

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059485.D
 Acq On : 29 Jun 2018 11:57
 Operator : VA/AP
 Sample : VD0629SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 00:24:24 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	5.64	168	962930	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1237972	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	980747	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	518710	50.00	ug/l	0.00

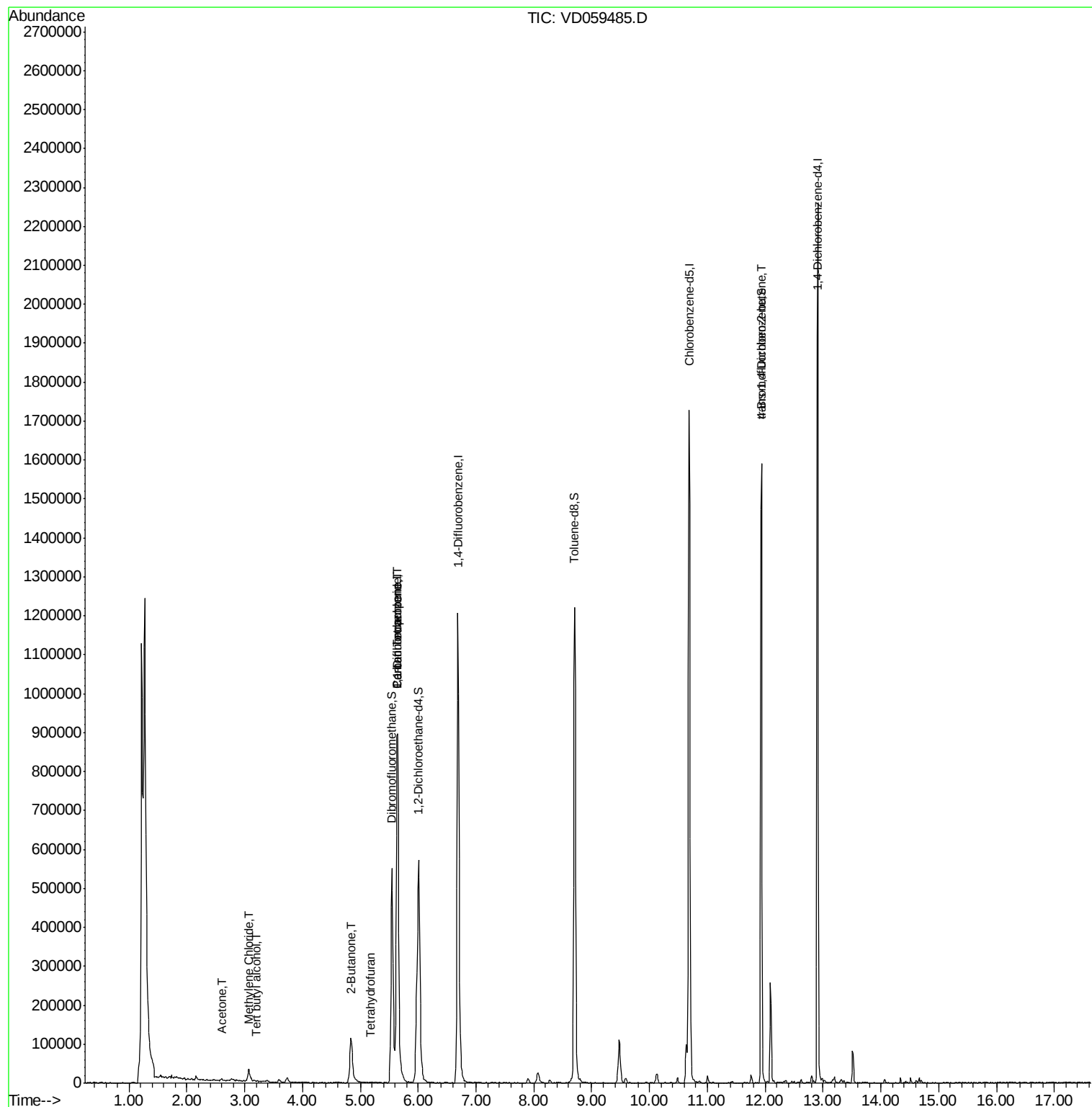
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	407546	41.39	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.78%	
35) Dibromofluoromethane	5.55	113	432395	42.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.76%	
50) Toluene-d8	8.71	98	999509	42.40	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.80%	
62) 4-Bromofluorobenzene	11.92	95	440424	44.92	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	89.84%	

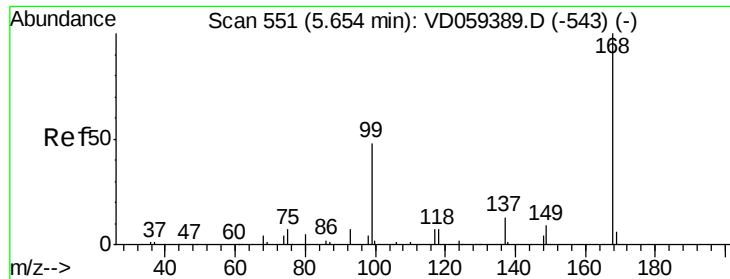
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.81	94	849	Below Cal	#	73
11) Tert butyl alcohol	3.20	59	1374	4.033	ug/l #	72
16) Acetone	2.60	43	8558	6.886	ug/l #	88
18) Methyl Acetate	2.94	43	829	Below Cal	#	66
20) Methylene Chloride	3.06	84	13428	1.475	ug/l #	89
25) 2-Butanone	4.84	43	10299	3.956	ug/l #	57
29) Tetrahydrofuran	5.17	42	2565	1.801	ug/l #	43
31) Cyclohexane	5.63	56	21656	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	77381	6.890	ug/l #	50
38) Carbon Tetrachloride	5.63	117	76095	6.572	ug/l #	17
81) trans-1,4-Dichloro-2-buten	11.92	75	217504	133.748	ug/l #	1

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

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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 00:24:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
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: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059485.D

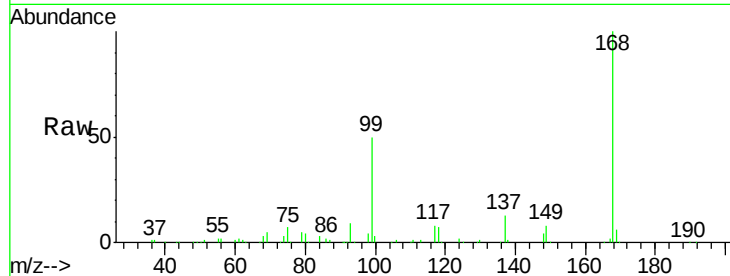
Acq: 29 Jun 2018 11:57

Tot Ion:168 Resp: 962930

Ion Ratio Lower Upper

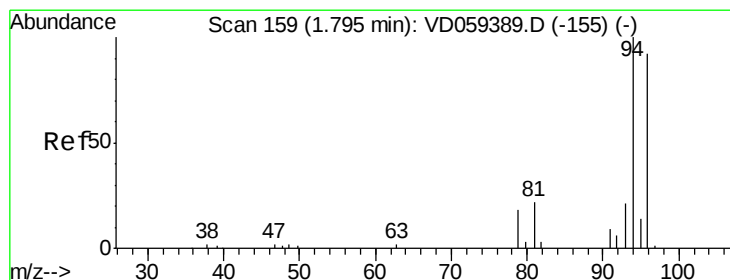
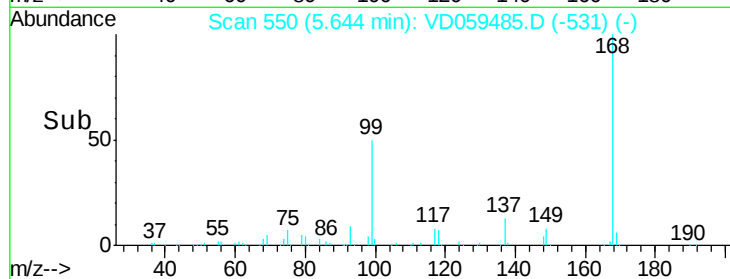
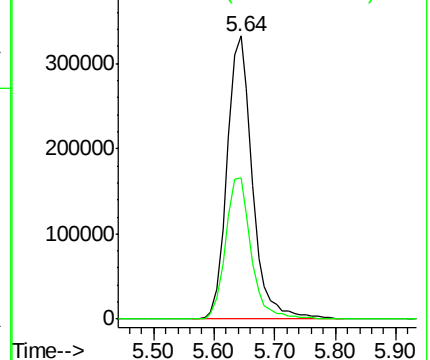
168 100

99 49.9 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: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD059485.D

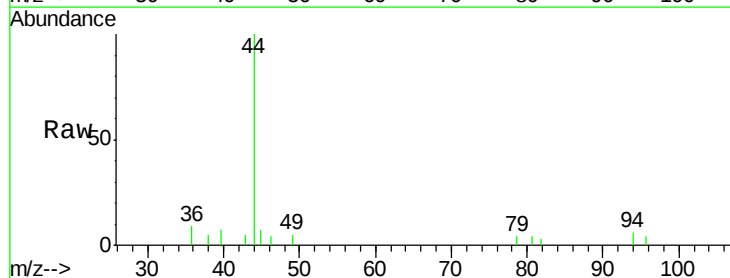
Acq: 29 Jun 2018 11:57

Tgt Ion: 94 Resp: 849

Ion Ratio Lower Upper

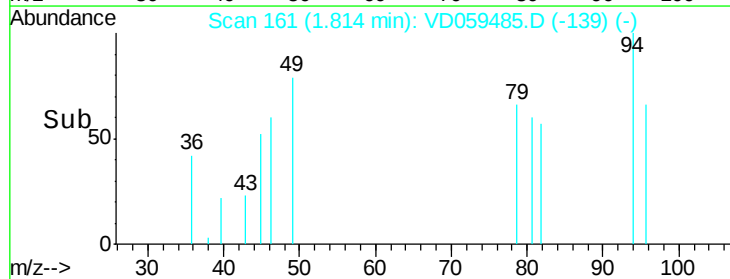
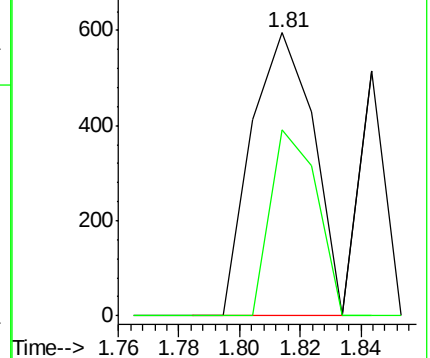
94 100

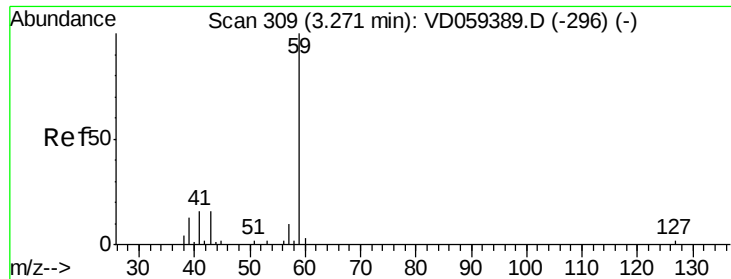
96 65.9 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

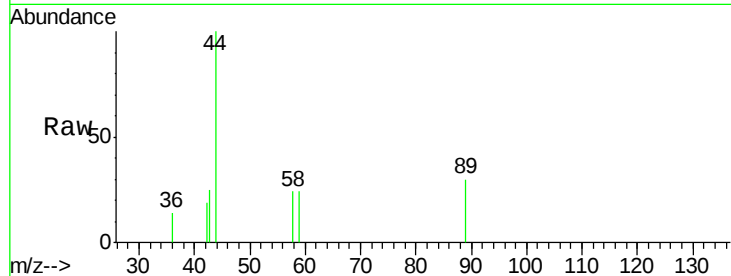




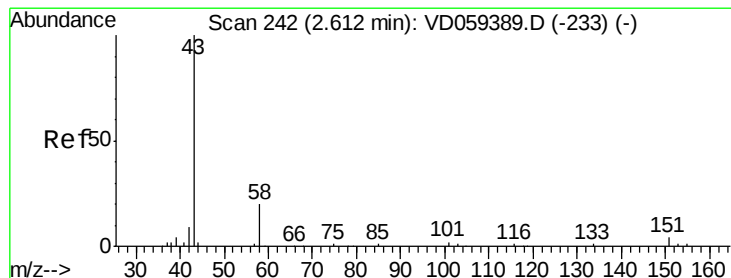
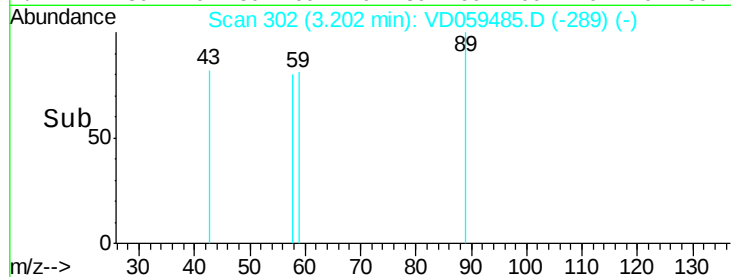
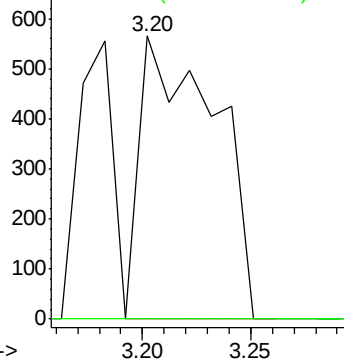
#11

Tert butvl alcohol
Concen: 4.033 ug/l
RT: 3.20 min Scan# 302
Delta R.T. -0.07 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tot Ion: 59 Resp: 1374
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



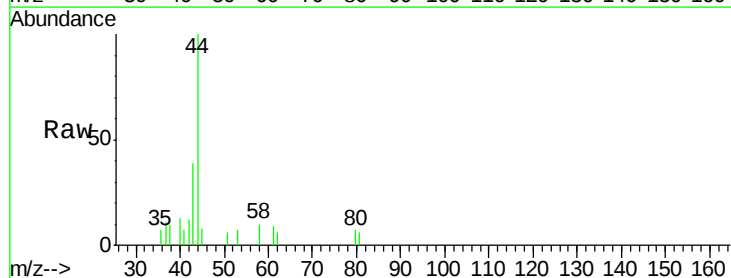
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



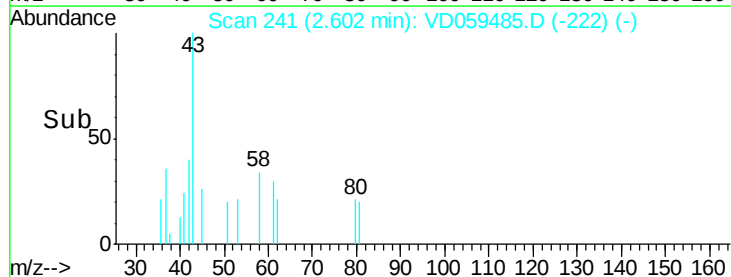
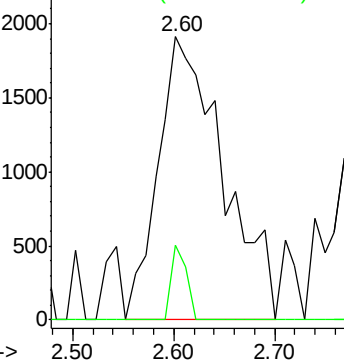
#16

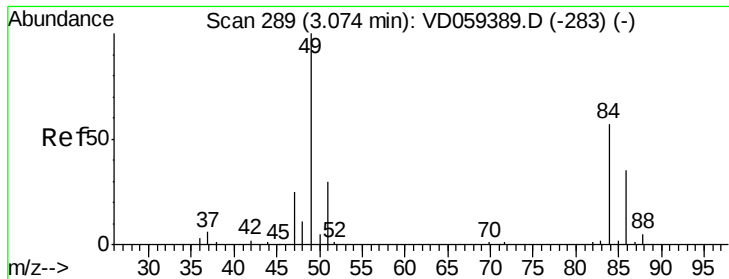
Acetone
Concen: 6.886 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tgt Ion: 43 Resp: 8558
Ion Ratio Lower Upper
43 100
58 26.6 16.8 25.2#



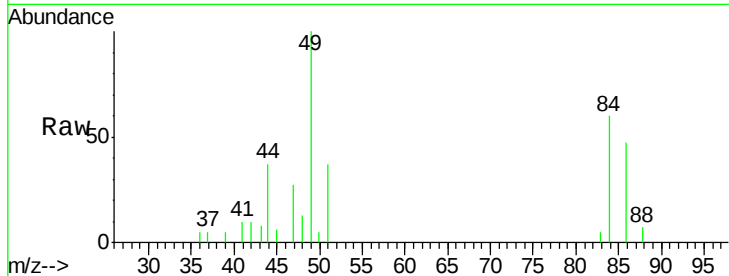
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



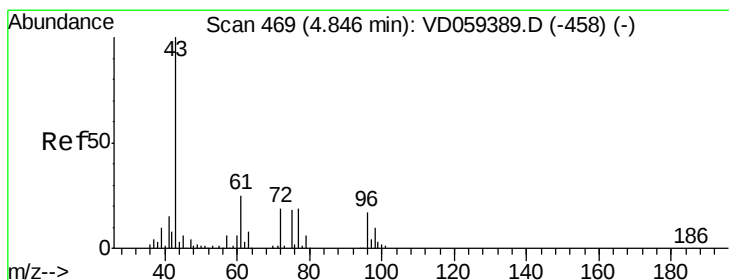
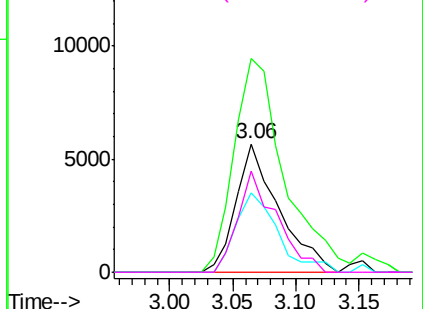
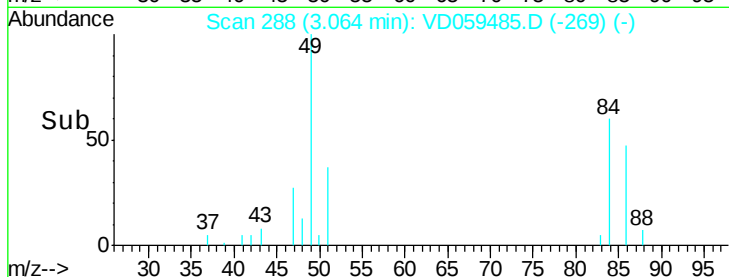


#20
Methvlene Chloride
Concen: 1.475 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tot Ion: 84 Resp: 13428
Ion Ratio Lower Upper
84 100
49 166.3 140.3 210.5
51 61.8 41.6 62.4
86 78.9 49.4 74.2#

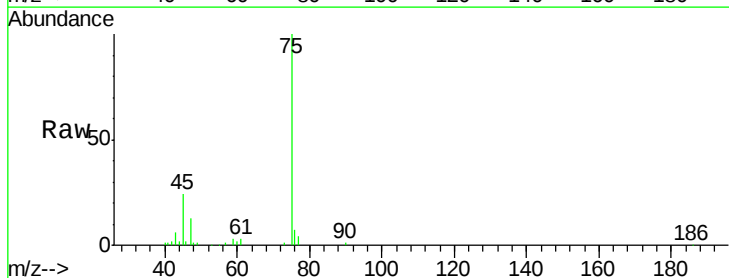


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

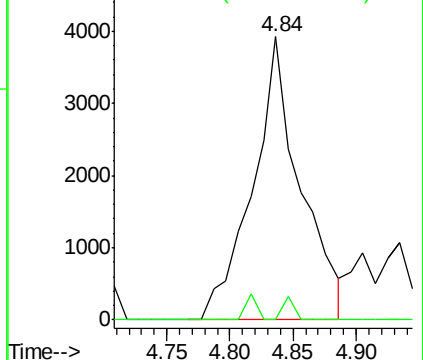
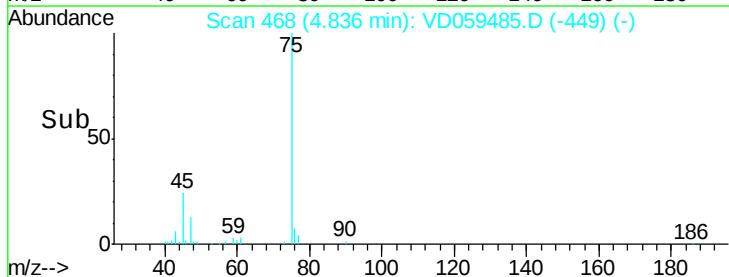


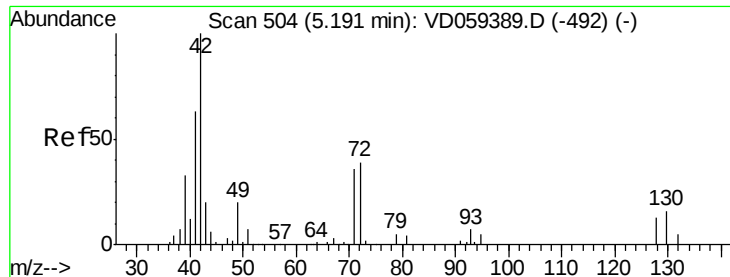
#25
2-Butanone
Concen: 3.956 ug/l
RT: 4.84 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tgt Ion: 43 Resp: 10299
Ion Ratio Lower Upper
43 100
72 0.0 15.4 23.2#



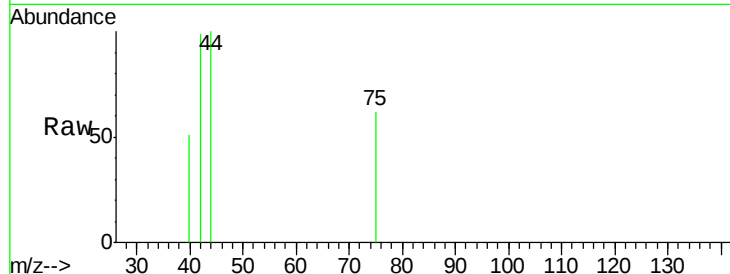
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



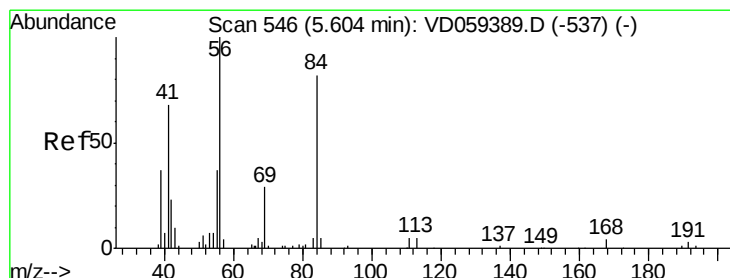
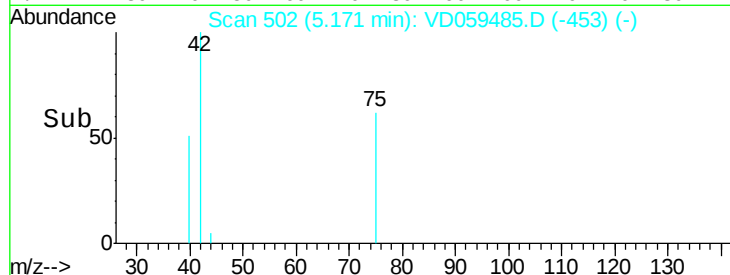
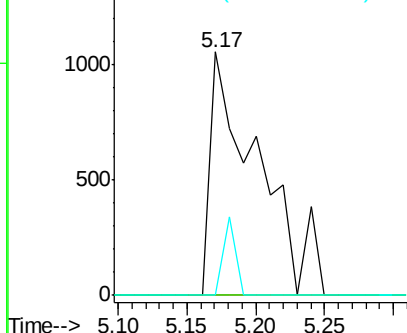


#29
Tetrahydrofuran
Concen: 1.801 ug/l
RT: 5.17 min Scan# 502
Delta R.T. -0.02 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	7.8	29.7	44.5#

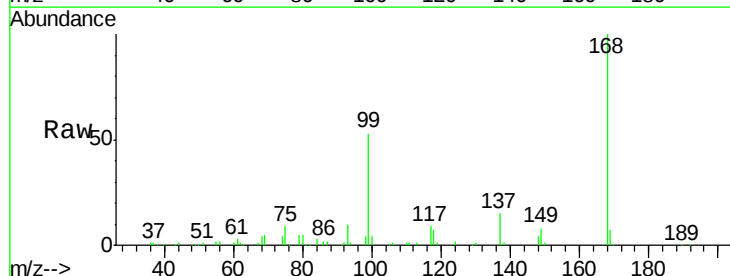


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

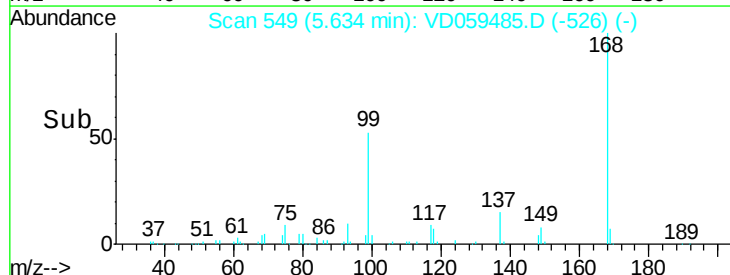
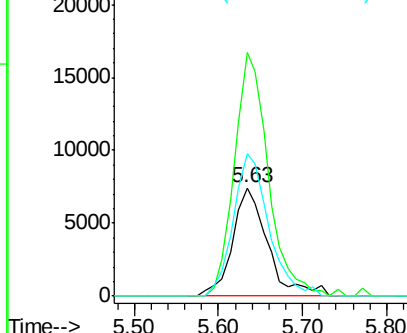


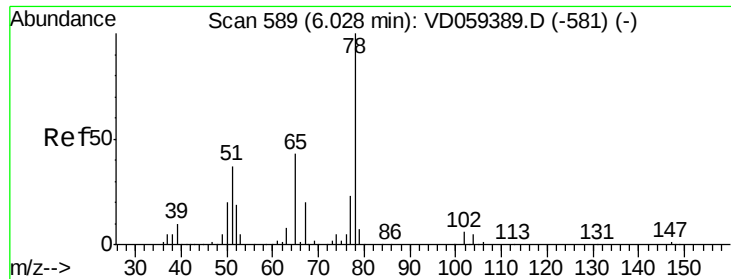
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tgt Ion	Ratio	Lower	Upper
56	100		
69	225.5	22.9	34.3#
84	132.5	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: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059485.D

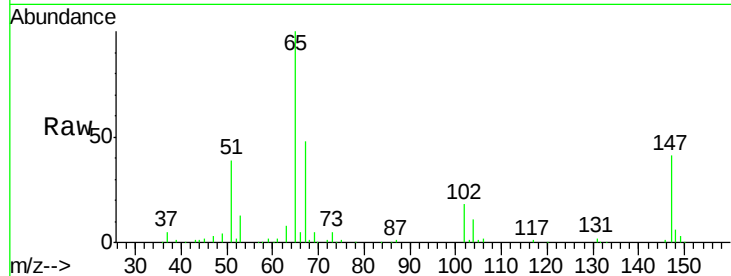
Acq: 29 Jun 2018 11:57

Tot Ion: 65 Resp: 407546

Ion Ratio Lower Upper

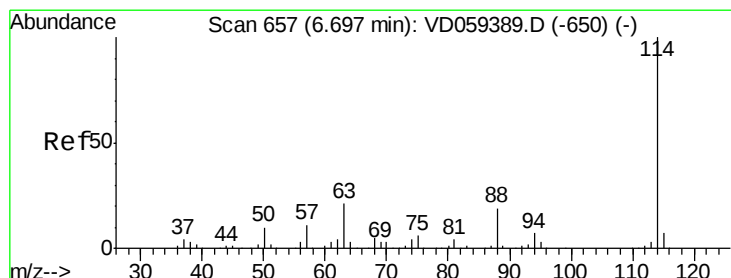
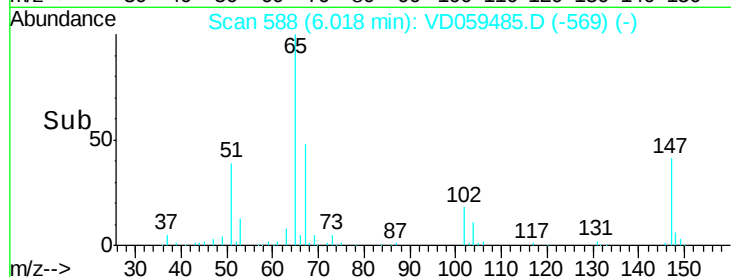
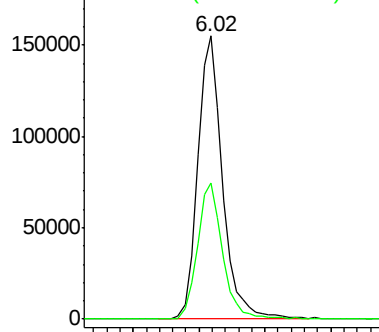
65 100

67 48.3 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# 656

Delta R.T. -0.01 min

Lab File: VD059485.D

Acq: 29 Jun 2018 11:57

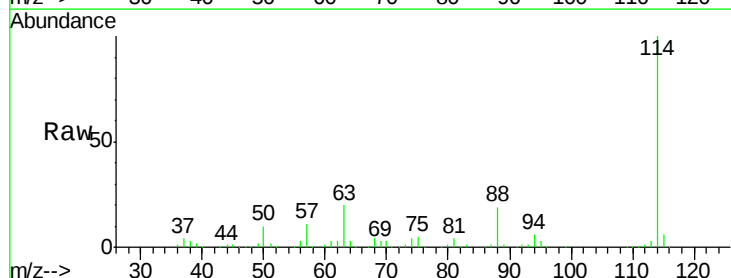
Tgt Ion: 114 Resp: 1237972

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

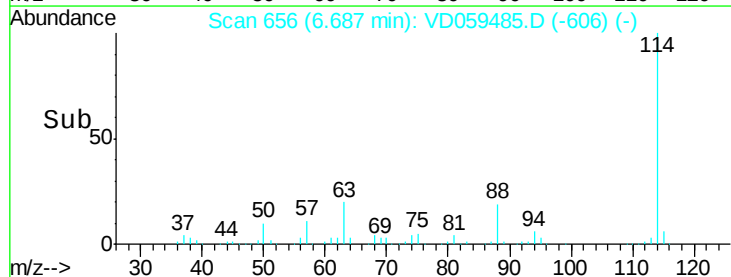
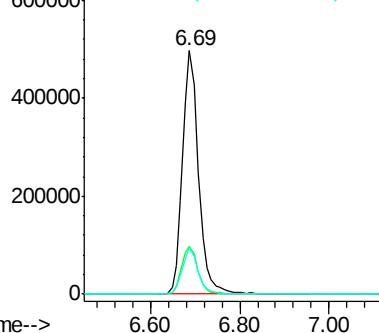
88 19.0 0.0 38.0

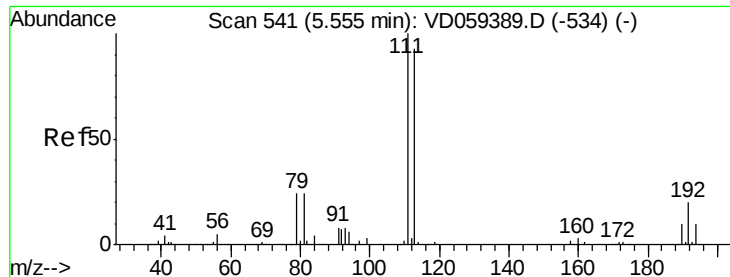


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

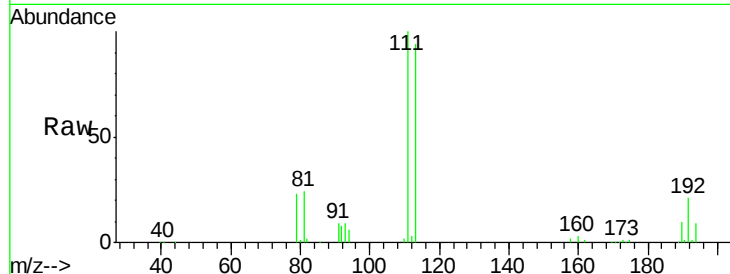
Ion 87.90 (87.60 to 88.60): VDC



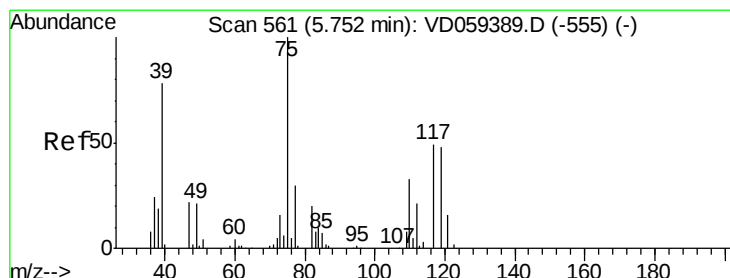
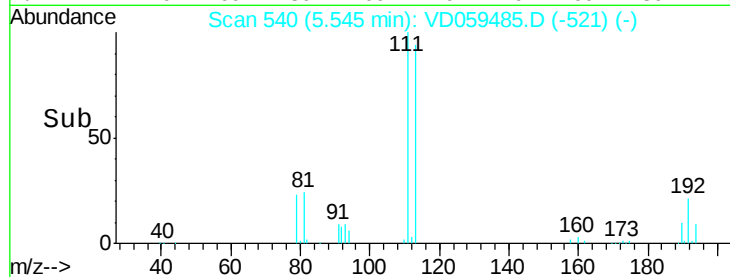
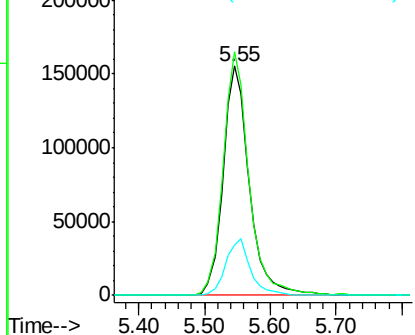


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VD059485.D
 Acq: 29 Jun 2018 11:57

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	85.7	128.5
192	21.9	16.9	25.3

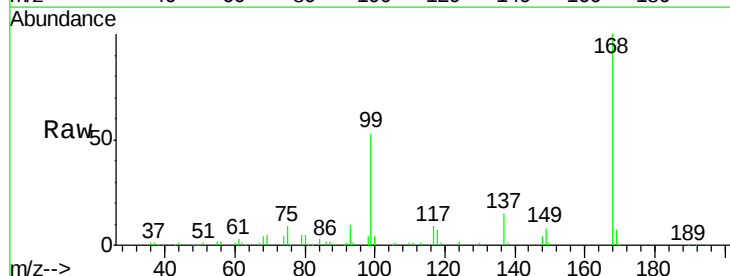


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

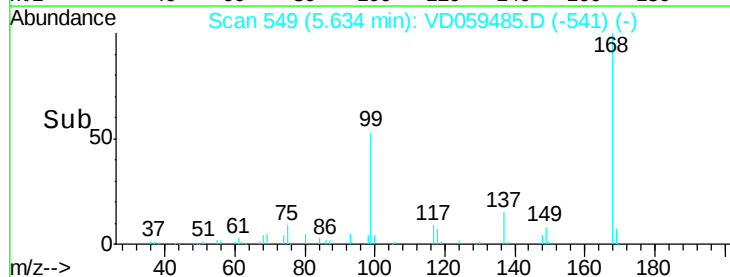
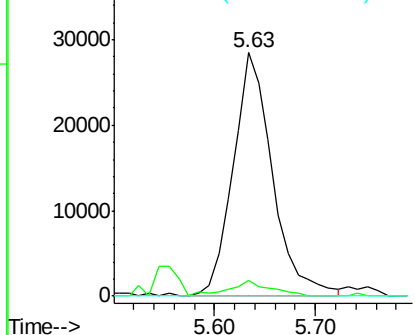


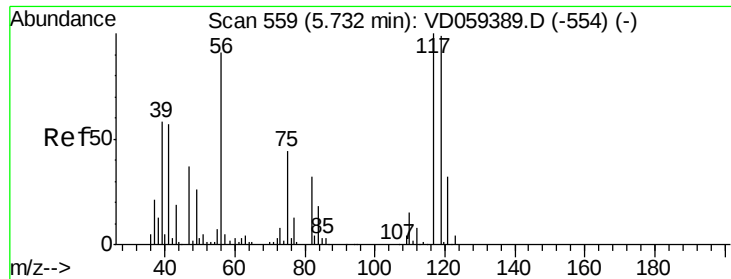
#36
 1,1-Dichloropropene
 Concen: 6.890 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059485.D
 Acq: 29 Jun 2018 11:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	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





#38

Carbon Tetrachloride

Concen: 6.572 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059485.D

Acq: 29 Jun 2018 11:57

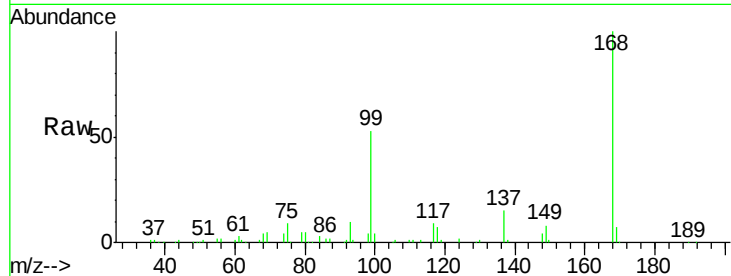
Tot Ion:117 Resp: 76095

Ion Ratio Lower Upper

117 100

119 5.8 76.6 115.0#

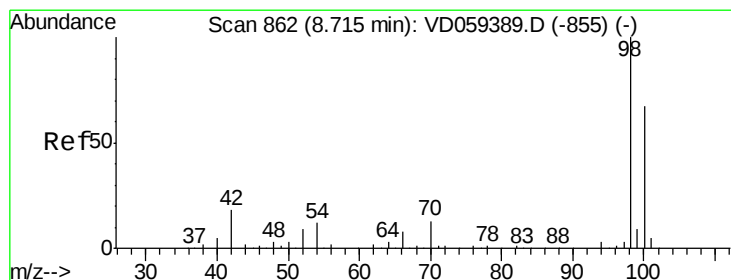
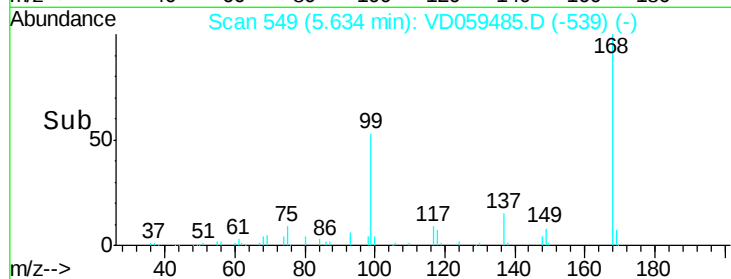
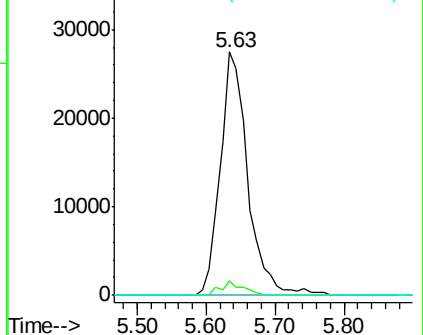
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059485.D

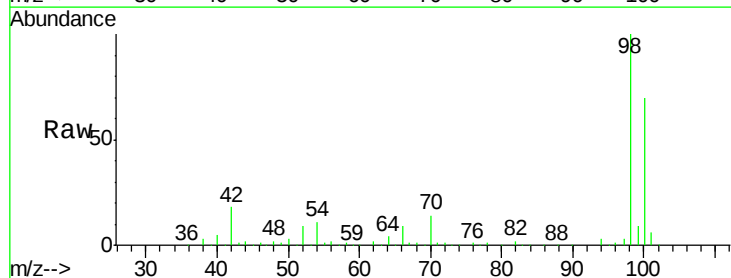
Acq: 29 Jun 2018 11:57

Tgt Ion: 98 Resp: 999509

Ion Ratio Lower Upper

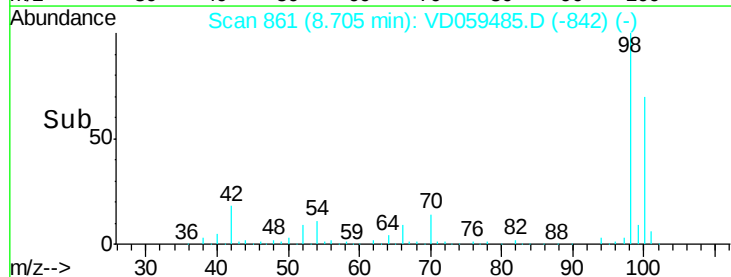
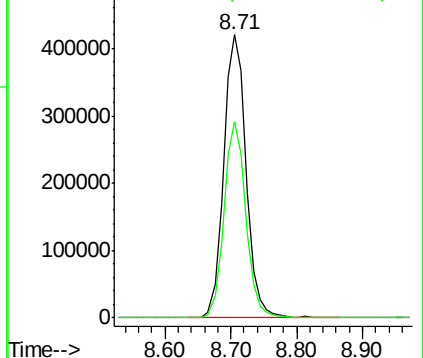
98 100

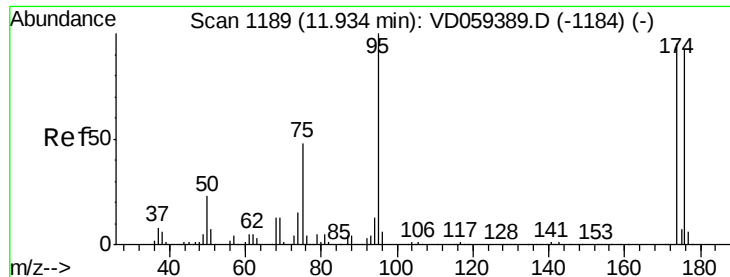
100 69.6 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059485.D

Acq: 29 Jun 2018 11:57

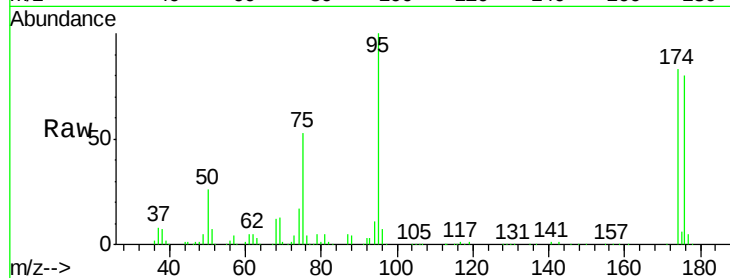
Tot Ion: 95 Resp: 440424

Ion Ratio Lower Upper

95 100

174 83.1 0.0 190.4

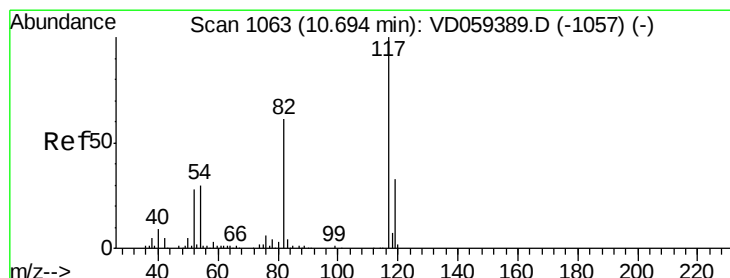
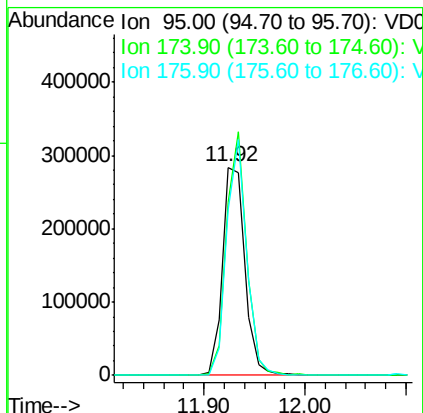
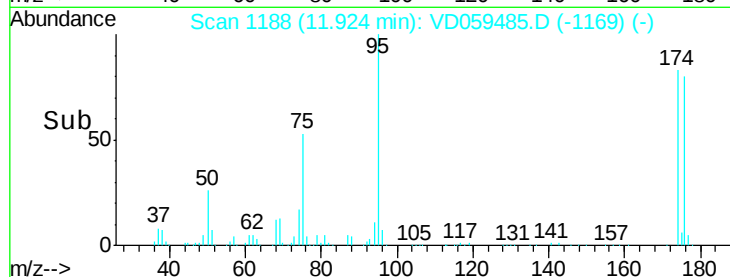
176 79.7 0.0 183.2



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: 10.68 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VD059485.D

Acq: 29 Jun 2018 11:57

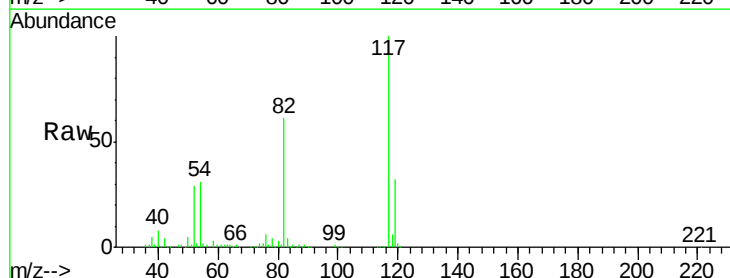
Tgt Ion: 117 Resp: 980747

Ion Ratio Lower Upper

117 100

82 60.6 49.0 73.6

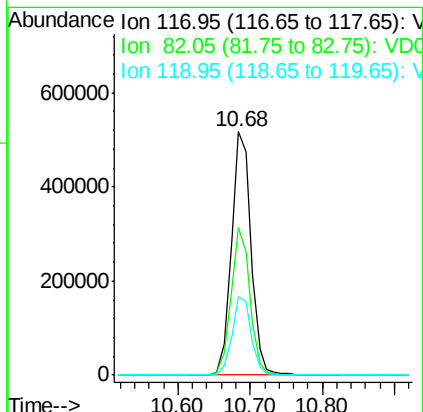
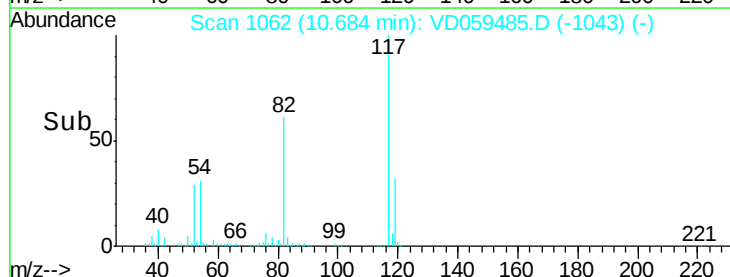
119 32.3 26.2 39.4

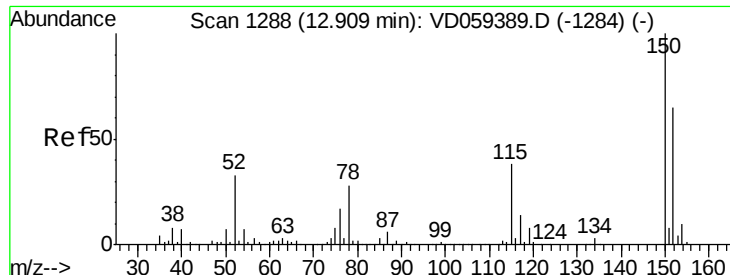


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

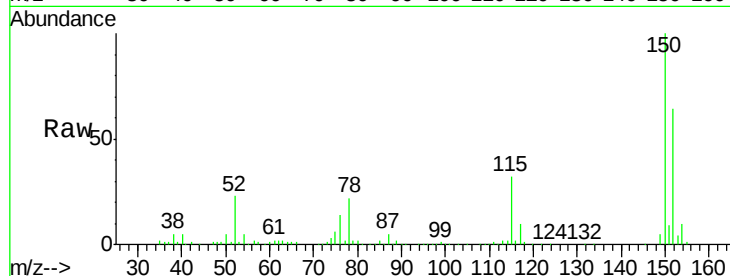




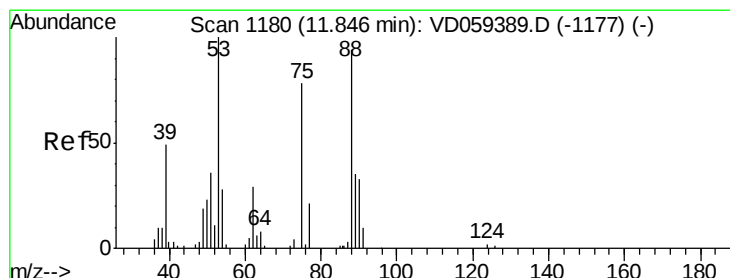
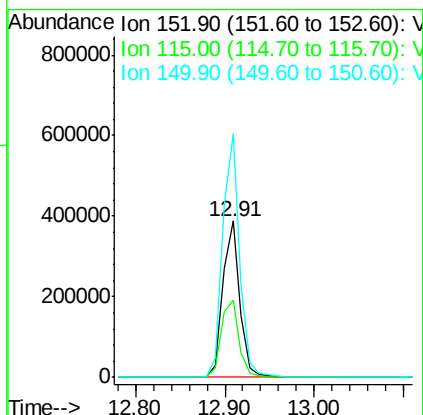
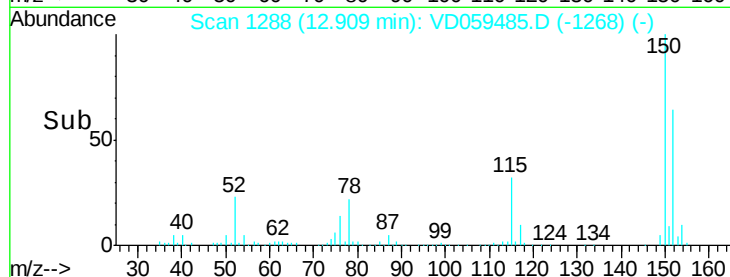
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tot Ion	Ratio	Lower	Upper
152	100		
115	49.2	29.4	88.3
150	156.1	0.0	308.2



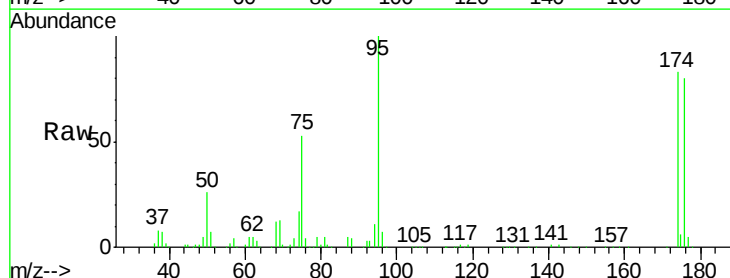
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 133.748 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.08 min
Lab File: VD059485.D
Acq: 29 Jun 2018 11:57

Tgt 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

