

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062918\
 Data File : VD059502.D
 Acq On : 29 Jun 2018 20:08
 Operator : VA/AP
 Sample : J3774-01
 Misc : 5.84g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 00:27:39 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	19986	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	30750	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	31097	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	16265	50.00	ug/l	0.00

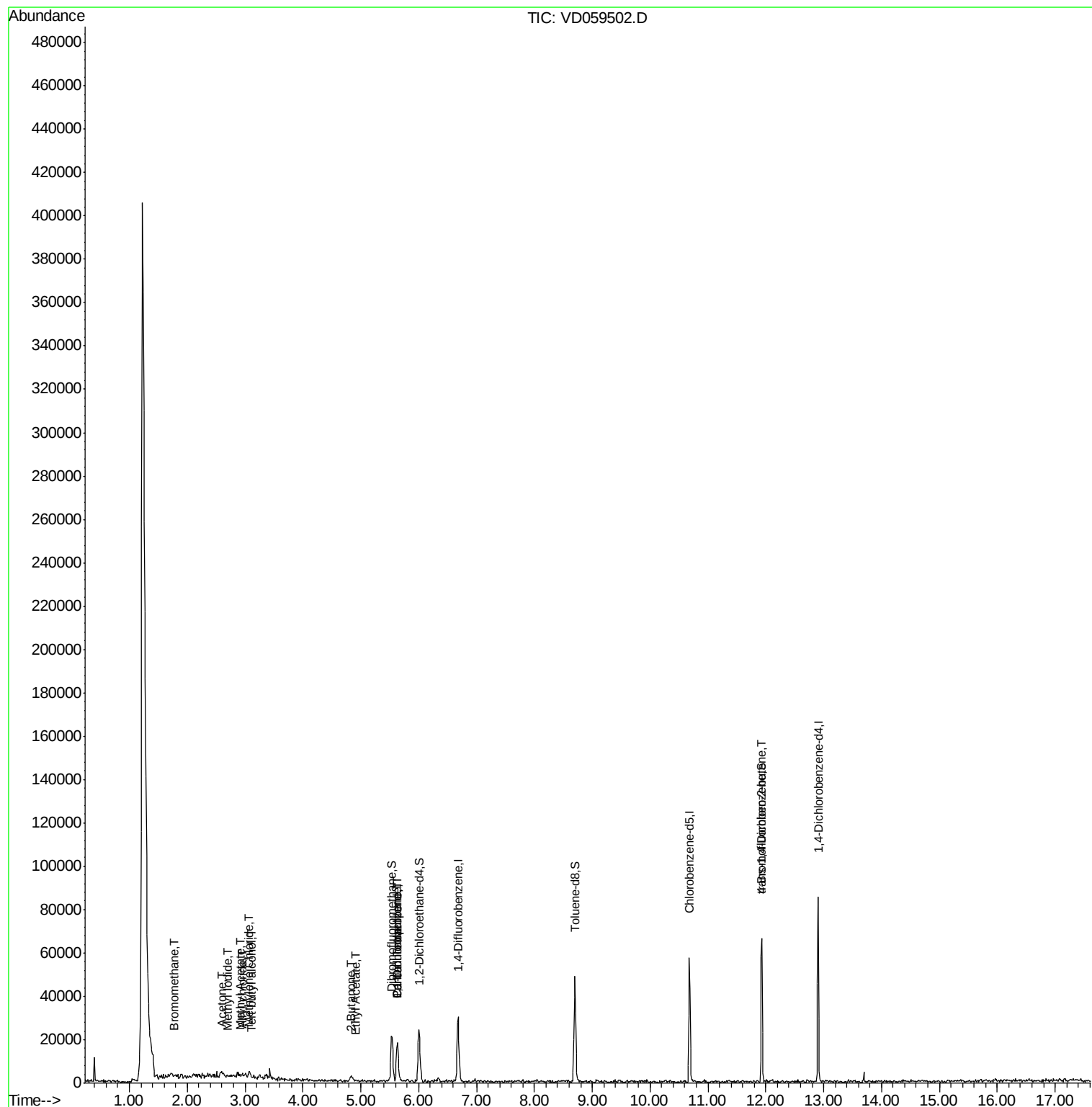
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	23027	112.66	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	225.32%	
35) Dibromofluoromethane	5.53	113	18818	75.13	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	150.26%	
50) Toluene-d8	8.70	98	36424	62.21	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	124.42%	
62) 4-Bromofluorobenzene	11.93	95	18580	76.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	152.58%	

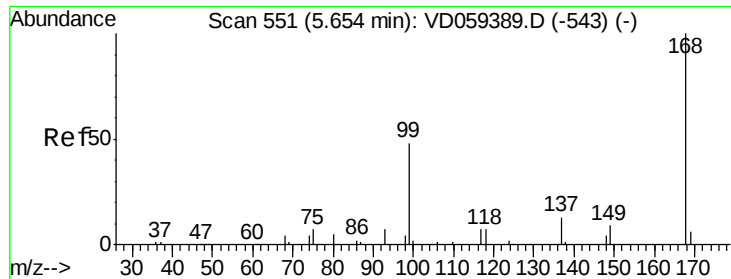
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.77	94	447	11.117	ug/l #	4
10) Methyl Iodide	2.70	142	207	2.060	ug/l #	29
11) Tert butyl alcohol	3.12	59	209	29.559	ug/l #	72
14) Allyl chloride	2.94	41	219	1.453	ug/l #	72
16) Acetone	2.60	43	3132	121.418	ug/l #	90
18) Methyl Acetate	2.92	43	377	2.308	ug/l #	66
20) Methylene Chloride	3.06	84	385	3.038	ug/l #	12
25) 2-Butanone	4.84	43	405	7.495	ug/l #	57
36) 1,1-Dichloropropene	5.63	75	1559	5.589	ug/l #	44
37) Ethyl Acetate	4.91	43	179	1.054	ug/l #	69
38) Carbon Tetrachloride	5.62	117	1528	5.313	ug/l #	12
81) trans-1,4-Dichloro-2-buten	11.92	75	9200	180.417	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059502.D

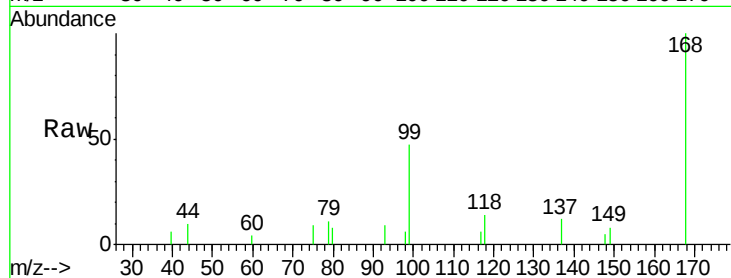
Acq: 29 Jun 2018 20:08

Tot Ion: 168 Resp: 19986

Ion Ratio Lower Upper

168 100

99 47.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

8000

6000

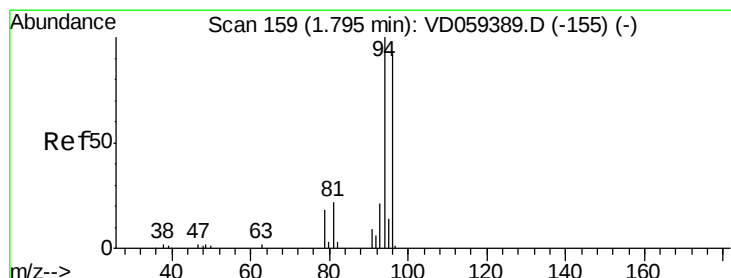
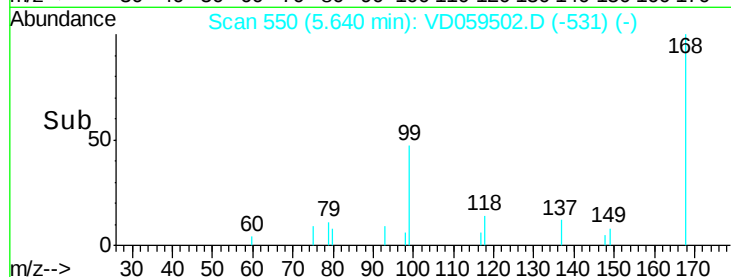
4000

2000

0

5.60 5.70

Time-->



#5

Bromomethane

Concen: 11.117 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.02 min

Lab File: VD059502.D

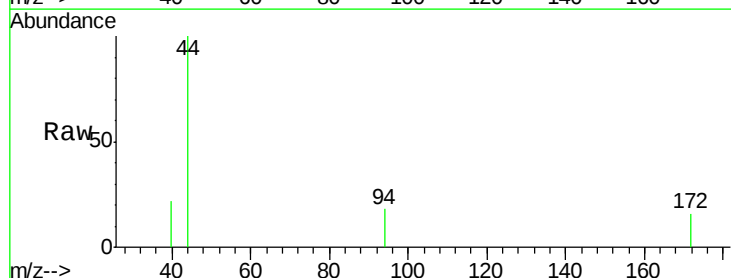
Acq: 29 Jun 2018 20:08

Tgt Ion: 94 Resp: 447

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

1.77

400

300

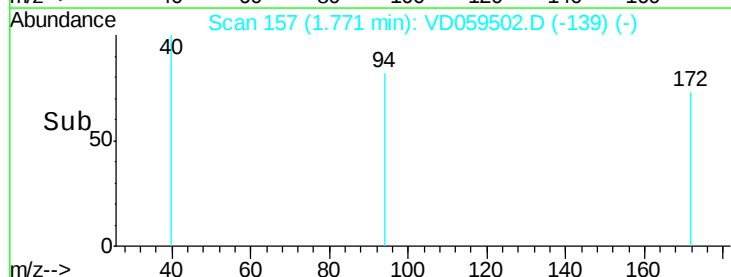
200

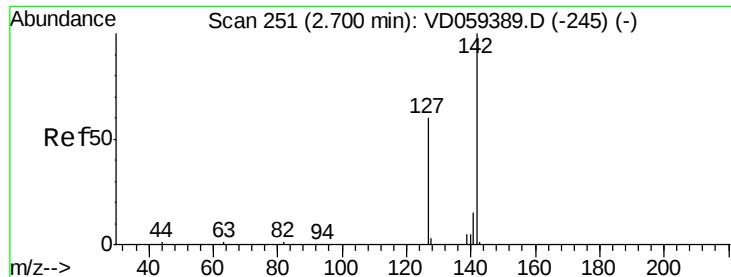
100

0

1.72 1.74 1.76 1.78 1.80

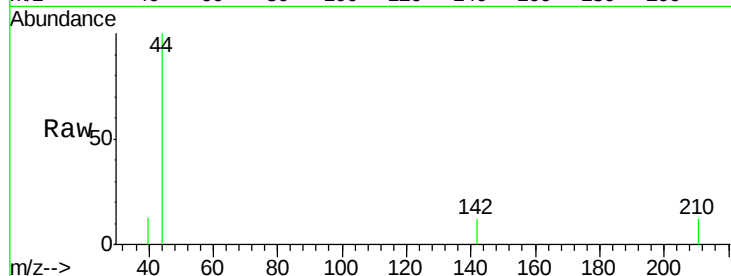
Time-->



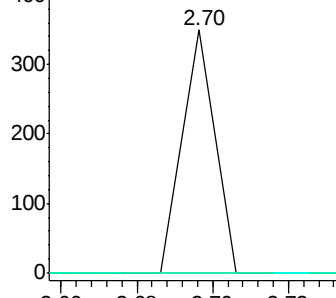


#10
Methvl Iodide
Concen: 2.060 ug/l
RT: 2.70 min Scan# 251
Delta R.T. -0.00 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

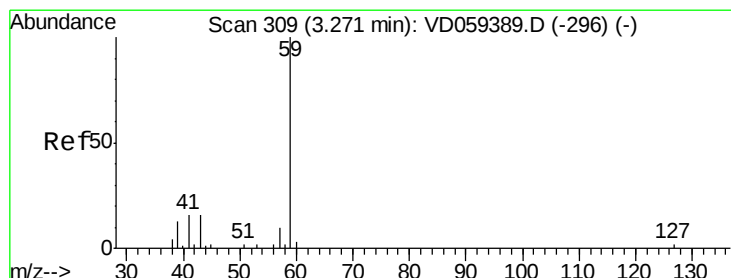
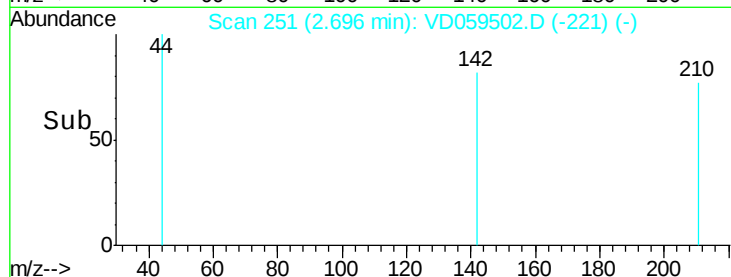
Tot Ion:142 Resp: 207
Ion Ratio Lower Upper
142 100
127 0.0 48.4 72.6#
141 0.0 12.1 18.1#



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

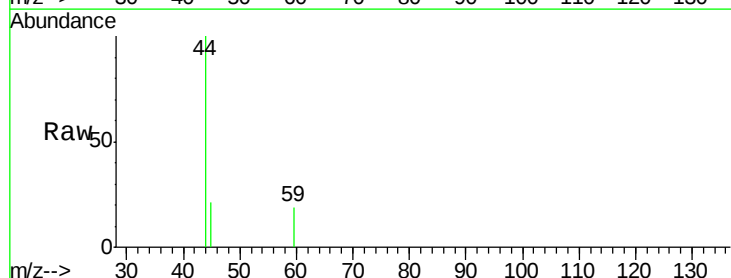


Time-->

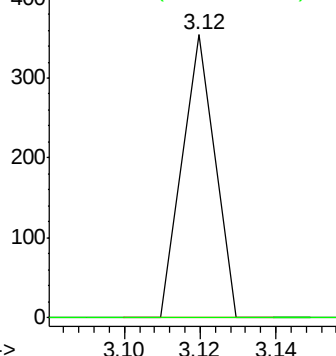


#11
Tert butyl alcohol
Concen: 29.559 ug/l
RT: 3.12 min Scan# 294
Delta R.T. -0.15 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

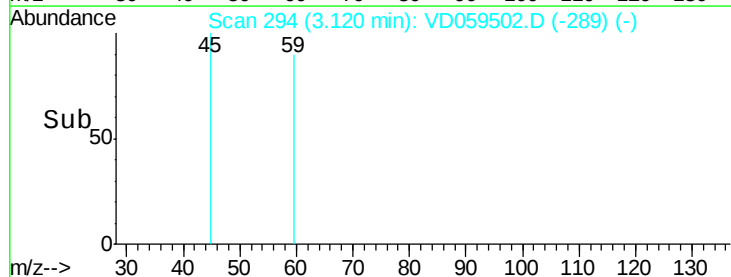
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

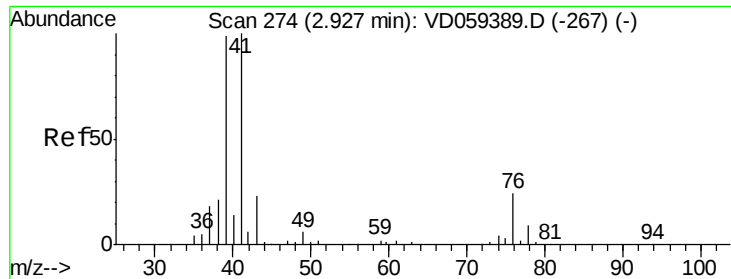


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



Time-->





#14

Allvl chloride

Concen: 1.453 ug/l

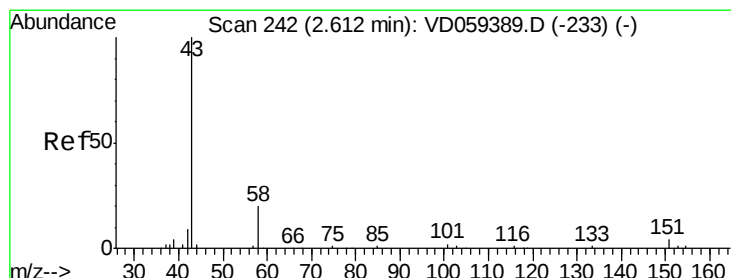
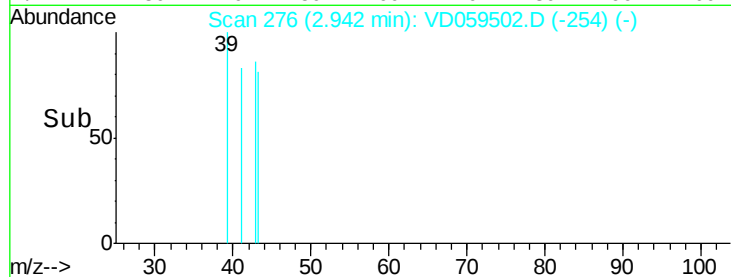
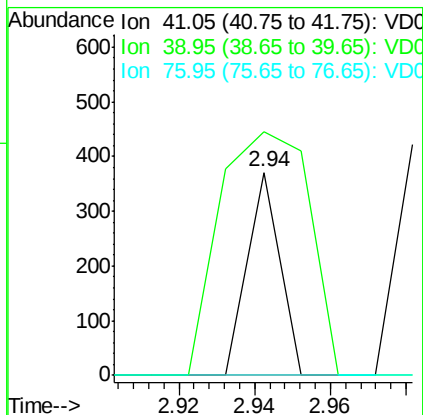
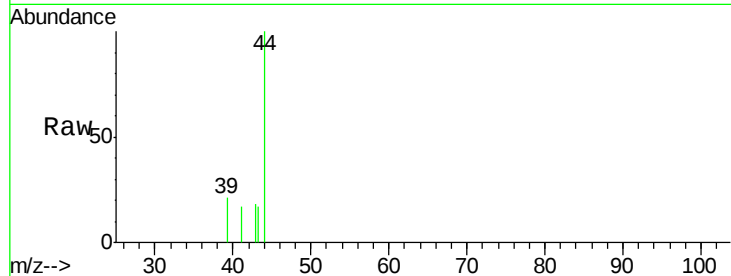
RT: 2.94 min Scan# 276

Delta R.T. 0.02 min

Lab File: VD059502.D

Acq: 29 Jun 2018 20:08

Tot Ion:	41	Resp:	219
Ion	Ratio	Lower	Upper
41	100		
39	119.9	79.1	118.7#
76	0.0	21.9	32.9#



#16

Acetone

Concen: 121.418 ug/l

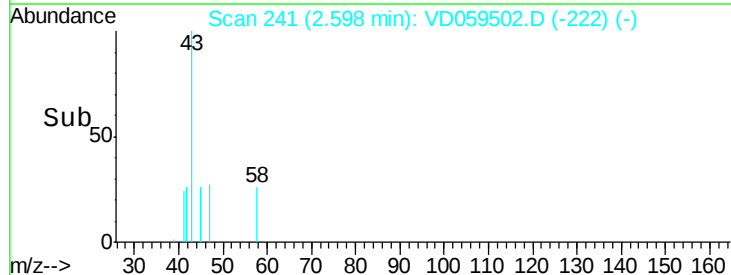
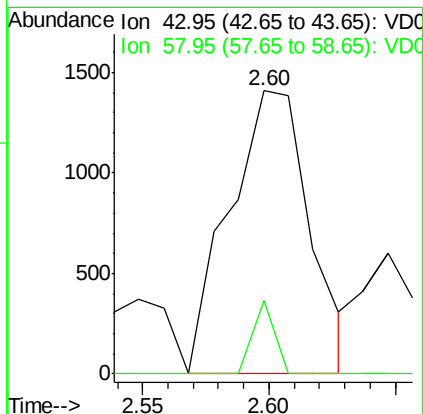
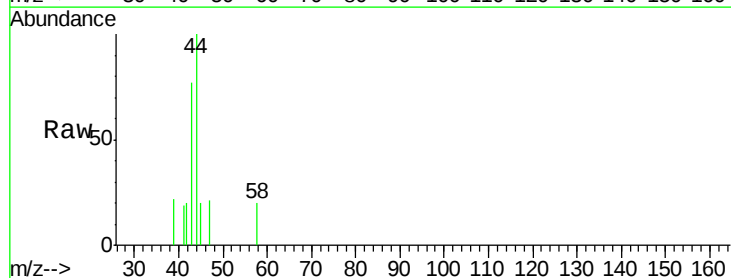
RT: 2.60 min Scan# 241

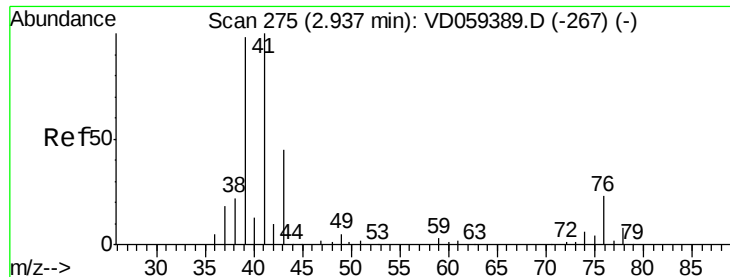
Delta R.T. -0.01 min

Lab File: VD059502.D

Acq: 29 Jun 2018 20:08

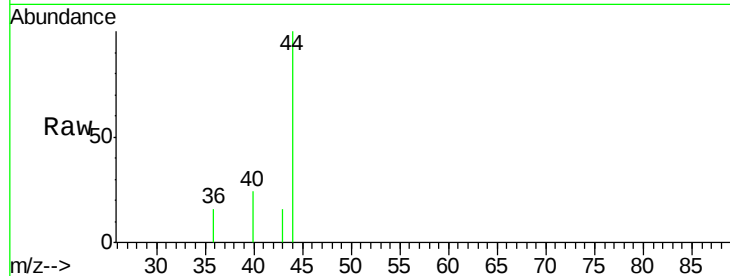
Tgt Ion:	43	Resp:	3132
Ion	Ratio	Lower	Upper
43	100		
58	25.9	16.8	25.2#



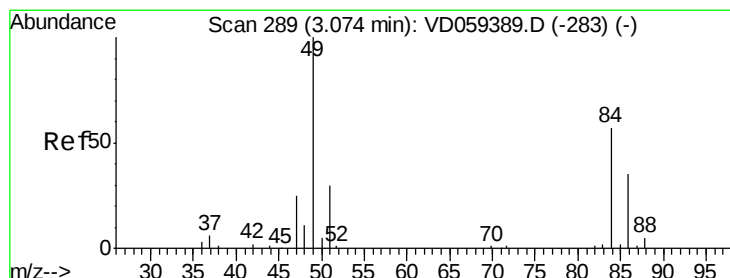
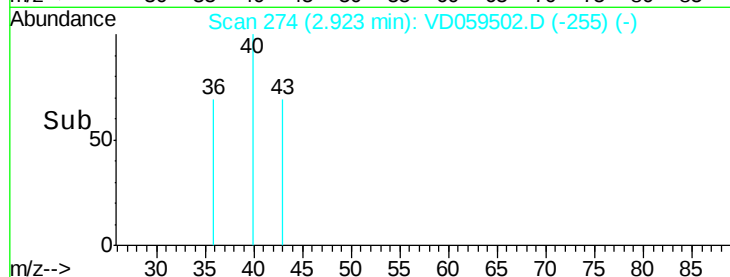
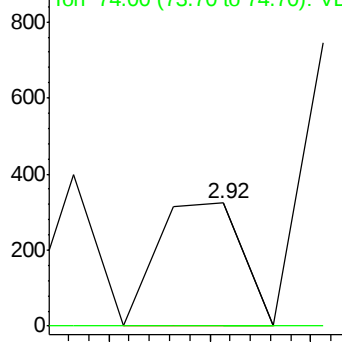


#18
Methyl Acetate
Concen: 2.308 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.01 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tot Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#

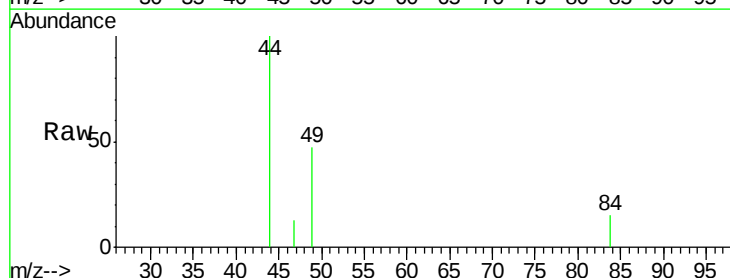


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

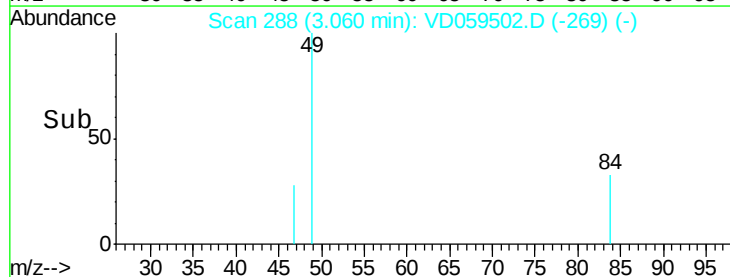
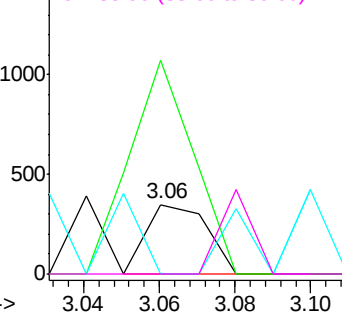


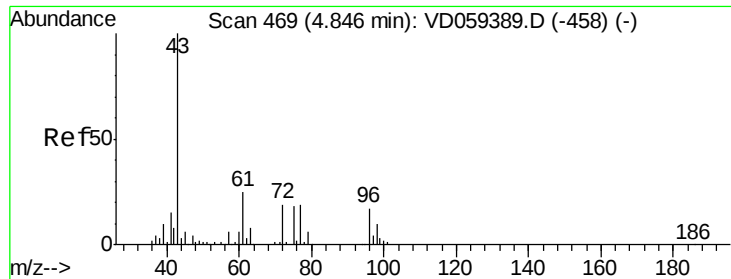
#20
Methylene Chloride
Concen: 3.038 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tgt Ion: 84 Resp: 385
Ion Ratio Lower Upper
84 100
49 306.9 140.3 210.5#
51 0.0 41.6 62.4#
86 0.0 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: 7.495 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD059502.D

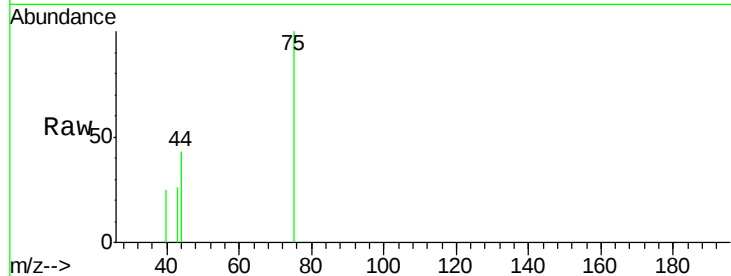
Acq: 29 Jun 2018 20:08

Tot Ion: 43 Resp: 405

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

4.84

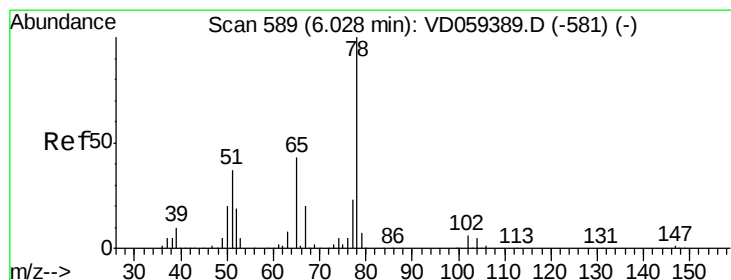
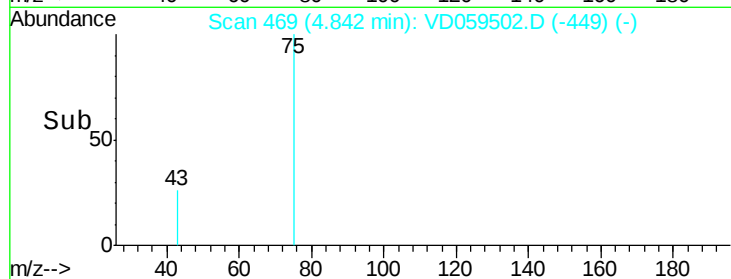
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.02 min

Lab File: VD059502.D

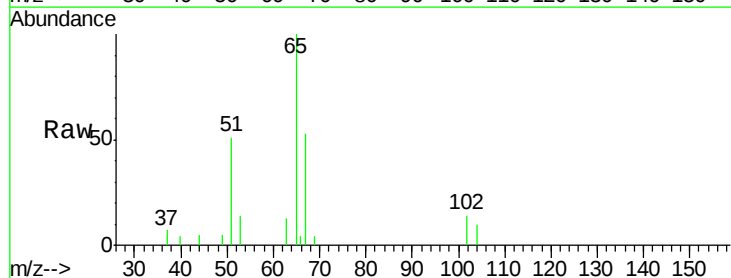
Acq: 29 Jun 2018 20:08

Tgt Ion: 65 Resp: 23027

Ion Ratio Lower Upper

65 100

67 52.8 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

10000

8000

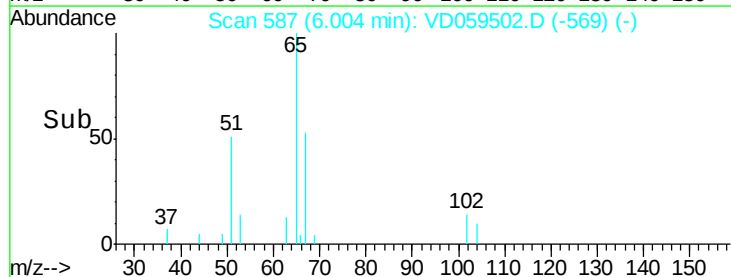
6000

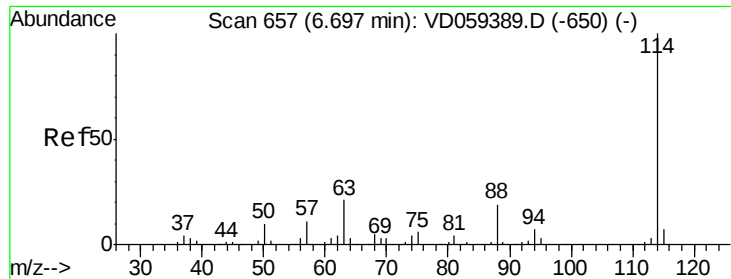
4000

2000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.01 min

Lab File: VD059502.D

Acq: 29 Jun 2018 20:08

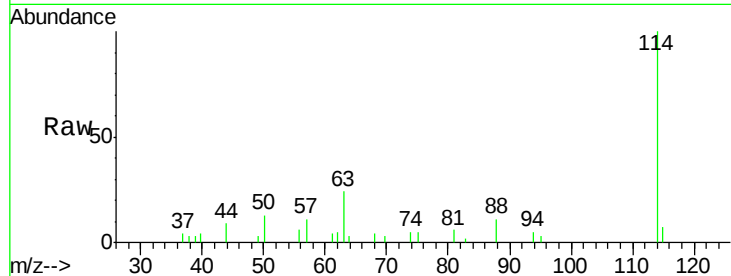
Tot Ion:114 Resp: 30750

Ion Ratio Lower Upper

114 100

63 23.5 0.0 42.4

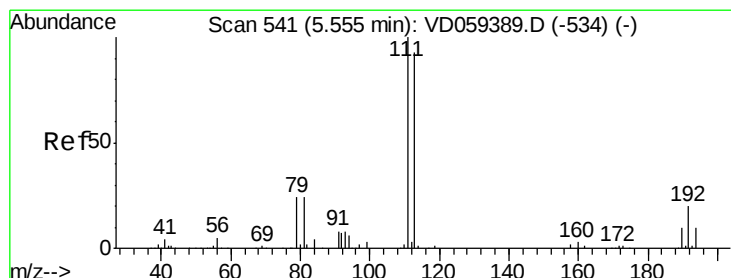
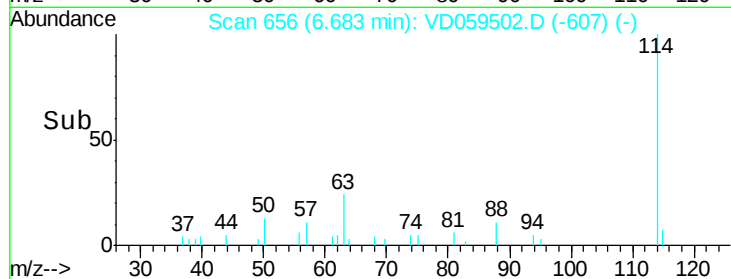
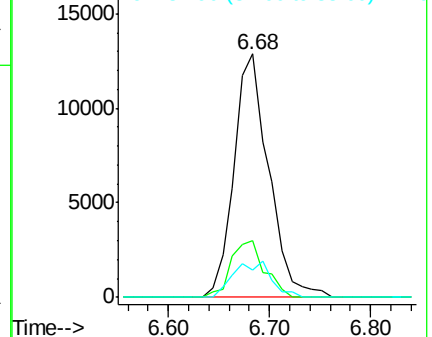
88 11.0 0.0 38.0



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: VD059502.D

Acq: 29 Jun 2018 20:08

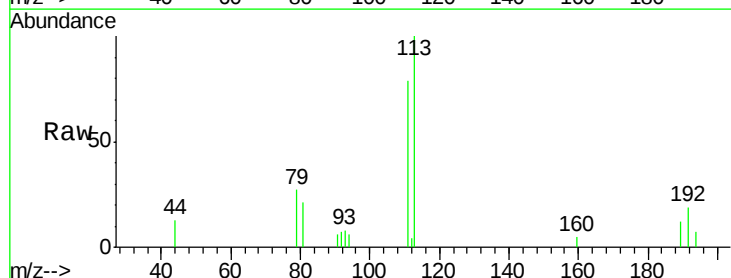
Tgt Ion:113 Resp: 18818

Ion Ratio Lower Upper

113 100

111 78.9 85.7 128.5#

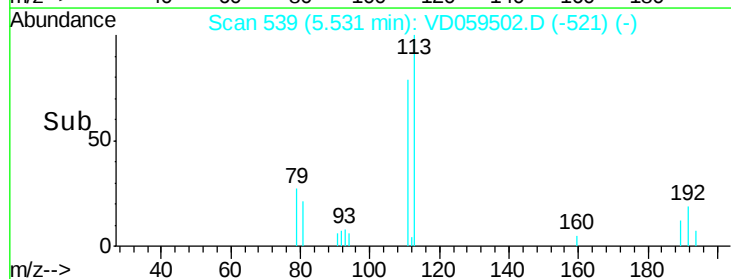
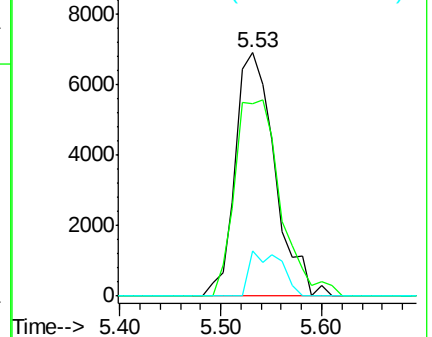
192 18.5 16.9 25.3

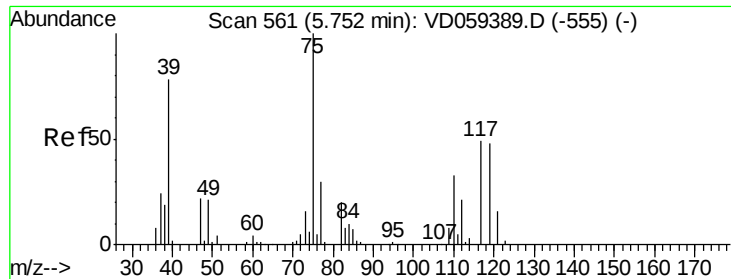


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

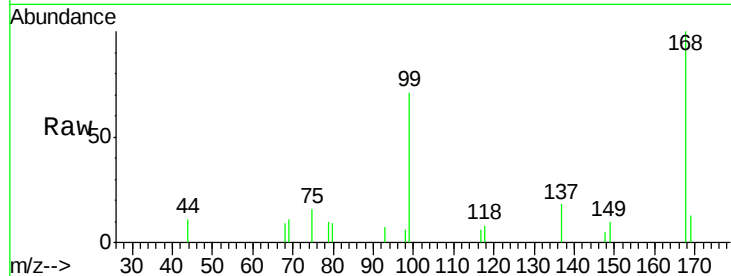
Ion 191.80 (191.50 to 192.50): V



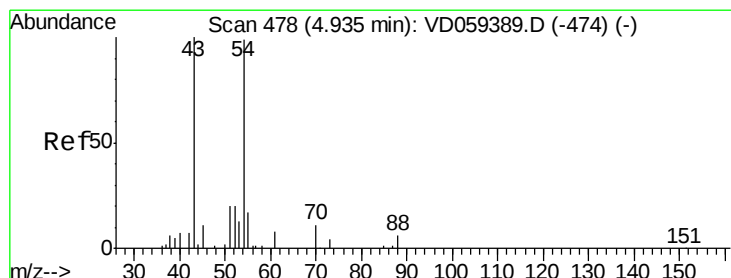
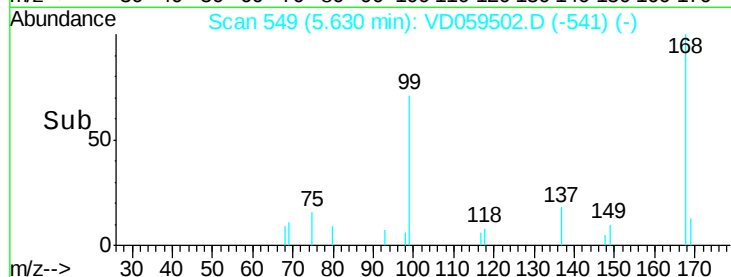
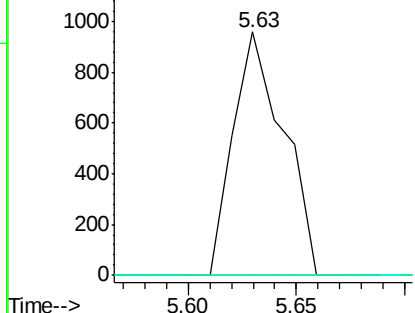


#36
 1,1-Dichloropropene
 Concen: 5.589 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.12 min
 Lab File: VD059502.D
 Acq: 29 Jun 2018 20:08

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

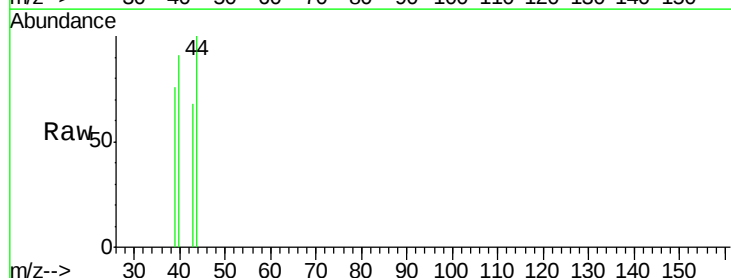


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

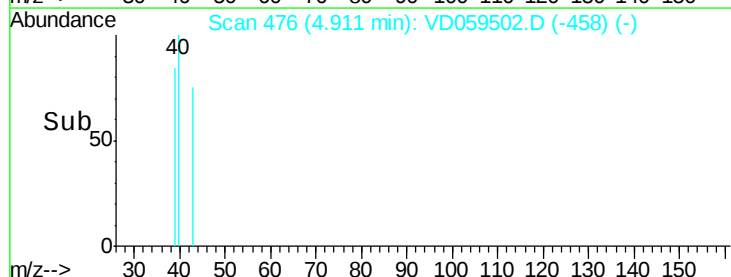
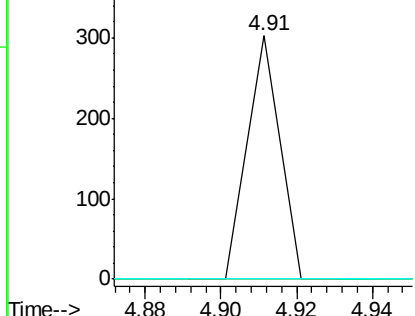


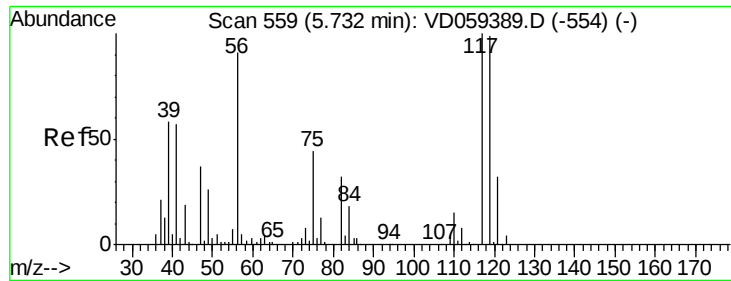
#37
 Ethyl Acetate
 Concen: 1.054 ug/l
 RT: 4.91 min Scan# 476
 Delta R.T. -0.02 min
 Lab File: VD059502.D
 Acq: 29 Jun 2018 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	6.1	9.1#



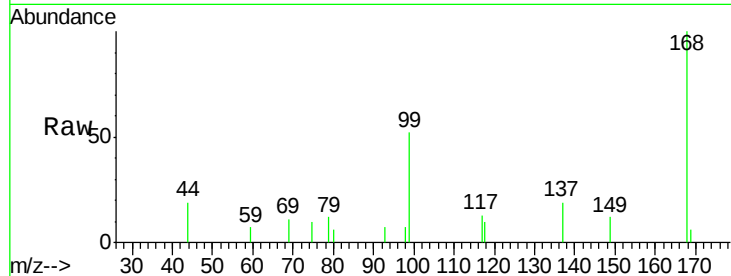
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC



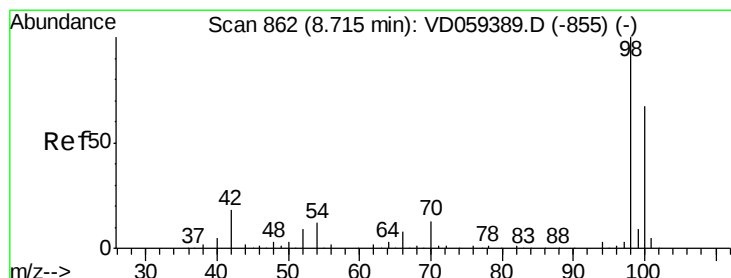
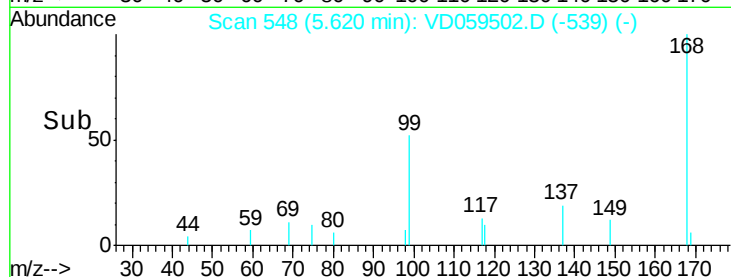
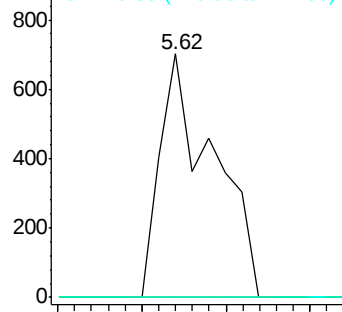


#38
Carbon Tetrachloride
Concen: 5.313 ug/l
RT: 5.62 min Scan# 548
Delta R.T. -0.11 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tot Ion:117 Resp: 1528
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 25.0 37.4#

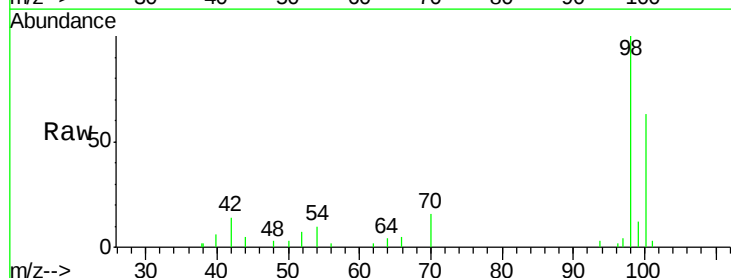


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

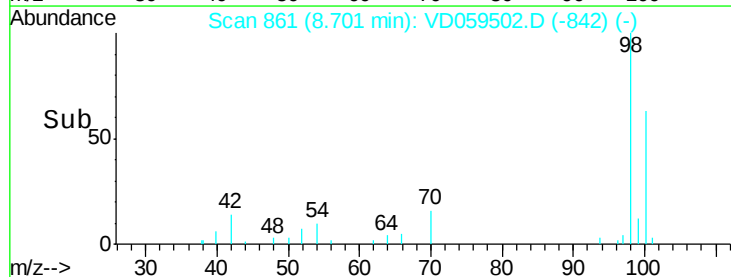
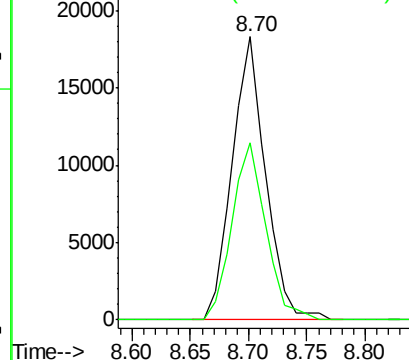


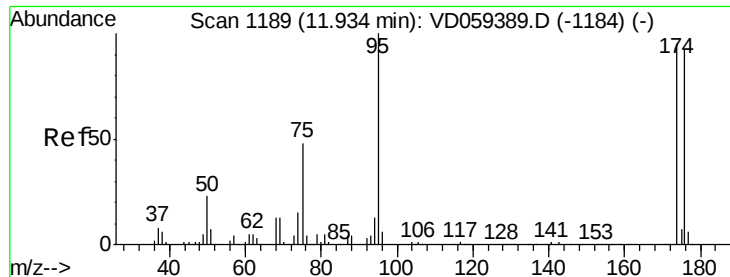
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tgt Ion: 98 Resp: 36424
Ion Ratio Lower Upper
98 100
100 62.5 54.4 81.6



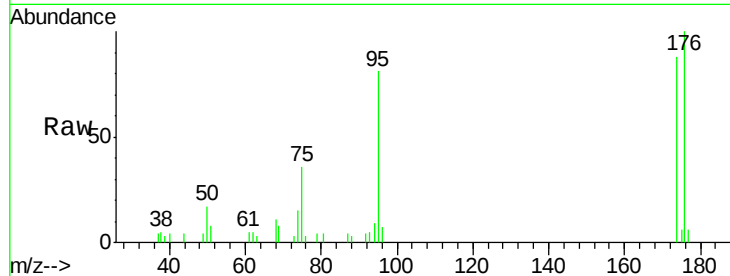
Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



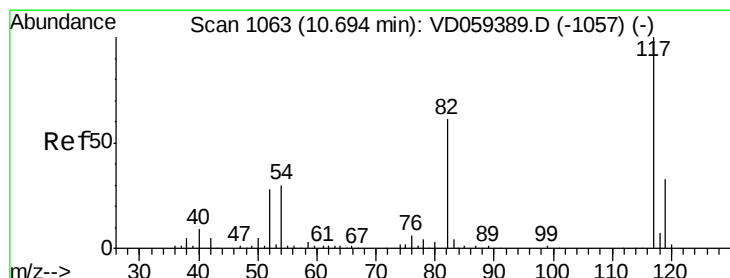
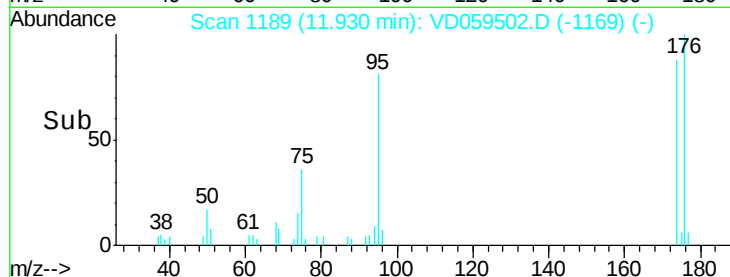
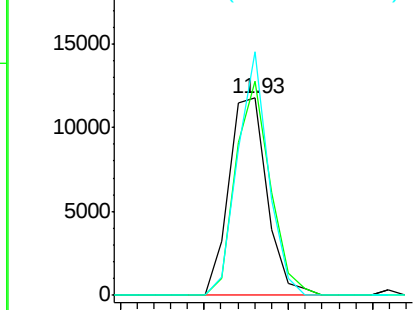


#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tot Ion: 95 Resp: 18580
Ion Ratio Lower Upper
95 100
174 108.5 0.0 190.4
176 123.6 0.0 183.2

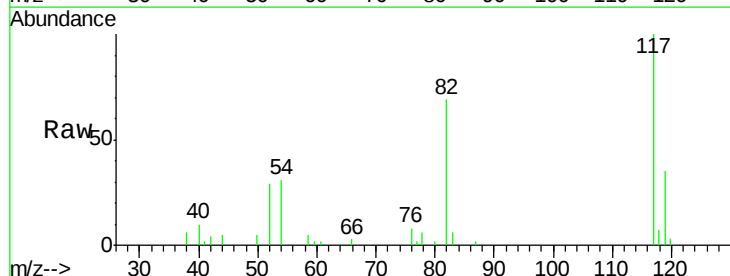


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

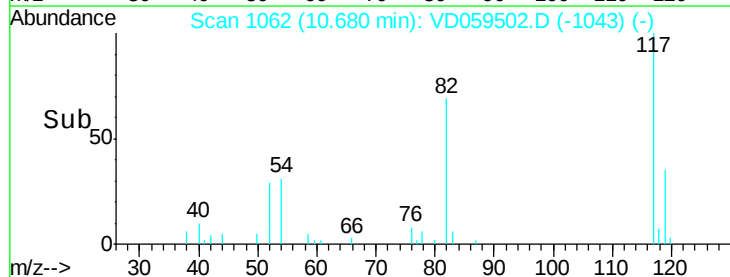
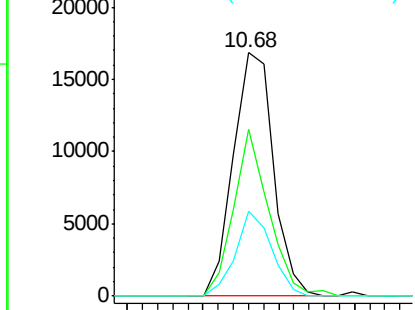


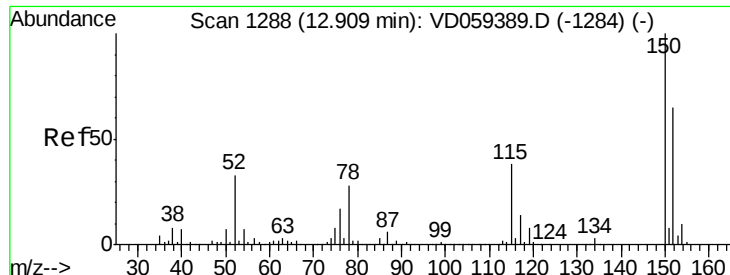
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tgt Ion: 117 Resp: 31097
Ion Ratio Lower Upper
117 100
82 68.7 49.0 73.6
119 34.7 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

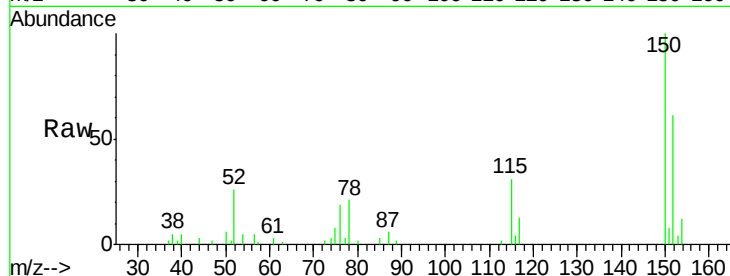




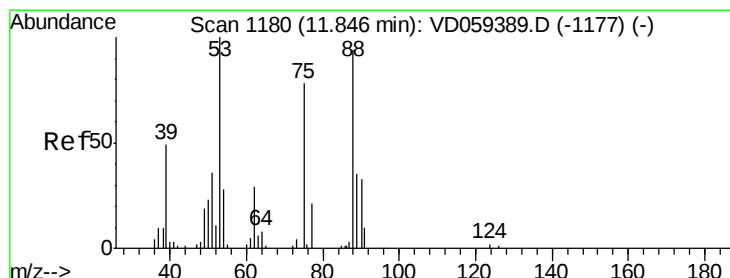
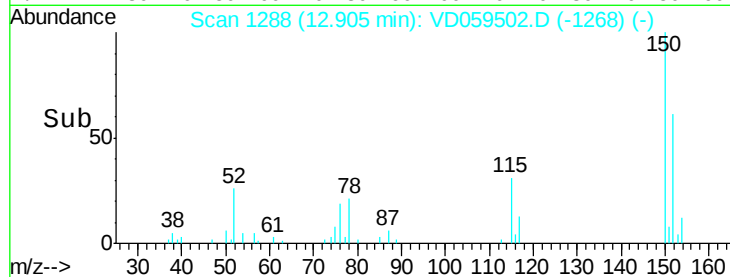
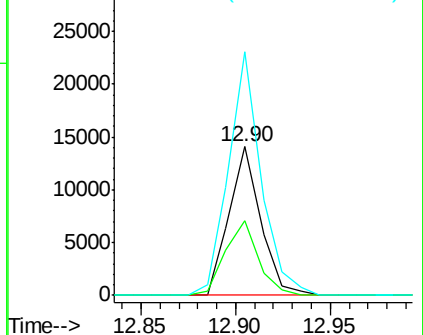
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.5	29.4	88.3
150	164.0	0.0	308.2



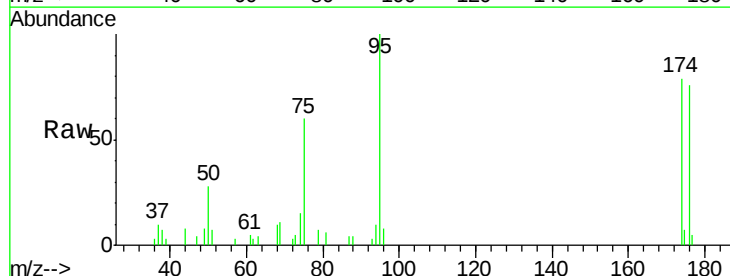
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 180.417 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. 0.07 min
Lab File: VD059502.D
Acq: 29 Jun 2018 20:08

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

