

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059499.D
 Acq On : 29 Jun 2018 18:43
 Operator : VA/AP
 Sample : J3677-10RE
 Misc : 5.02g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 30 00:27:18 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	42257	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	59070	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	58353	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	33966	50.00	ug/l	0.00

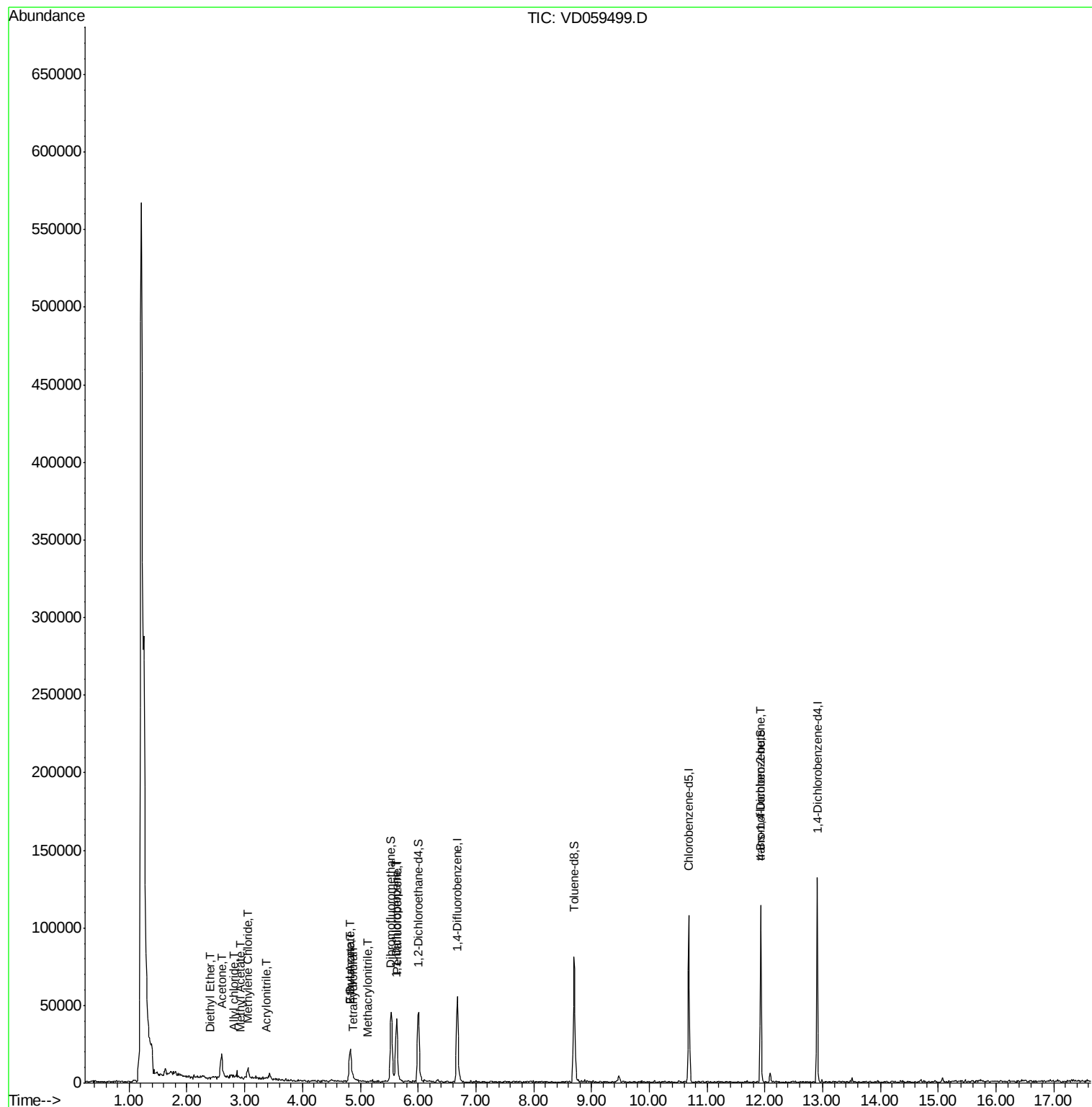
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	45322	104.88	ug/l	-0.02
Spiked Amount			Recovery	=	209.76%	
35) Dibromofluoromethane	5.53	113	36696	76.27	ug/l	-0.02
Spiked Amount			Recovery	=	152.54%	
50) Toluene-d8	8.69	98	61946	55.07	ug/l	-0.02
Spiked Amount			Recovery	=	110.14%	
62) 4-Bromofluorobenzene	11.92	95	33118	70.79	ug/l	-0.01
Spiked Amount			Recovery	=	141.58%	

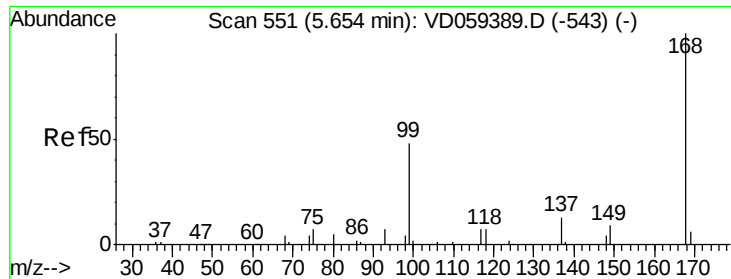
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.38	74	206	3.111	ug/l #	1
14) Allyl chloride	2.82	41	627	1.967	ug/l #	11
15) Acrylonitrile	3.38	53	185	4.032	ug/l #	16
16) Acetone	2.59	43	29066	532.933	ug/l	99
18) Methyl Acetate	2.93	43	762	1.925	ug/l #	66
20) Methylene Chloride	3.05	84	2591	15.404	ug/l	88
25) 2-Butanone	4.83	43	14599	127.781	ug/l	96
29) Tetrahydrofuran	4.88	42	203	3.248	ug/l #	37
31) Cyclohexane	5.63	56	218	Below Cal	#	1
36) 1,1-Dichloropropene	5.61	75	3325	6.205	ug/l #	44
37) Ethyl Acetate	4.83	43	14599	44.737	ug/l #	69
41) Methacrylonitrile	5.13	41	185	1.177	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.92	75	15029	141.134	ug/l #	1

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

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Quant Title : SW846 8260
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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: VD059499.D

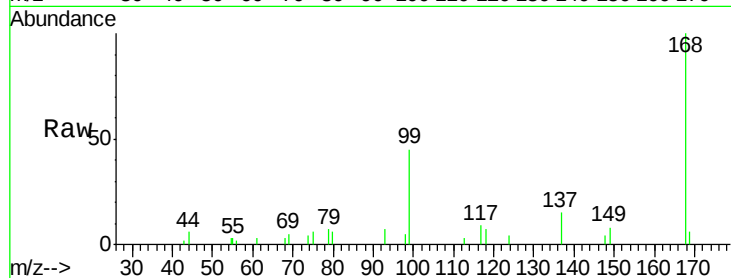
Acq: 29 Jun 2018 18:43

Tot Ion:168 Resp: 42257

Ion Ratio Lower Upper

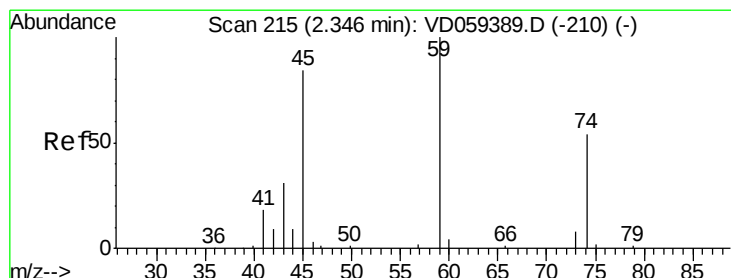
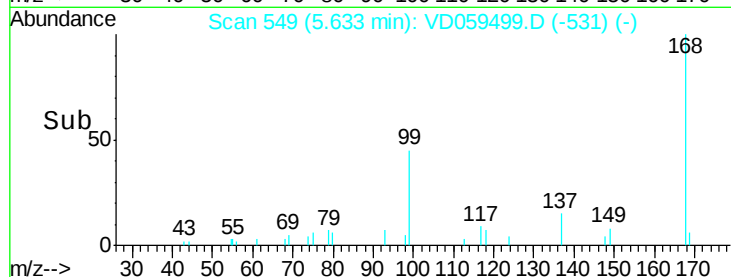
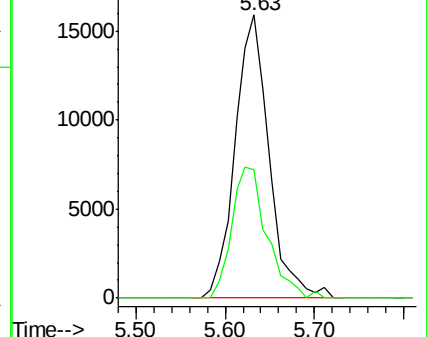
168 100

99 45.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 3.111 ug/l

RT: 2.38 min Scan# 219

Delta R.T. 0.04 min

Lab File: VD059499.D

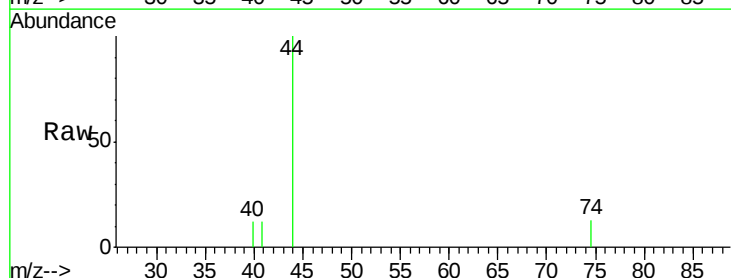
Acq: 29 Jun 2018 18:43

Tgt Ion: 74 Resp: 206

Ion Ratio Lower Upper

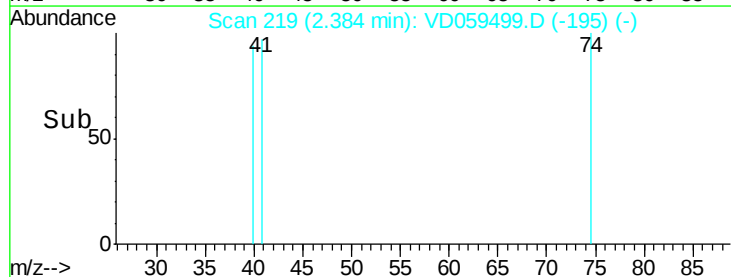
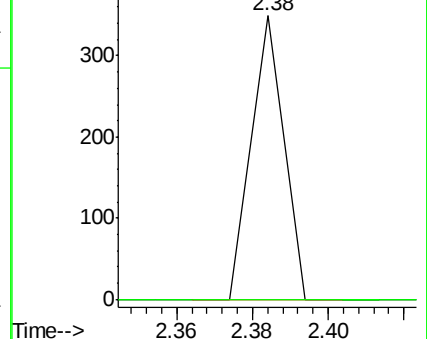
74 100

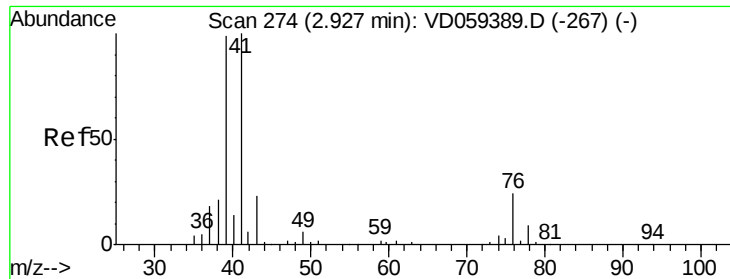
45 0.0 78.0 233.8#



Abundance Ion 74.00 (73.70 to 74.70): VDC

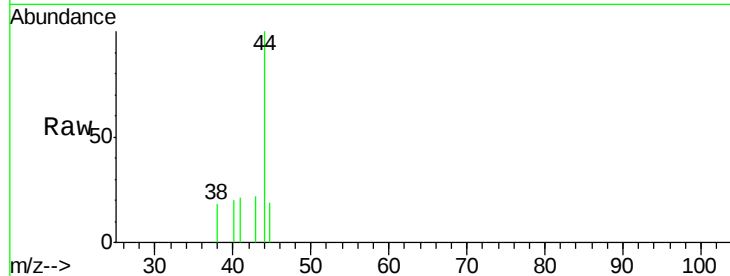
Ion 45.05 (44.75 to 45.75): VDC



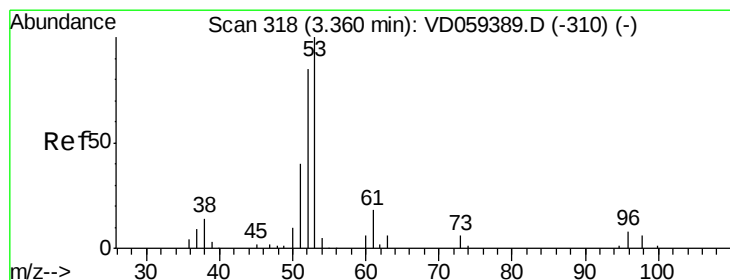
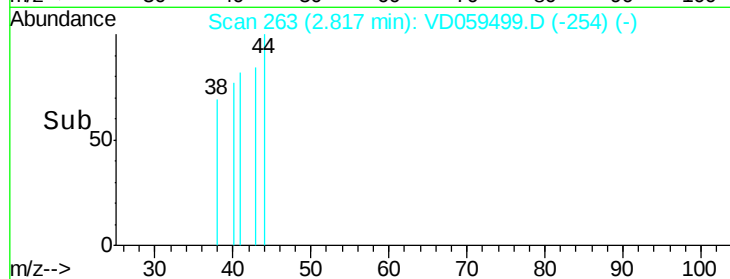
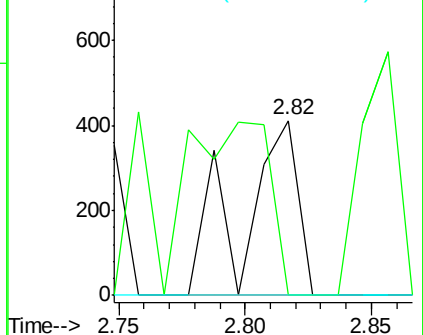


#14
Allvl chloride
Concen: 1.967 ug/l
RT: 2.82 min Scan# 263
Delta R.T. -0.11 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tot Ion: 41 Resp: 627
Ion Ratio Lower Upper
41 100
39 0.0 79.1 118.7#
76 0.0 21.9 32.9#

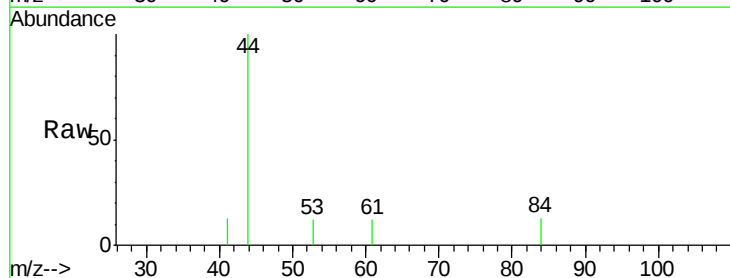


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

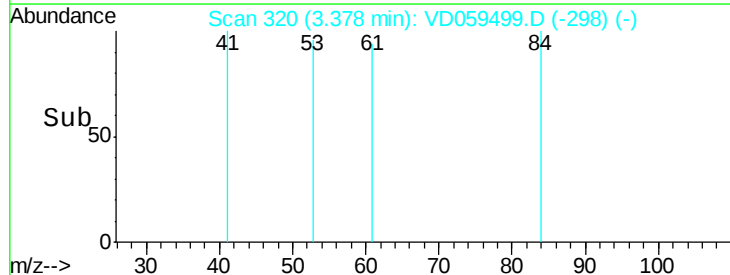
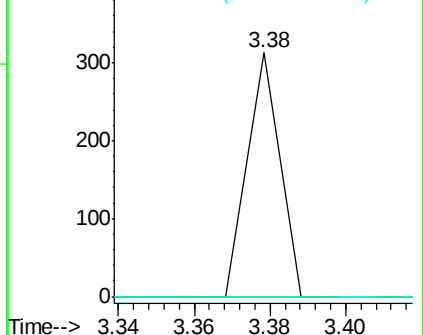


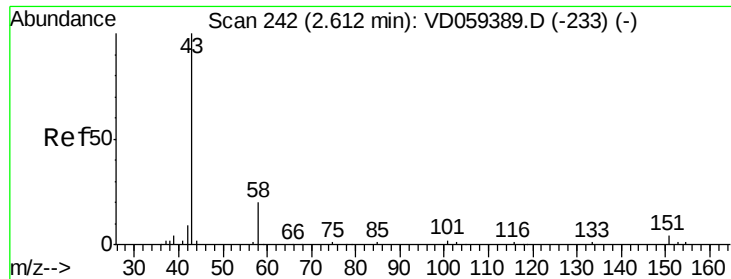
#15
Acrylonitrile
Concen: 4.032 ug/l
RT: 3.38 min Scan# 320
Delta R.T. 0.02 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tgt Ion: 53 Resp: 185
Ion Ratio Lower Upper
53 100
52 0.0 67.9 101.9#
51 0.0 32.2 48.4#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 532.933 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.02 min

Lab File: VD059499.D

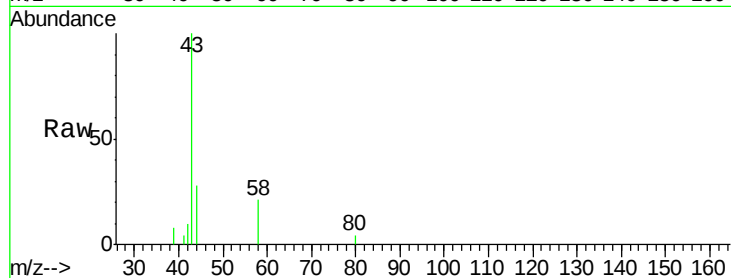
Acq: 29 Jun 2018 18:43

Tot Ion: 43 Resp: 29066

Ion Ratio Lower Upper

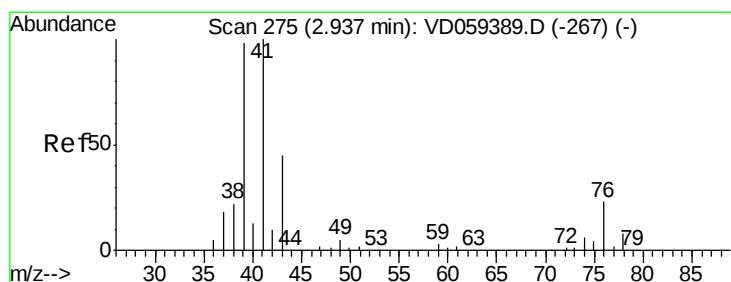
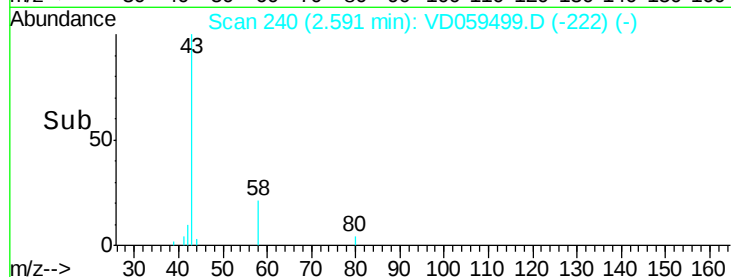
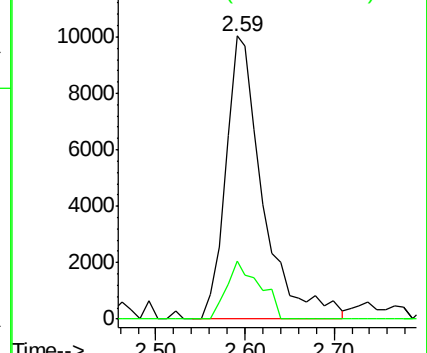
43 100

58 20.5 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: 1.925 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059499.D

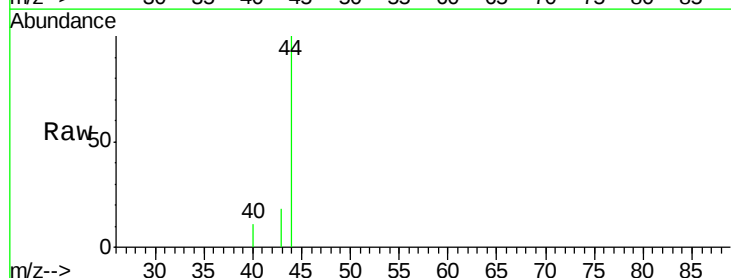
Acq: 29 Jun 2018 18:43

Tgt Ion: 43 Resp: 762

Ion Ratio Lower Upper

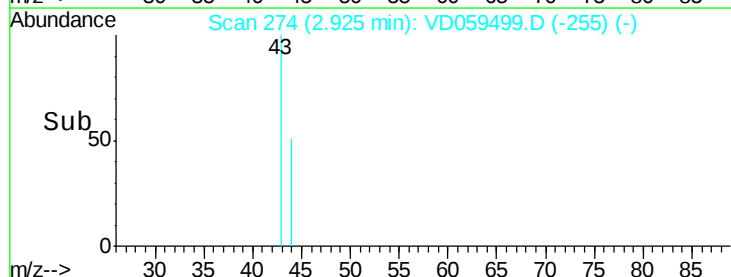
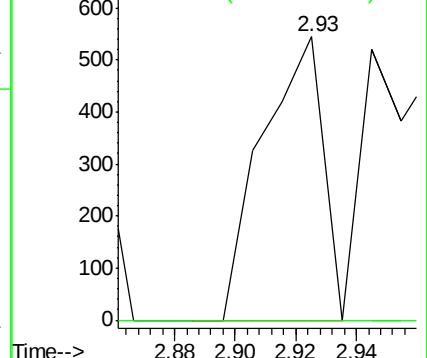
43 100

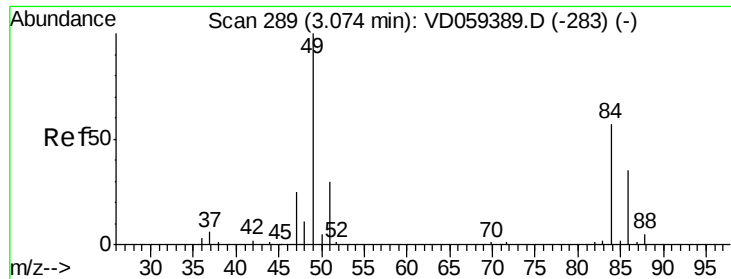
74 0.0 11.0 16.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

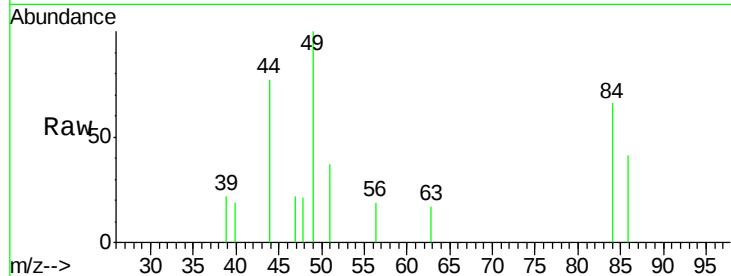
Ion 74.00 (73.70 to 74.70): VDC



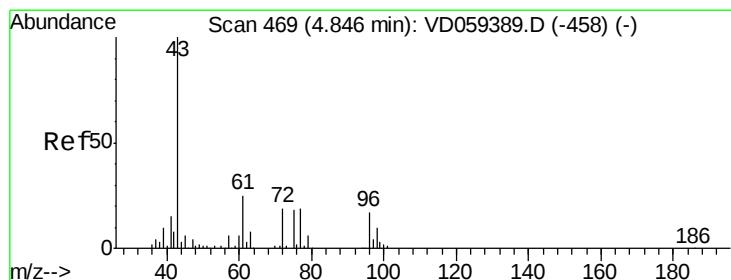
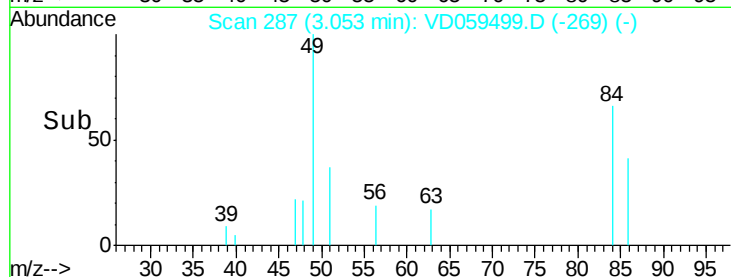
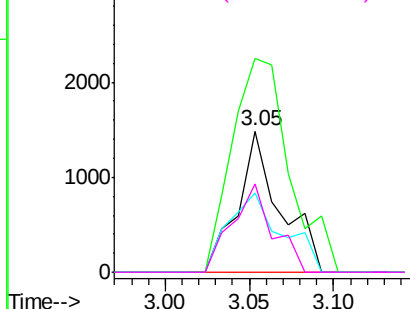


#20
Methvlene Chloride
Concen: 15.404 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tot Ion:	84	Resp:	2591
Ion	Ratio	Lower	Upper
84	100		
49	151.2	140.3	210.5
51	56.6	41.6	62.4
86	62.4	49.4	74.2

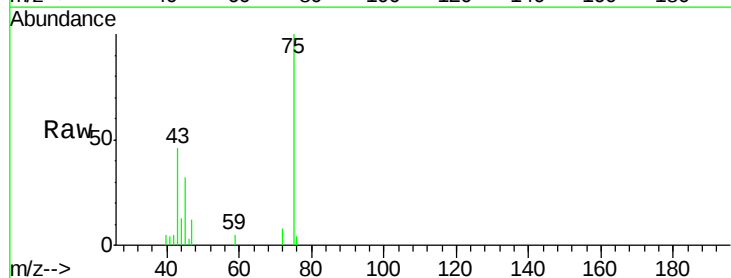


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

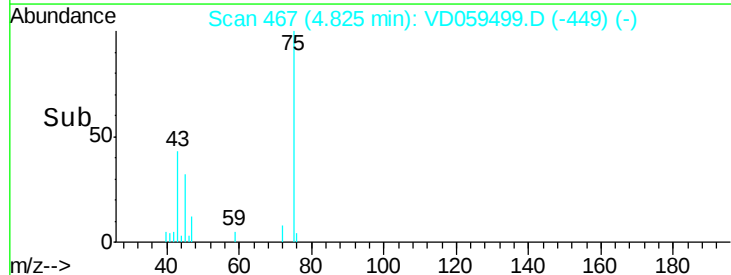
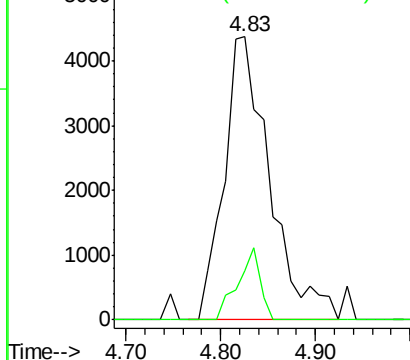


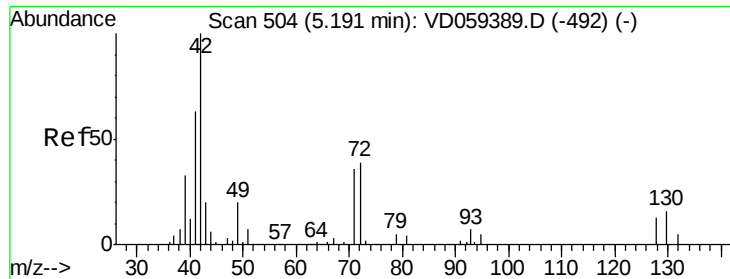
#25
2-Butanone
Concen: 127.781 ug/l
RT: 4.83 min Scan# 467
Delta R.T. -0.02 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tgt Ion:	43	Resp:	14599
Ion	Ratio	Lower	Upper
43	100		
72	17.5	15.4	23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 3.248 ug/l

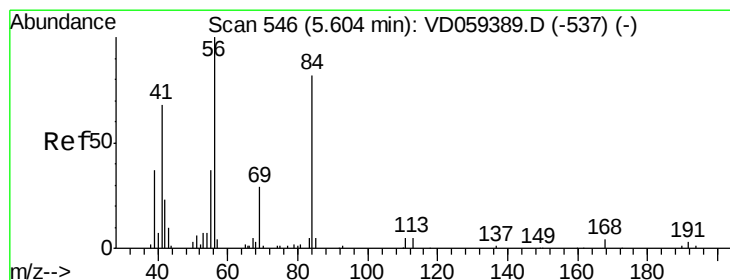
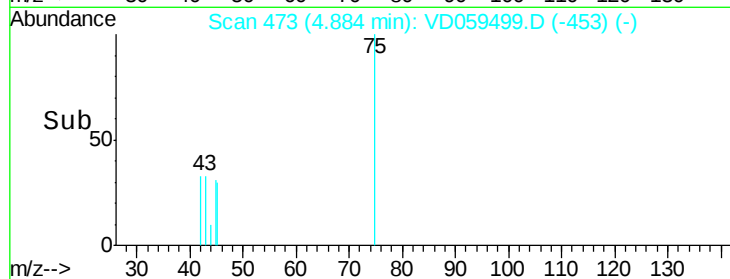
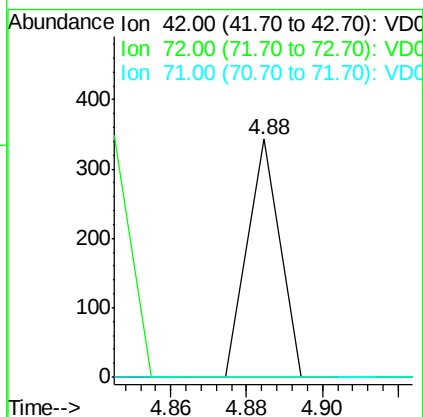
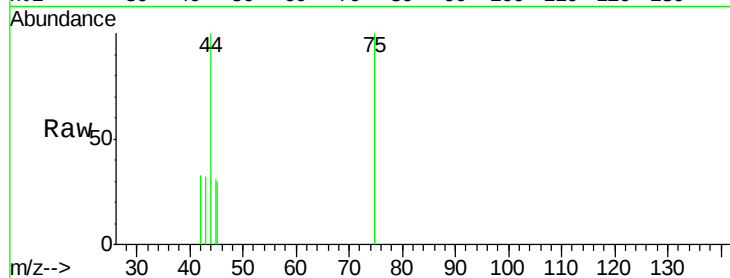
RT: 4.88 min Scan# 473

Delta R.T. -0.31 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

Tot Ion:	42	Resp:	203
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#



#31

Cyclohexane

Concen: Below Cal

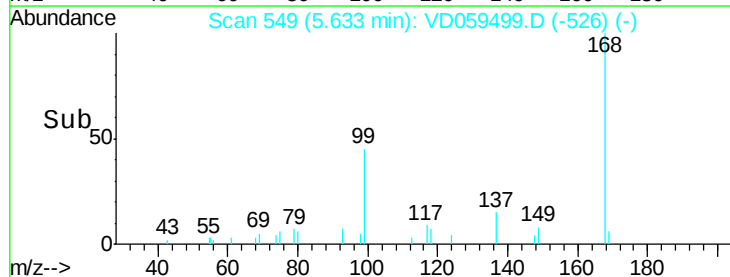
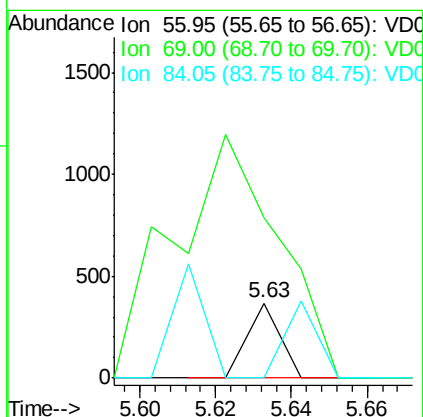
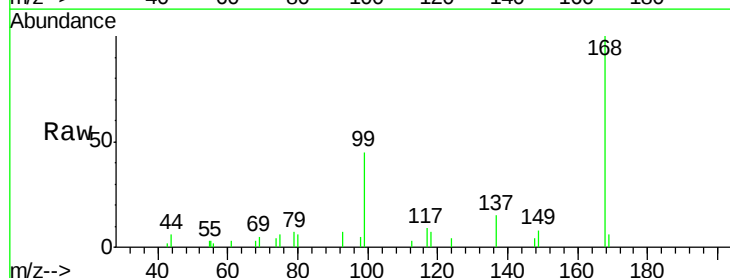
RT: 5.63 min Scan# 549

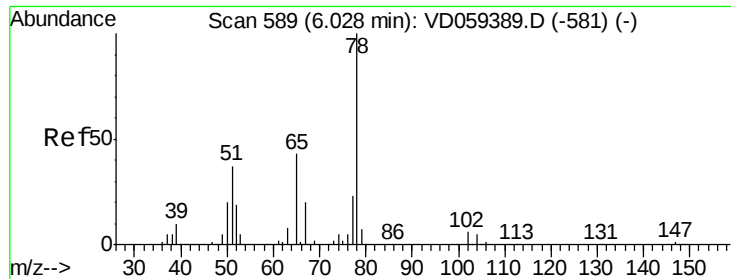
Delta R.T. 0.03 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

Tgt Ion:	56	Resp:	218
Ion	Ratio	Lower	Upper
56	100		
69	212.7	22.9	34.3#
84	0.0	67.3	100.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059499.D

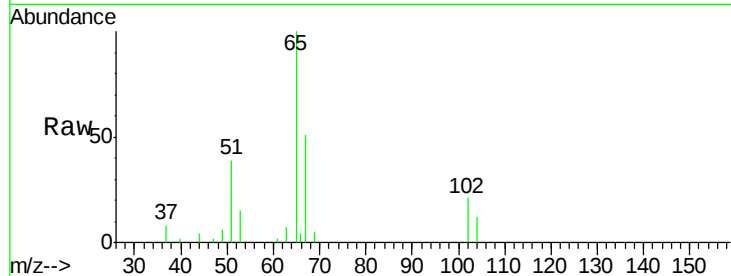
Acq: 29 Jun 2018 18:43

Tot Ion: 65 Resp: 45322

Ion Ratio Lower Upper

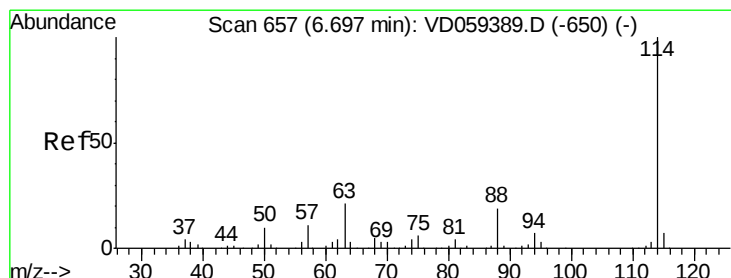
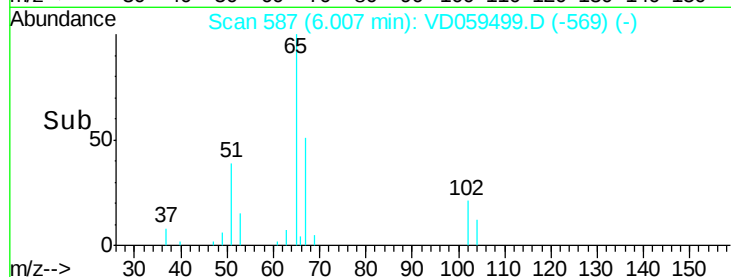
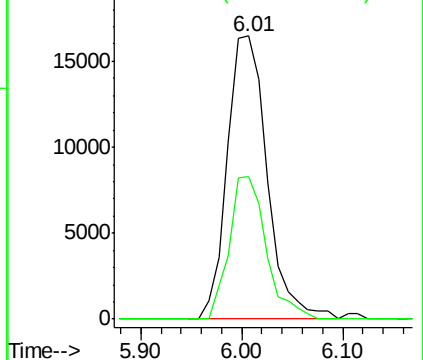
65 100

67 50.5 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: VD059499.D

Acq: 29 Jun 2018 18:43

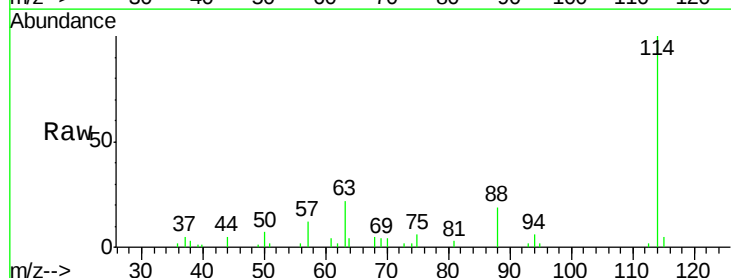
Tgt Ion: 114 Resp: 59070

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.4

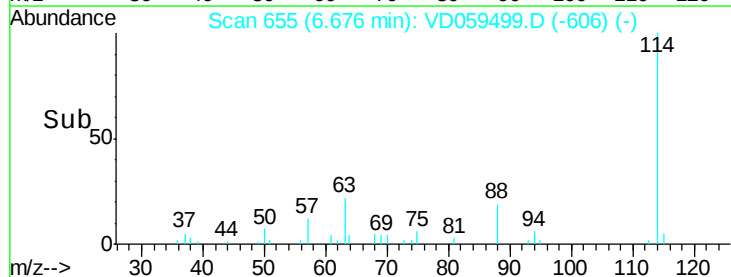
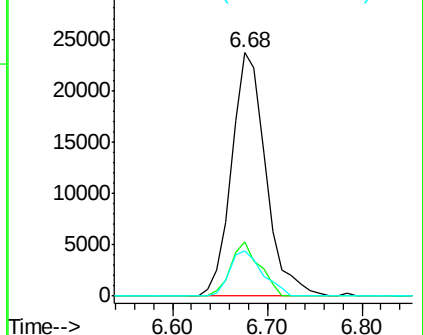
88 18.6 0.0 38.0

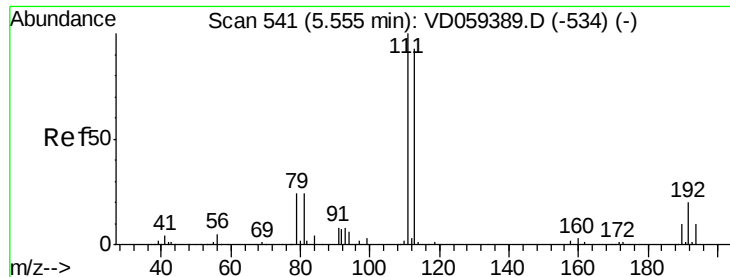


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.02 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

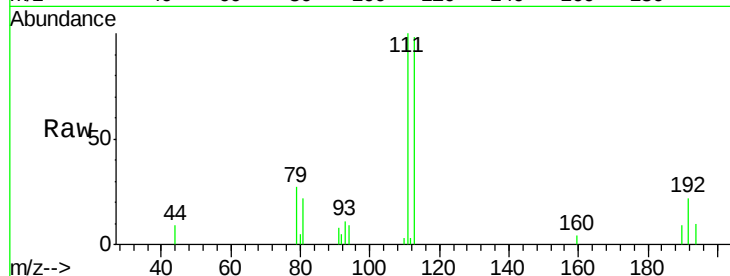
Tot Ion:113 Resp: 36696

Ion Ratio Lower Upper

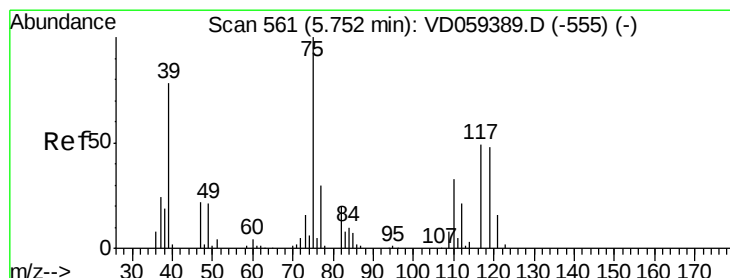
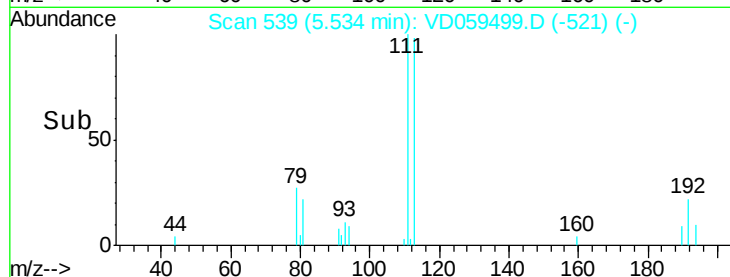
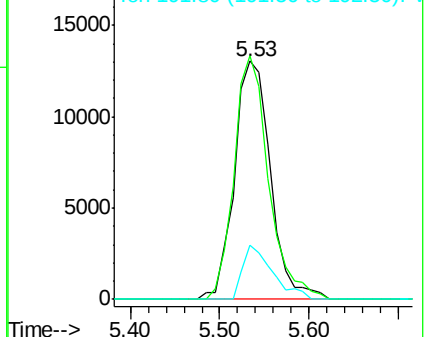
113 100

111 102.2 85.7 128.5

192 22.9 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: 6.205 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.14 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

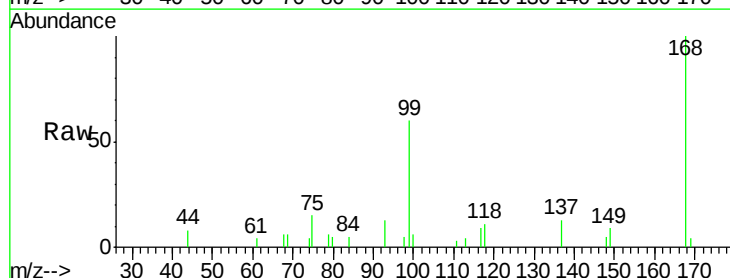
Tgt Ion: 75 Resp: 3325

Ion Ratio Lower Upper

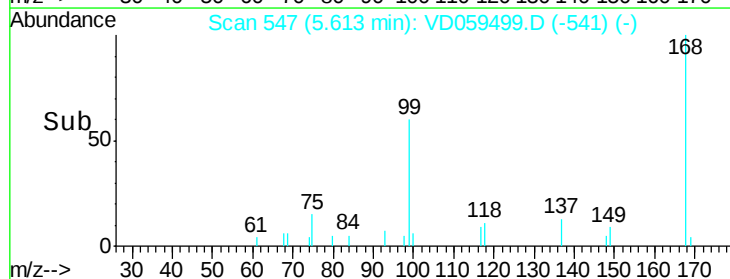
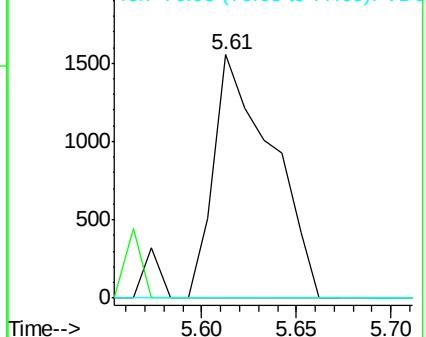
75 100

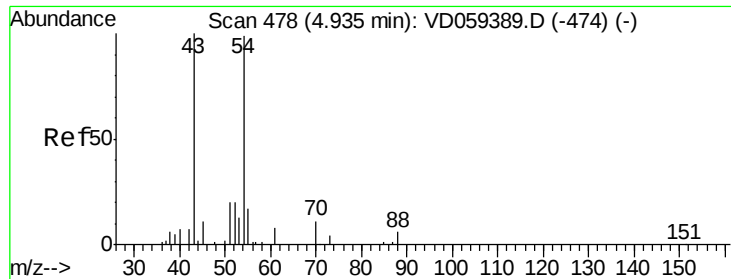
110 0.0 16.1 48.2#

77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 44.737 ug/l

RT: 4.83 min Scan# 467

Delta R.T. -0.11 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

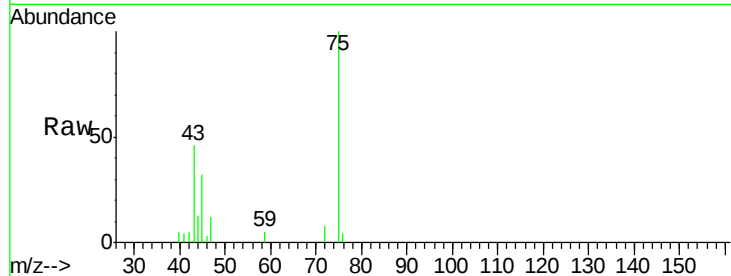
Tot Ion: 43 Resp: 14599

Ion Ratio Lower Upper

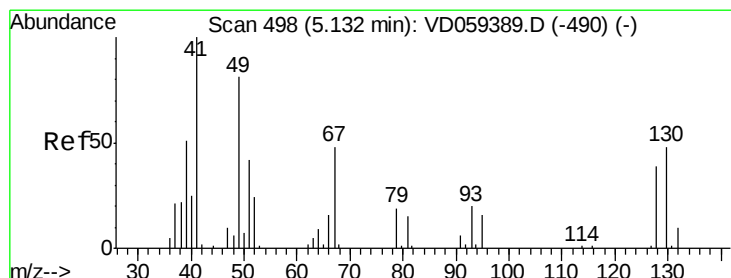
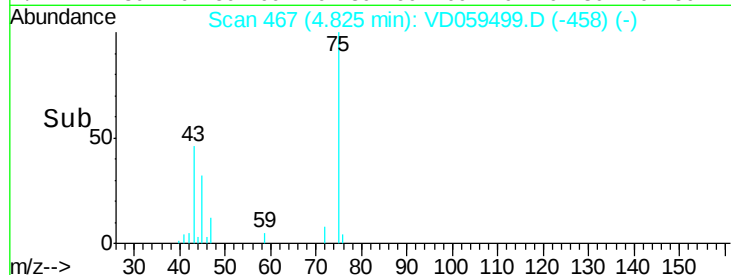
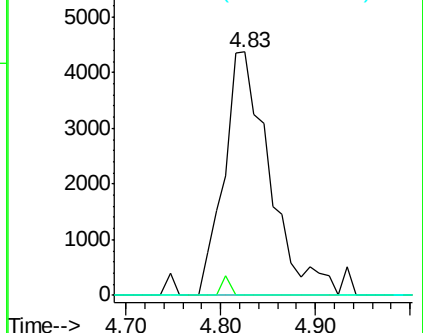
43 100

61 0.0 11.8 17.8#

70 0.0 6.1 9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#41

Methacrylonitrile

Concen: 1.177 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

Tgt Ion: 41 Resp: 185

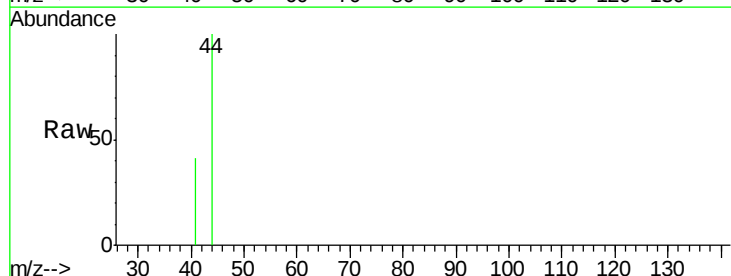
Ion Ratio Lower Upper

41 100

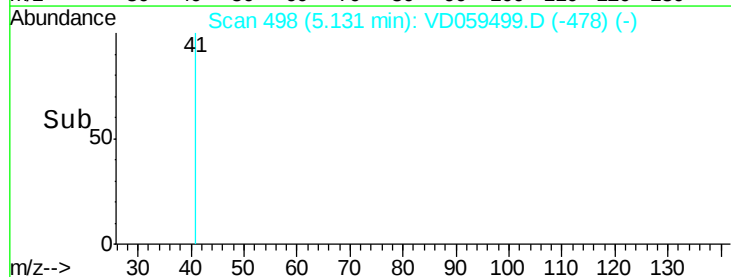
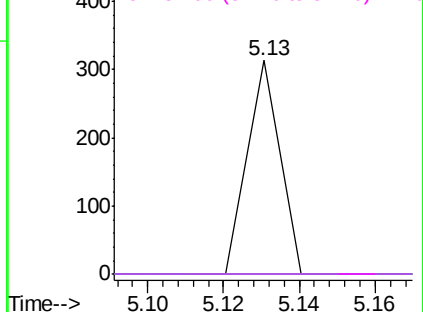
39 0.0 41.5 62.3#

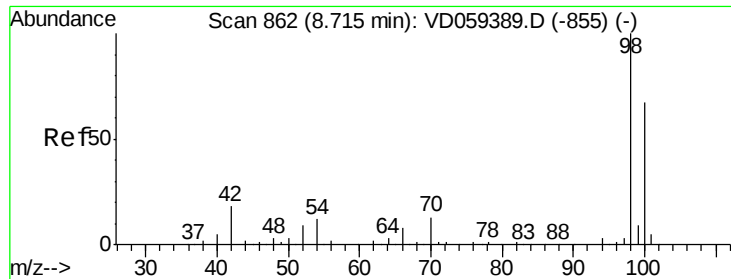
67 0.0 38.7 58.1#

52 0.0 19.4 29.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059499.D

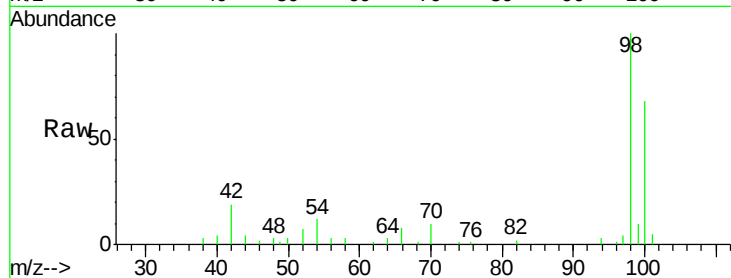
Acq: 29 Jun 2018 18:43

Tot Ion: 98 Resp: 61946

Ion Ratio Lower Upper

98 100

100 68.2 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.69

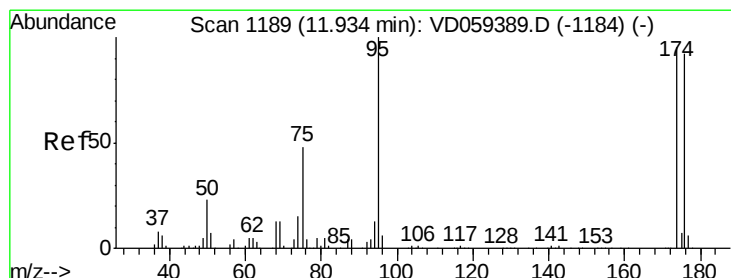
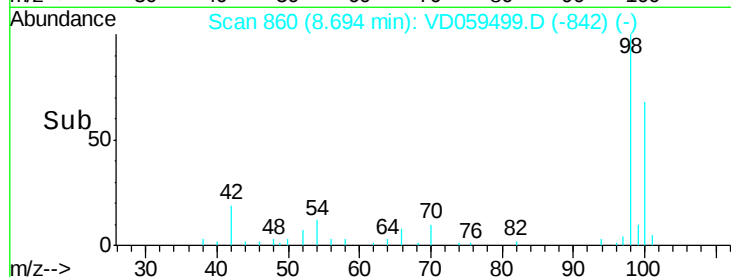
30000

20000

10000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

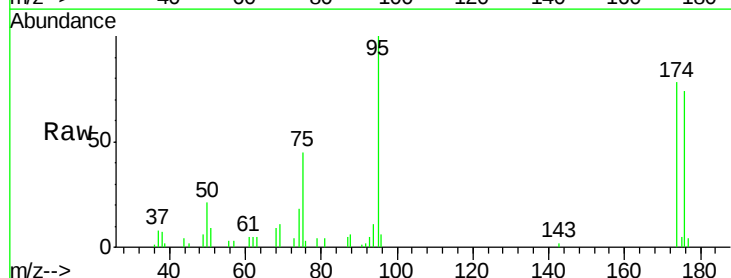
Tgt Ion: 95 Resp: 33118

Ion Ratio Lower Upper

95 100

174 77.7 0.0 190.4

176 73.9 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

11.92

30000

25000

20000

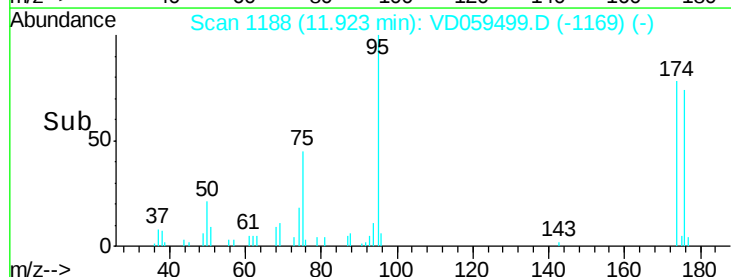
15000

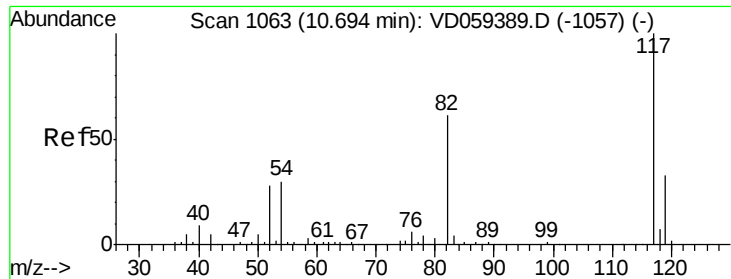
10000

5000

0

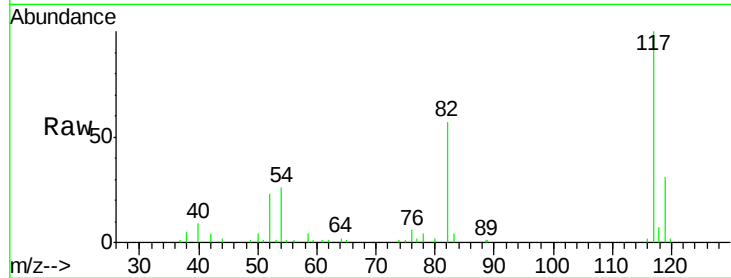
Time--> 11.85 11.90 11.95 12.00



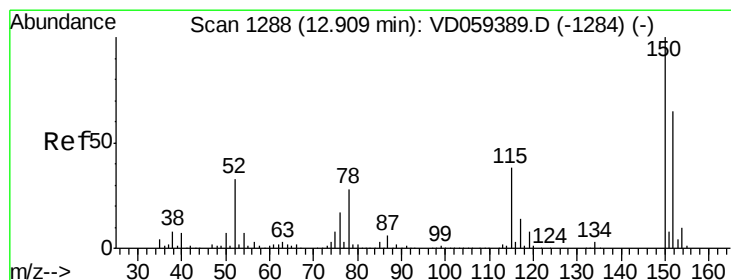
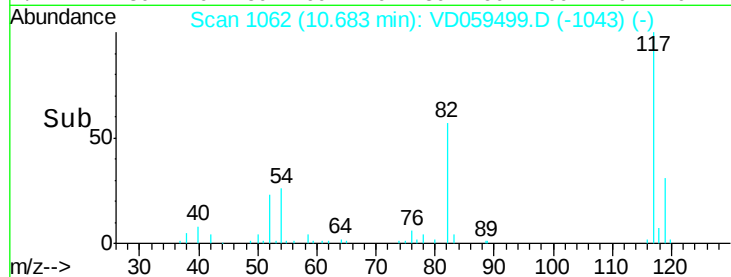
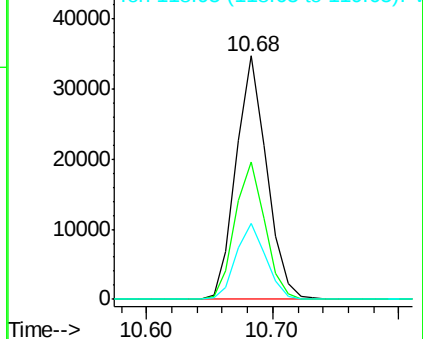


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tot Ion:117 Resp: 58353
Ion Ratio Lower Upper
117 100
82 56.6 49.0 73.6
119 31.4 26.2 39.4

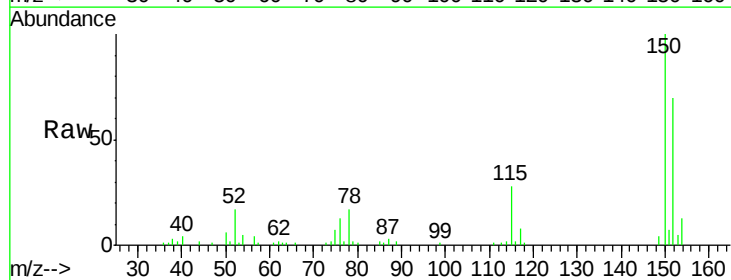


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

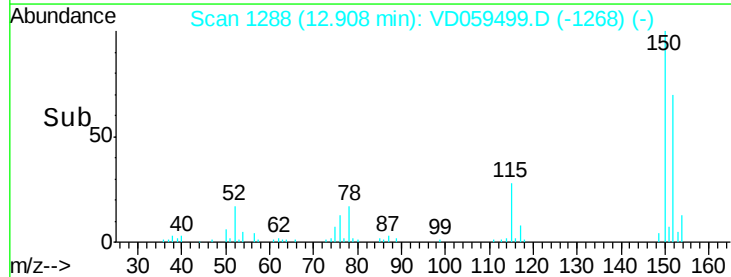
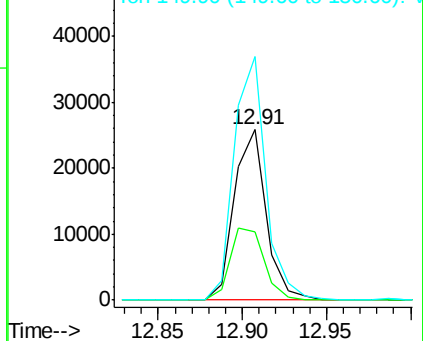


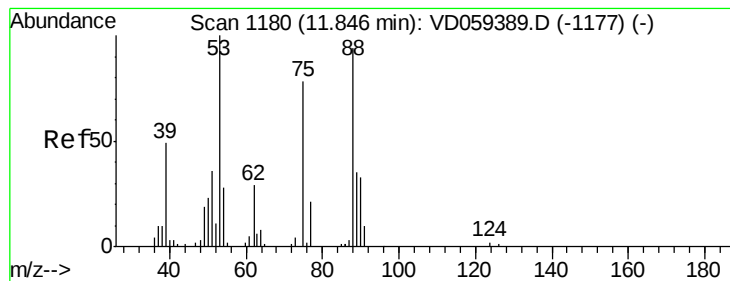
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059499.D
Acq: 29 Jun 2018 18:43

Tgt Ion:152 Resp: 33966
Ion Ratio Lower Upper
152 100
115 40.4 29.4 88.3
150 143.0 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: 141.134 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.08 min

Lab File: VD059499.D

Acq: 29 Jun 2018 18:43

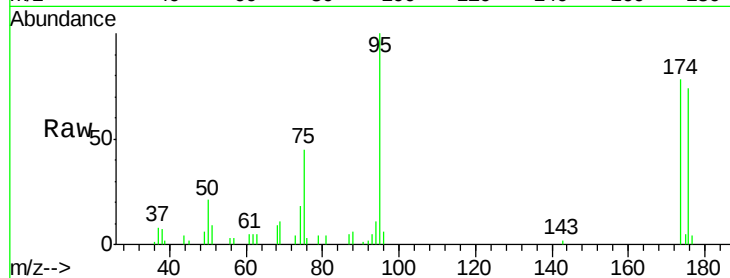
Tot Ion: 75 Resp: 15029

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

