

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060126.D
 Acq On : 4 Oct 2018 11:58
 Operator : VA/AP
 Sample : VD1004SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 04 15:32:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1665503	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2252359	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1829502	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	952180	50.00	ug/l	0.02

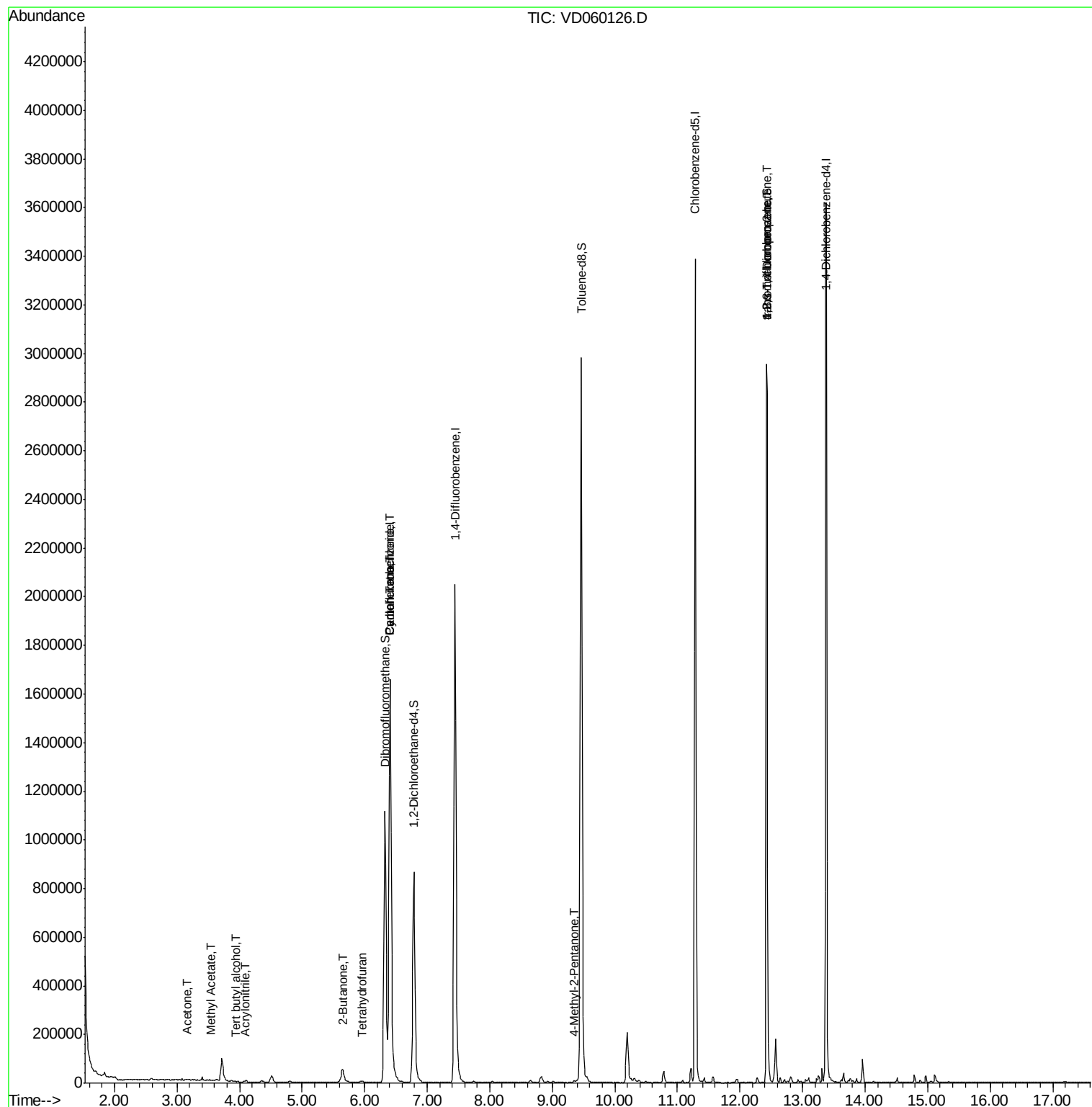
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	671724	53.21	ug/l	0.03
Spiked Amount 50.000			Recovery	=	106.42%	
35) Dibromofluoromethane	6.32	113	890962	52.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.18%	
50) Toluene-d8	9.46	98	2510501	51.47	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.43	95	937813	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	

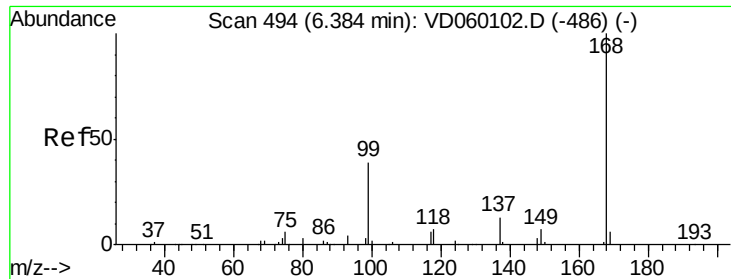
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.94	59	2243	2.477	ug/l #	74
15) Acrylonitrile	4.08	53	3849	1.027	ug/l	95
16) Acetone	3.16	43	11880	5.186	ug/l	97
18) Methyl Acetate	3.56	43	6287	1.277	ug/l #	63
20) Methylene Chloride	3.72	84	54431	Below Cal		90
25) 2-Butanone	5.64	43	8271	1.445	ug/l #	59
29) Tetrahydrofuran	5.96	42	5843	1.758	ug/l #	73
31) Cyclohexane	6.40	56	33775	1.235	ug/l #	1
38) Carbon Tetrachloride	6.40	117	133325	6.825	ug/l #	15
51) 4-Methyl-2-Pentanone	9.35	43	12063	1.018	ug/l	96
76) 1,2,3-Trichloropropane	12.43	75	371071	27.061	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	374392	97.168	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060126.D

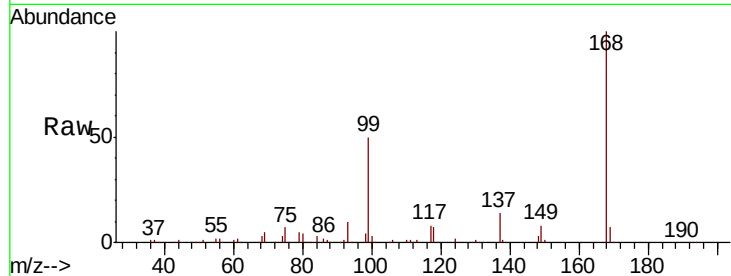
Acq: 4 Oct 2018 11:58

Tot Ion:168 Resp: 1665503

Ion Ratio Lower Upper

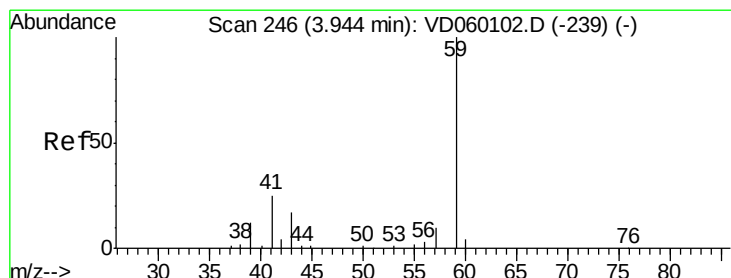
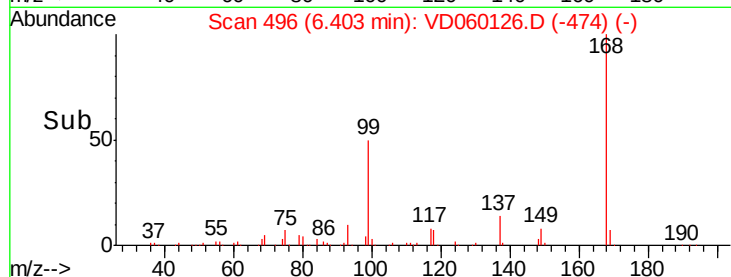
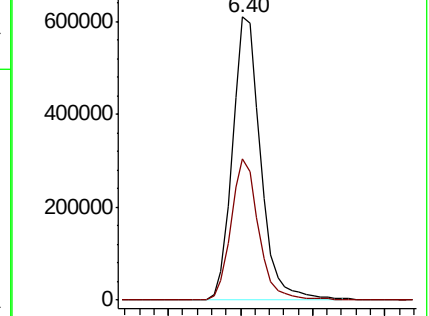
168 100

99 49.9 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.477 ug/l

RT: 3.94 min Scan# 246

Delta R.T. -0.00 min

Lab File: VD060126.D

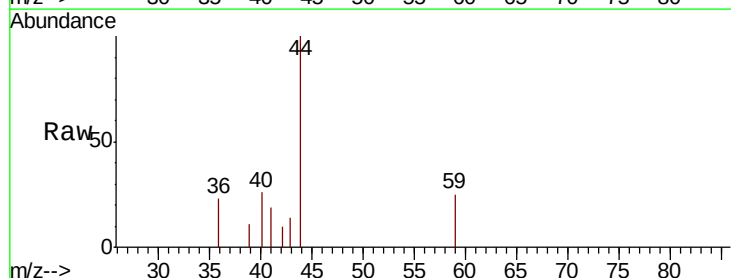
Acq: 4 Oct 2018 11:58

Tgt Ion: 59 Resp: 2243

Ion Ratio Lower Upper

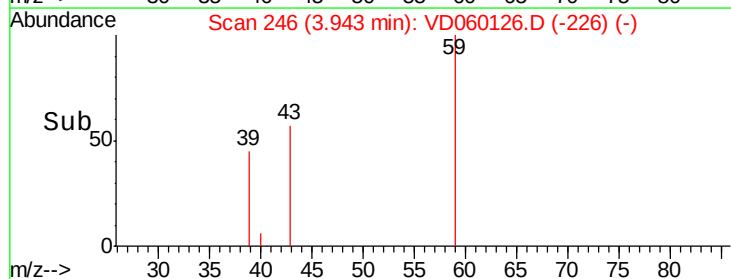
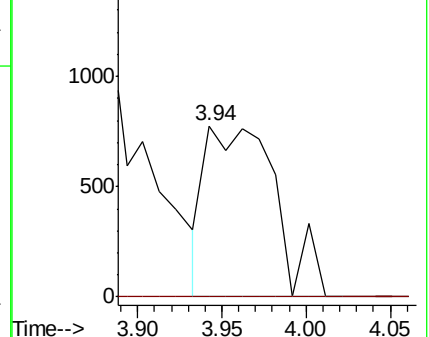
59 100

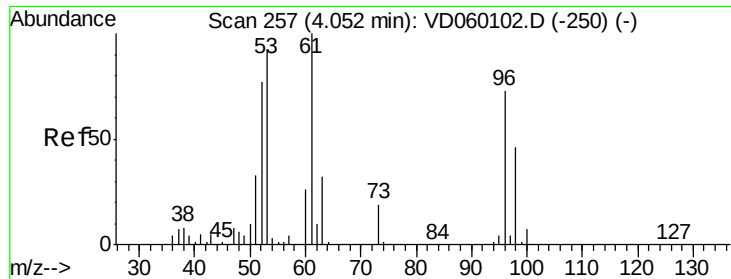
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#15

Acrylonitrile

Concen: 1.027 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060126.D

Acq: 4 Oct 2018 11:58

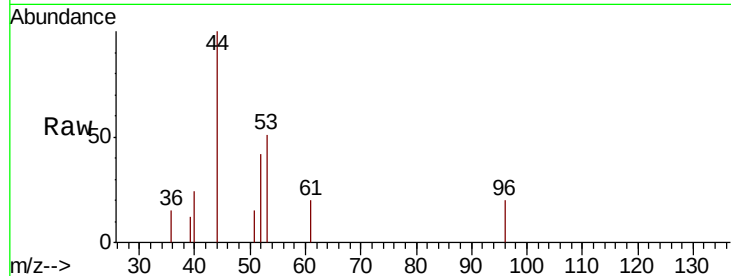
Tot Ion: 53 Resp: 3849

Ion Ratio Lower Upper

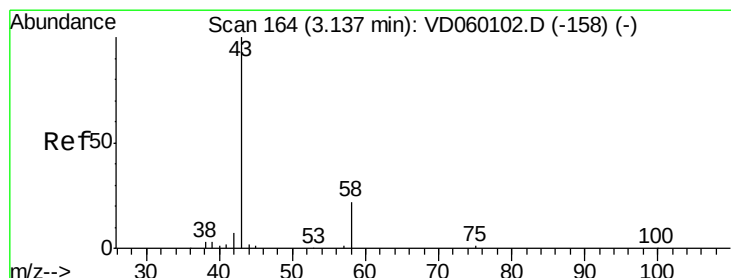
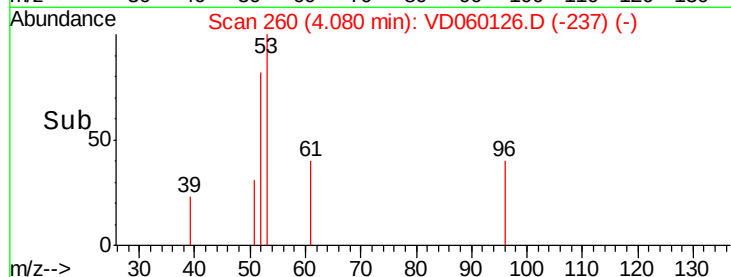
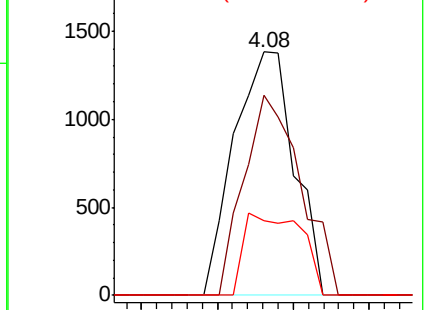
53 100

52 82.3 67.5 101.3

51 30.5 29.3 43.9



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: 5.186 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060126.D

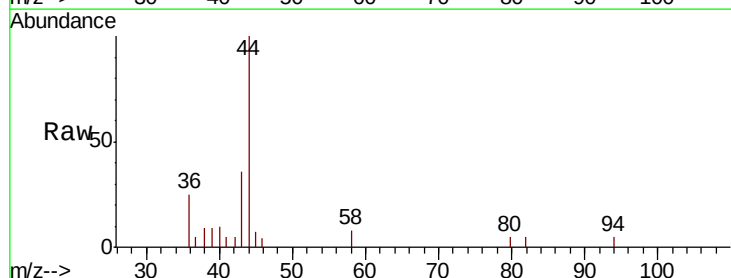
Acq: 4 Oct 2018 11:58

Tgt Ion: 43 Resp: 11880

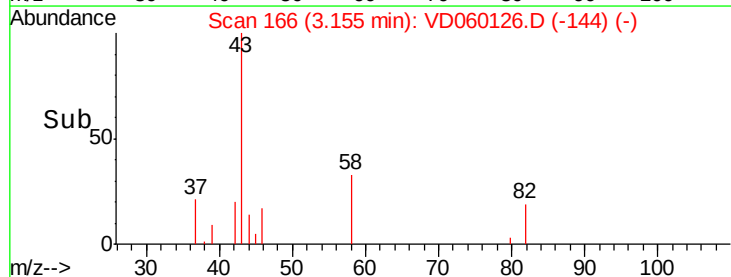
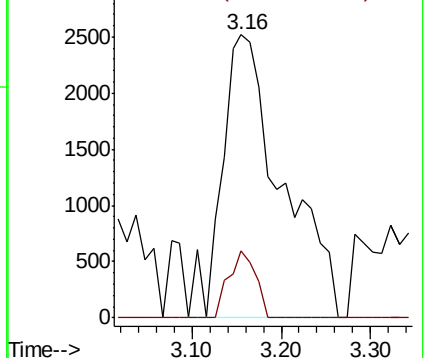
Ion Ratio Lower Upper

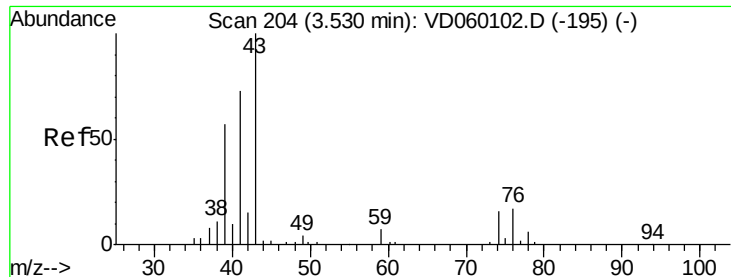
43 100

58 23.7 17.7 26.5



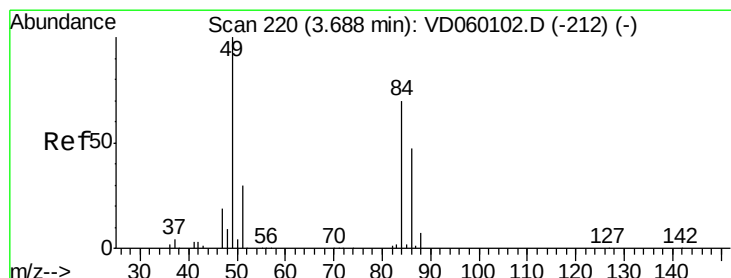
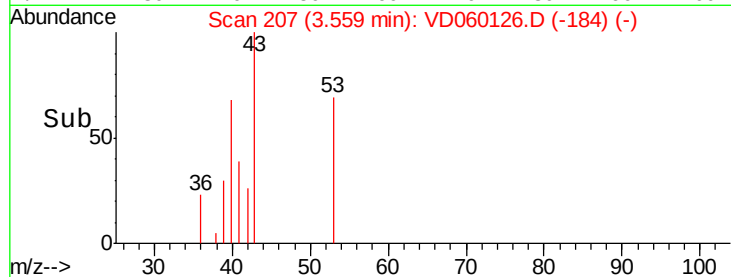
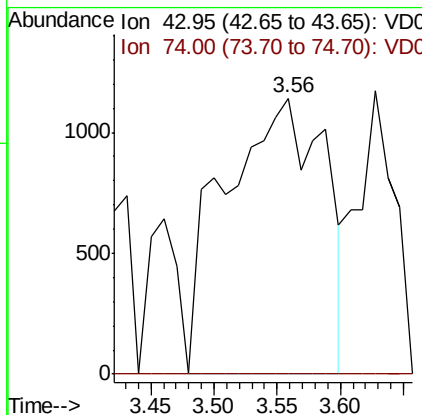
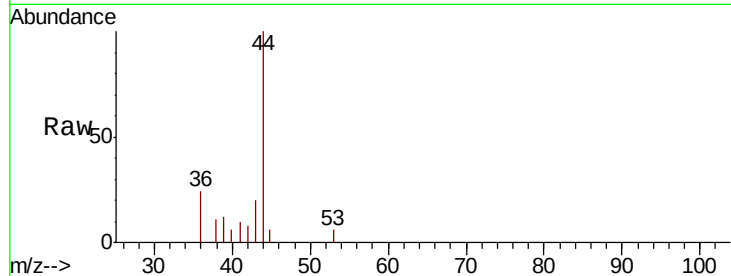
Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





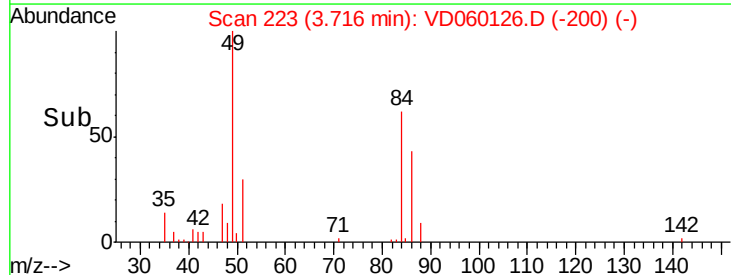
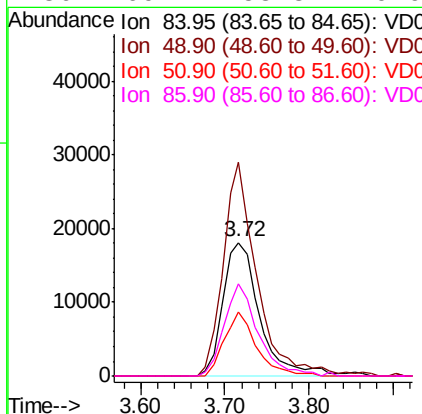
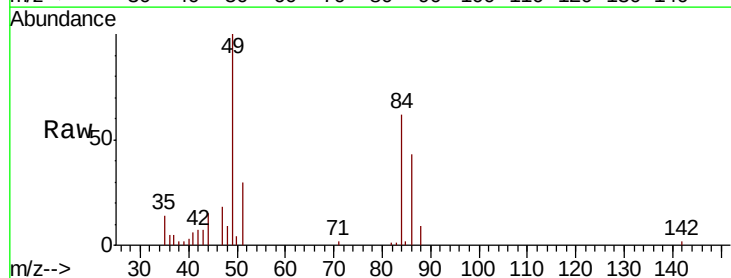
#18
Methyl Acetate
Concen: 1.277 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

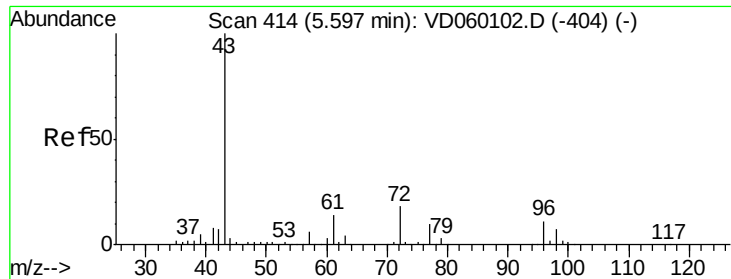
Tot Ion: 43 Resp: 6287
Ion Ratio Lower Upper
43 100
74 0.0 12.6 19.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

Tgt Ion: 84 Resp: 54431
Ion Ratio Lower Upper
84 100
49 160.3 114.6 172.0
51 47.8 33.8 50.8
86 69.1 53.3 79.9





#25

2-Butanone

Concen: 1.445 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.04 min

Lab File: VD060126.D

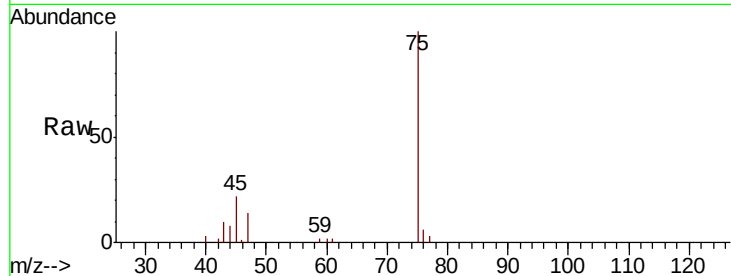
Acq: 4 Oct 2018 11:58

Tot Ion: 43 Resp: 8271

Ion Ratio Lower Upper

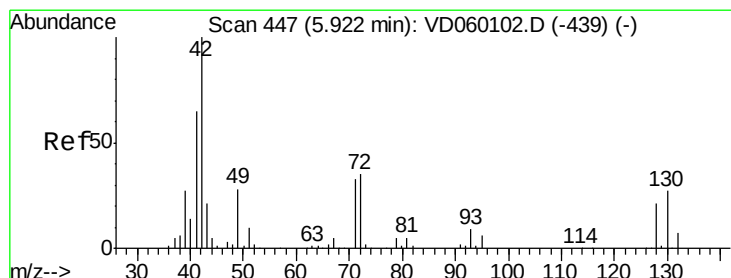
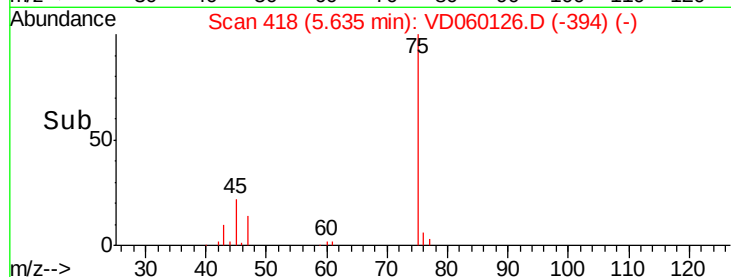
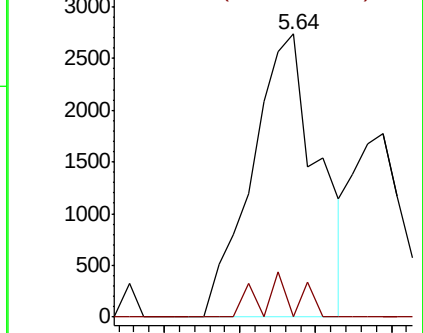
43 100

72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.758 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060126.D

Acq: 4 Oct 2018 11:58

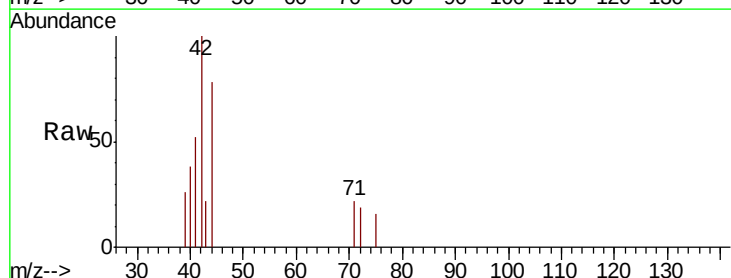
Tgt Ion: 42 Resp: 5843

Ion Ratio Lower Upper

42 100

72 14.0 26.9 40.3#

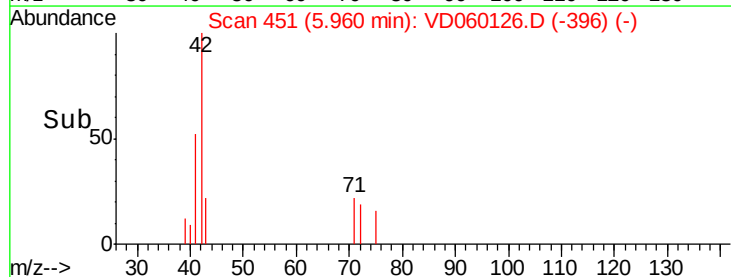
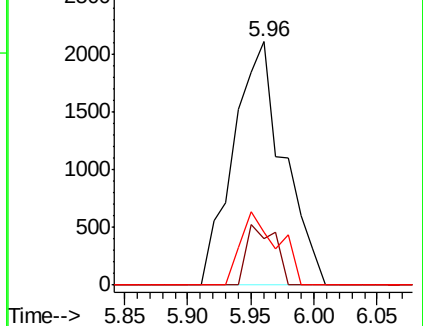
71 22.0 26.7 40.1#

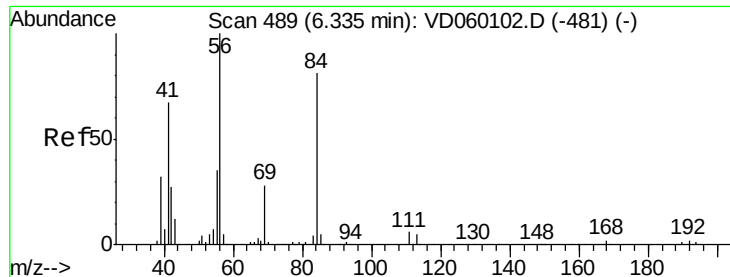


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

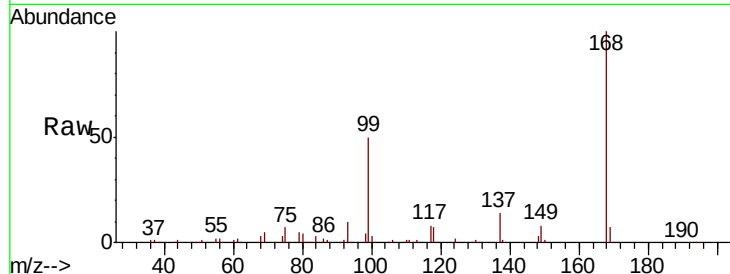
Ion 71.00 (70.70 to 71.70): VDC



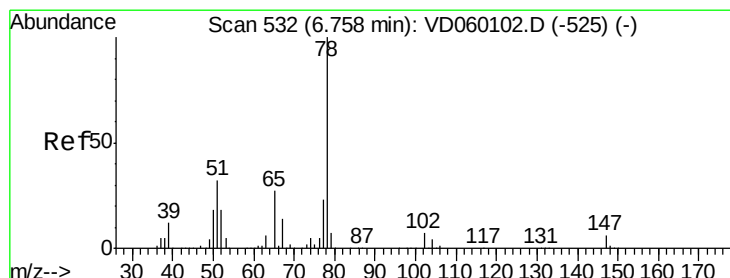
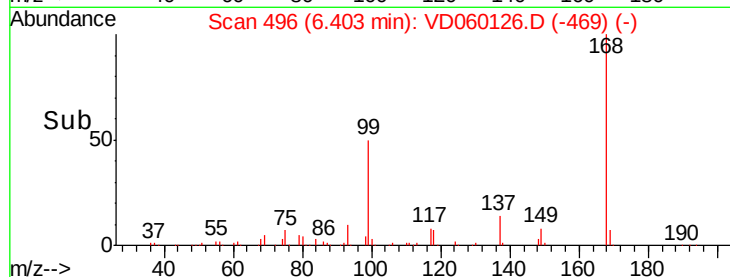
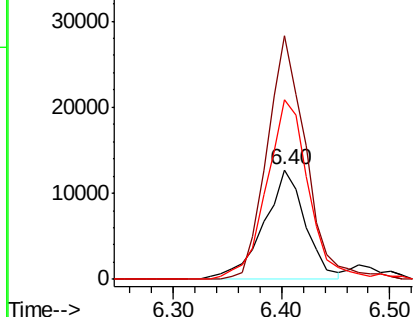


#31
Cyclohexane
Concen: 1.235 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

Tot Ion	56	69	84	Resp	33775	Lower	Upper
Ion	100	222.6	163.9			22.8	34.2#
						64.9	97.3#

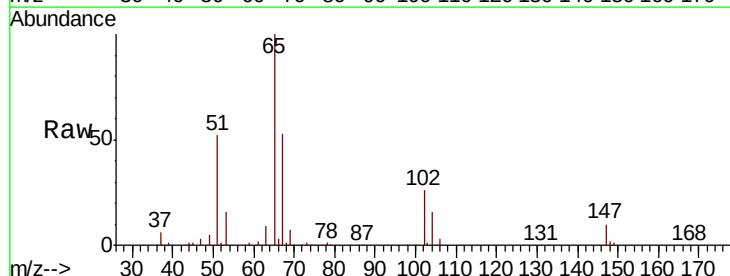


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

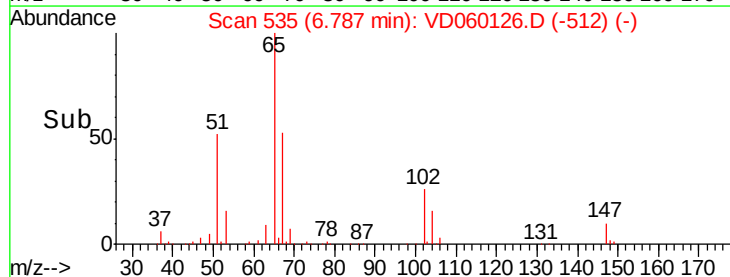
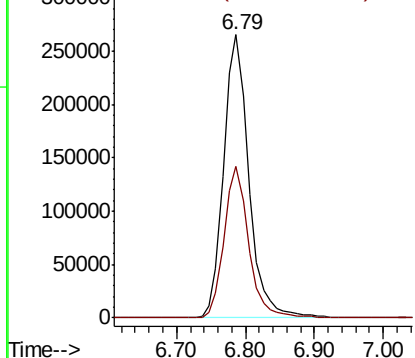


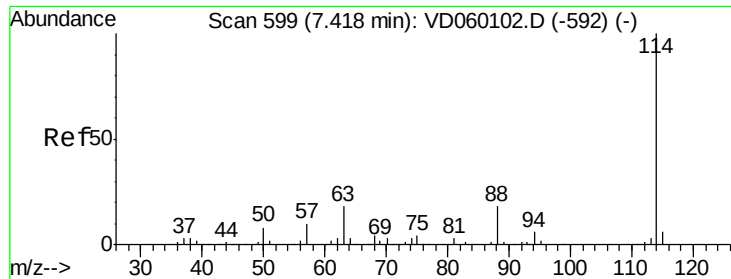
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

Tgt Ion	65	67	Resp	671724	Lower	Upper
Ion	100	53.3			0.0	106.2



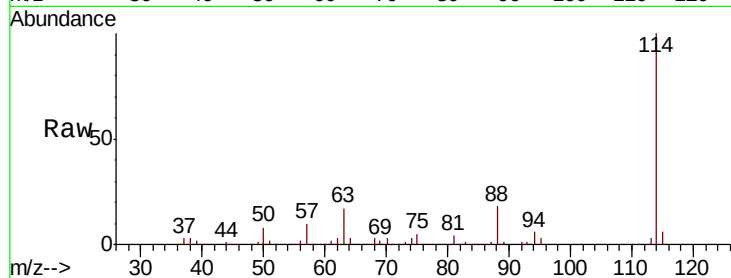
Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



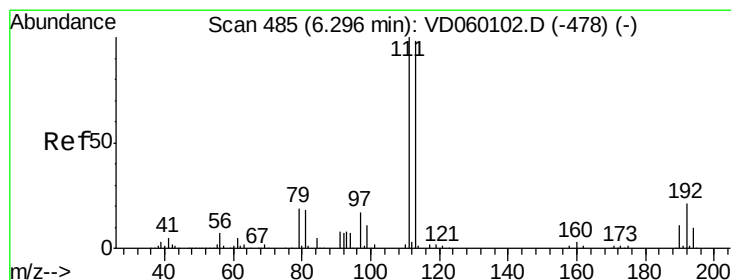
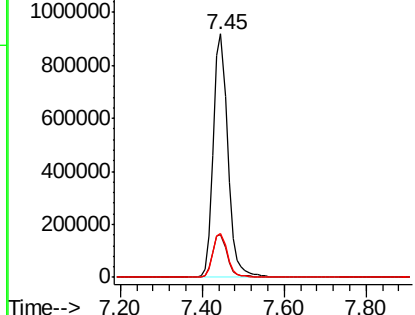
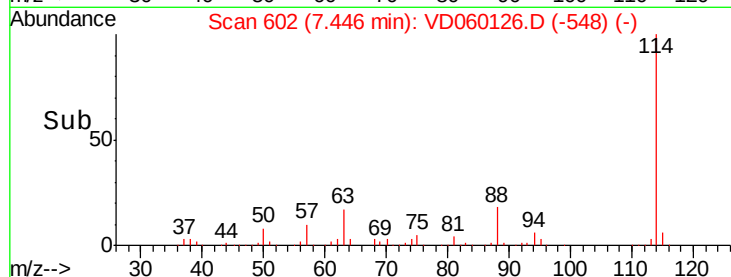


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060126.D
 Acq: 4 Oct 2018 11:58

Tot Ion:114 Resp: 2252359
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.0
 88 18.0 0.0 36.2

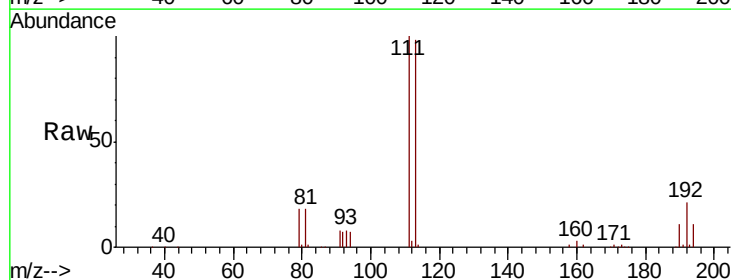


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

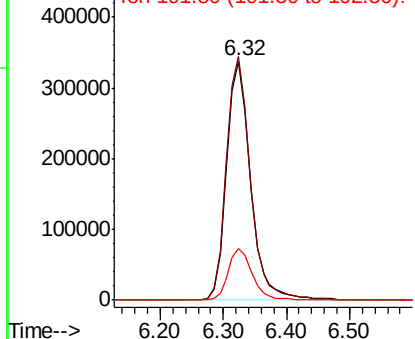
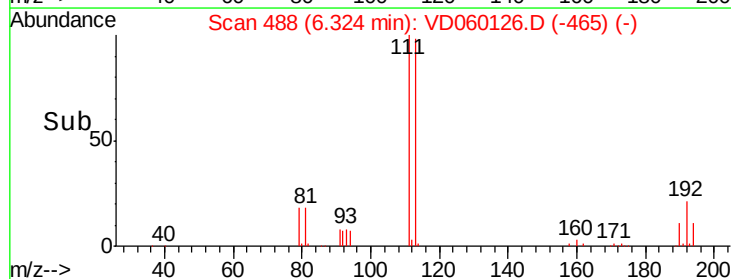


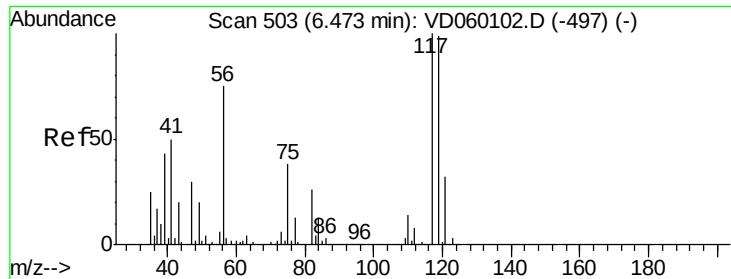
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060126.D
 Acq: 4 Oct 2018 11:58

Tgt Ion:113 Resp: 890962
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.5 122.3
 192 21.5 17.4 26.0



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





#38

Carbon Tetrachloride

Concen: 6.825 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060126.D

Acq: 4 Oct 2018 11:58

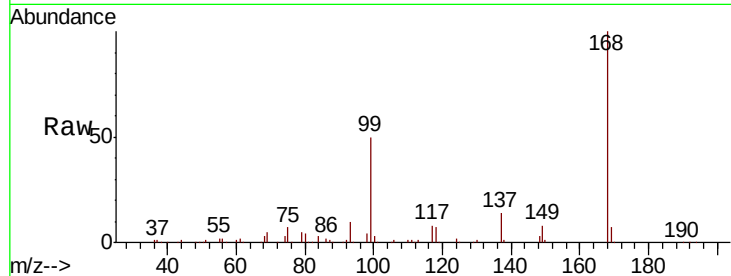
Tot Ion:117 Resp: 133325

Ion Ratio Lower Upper

117 100

119 5.2 77.8 116.6#

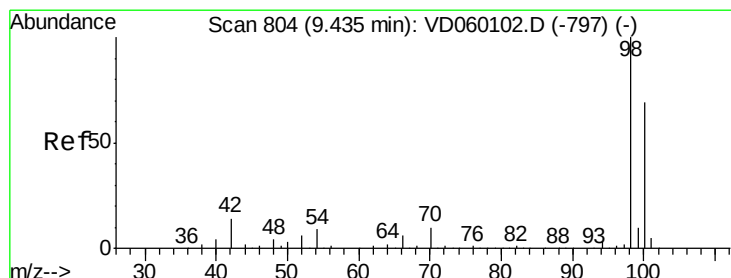
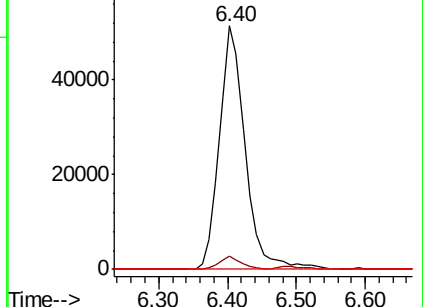
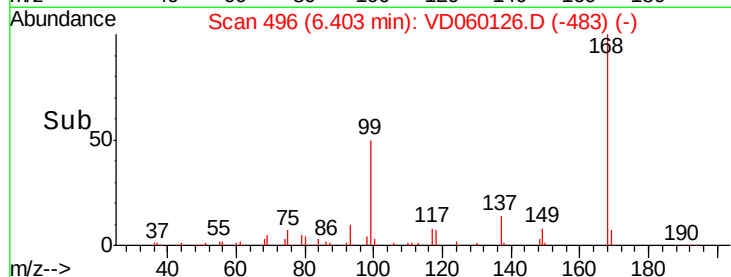
121 0.0 24.8 37.2#



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: 9.46 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060126.D

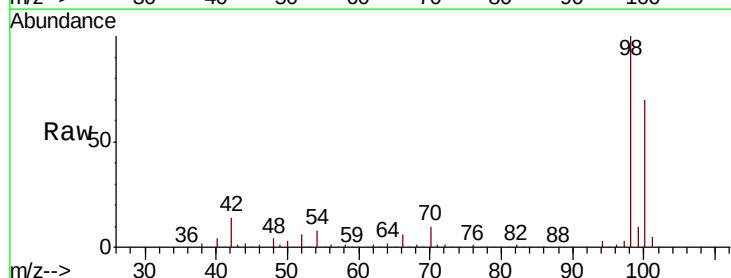
Acq: 4 Oct 2018 11:58

Tgt Ion: 98 Resp: 2510501

Ion Ratio Lower Upper

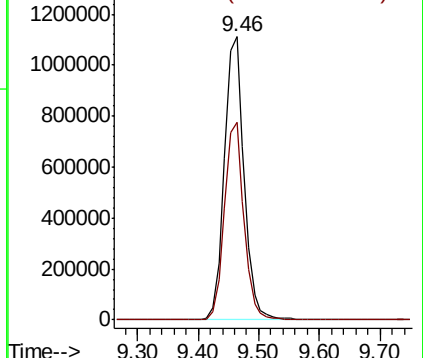
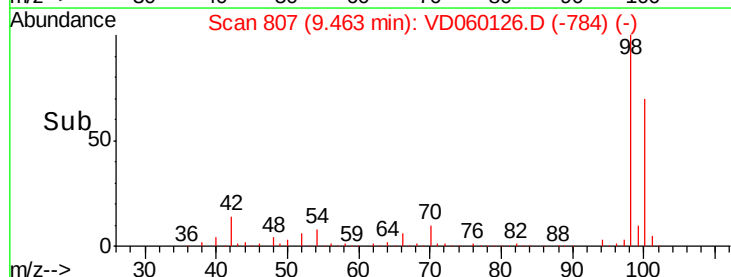
98 100

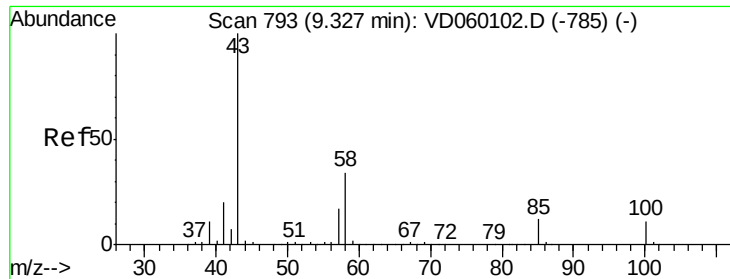
100 69.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060126.D

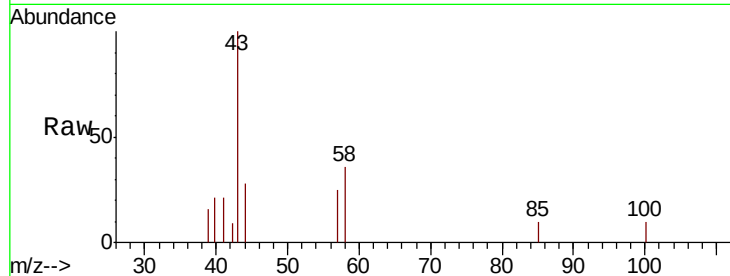
Acq: 4 Oct 2018 11:58

Tot Ion: 43 Resp: 12063

Ion Ratio Lower Upper

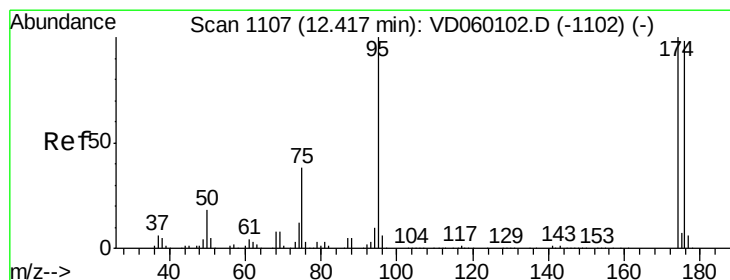
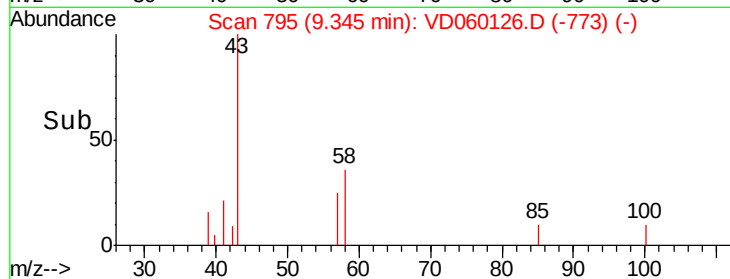
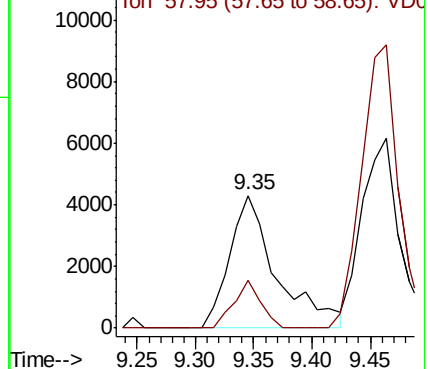
43 100

58 36.2 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060126.D

Acq: 4 Oct 2018 11:58

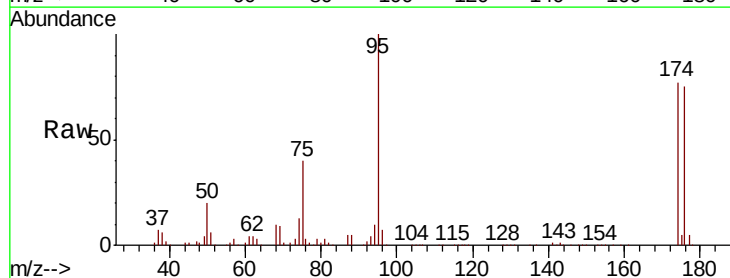
Tgt Ion: 95 Resp: 937813

Ion Ratio Lower Upper

95 100

174 77.3 0.0 200.2

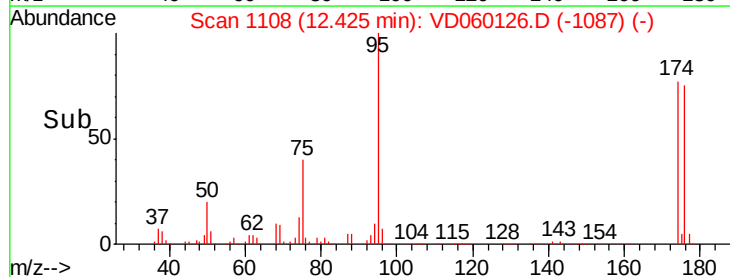
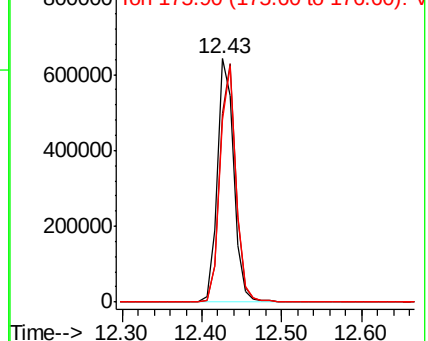
176 74.9 0.0 195.6

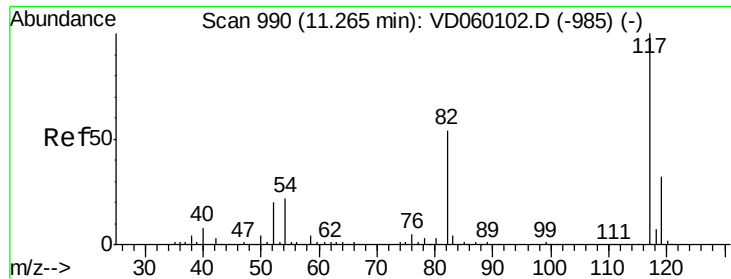


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

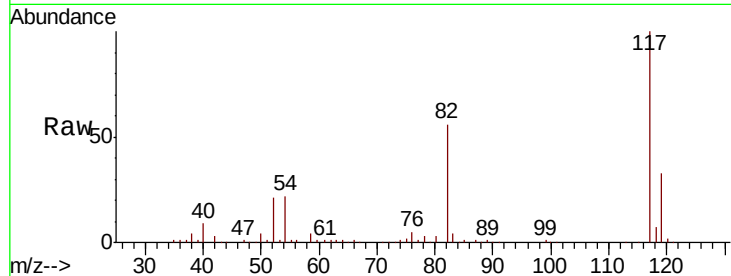




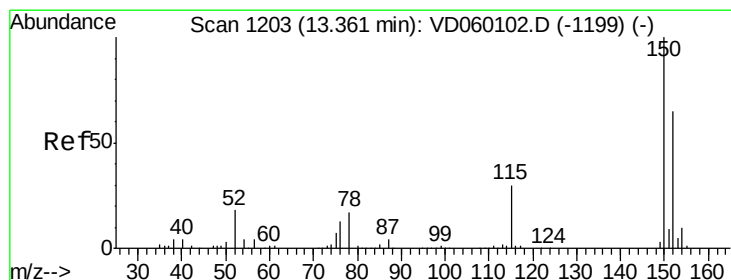
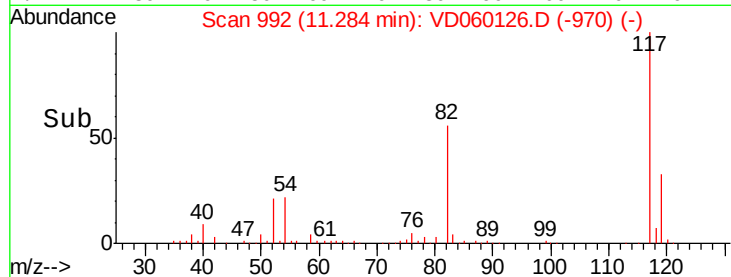
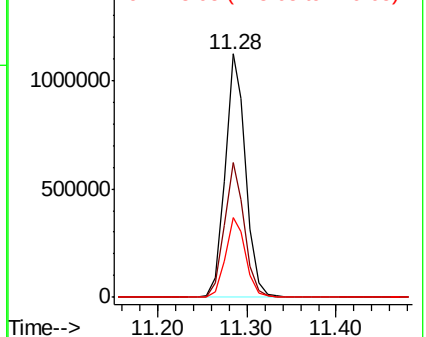
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

Tot Ion:117 Resp: 1829502

Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.4	65.2
119	33.0	26.0	39.0



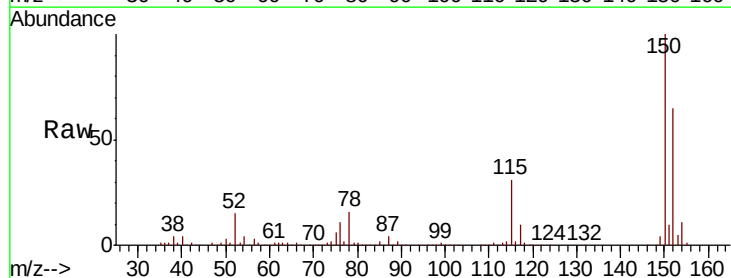
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



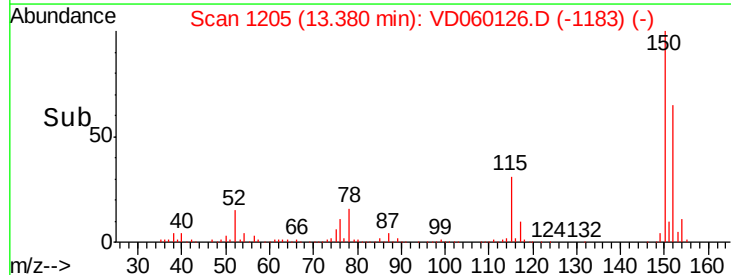
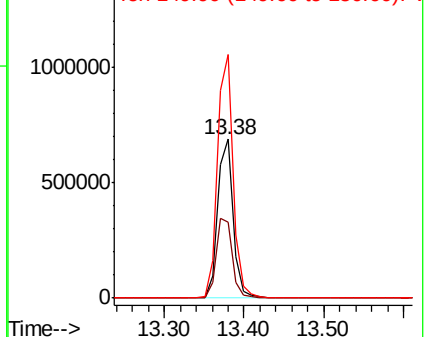
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060126.D
Acq: 4 Oct 2018 11:58

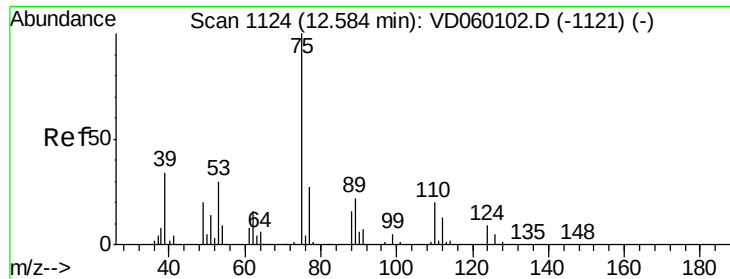
Tgt Ion:152 Resp: 952180

Ion	Ratio	Lower	Upper
152	100		
115	47.6	27.1	81.2
150	153.2	0.0	311.8



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





#76

1,2,3-Trichloropropane

Concen: 27.061 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060126.D

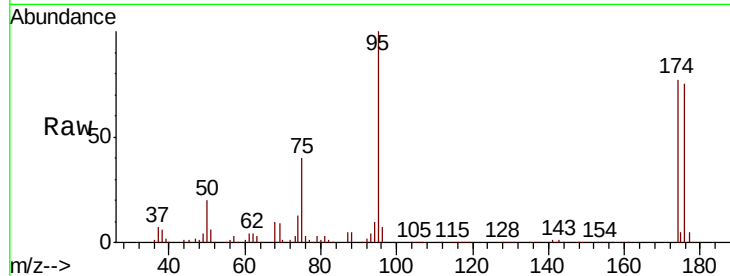
Acq: 4 Oct 2018 11:58

Tot Ion: 75 Resp: 371071

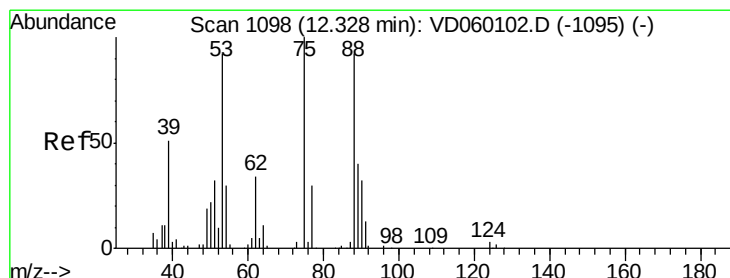
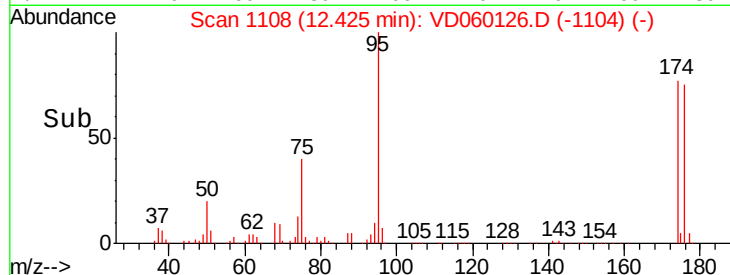
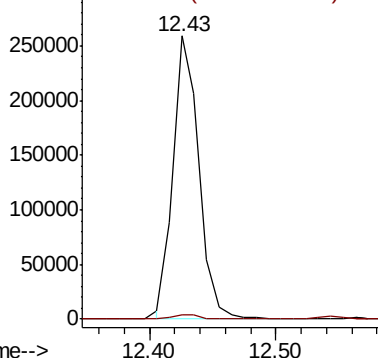
Ion Ratio Lower Upper

75 100

77 1.4 16.3 48.9#



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



#81

trans-1,4-Dichloro-2-butene

Concen: 97.168 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060126.D

Acq: 4 Oct 2018 11:58

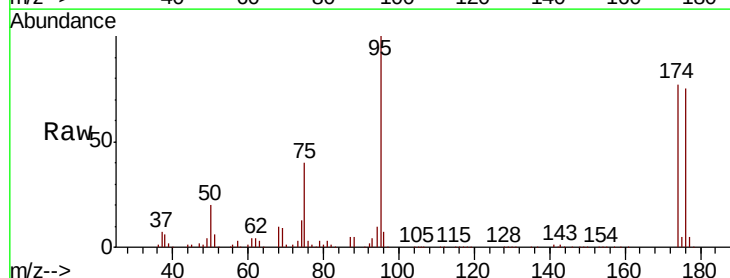
Tgt Ion: 75 Resp: 374392

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

