

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059489.D
 Acq On : 29 Jun 2018 13:59
 Operator : VA/AP
 Sample : J3699-04RE
 Misc : 11.29g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

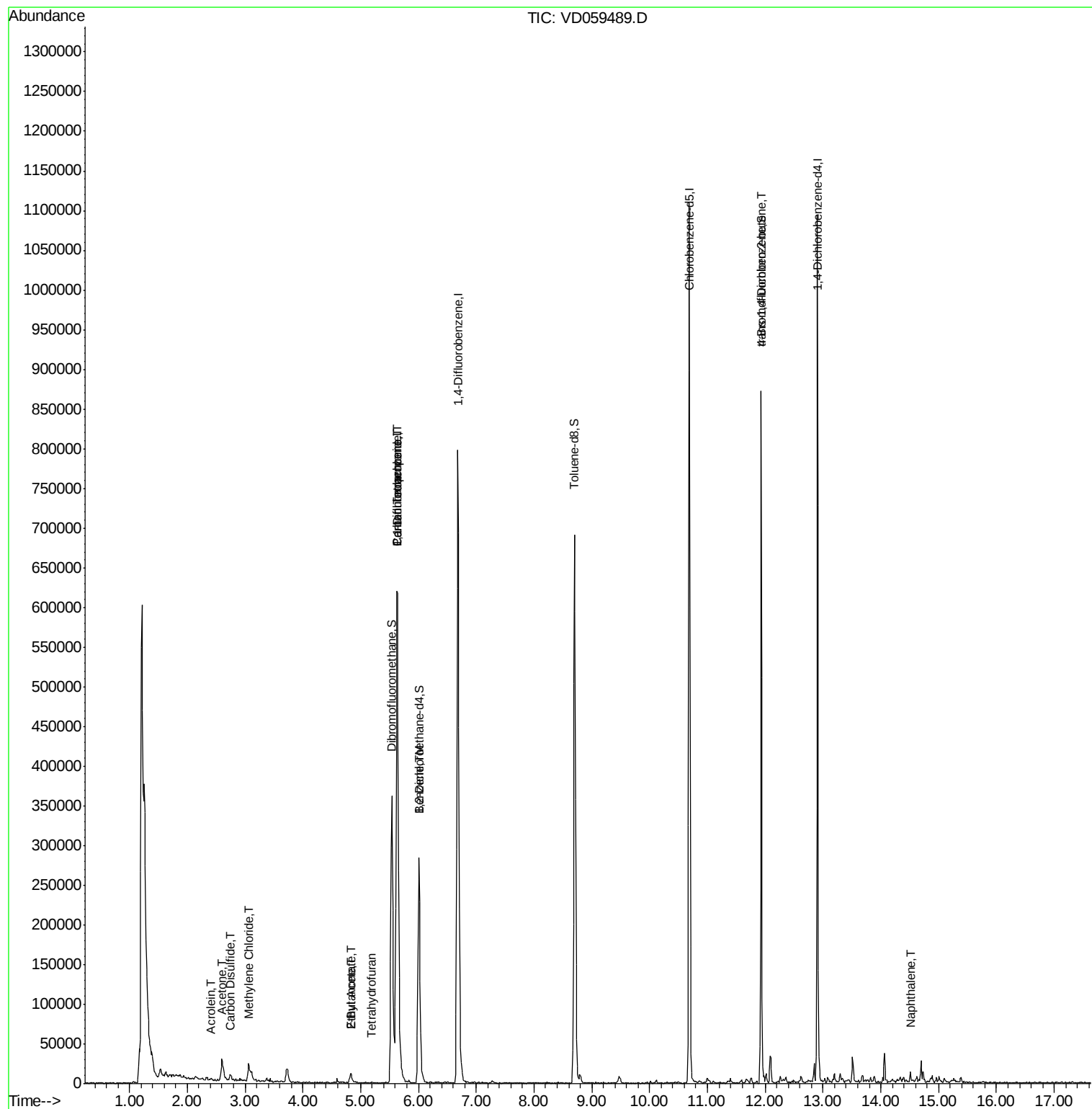
Quant Time: Jun 30 00:25:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

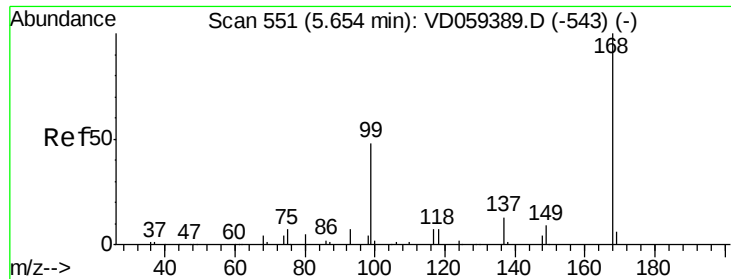
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	661813	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.68	114	827223	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	588690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	230060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	252260	37.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	74.54%	
35) Dibromofluoromethane	5.54	113	283908	42.14	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.28%	
50) Toluene-d8	8.70	98	548519	34.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.64%	
62) 4-Bromofluorobenzene	11.93	95	185544	28.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	56.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.82	94	939	Below Cal	#	4
13) Acrolein	2.41	56	228	1.089	ug/l #	16
16) Acetone	2.59	43	57868	67.747	ug/l #	86
17) Carbon Disulfide	2.75	76	12003	1.797	ug/l	99
18) Methyl Acetate	2.90	43	1436	Below Cal	#	66
20) Methylene Chloride	3.06	84	9220	1.471	ug/l	95
25) 2-Butanone	4.83	43	19682	11.000	ug/l	99
29) Tetrahydrofuran	5.19	42	1407	1.438	ug/l #	37
31) Cyclohexane	5.63	56	15729	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	53086	7.074	ug/l #	51
37) Ethyl Acetate	4.83	43	19682	4.307	ug/l #	69
38) Carbon Tetrachloride	5.64	117	50694	6.552	ug/l #	15
40) Benzene	6.01	78	41788	2.321	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.93	75	90900	126.028	ug/l #	1
95) Naphthalene	14.52	128	7510	1.023	ug/l #	91

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

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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. -0.03 min

Lab File: VD059489.D

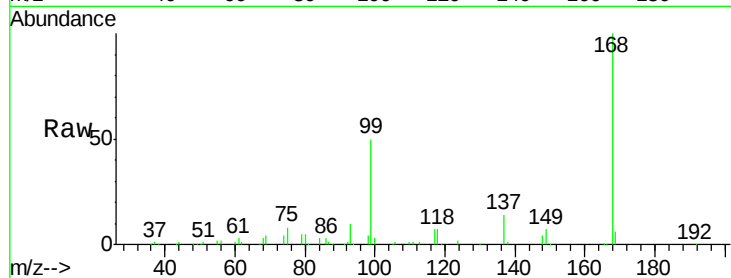
Acq: 29 Jun 2018 13:59

Tot Ion:168 Resp: 661813

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

5.63

250000

200000

150000

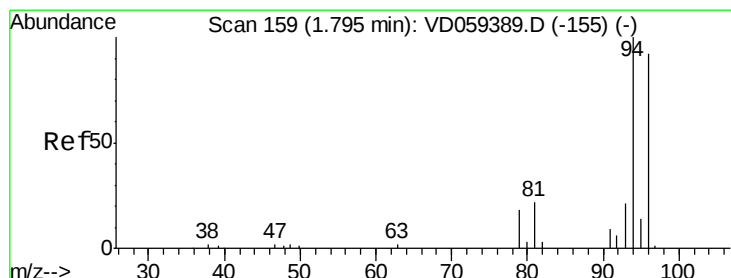
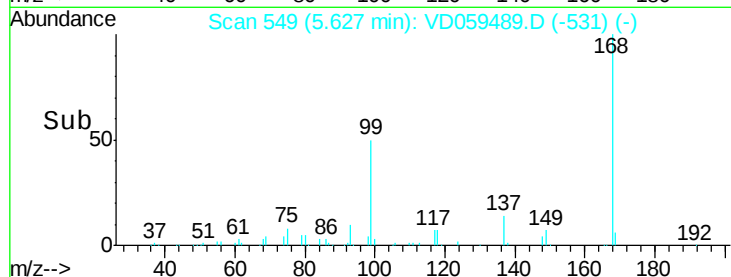
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.82 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD059489.D

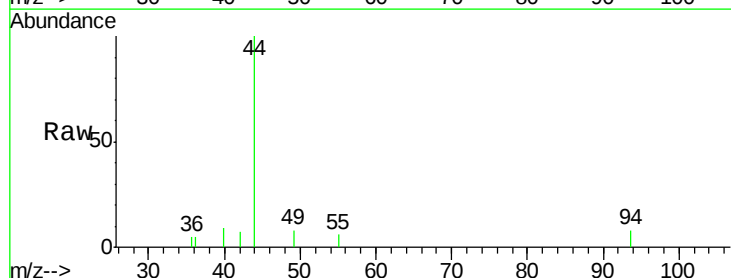
Acq: 29 Jun 2018 13:59

Tgt Ion: 94 Resp: 939

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

1.82

600

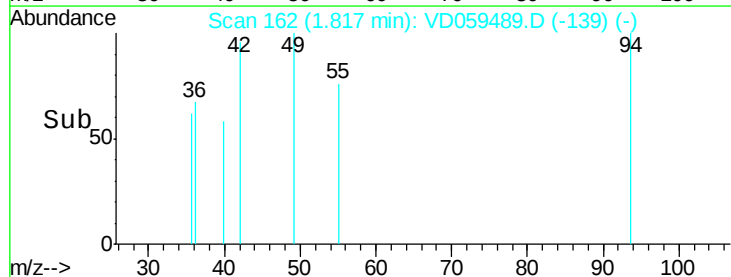
400

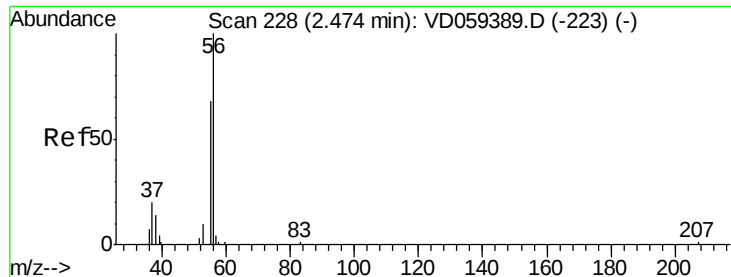
200

0

Time-->

1.75 1.80 1.85





#13

Acrolein

Concen: 1.089 ug/l

RT: 2.41 min Scan# 222

Delta R.T. -0.07 min

Lab File: VD059489.D

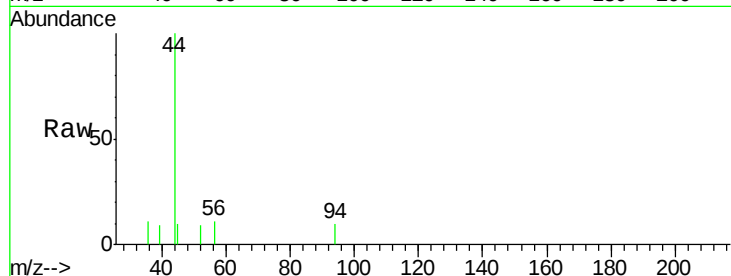
Acq: 29 Jun 2018 13:59

Tot Ion: 56 Resp: 228

Ion Ratio Lower Upper

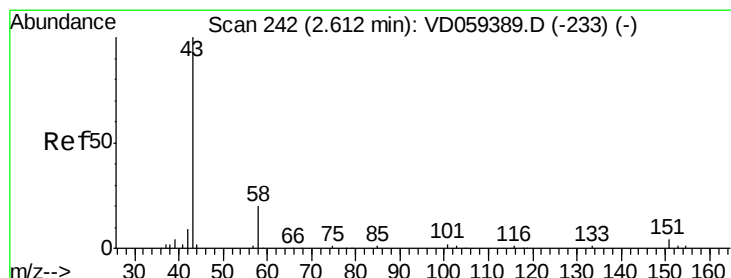
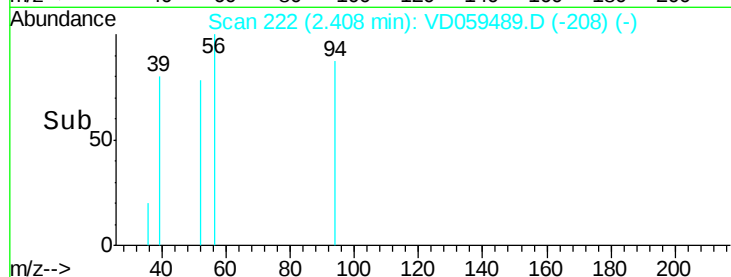
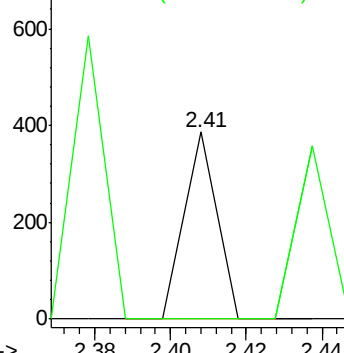
56 100

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



#16

Acetone

Concen: 67.747 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059489.D

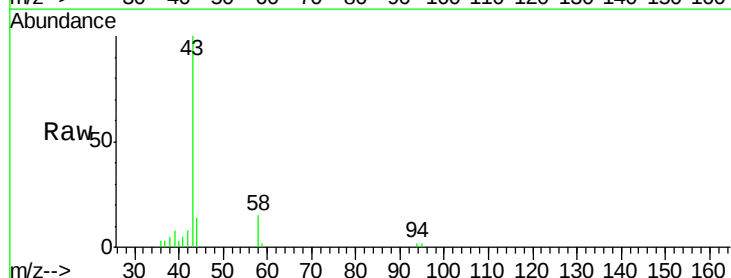
Acq: 29 Jun 2018 13:59

Tgt Ion: 43 Resp: 57868

Ion Ratio Lower Upper

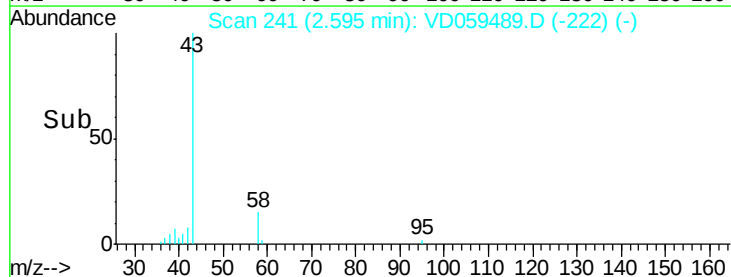
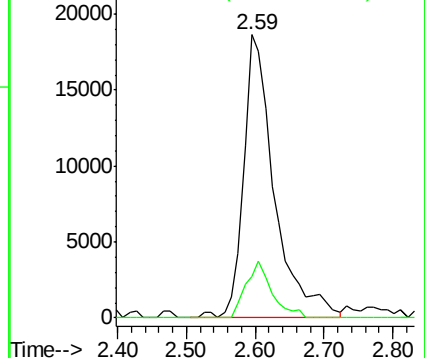
43 100

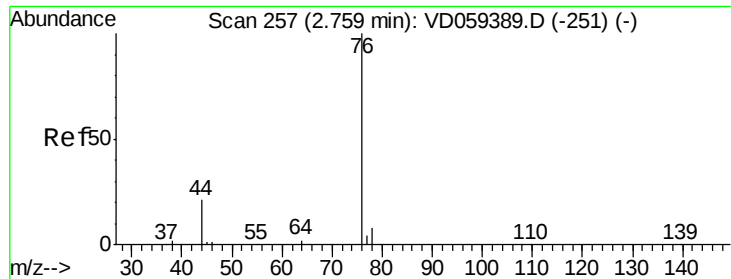
58 14.7 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

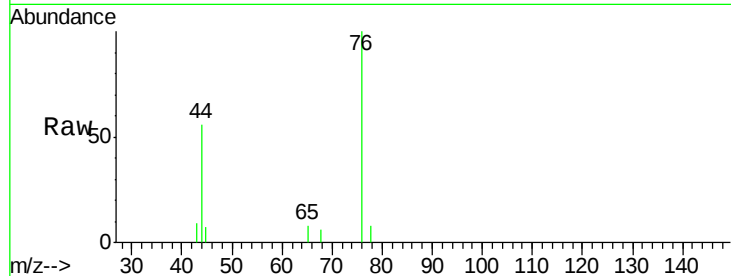
Ion 57.95 (57.65 to 58.65): VDC



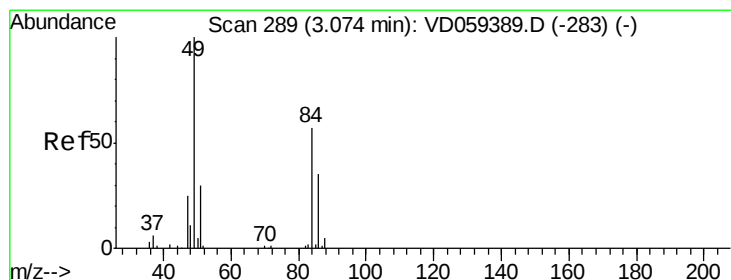
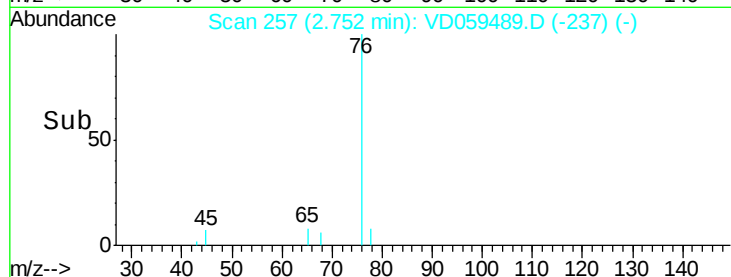
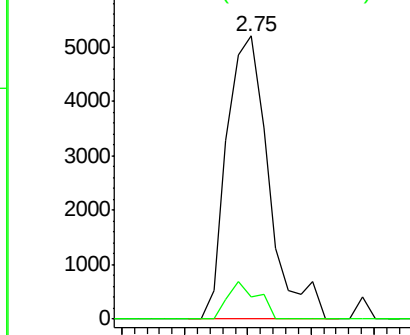


#17
Carbon Disulfide
Concen: 1.797 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tot Ion: 76 Resp: 12003
Ion Ratio Lower Upper
76 100
78 7.7 6.6 9.8

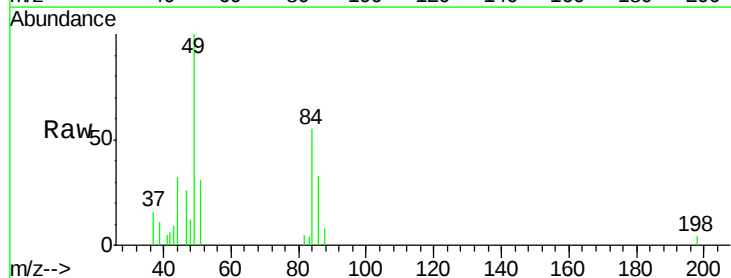


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

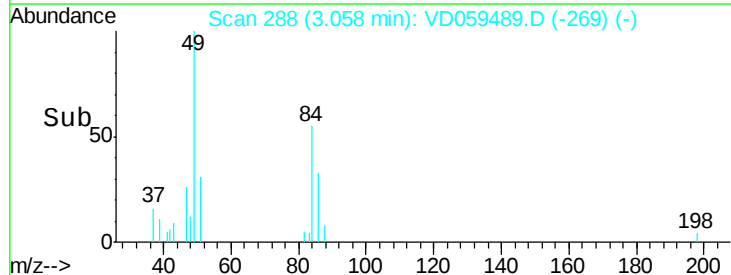
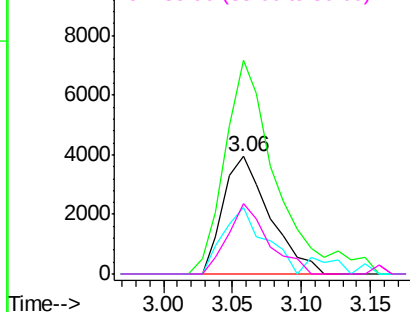


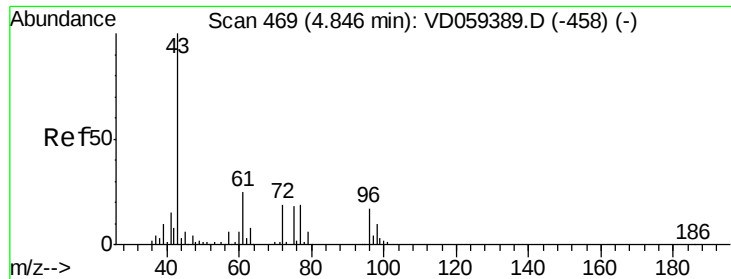
#20
Methylene Chloride
Concen: 1.471 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tgt Ion: 84 Resp: 9220
Ion Ratio Lower Upper
84 100
49 182.2 140.3 210.5
51 56.7 41.6 62.4
86 60.0 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: 11.000 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059489.D

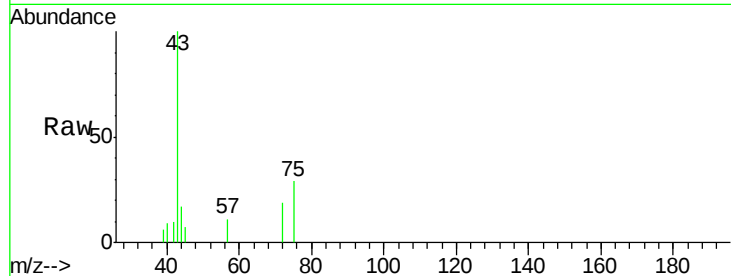
Acq: 29 Jun 2018 13:59

Tot Ion: 43 Resp: 19682

Ion Ratio Lower Upper

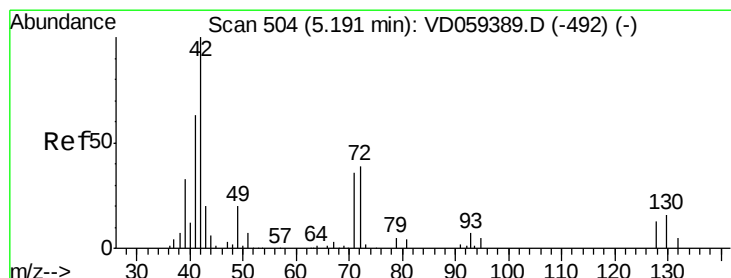
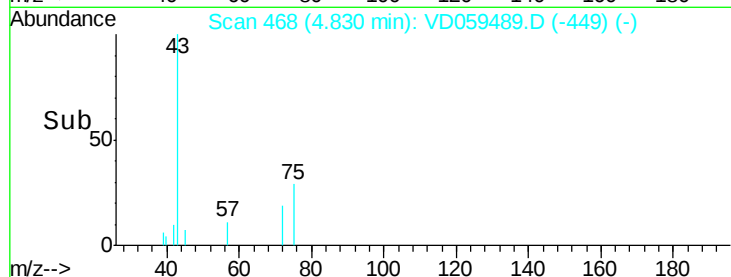
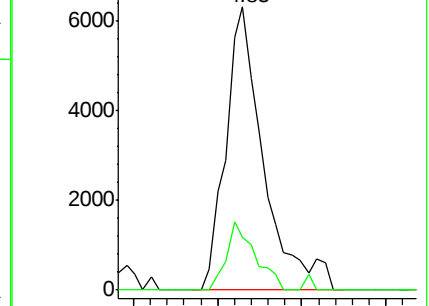
43 100

72 18.6 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: 1.438 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD059489.D

Acq: 29 Jun 2018 13:59

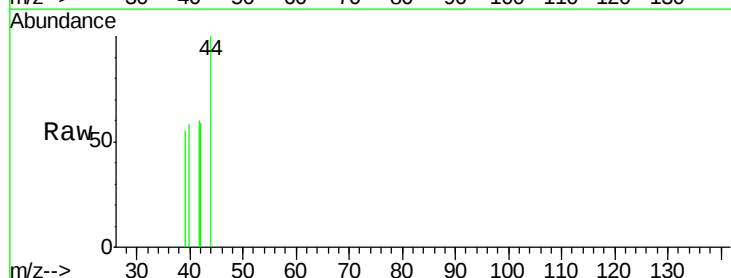
Tgt Ion: 42 Resp: 1407

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

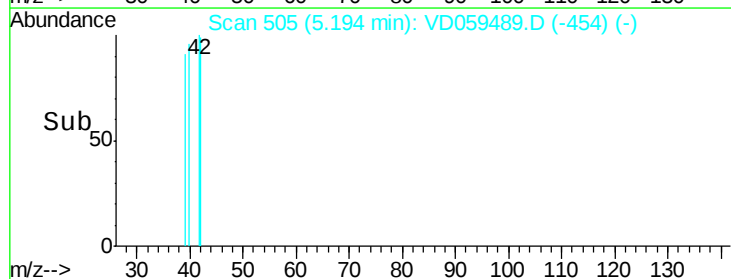
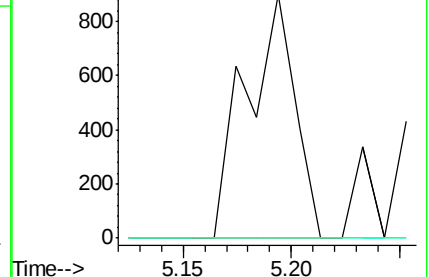
71 0.0 29.7 44.5#

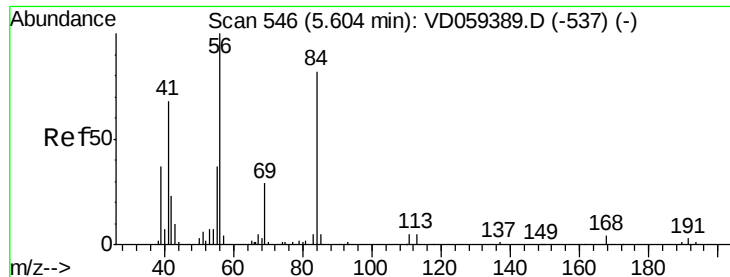


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059489.D

Acq: 29 Jun 2018 13:59

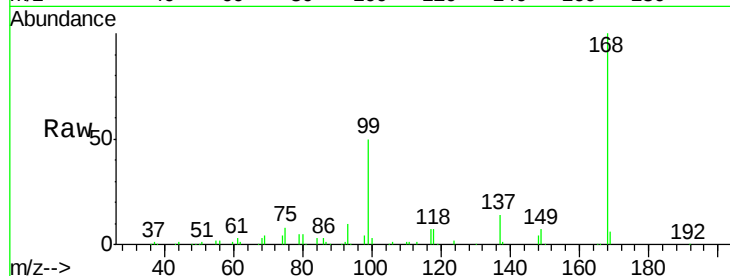
Tot Ion: 56 Resp: 15729

Ion Ratio Lower Upper

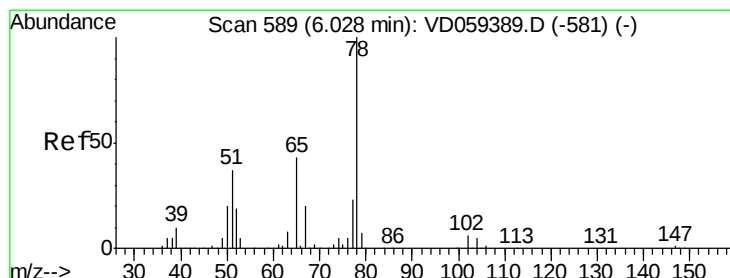
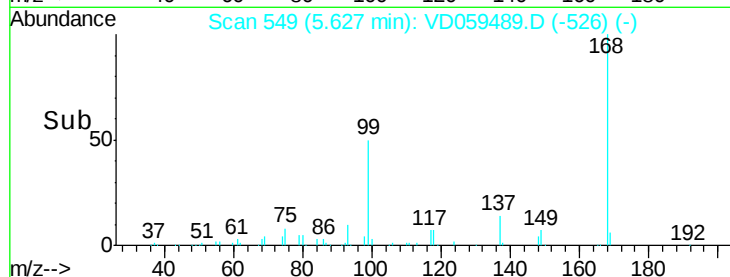
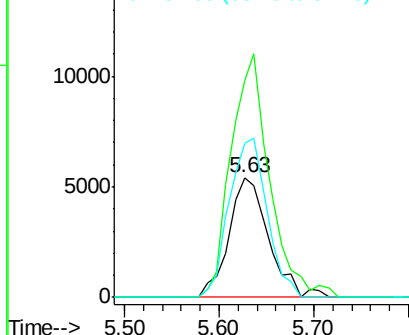
56 100

69 180.9 22.9 34.3#

84 128.3 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: VD059489.D

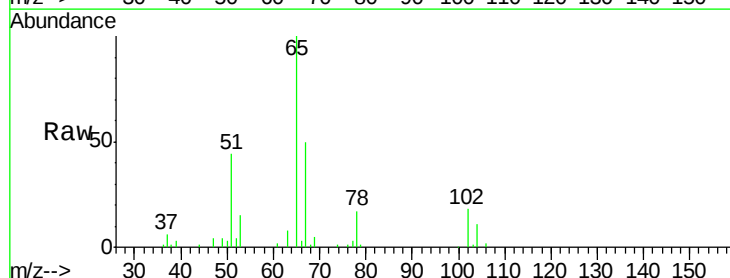
Acq: 29 Jun 2018 13:59

Tgt Ion: 65 Resp: 252260

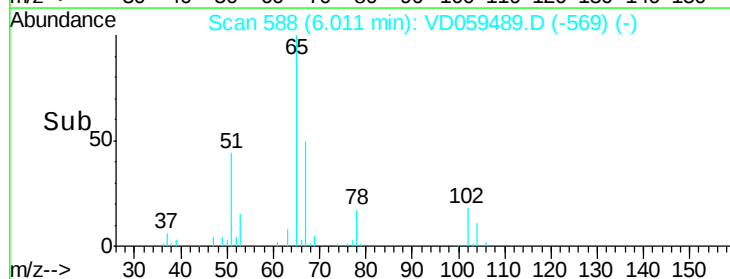
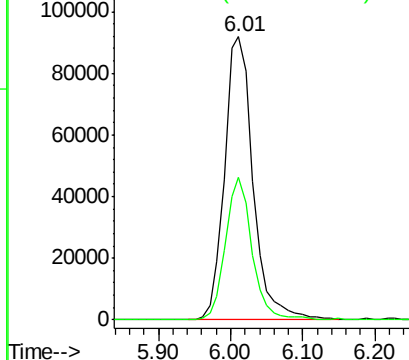
Ion Ratio Lower Upper

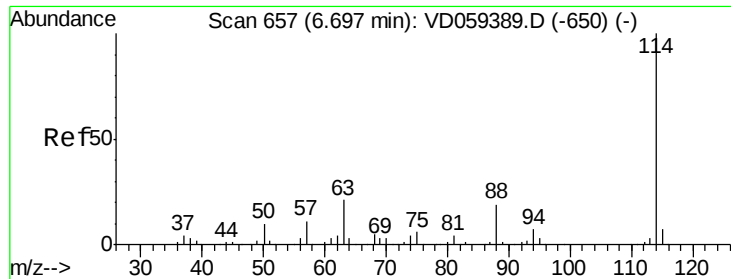
65 100

67 50.4 0.0 93.8



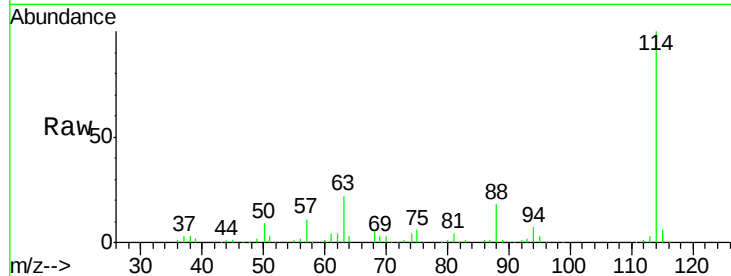
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



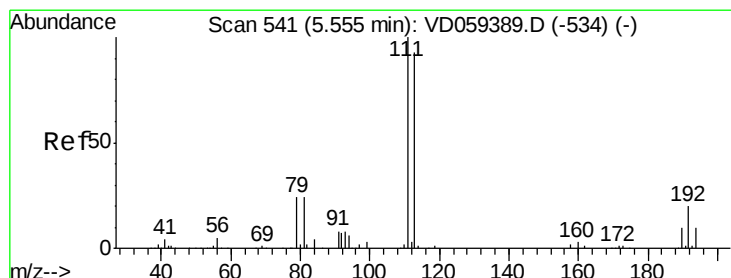
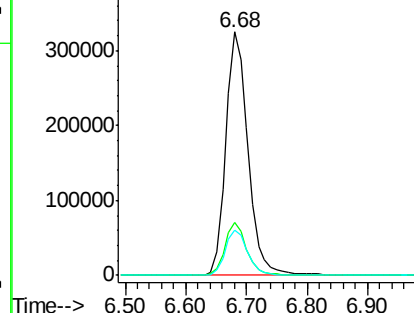
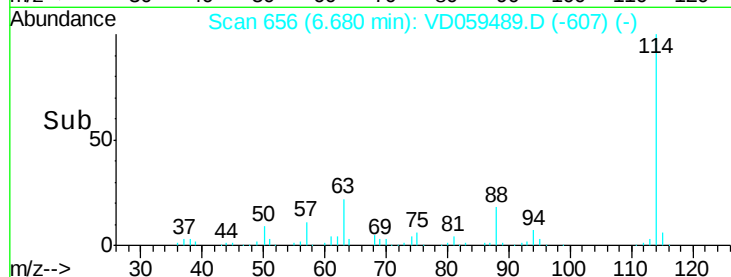


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.02 min
 Lab File: VD059489.D
 Acq: 29 Jun 2018 13:59

Tot Ion:114 Resp: 827223
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.4
 88 18.4 0.0 38.0

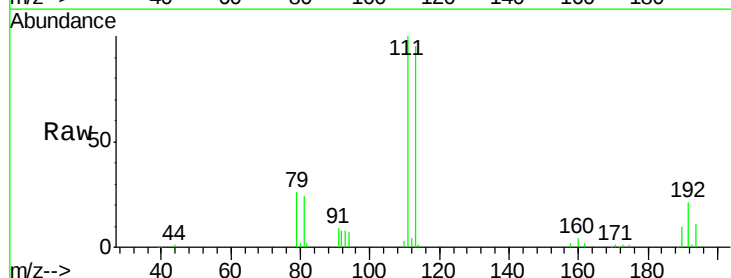


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

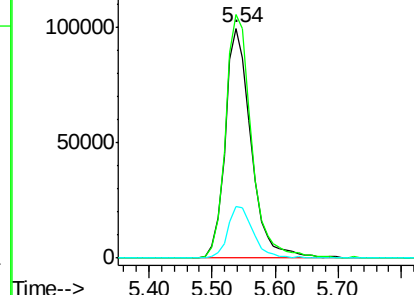
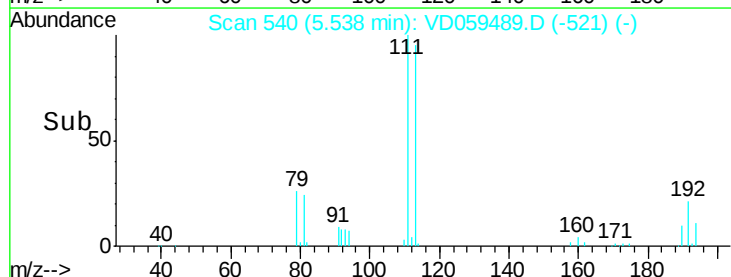


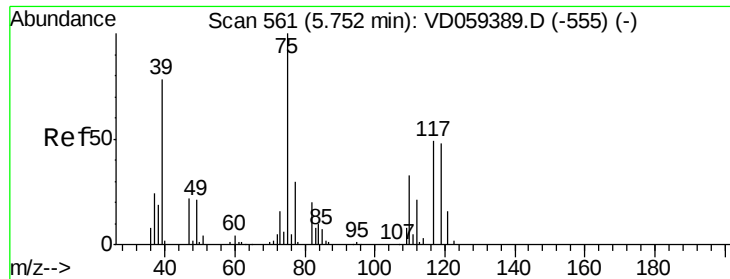
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: VD059489.D
 Acq: 29 Jun 2018 13:59

Tgt Ion:113 Resp: 283908
 Ion Ratio Lower Upper
 113 100
 111 105.8 85.7 128.5
 192 22.7 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: 7.074 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD059489.D

Acq: 29 Jun 2018 13:59

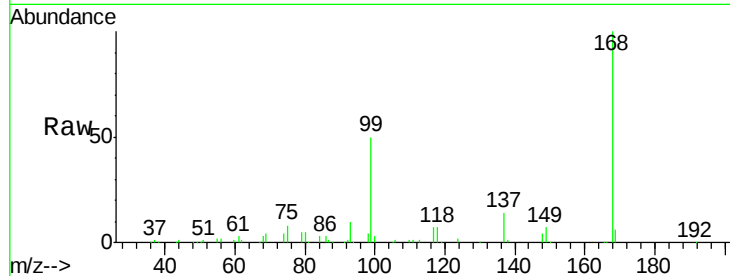
Tot Ion: 75 Resp: 53086

Ion Ratio Lower Upper

75 100

110 7.4 16.1 48.2#

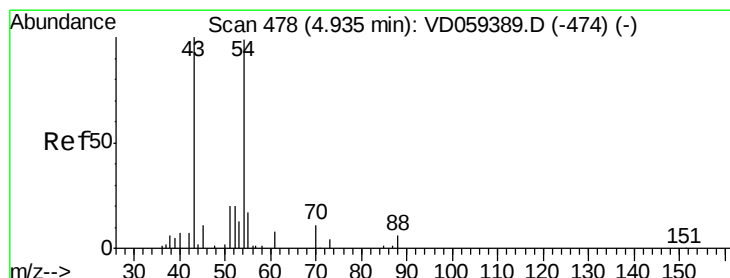
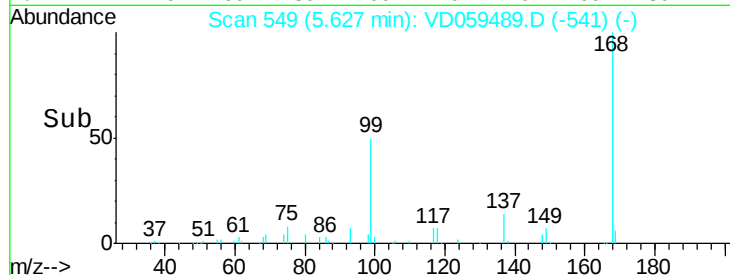
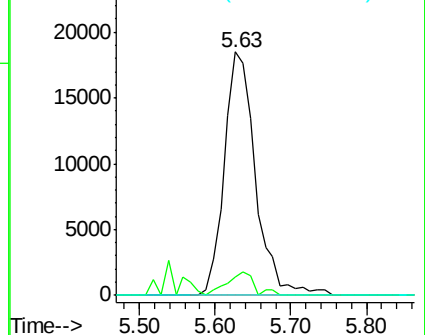
77 0.0 23.4 35.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 4.307 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.11 min

Lab File: VD059489.D

Acq: 29 Jun 2018 13:59

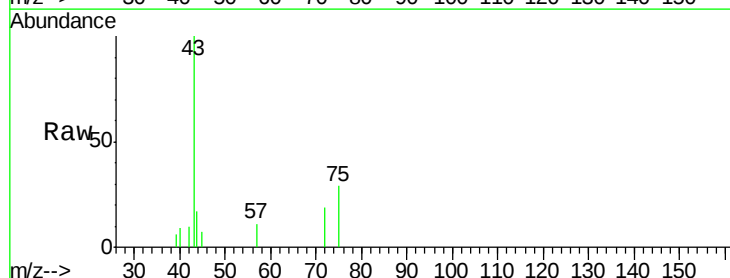
Tgt Ion: 43 Resp: 19682

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

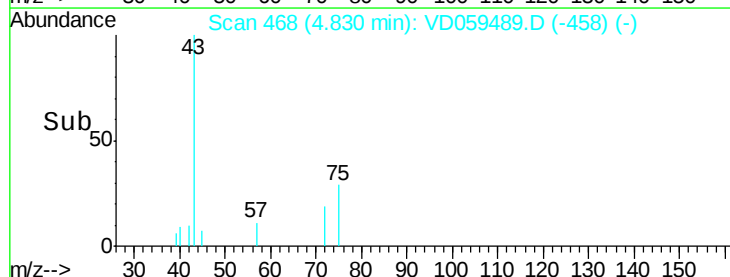
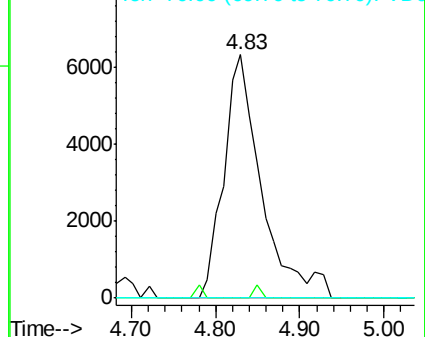
70 0.0 6.1 9.1#

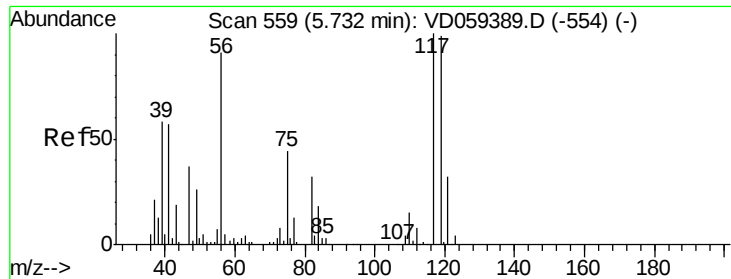


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 6.552 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD059489.D

Acq: 29 Jun 2018 13:59

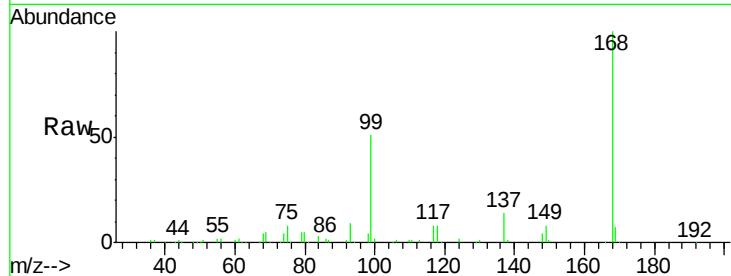
Tot Ion:117 Resp: 50694

Ion Ratio Lower Upper

117 100

119 3.6 76.6 115.0#

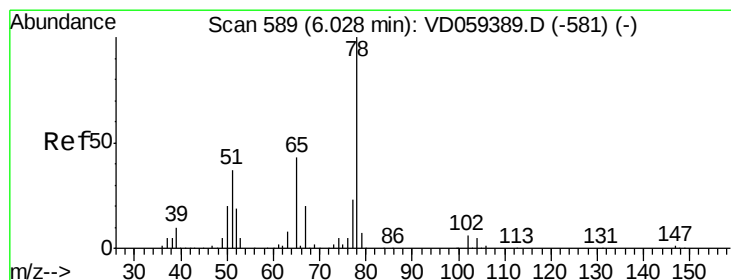
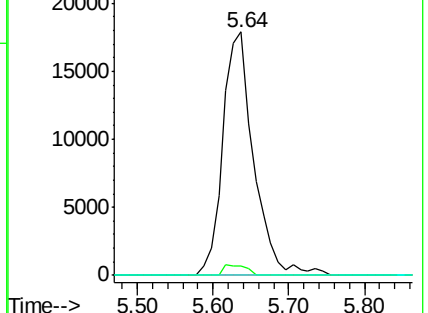
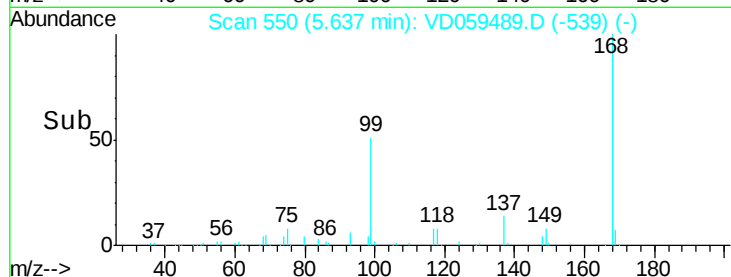
121 0.0 25.0 37.4#



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



#40

Benzene

Concen: 2.321 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.02 min

Lab File: VD059489.D

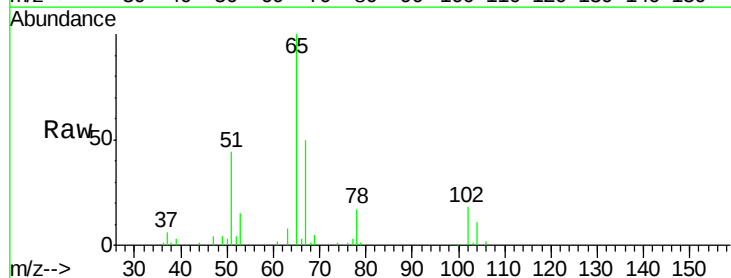
Acq: 29 Jun 2018 13:59

Tgt Ion: 78 Resp: 41788

Ion Ratio Lower Upper

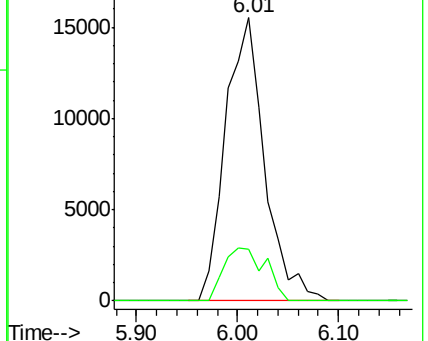
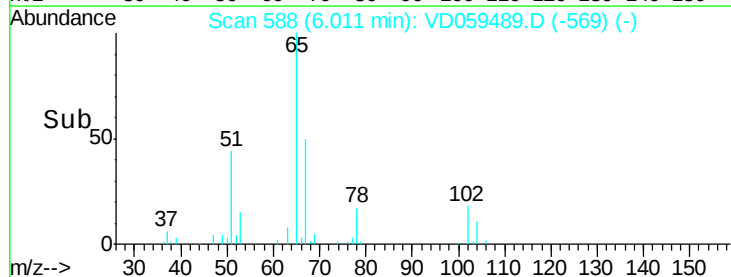
78 100

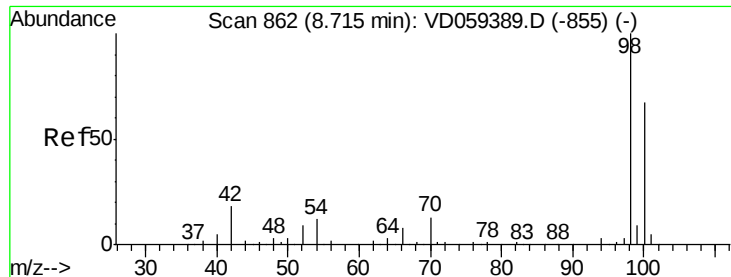
77 18.4 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): V

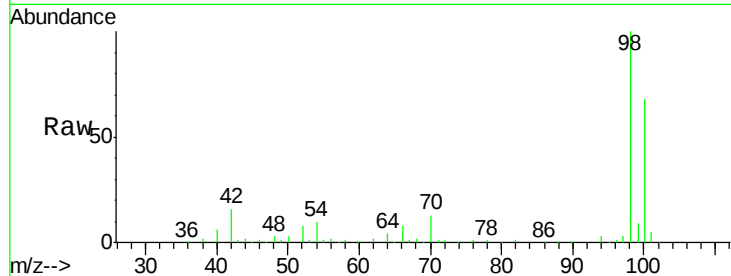
Ion 76.95 (76.65 to 77.65): V



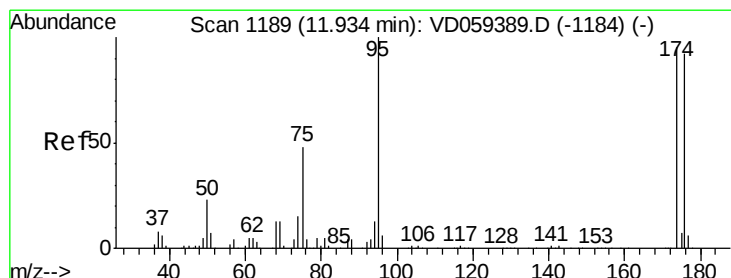
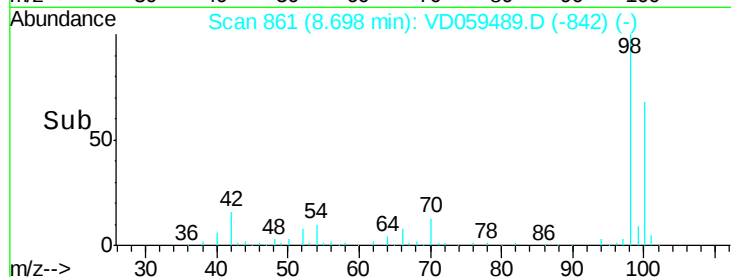
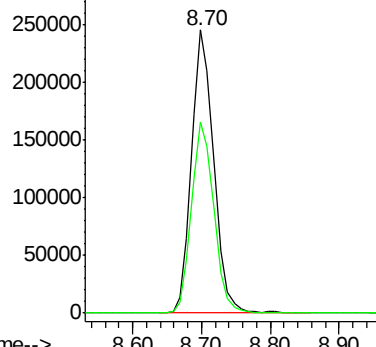


#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.02 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tot Ion: 98 Resp: 548519
Ion Ratio Lower Upper
98 100
100 67.7 54.4 81.6

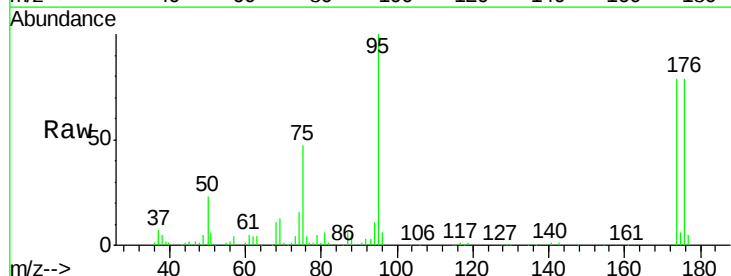


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

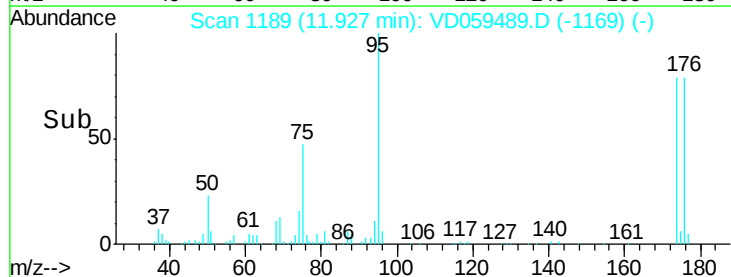
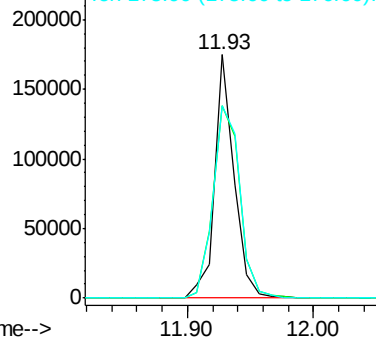


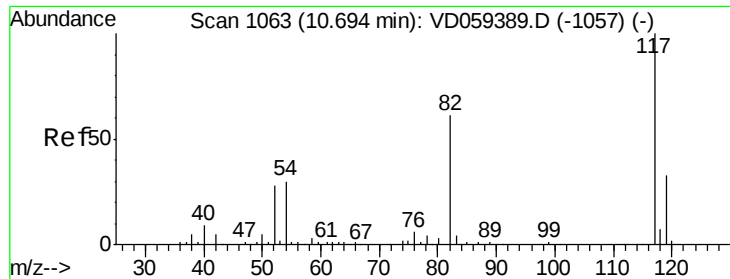
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tgt Ion: 95 Resp: 185544
Ion Ratio Lower Upper
95 100
174 79.0 0.0 190.4
176 79.1 0.0 183.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
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: VD059489.D

Acq: 29 Jun 2018 13:59

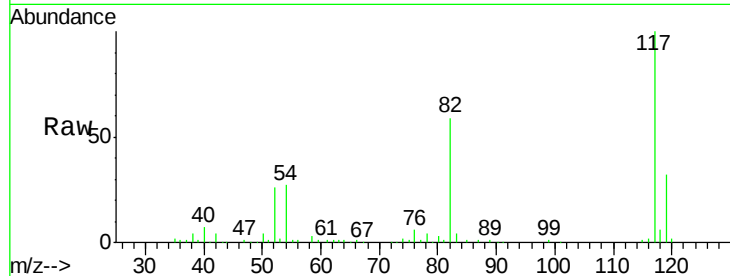
Tot Ion:117 Resp: 588690

Ion Ratio Lower Upper

117 100

82 58.7 49.0 73.6

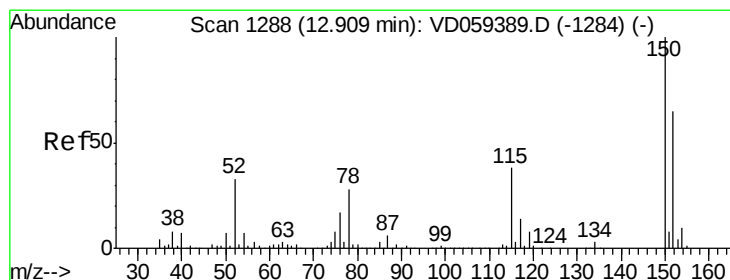
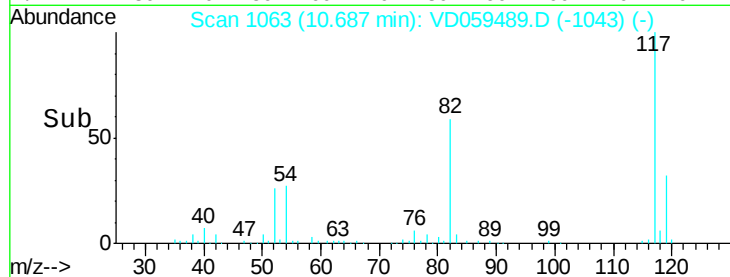
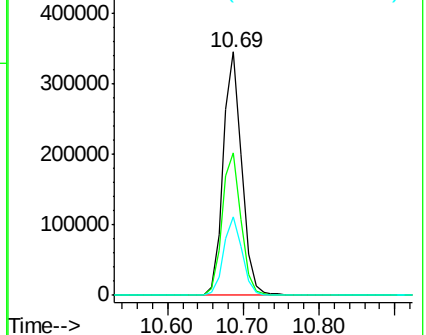
119 32.3 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): VDC

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: VD059489.D

Acq: 29 Jun 2018 13:59

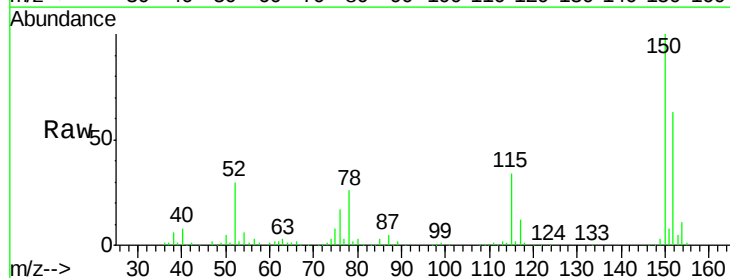
Tgt Ion:152 Resp: 230060

Ion Ratio Lower Upper

152 100

115 54.0 29.4 88.3

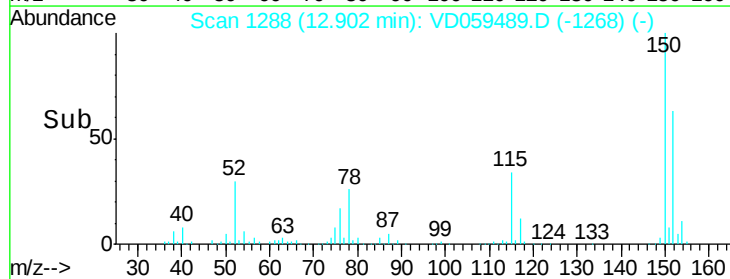
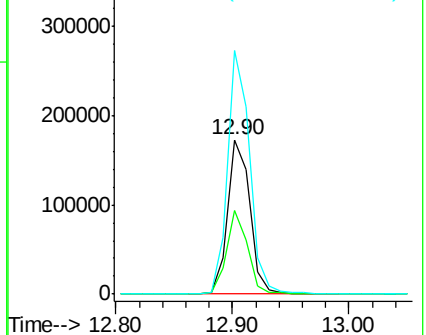
150 157.6 0.0 308.2

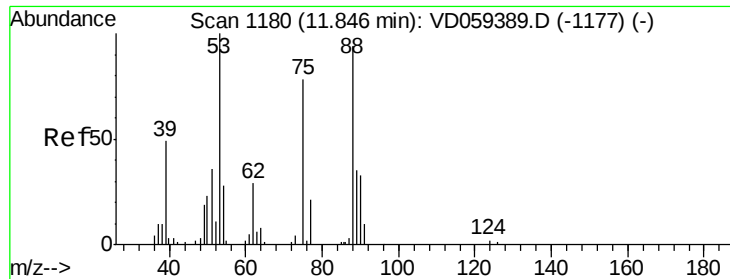


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

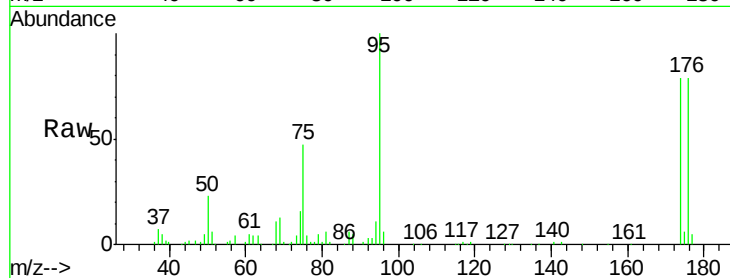
Ion 149.90 (149.60 to 150.60): V



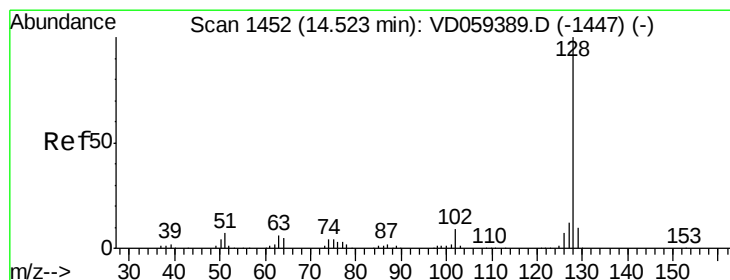
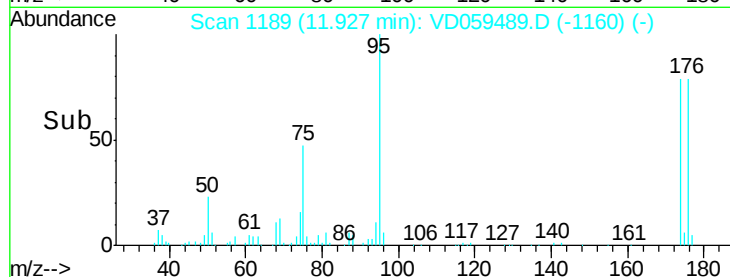
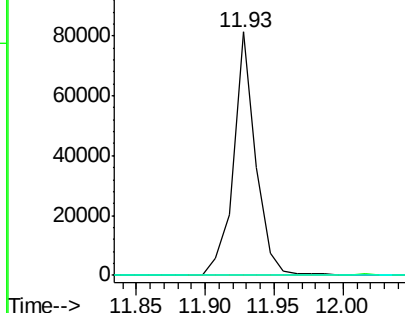


#81
trans-1,4-Dichloro-2-butene
Concen: 126.028 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.08 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	102.6	154.0#
89	0.0	35.9	53.9#

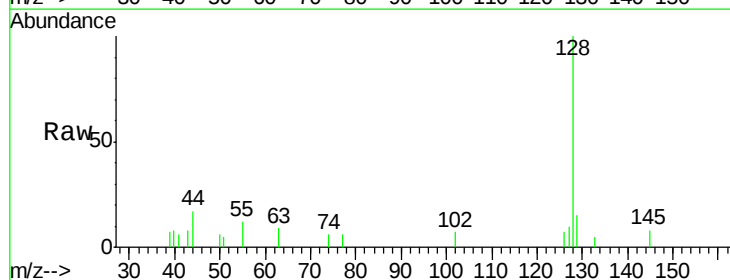


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 1.023 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059489.D
Acq: 29 Jun 2018 13:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.6	14.4
129	15.3	8.2	12.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

