

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059497.D
 Acq On : 29 Jun 2018 17:46
 Operator : VA/AP
 Sample : J3677-08RE
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 00:26:50 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	414857	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	6.67	114	552379	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.68	117	465267	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	246104	50.00	ug/l	0.00

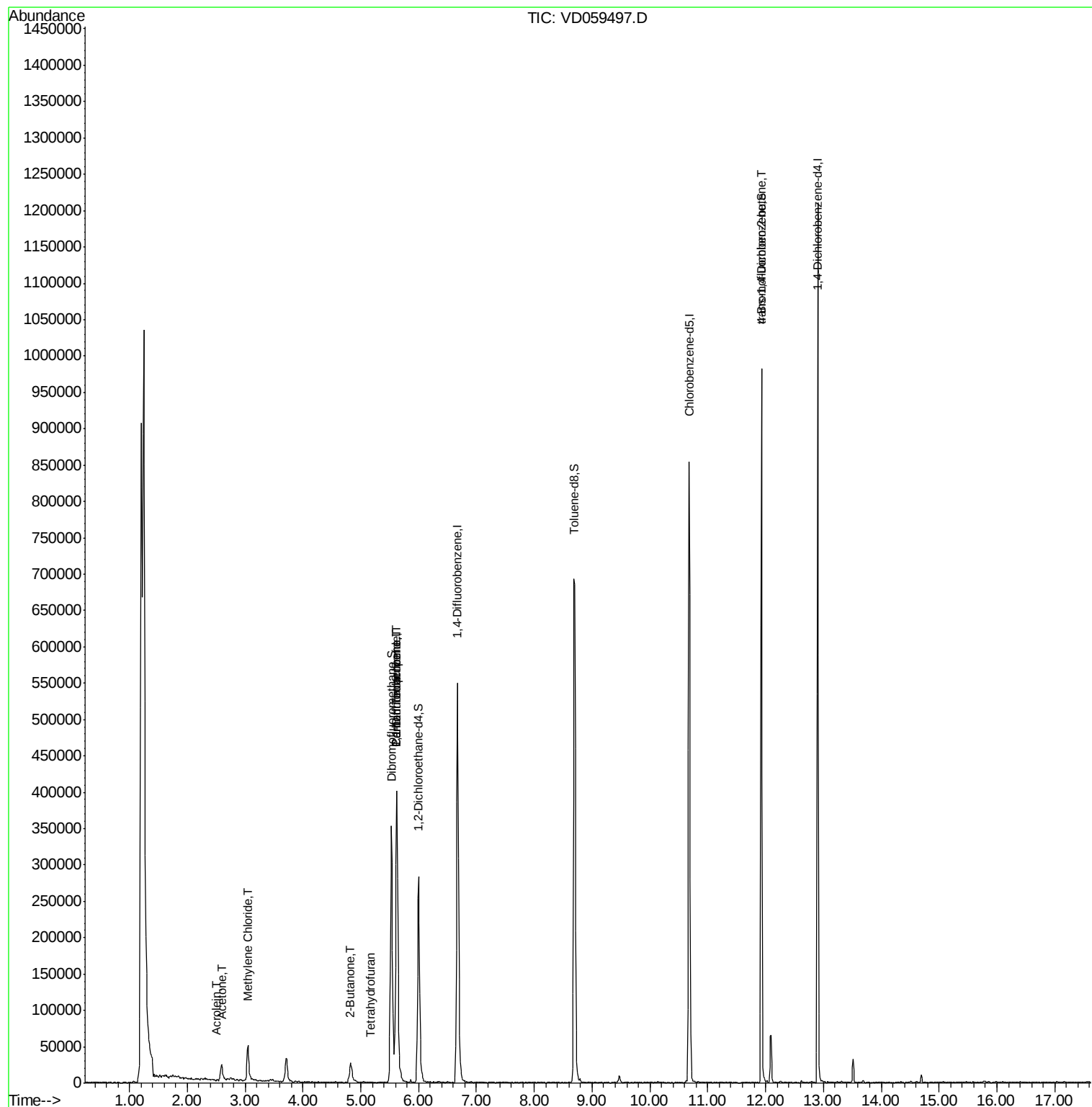
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	276800	65.24	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	130.48%	
35) Dibromofluoromethane	5.53	113	262022	58.24	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	116.48%	
50) Toluene-d8	8.69	98	563242	53.55	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	107.10%	
62) 4-Bromofluorobenzene	11.93	95	244767	55.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.90%	

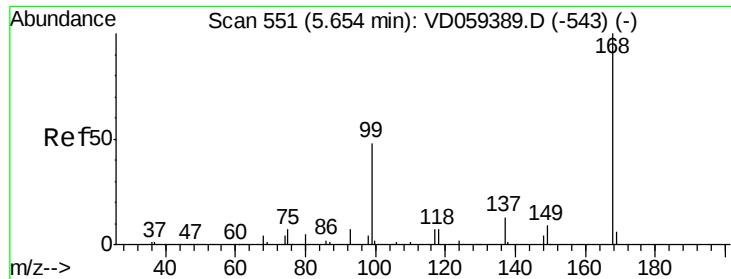
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.77	94	197	Below Cal	#	4
13) Acrolein	2.51	56	179	1.364	ug/l #	16
16) Acetone	2.59	43	45562	85.092	ug/l	93
18) Methyl Acetate	2.93	43	1391	Below Cal	#	66
20) Methylene Chloride	3.05	84	23538	14.058	ug/l #	85
25) 2-Butanone	4.82	43	14446	12.879	ug/l #	77
29) Tetrahydrofuran	5.17	42	768	1.252	ug/l #	37
31) Cyclohexane	5.62	56	8941	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	34786	6.942	ug/l #	50
38) Carbon Tetrachloride	5.62	117	31107	6.021	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	117427	152.193	ug/l #	1

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.03 min

Lab File: VD059497.D

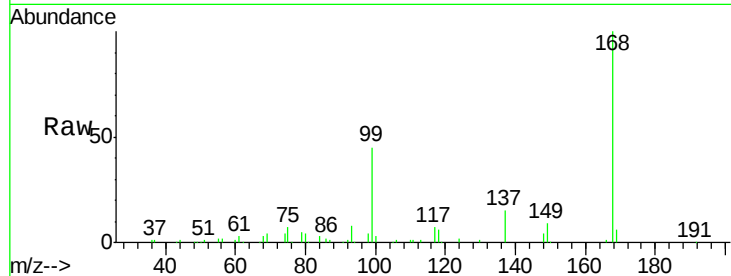
Acq: 29 Jun 2018 17:46

Tot Ion:168 Resp: 414857

Ion Ratio Lower Upper

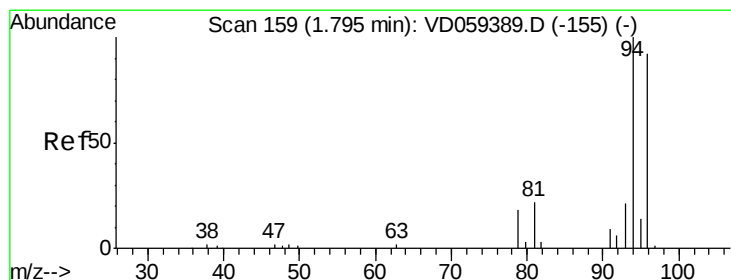
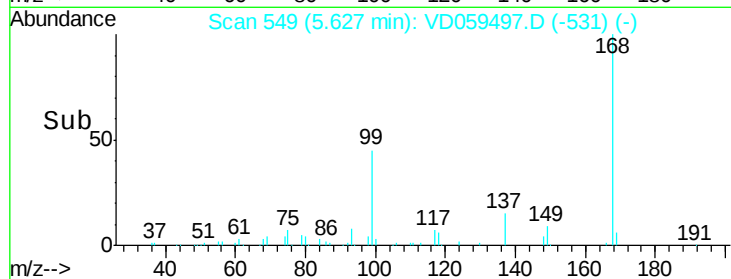
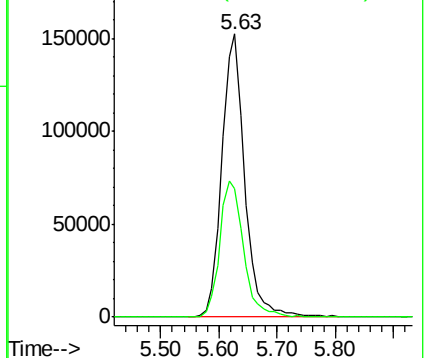
168 100

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



#5

Bromomethane

Concen: Below Cal

RT: 1.77 min Scan# 157

Delta R.T. -0.03 min

Lab File: VD059497.D

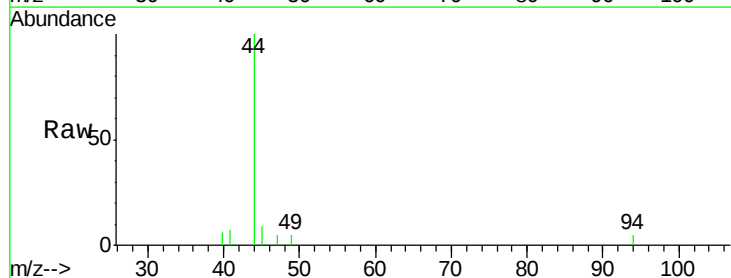
Acq: 29 Jun 2018 17:46

Tgt Ion: 94 Resp: 197

Ion Ratio Lower Upper

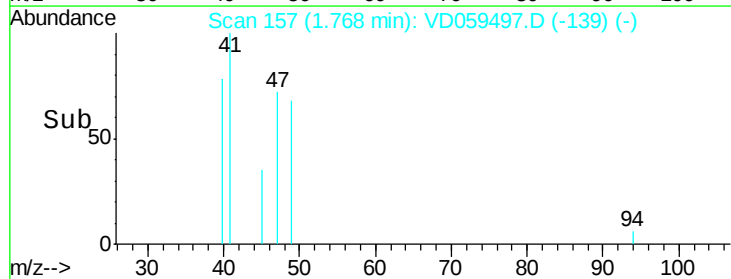
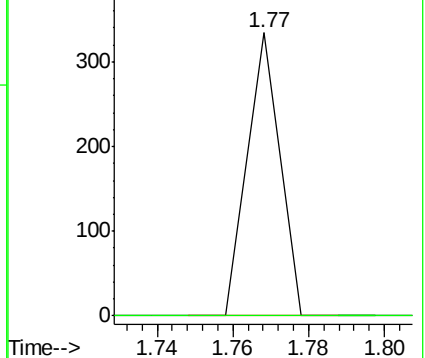
94 100

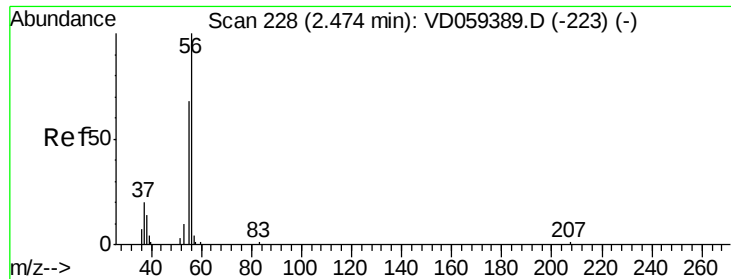
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#13

Acrolein

Concen: 1.364 ug/l

RT: 2.51 min Scan# 232

Delta R.T. 0.03 min

Lab File: VD059497.D

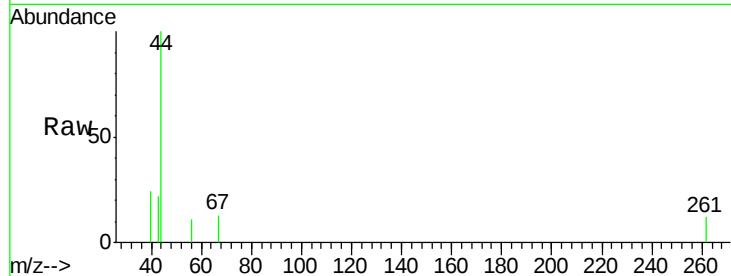
Acq: 29 Jun 2018 17:46

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

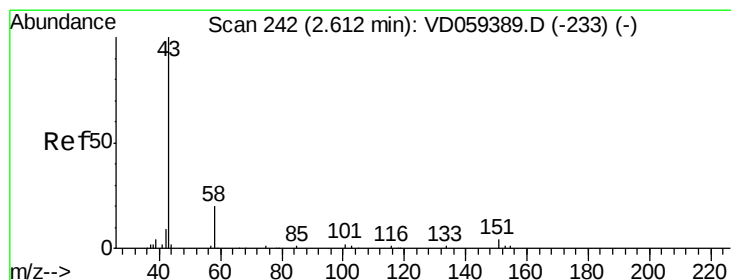
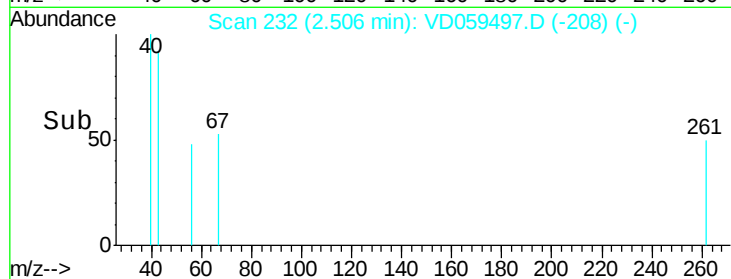
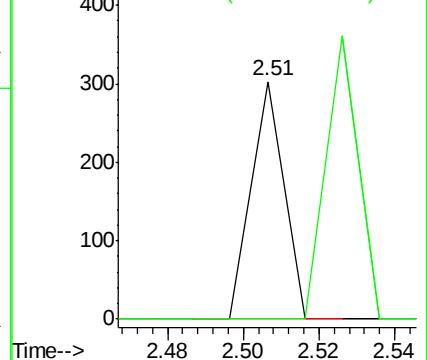
56 100

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: 85.092 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD059497.D

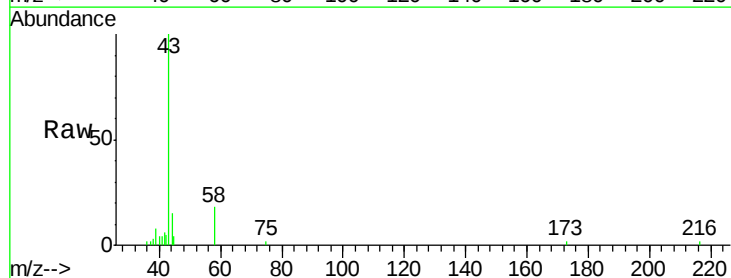
Acq: 29 Jun 2018 17:46

Tgt Ion: 43 Resp: 45562

Ion Ratio Lower Upper

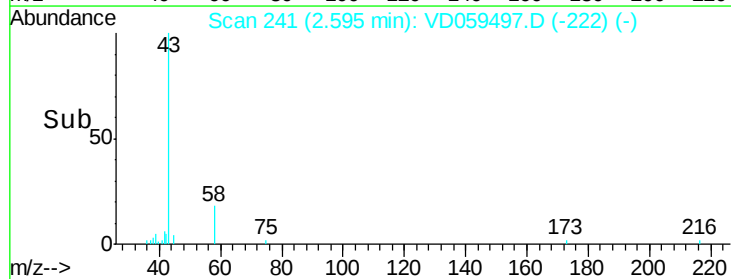
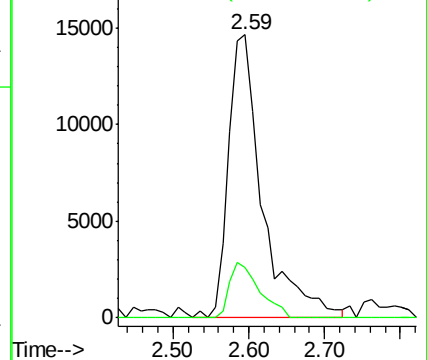
43 100

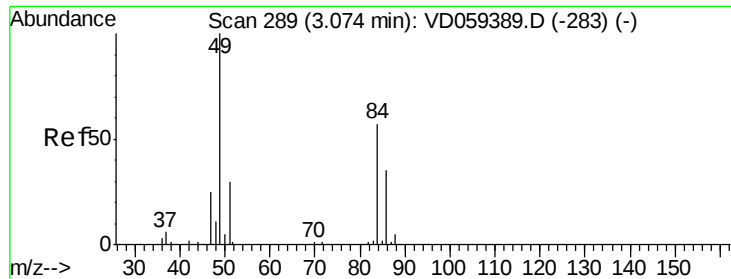
58 17.8 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

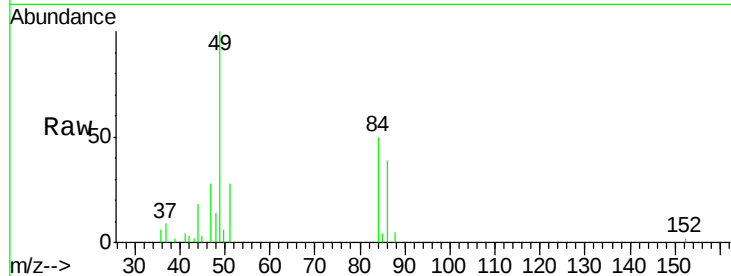




#20
Methvlene Chloride
Concen: 14.058 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.03 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

Tot Ion: 84 Resp: 23538

Ion	Ratio	Lower	Upper
84	100		
49	198.2	140.3	210.5
51	54.7	41.6	62.4
86	77.4	49.4	74.2#

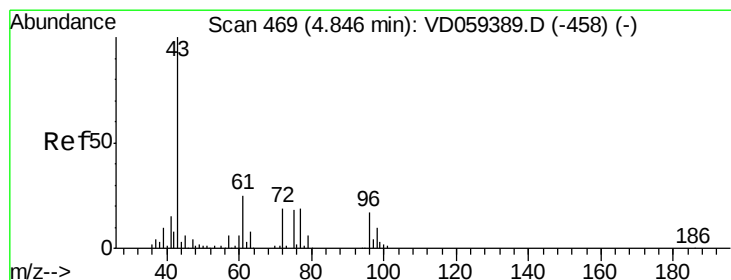
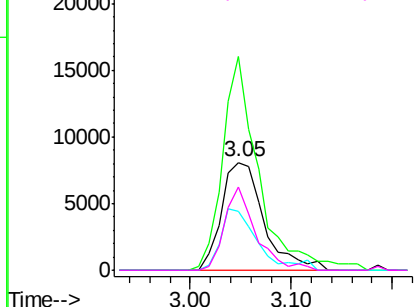
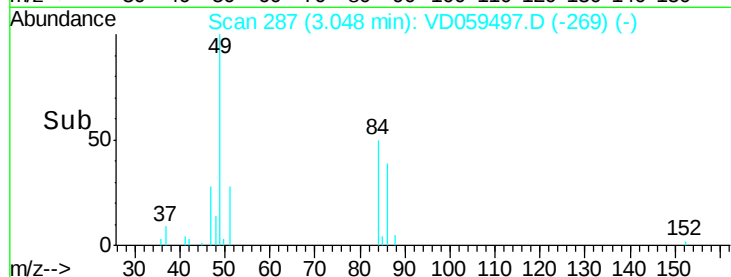


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

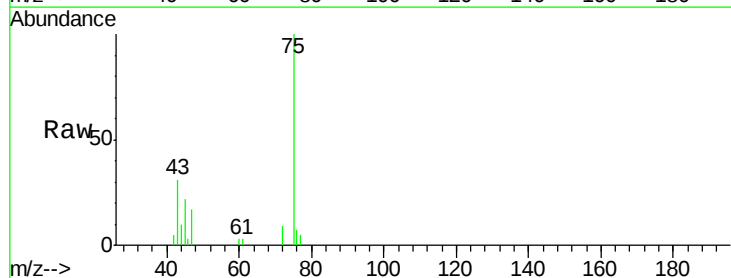
Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 12.879 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

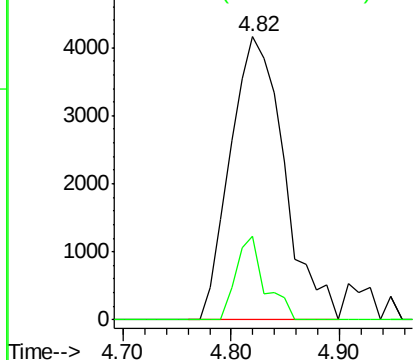
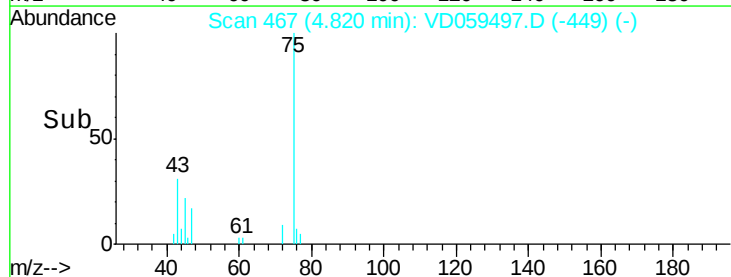
Tgt Ion: 43 Resp: 14446

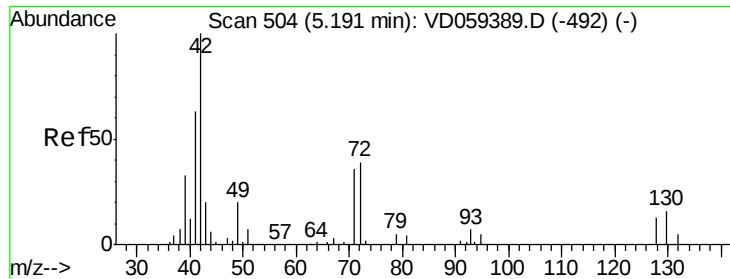
Ion	Ratio	Lower	Upper
43	100		
72	29.7	15.4	23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

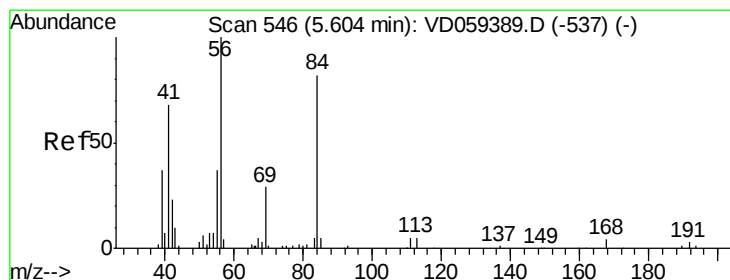
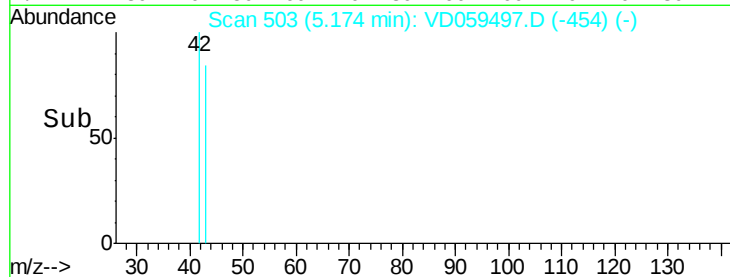
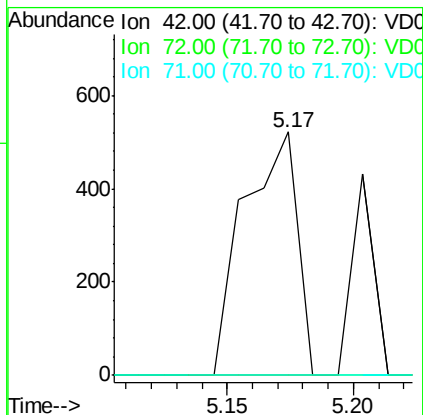
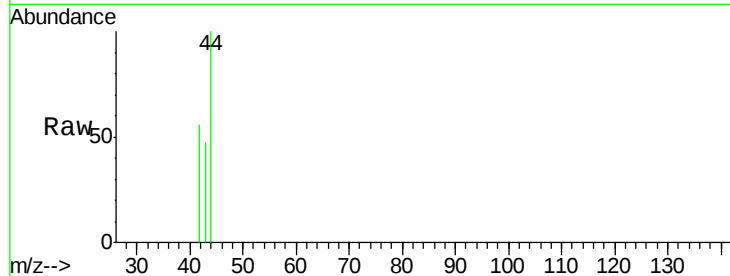
Ion 72.00 (71.70 to 72.70): VDC





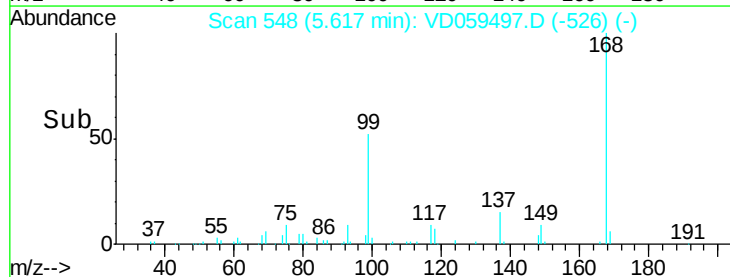
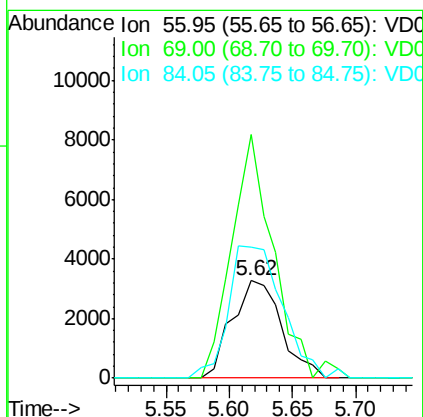
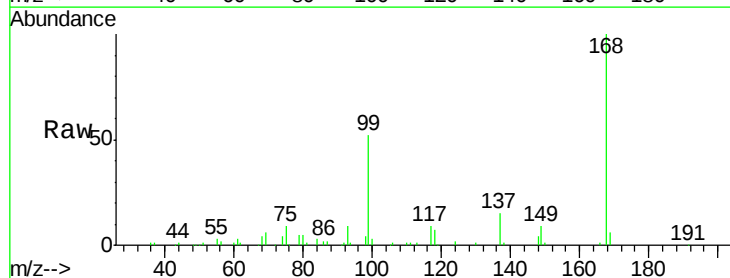
#29
Tetrahydrofuran
Concen: 1.252 ug/l
RT: 5.17 min Scan# 503
Delta R.T. -0.02 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

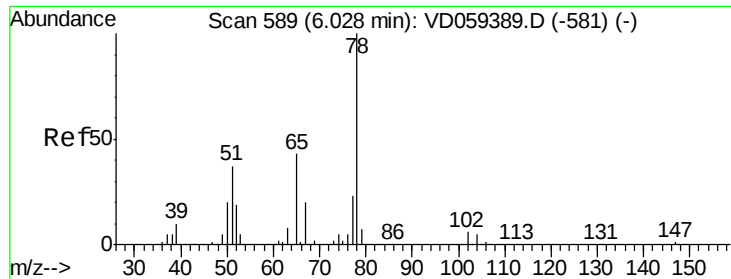
Tot Ion: 42 Resp: 768
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 0.0 29.7 44.5#



#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

Tgt Ion: 56 Resp: 8941
Ion Ratio Lower Upper
56 100
69 249.4 22.9 34.3#
84 134.2 67.3 100.9#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.03 min

Lab File: VD059497.D

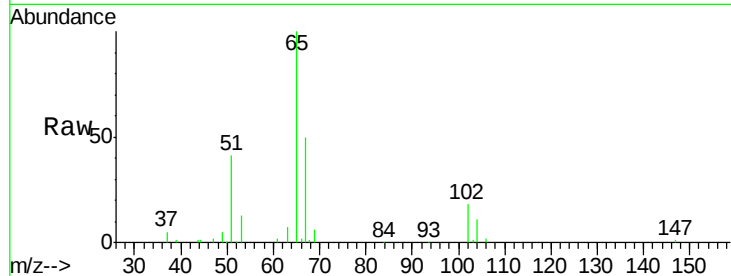
Acq: 29 Jun 2018 17:46

Tot Ion: 65 Resp: 276800

Ion Ratio Lower Upper

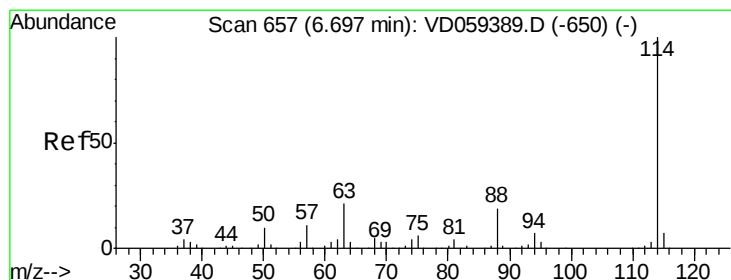
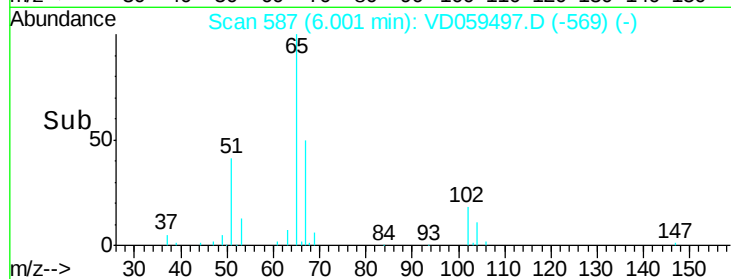
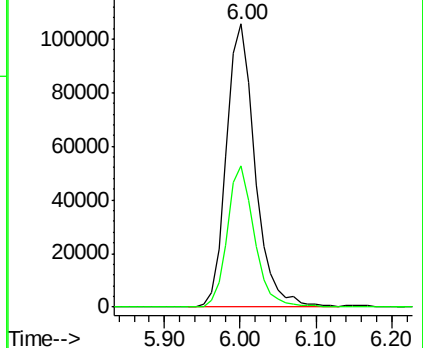
65 100

67 49.7 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. -0.03 min

Lab File: VD059497.D

Acq: 29 Jun 2018 17:46

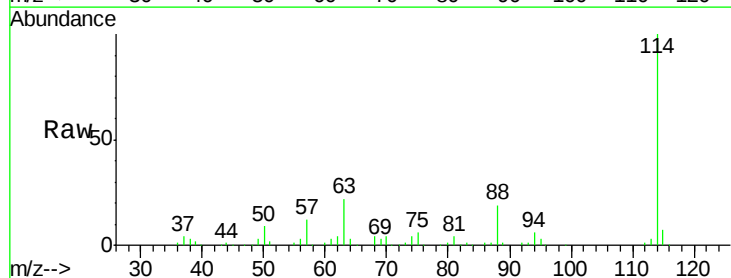
Tgt Ion: 114 Resp: 552379

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.4

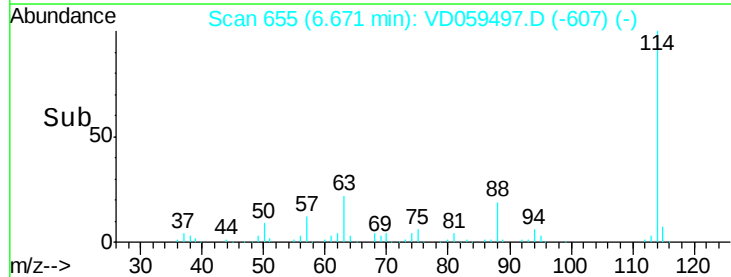
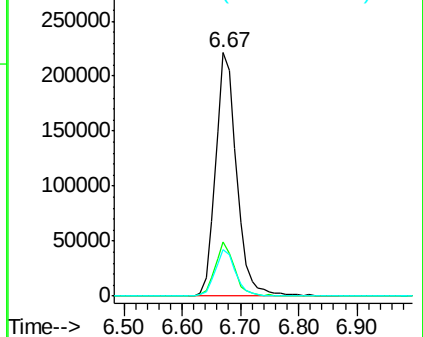
88 19.1 0.0 38.0

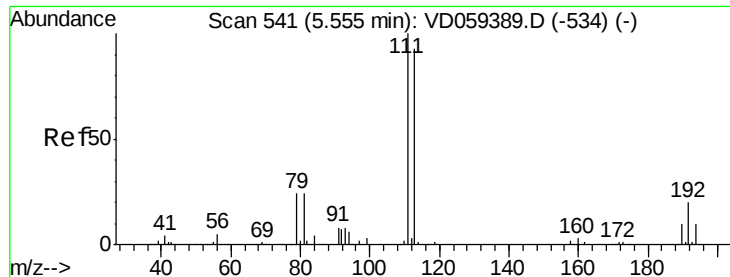


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

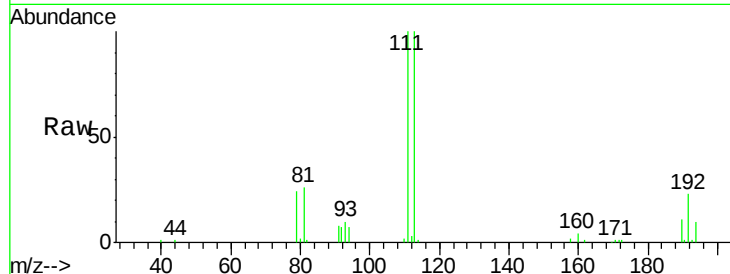
Ion 87.90 (87.60 to 88.60): VDC



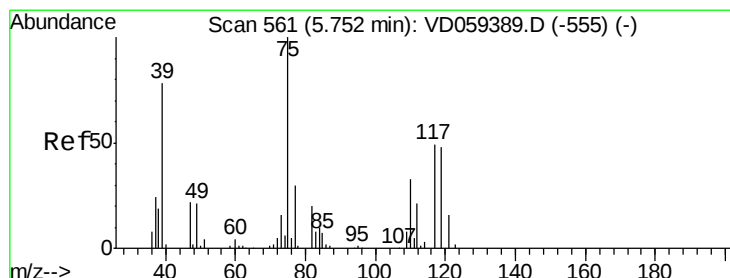
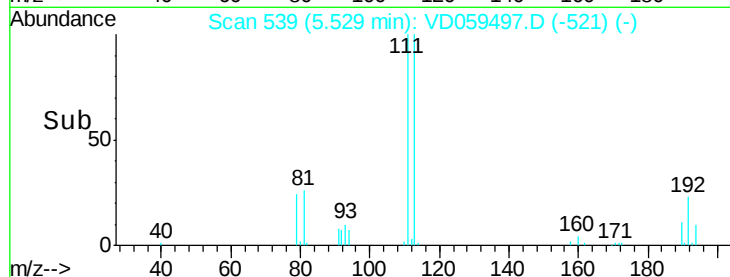
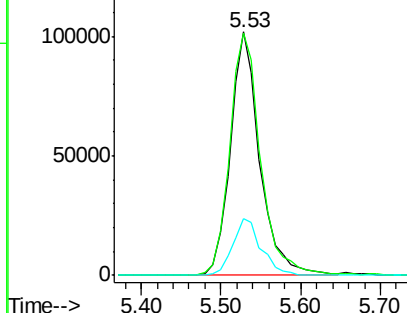


#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.53 min Scan# 539
Delta R.T. -0.03 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	85.7	128.5
192	23.2	16.9	25.3

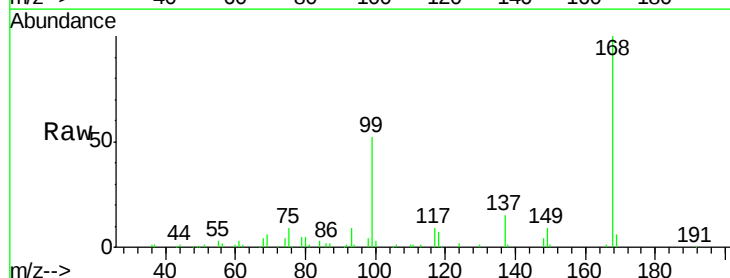


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

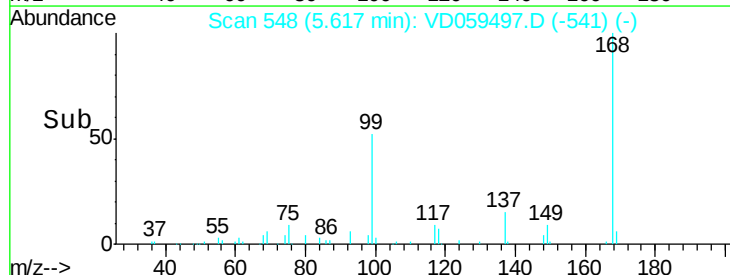
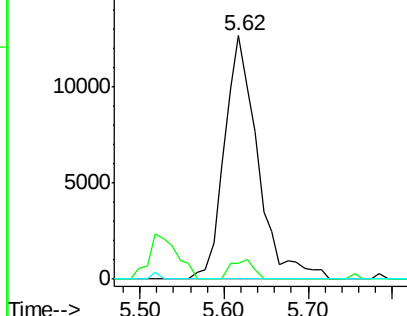


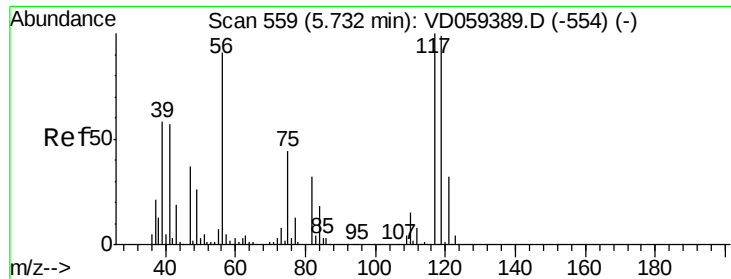
#36
1,1-Dichloropropene
Concen: 6.942 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.13 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	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: 6.021 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.12 min

Lab File: VD059497.D

Acq: 29 Jun 2018 17:46

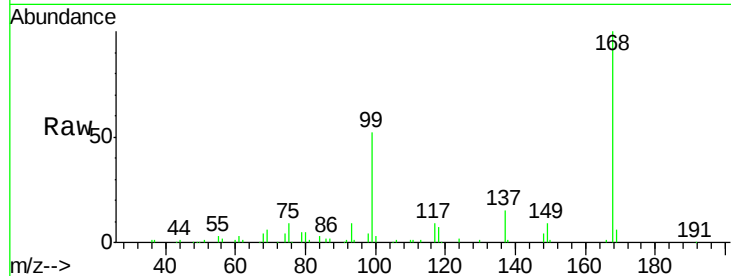
Tot Ion:117 Resp: 31107

Ion Ratio Lower Upper

117 100

119 4.0 76.6 115.0#

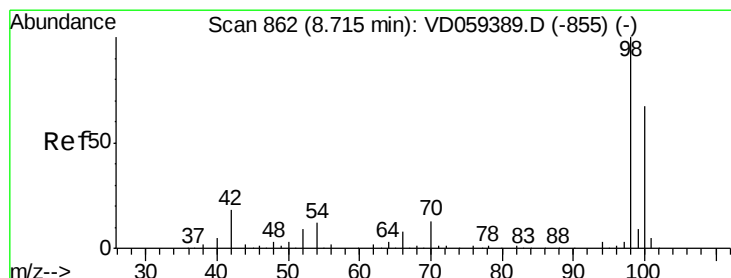
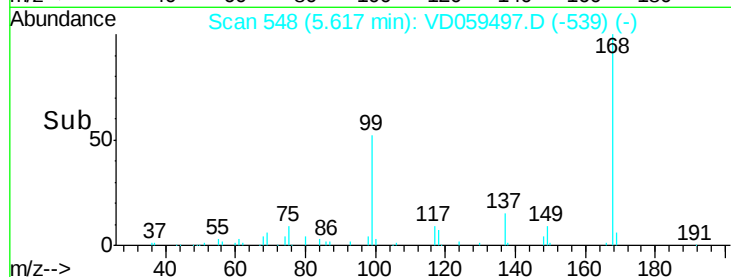
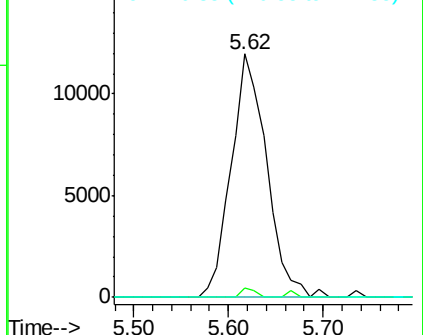
121 0.0 25.0 37.4#



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: 8.69 min Scan# 860

Delta R.T. -0.03 min

Lab File: VD059497.D

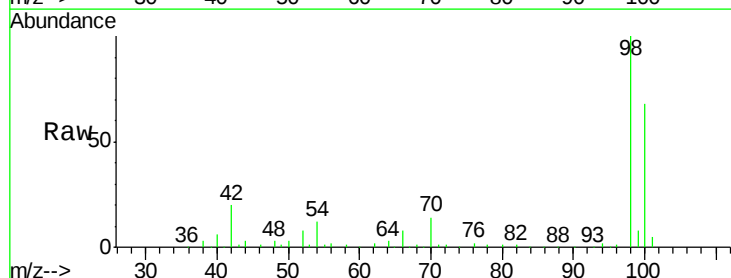
Acq: 29 Jun 2018 17:46

Tgt Ion: 98 Resp: 563242

Ion Ratio Lower Upper

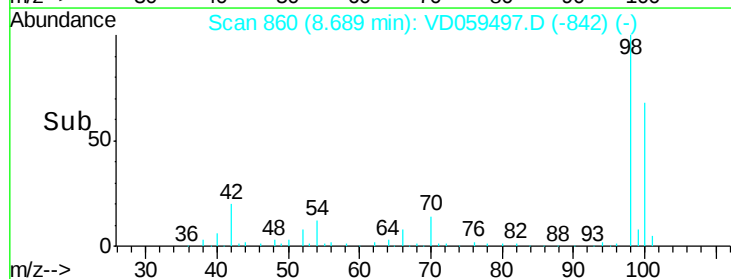
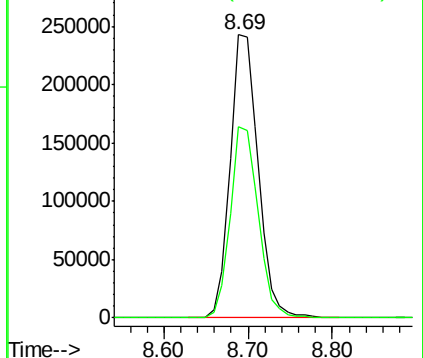
98 100

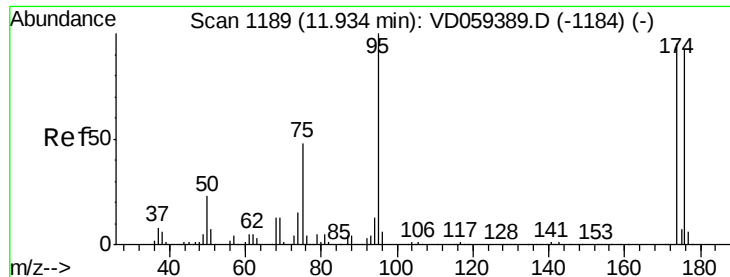
100 67.8 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): V

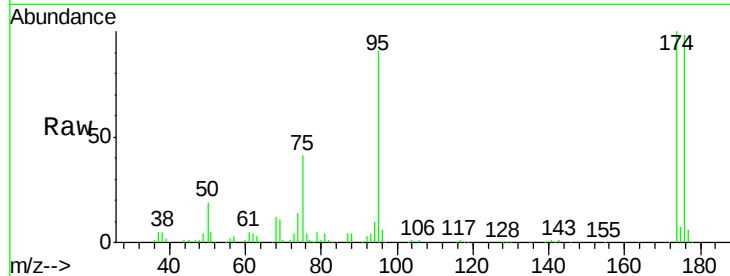
Ion 100.05 (99.75 to 100.75): V





#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

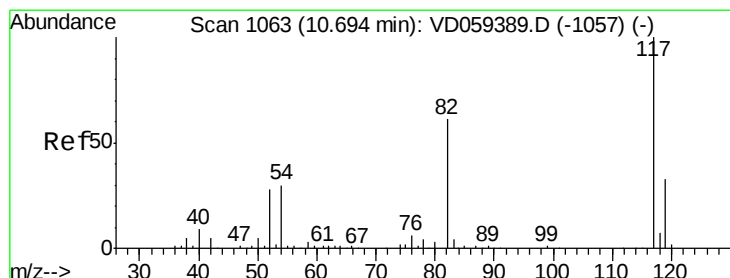
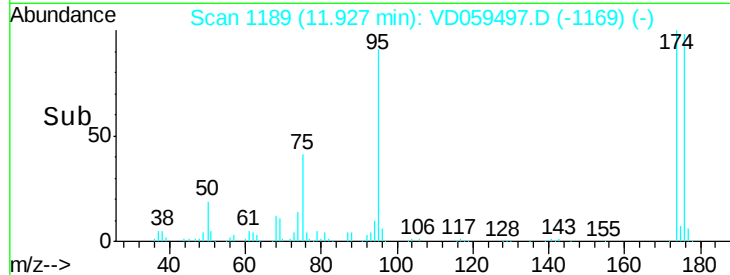
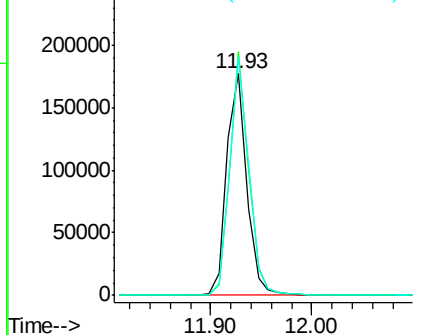
Tot Ion	95	Resp	244767
Ion Ratio	100		
Lower			
Upper			
95	100		
174	109.8	0.0	190.4
176	107.5	0.0	183.2



Abundance Ion 95.00 (94.70 to 95.70): V

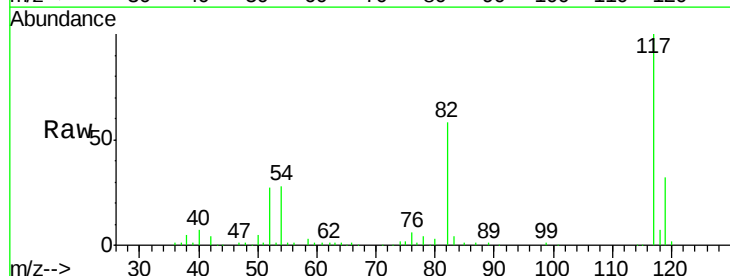
Ion 173.90 (173.60 to 174.60): V

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. -0.02 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

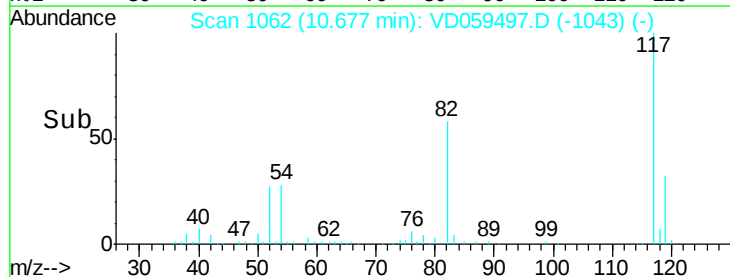
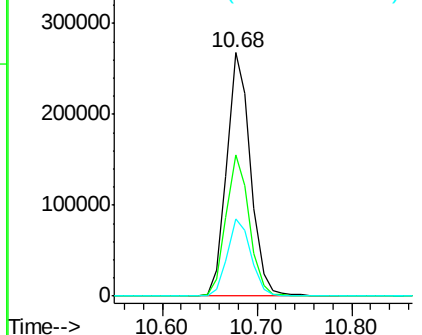
Tgt Ion	117	Resp	465267
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
117	100		
82	57.8	49.0	73.6
119	31.7	26.2	39.4

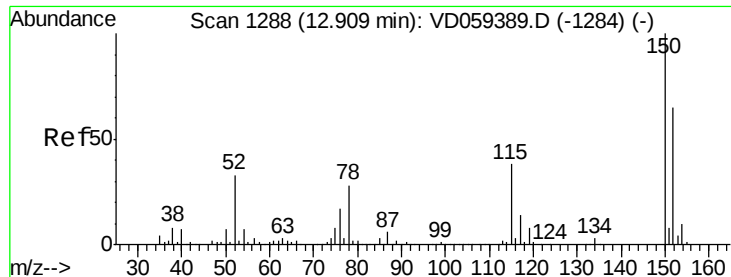


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

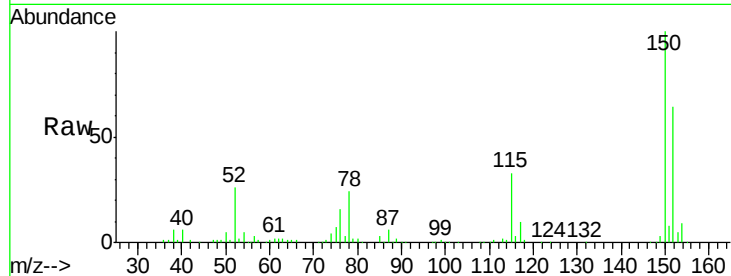




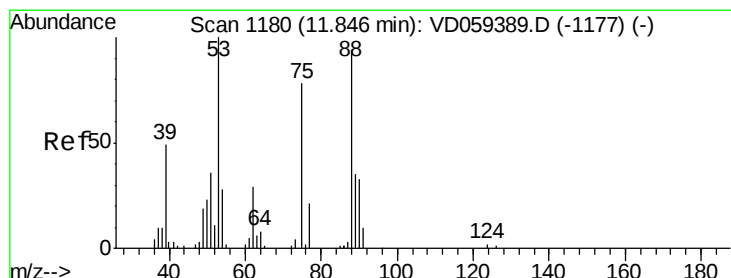
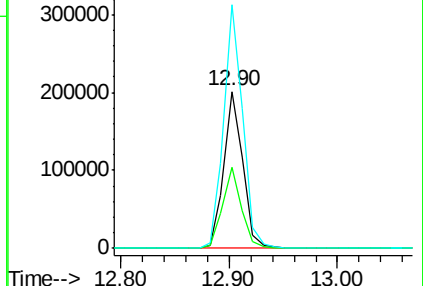
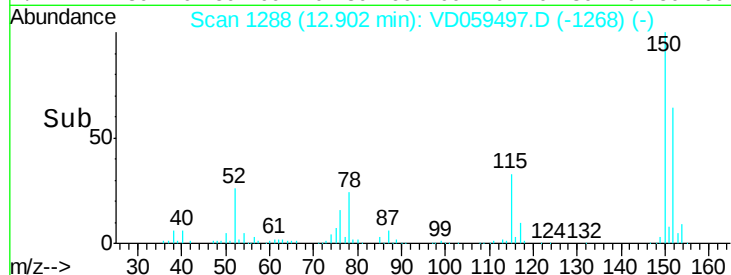
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

Tot Ion	Ratio	Lower	Upper
152	100		
115	51.3	29.4	88.3
150	155.2	0.0	308.2



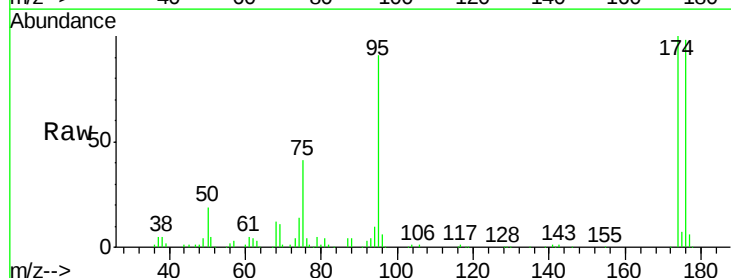
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 152.193 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.08 min
Lab File: VD059497.D
Acq: 29 Jun 2018 17:46

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

