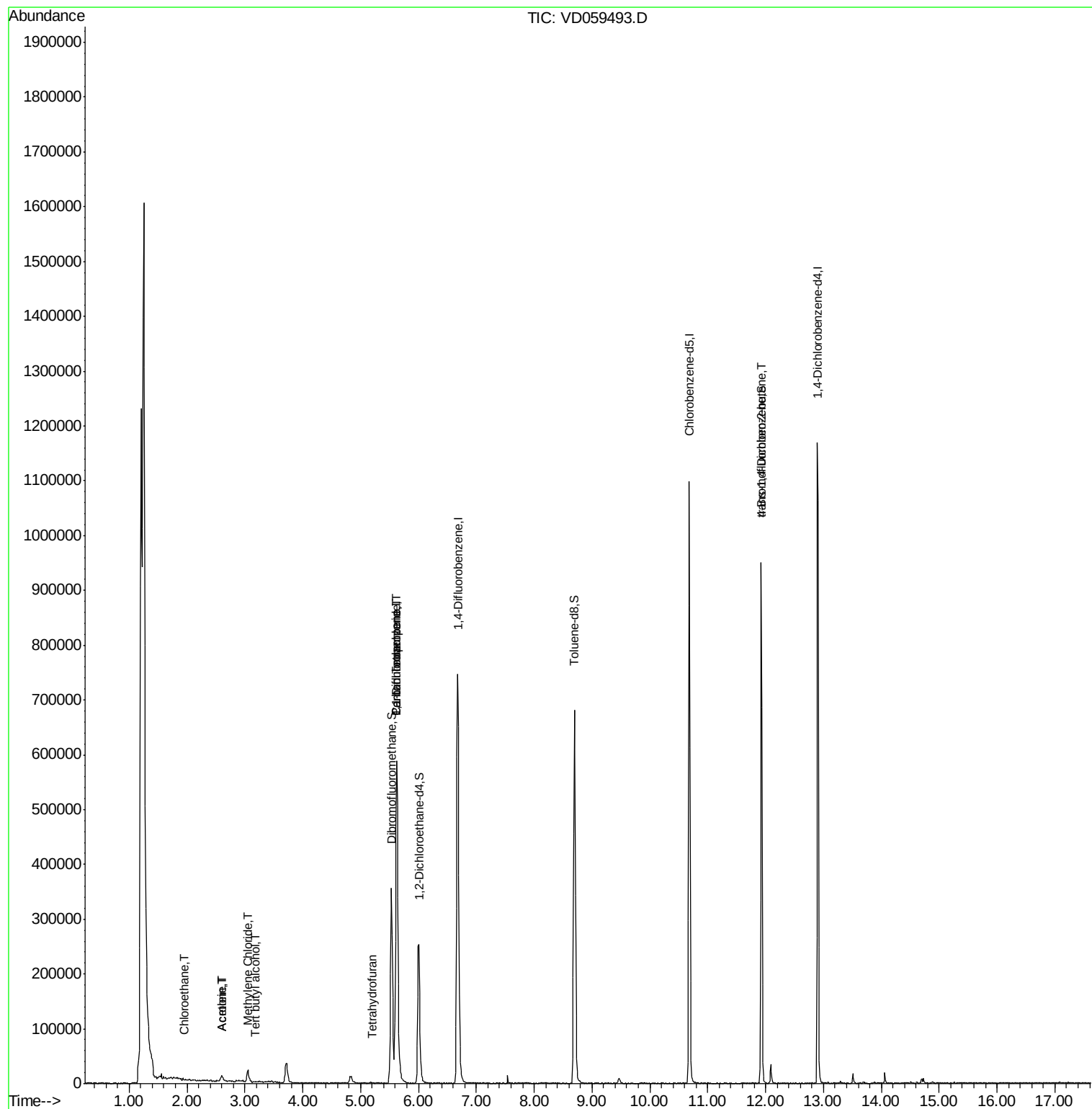
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	251167	41.69	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	83.38%	
35) Dibromofluoromethane	5.53	113	275014	43.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	87.28%	
50) Toluene-d8	8.69	98	533624	36.22	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	72.44%	
62) 4-Bromofluorobenzene	11.92	95	244138	39.84	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	79.68%	

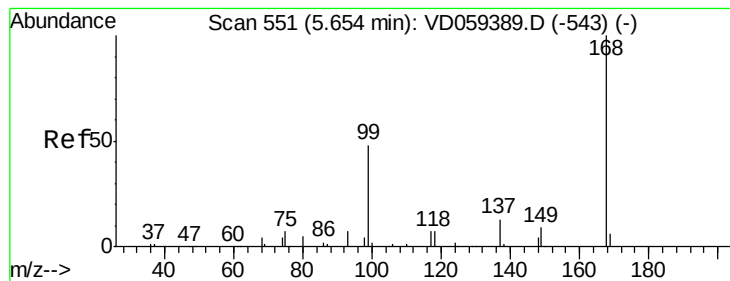
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.78	94	426	Below Cal	#	4
6) Chloroethane	1.95	64	188	2.044	ug/l #	41
11) Tert butyl alcohol	3.17	59	222	1.065	ug/l #	72
13) Acrolein	2.61	56	383	2.055	ug/l #	16
16) Acetone	2.59	43	21849	28.732	ug/l #	79
18) Methyl Acetate	2.92	43	2716	Below Cal	#	66
20) Methylene Chloride	3.04	84	8909	1.820	ug/l #	88
29) Tetrahydrofuran	5.20	42	1341	1.539	ug/l #	53
31) Cyclohexane	5.61	56	12193	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	44467	6.336	ug/l #	52
38) Carbon Tetrachloride	5.62	117	46715	6.456	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.92	75	118165	141.808	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.03 min

Lab File: VD059493.D

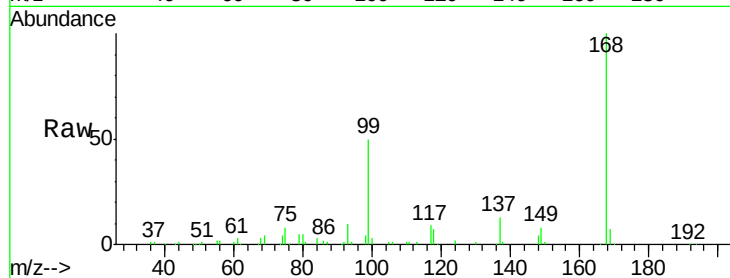
Acq: 29 Jun 2018 15:52

Tot Ion: 168 Resp: 589178

Ion Ratio Lower Upper

168 100

99 50.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

250000

200000

150000

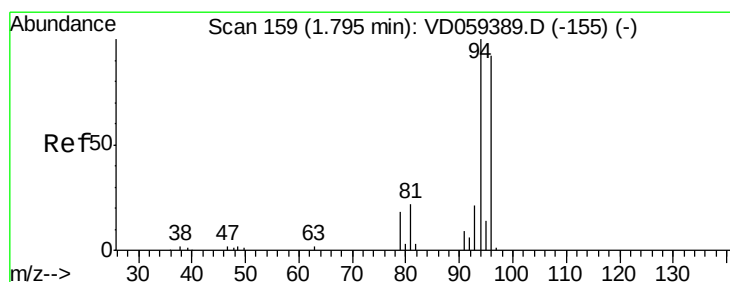
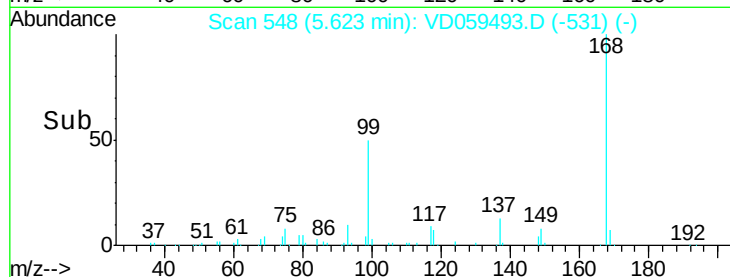
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059493.D

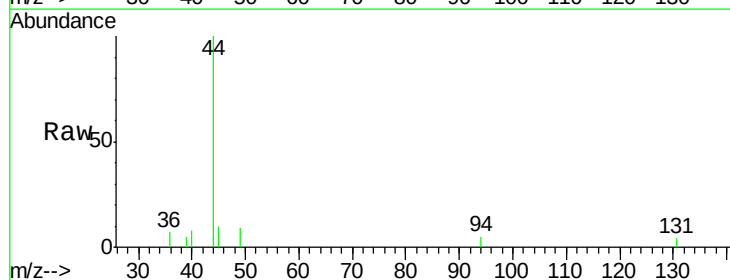
Acq: 29 Jun 2018 15:52

Tgt Ion: 94 Resp: 426

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

1.78

400

300

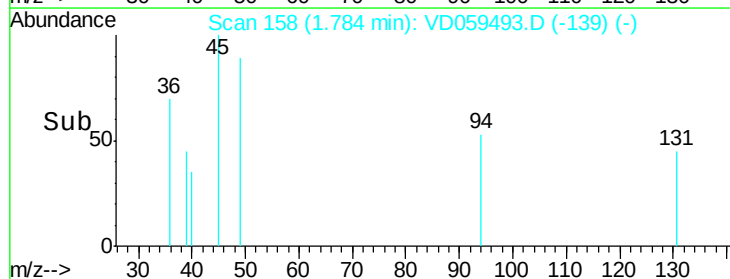
200

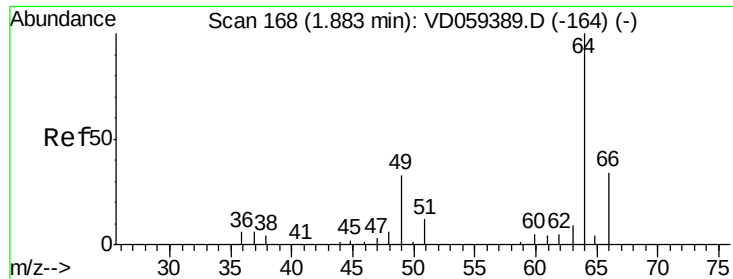
100

0

Time-->

1.74 1.76 1.78 1.80 1.82





#6

Chloroethane

Concen: 2.044 ug/l

RT: 1.95 min Scan# 175

Delta R.T. 0.07 min

Lab File: VD059493.D

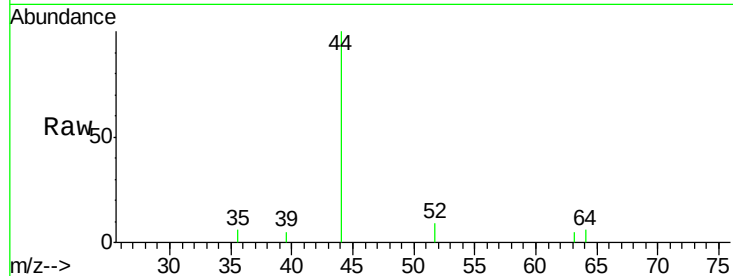
Acq: 29 Jun 2018 15:52

Tot Ion: 64 Resp: 188

Ion Ratio Lower Upper

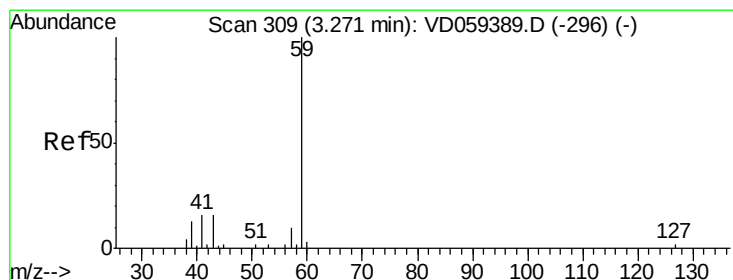
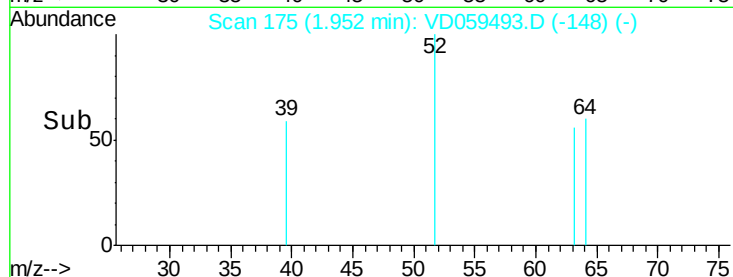
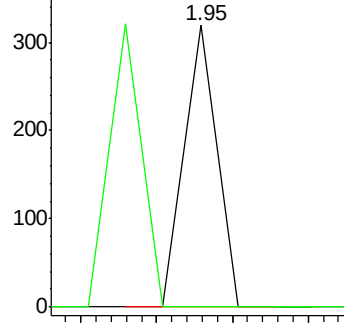
64 100

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



#11

Tert butyl alcohol

Concen: 1.065 ug/l

RT: 3.17 min Scan# 299

Delta R.T. -0.10 min

Lab File: VD059493.D

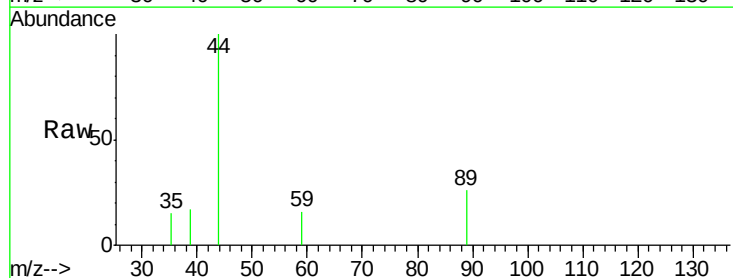
Acq: 29 Jun 2018 15:52

Tgt Ion: 59 Resp: 222

Ion Ratio Lower Upper

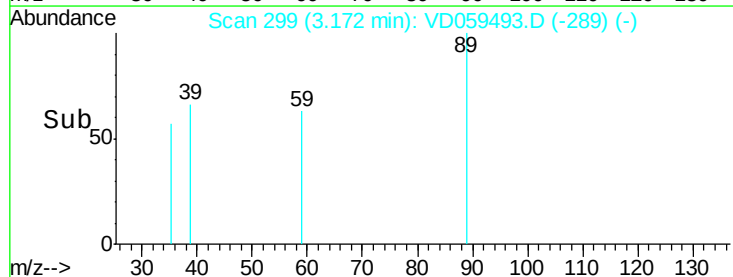
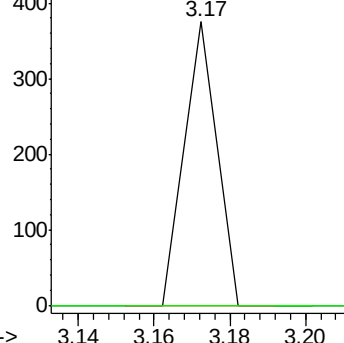
59 100

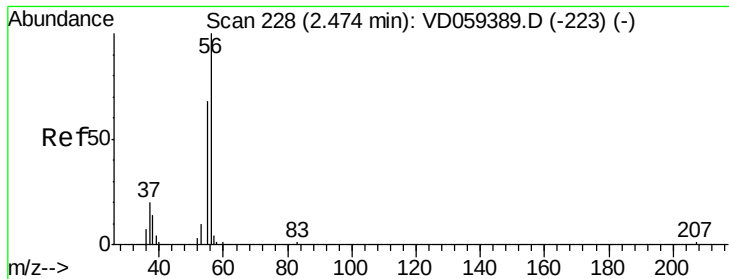
57 0.0 8.3 12.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 2.055 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.14 min

Lab File: VD059493.D

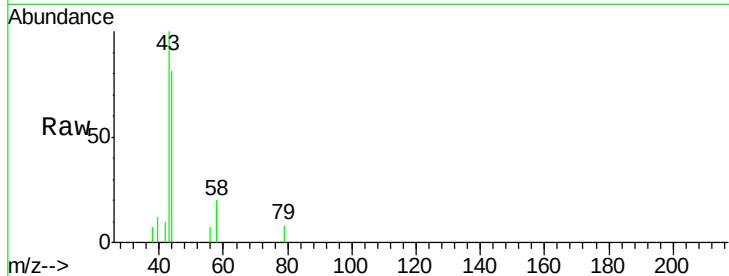
Acq: 29 Jun 2018 15:52

Tot Ion: 56 Resp: 383

Ion Ratio Lower Upper

56 100

55 0.0 54.6 82.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.61

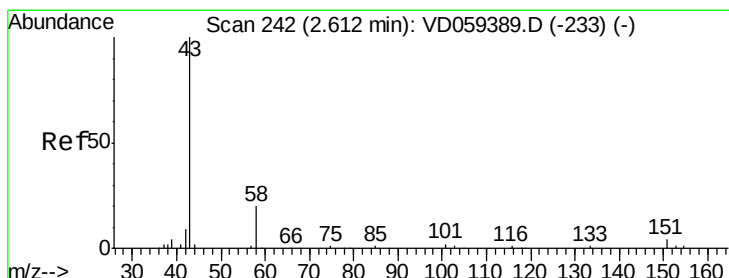
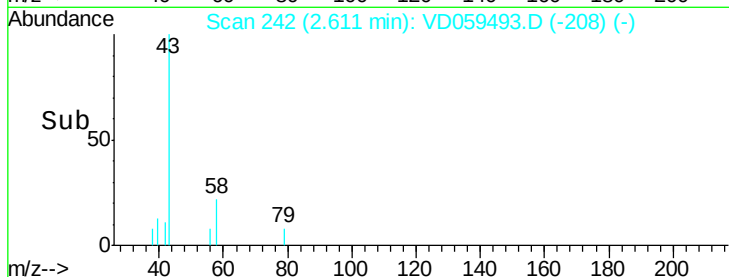
300

200

100

0

Time-->



#16

Acetone

Concen: 28.732 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059493.D

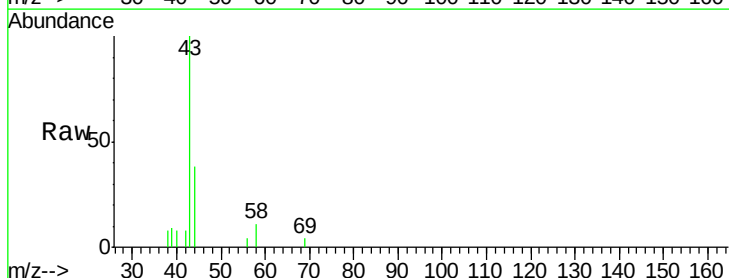
Acq: 29 Jun 2018 15:52

Tgt Ion: 43 Resp: 21849

Ion Ratio Lower Upper

43 100

58 11.2 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.59

8000

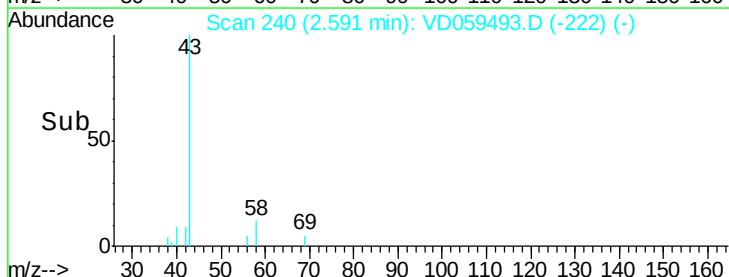
6000

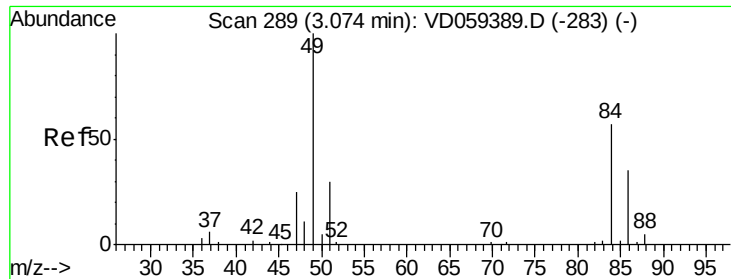
4000

2000

0

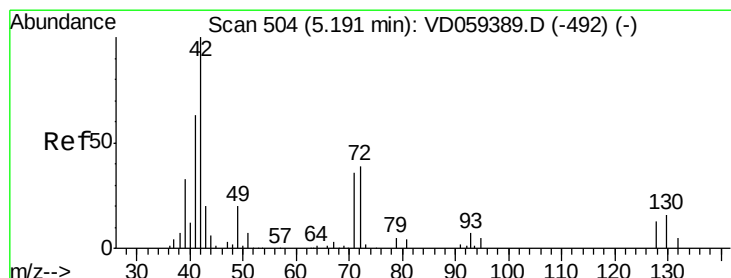
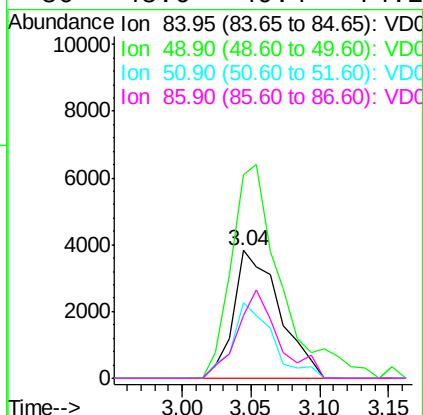
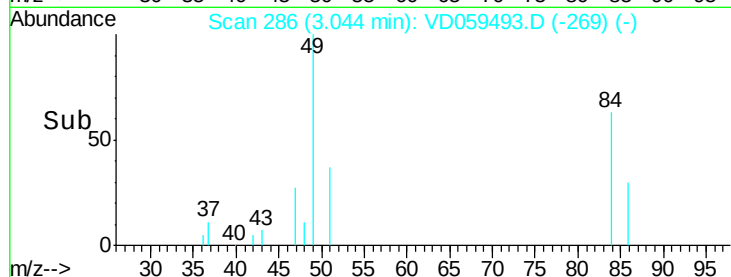
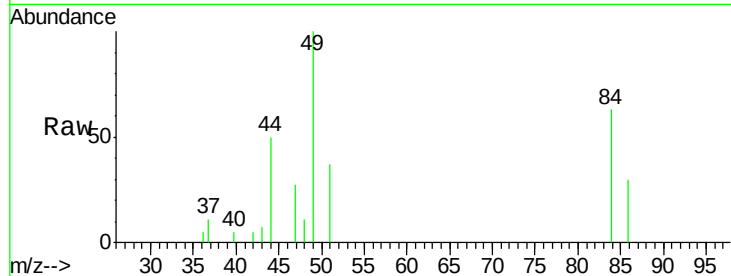
Time-->





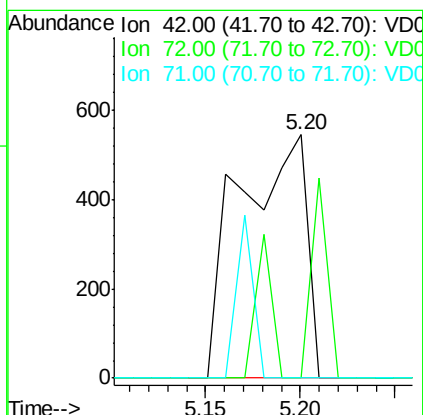
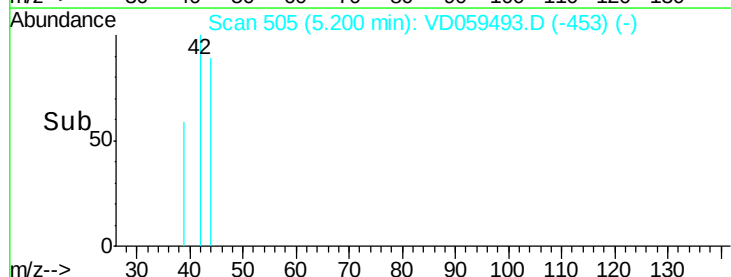
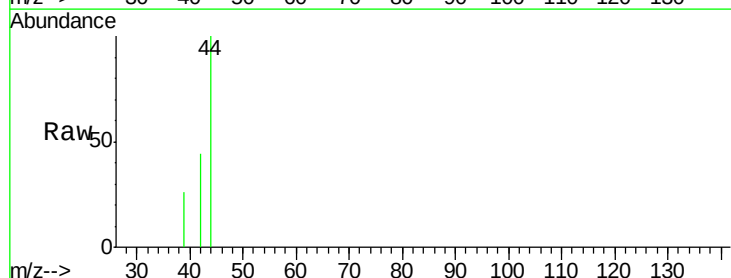
#20
Methvlene Chloride
Concen: 1.820 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059493.D
Acq: 29 Jun 2018 15:52

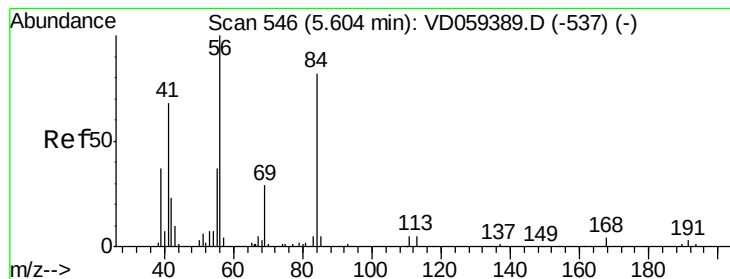
Tot Ion: 84 Resp: 8909
Ion Ratio Lower Upper
84 100
49 159.7 140.3 210.5
51 58.7 41.6 62.4
86 48.6 49.4 74.2#



#29
Tetrahydrofuran
Concen: 1.539 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD059493.D
Acq: 29 Jun 2018 15:52

Tgt Ion: 42 Resp: 1341
Ion Ratio Lower Upper
42 100
72 19.8 31.4 47.2#
71 0.0 29.7 44.5#





#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 547

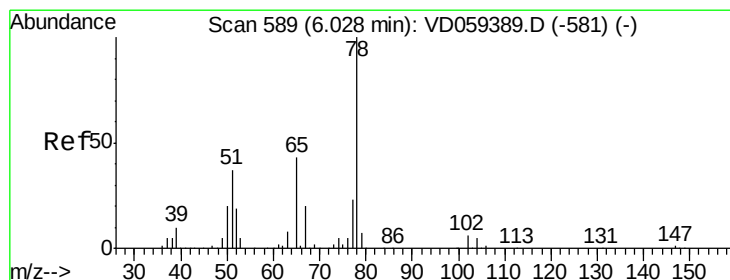
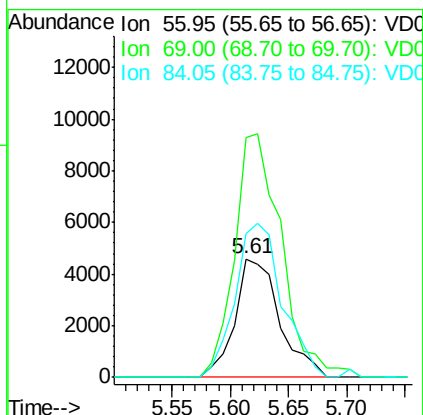
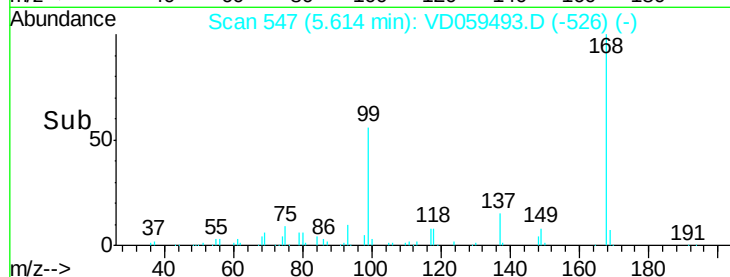
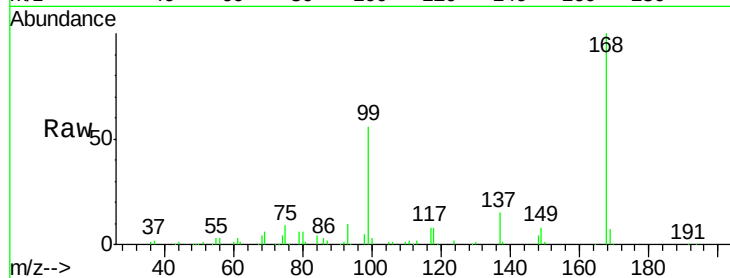
Delta R.T. 0.01 min

Lab File: VD059493.D

Acq: 29 Jun 2018 15:52

Tot Ion: 56 Resp: 12193

Ion	Ratio	Lower	Upper
56	100		
69	202.4	22.9	34.3#
84	121.6	67.3	100.9#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 586

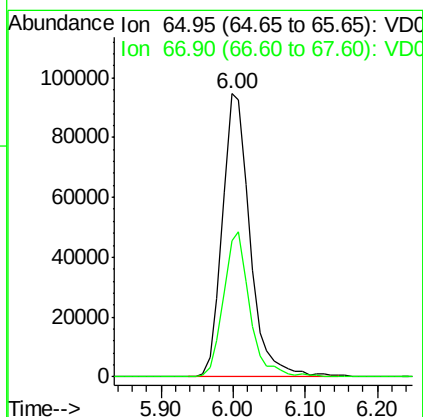
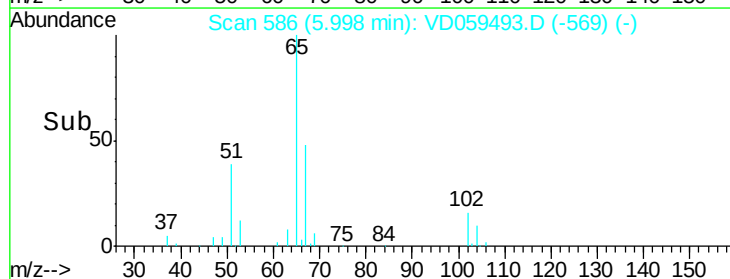
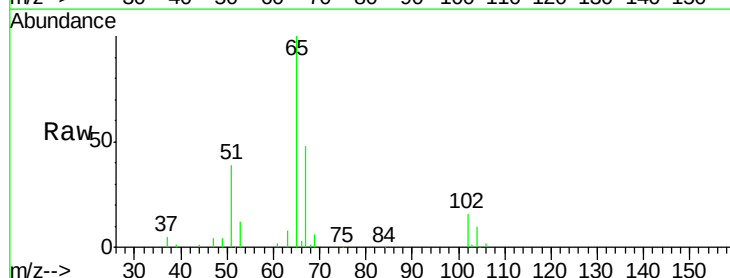
Delta R.T. -0.03 min

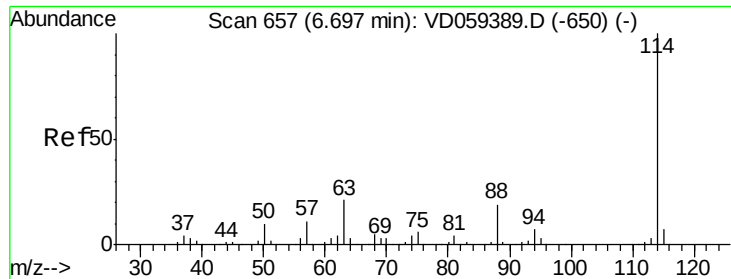
Lab File: VD059493.D

Acq: 29 Jun 2018 15:52

Tgt Ion: 65 Resp: 251167

Ion	Ratio	Lower	Upper
65	100		
67	48.0	0.0	93.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 655

Delta R.T. -0.02 min

Lab File: VD059493.D

Acq: 29 Jun 2018 15:52

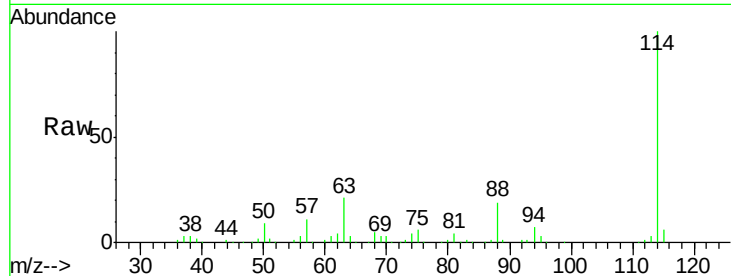
Tot Ion:114 Resp: 773713

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

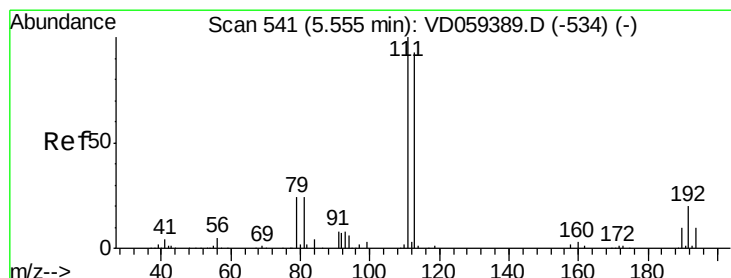
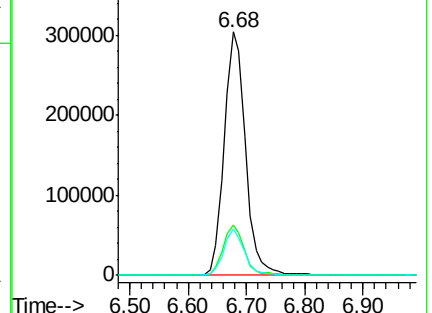
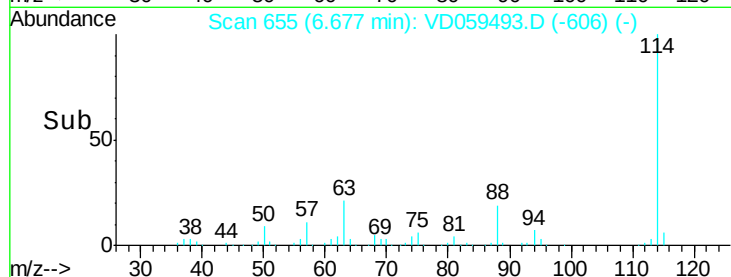
88 19.2 0.0 38.0



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: VD059493.D

Acq: 29 Jun 2018 15:52

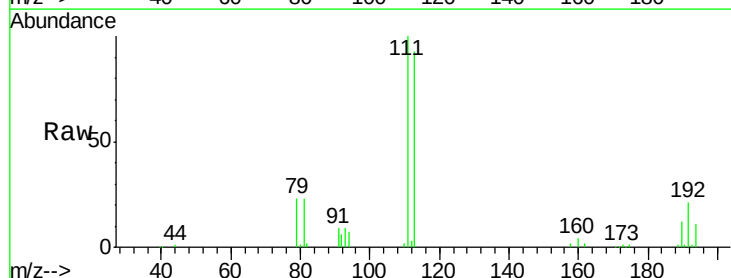
Tgt Ion:113 Resp: 275014

Ion Ratio Lower Upper

113 100

111 107.0 85.7 128.5

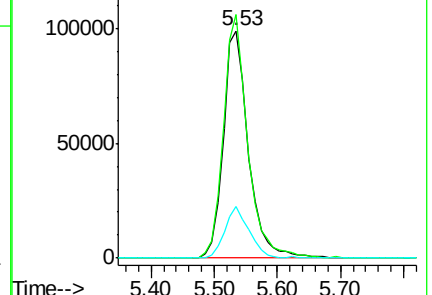
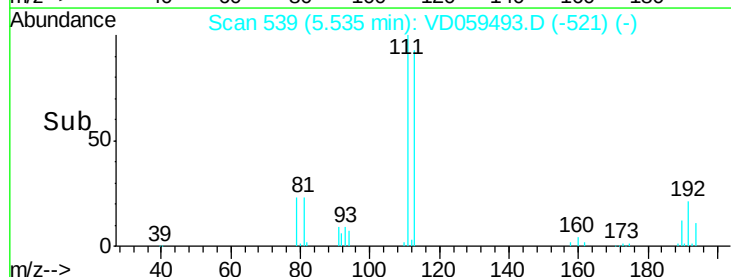
192 22.8 16.9 25.3

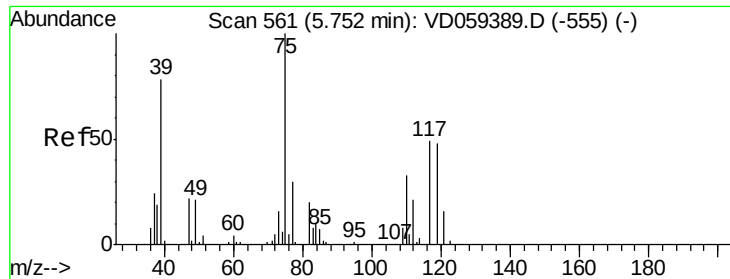


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

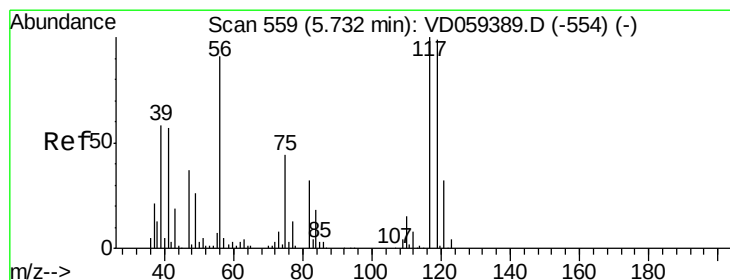
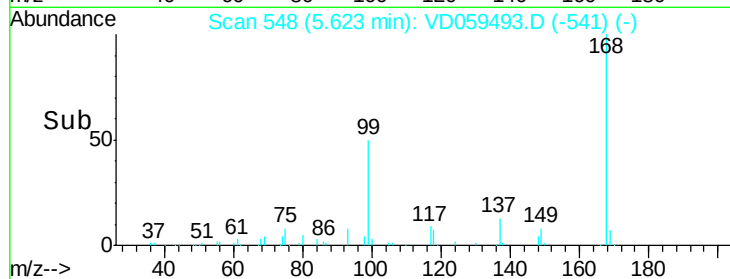
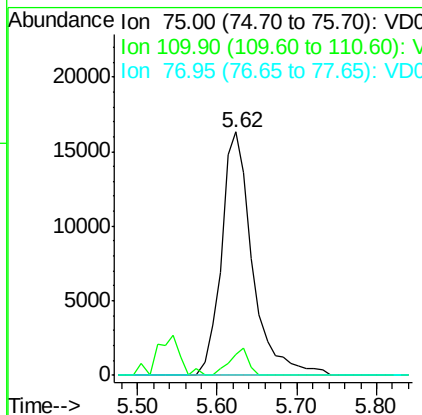
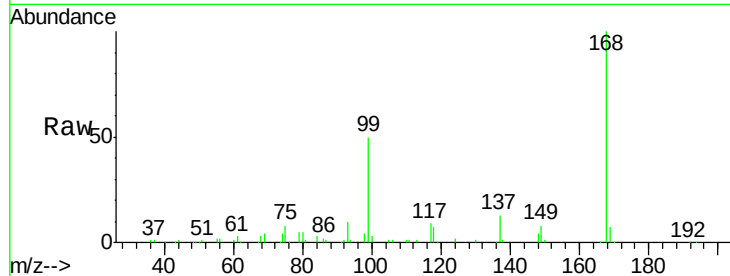
Ion 191.80 (191.50 to 192.50): V





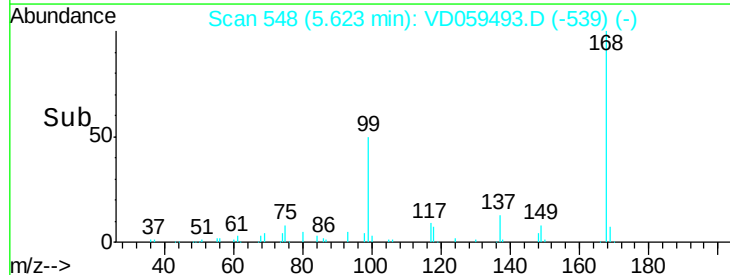
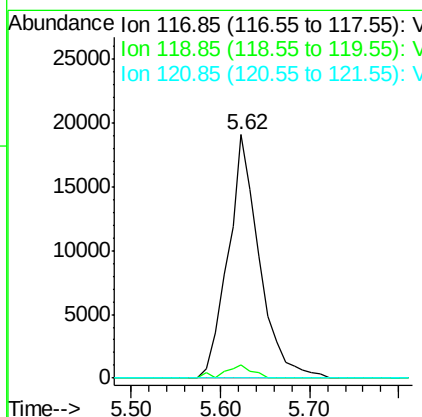
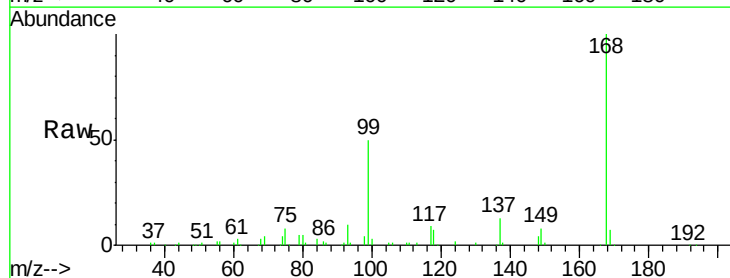
#36
 1,1-Dichloropropene
 Concen: 6.336 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.13 min
 Lab File: VD059493.D
 Acq: 29 Jun 2018 15:52

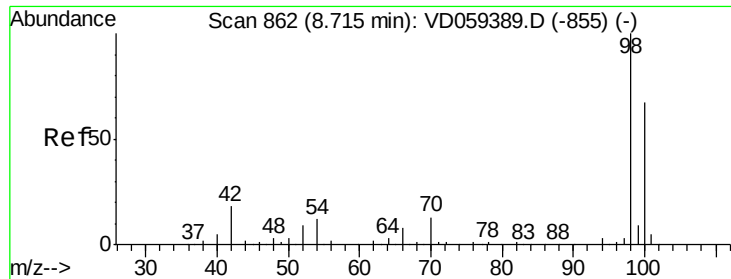
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.1	48.2#
77	0.0	23.4	35.2#



#38
 Carbon Tetrachloride
 Concen: 6.456 ug/l
 RT: 5.62 min Scan# 548
 Delta R.T. -0.11 min
 Lab File: VD059493.D
 Acq: 29 Jun 2018 15:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.6	115.0#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059493.D

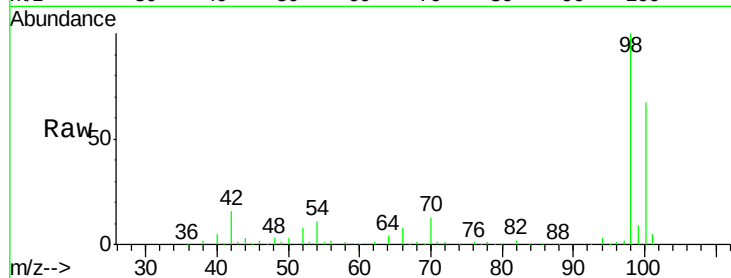
Acq: 29 Jun 2018 15:52

Tot Ion: 98 Resp: 533624

Ion Ratio Lower Upper

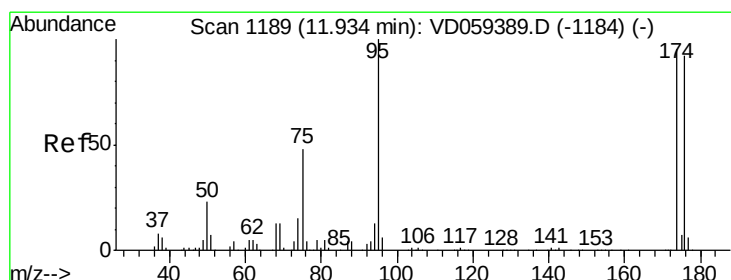
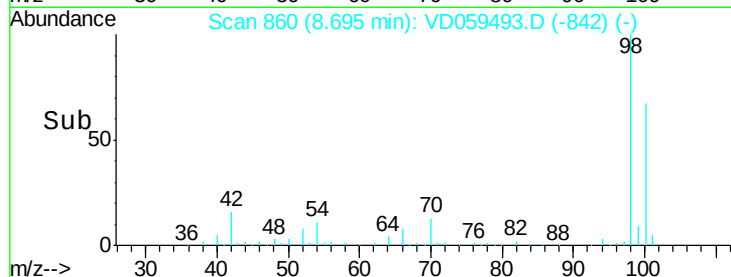
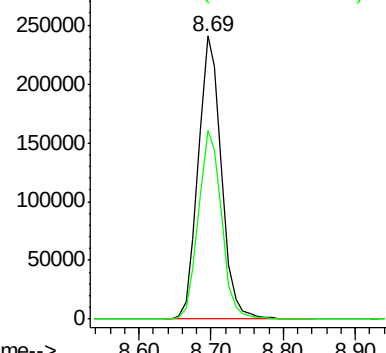
98 100

100 66.7 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059493.D

Acq: 29 Jun 2018 15:52

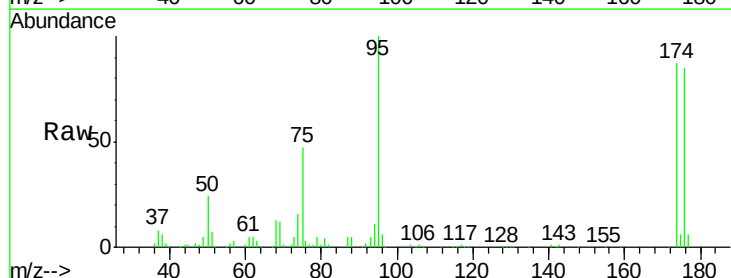
Tgt Ion: 95 Resp: 244138

Ion Ratio Lower Upper

95 100

174 86.8 0.0 190.4

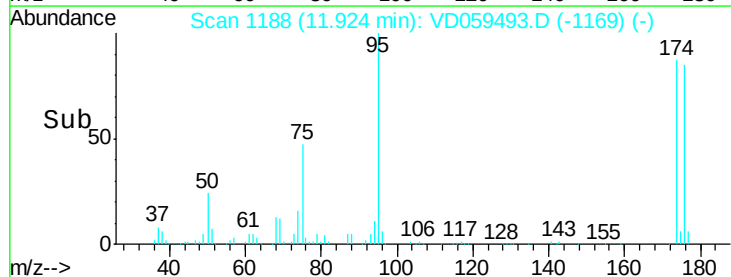
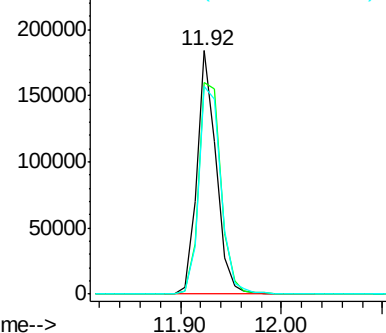
176 85.5 0.0 183.2

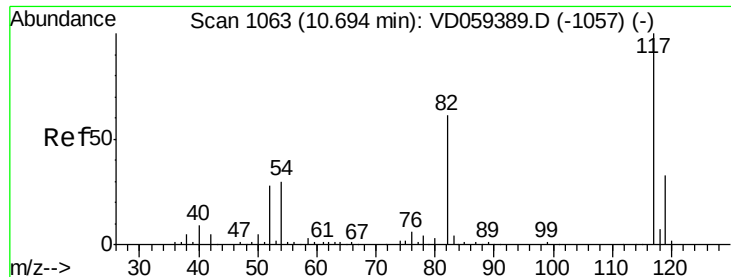


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

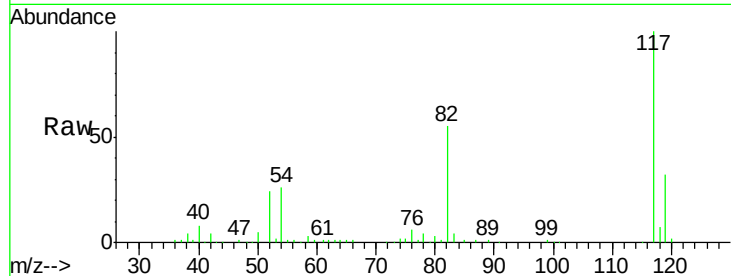
Ion 175.90 (175.60 to 176.60): VDC



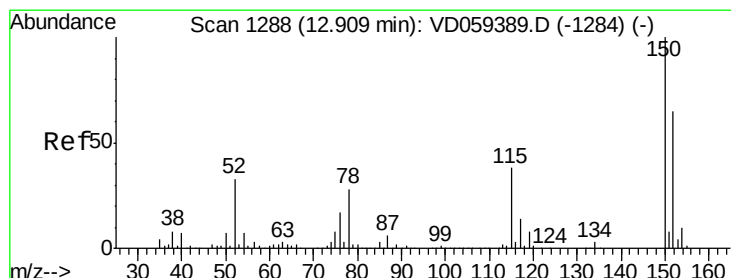
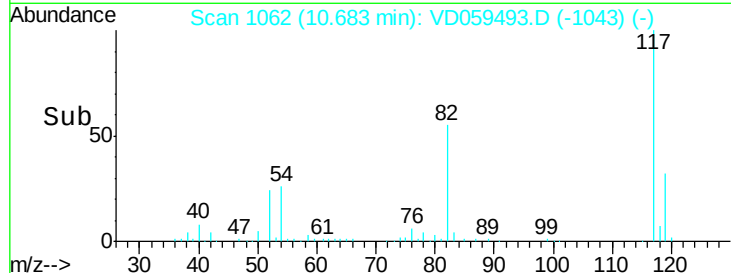
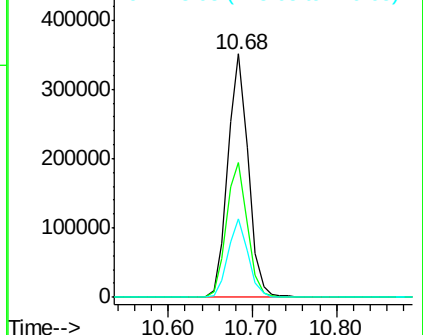


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059493.D
Acq: 29 Jun 2018 15:52

Tot Ion:117 Resp: 590032
Ion Ratio Lower Upper
117 100
82 55.4 49.0 73.6
119 32.4 26.2 39.4

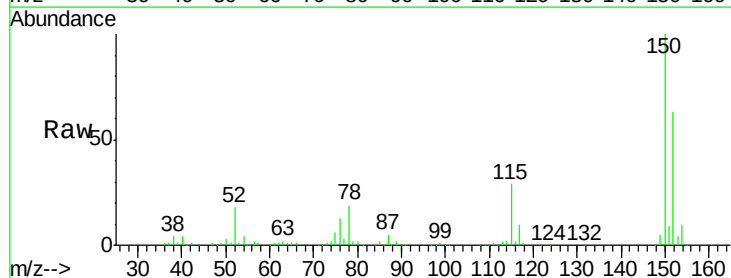


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

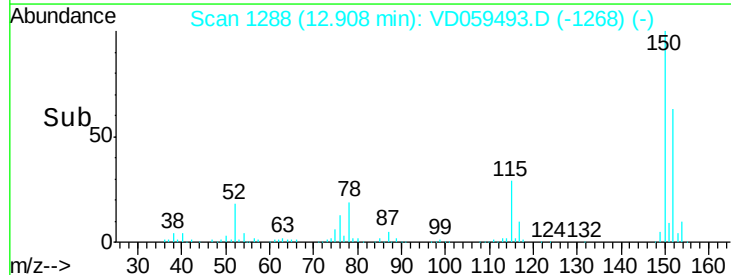
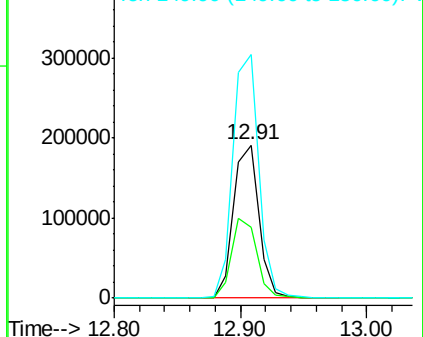


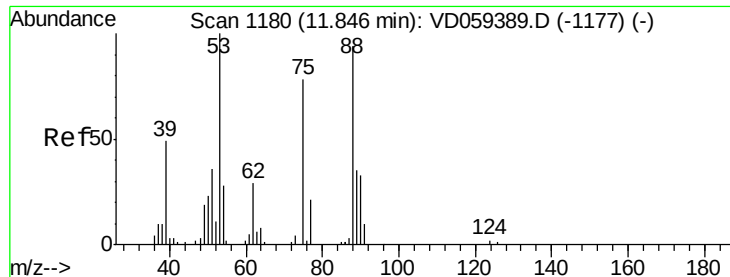
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059493.D
Acq: 29 Jun 2018 15:52

Tgt Ion:152 Resp: 265787
Ion Ratio Lower Upper
152 100
115 46.0 29.4 88.3
150 158.8 0.0 308.2



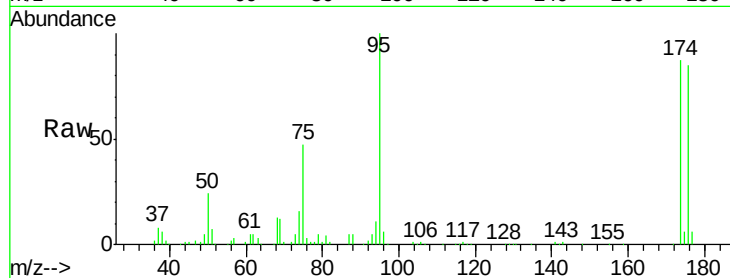
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.808 ug/l
 RT: 11.92 min Scan# 1188
 Delta R.T. 0.08 min
 Lab File: VD059493.D
 Acq: 29 Jun 2018 15:52

Tot 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

