

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102618\
 Data File : VD060221.D
 Acq On : 26 Oct 2018 17:32
 Operator : JC/SY
 Sample : J5205-05
 Misc : 6.76g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-102518

Quant Time: Oct 26 23:43:35 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	1335378	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	1960942	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1460208	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	572169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	635586	62.79	ug/l	0.03
Spiked Amount			Recovery	=	125.58%	
35) Dibromofluoromethane	6.32	113	758939	50.97	ug/l	0.03
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	9.45	98	1917372	45.15	ug/l	0.02
Spiked Amount			Recovery	=	90.30%	
62) 4-Bromofluorobenzene	12.43	95	646893	40.69	ug/l	0.00
Spiked Amount			Recovery	=	81.38%	

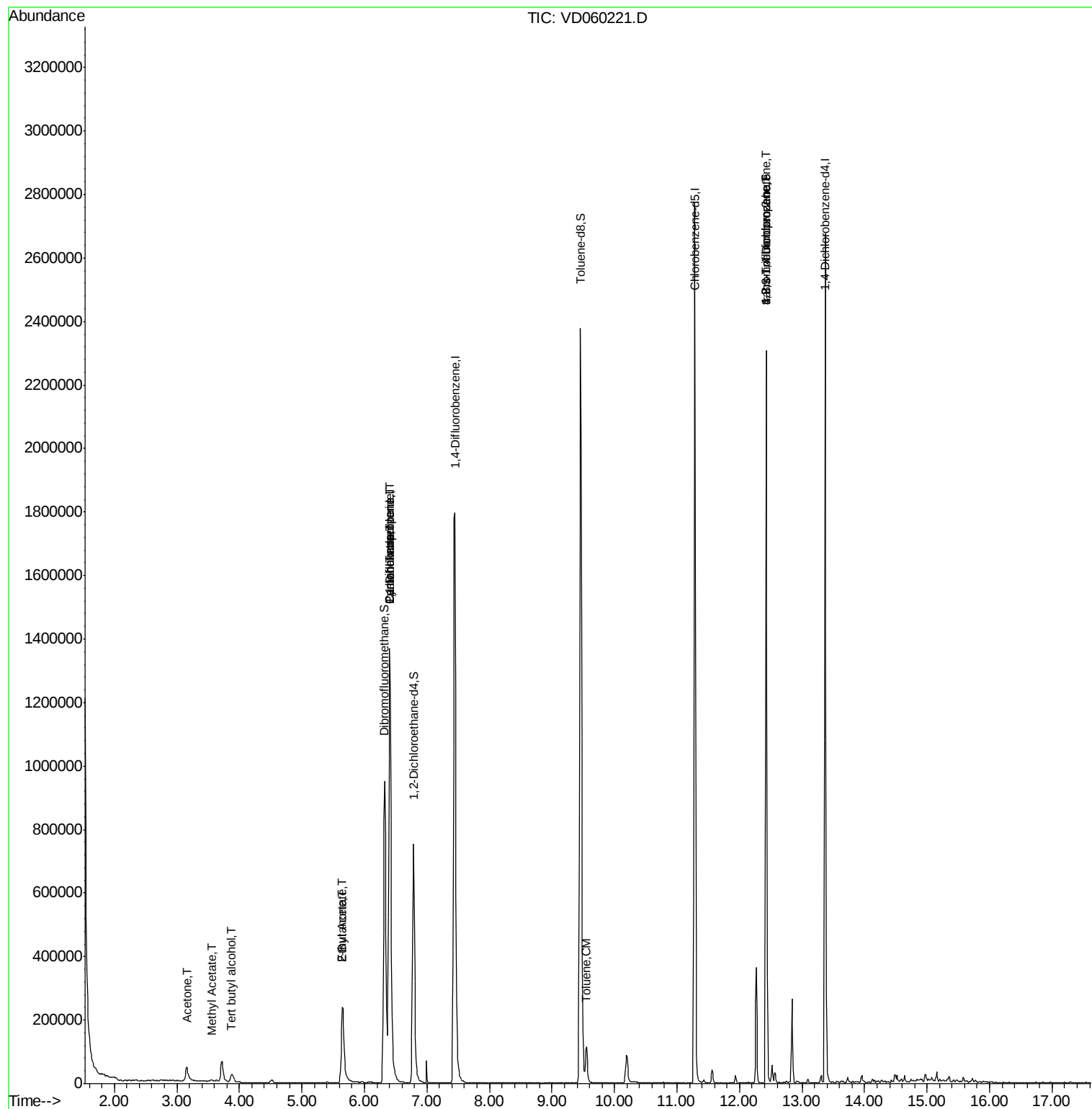
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.88	59	21629	29.794	ug/l #	74
16) Acetone	3.16	43	94653	51.533	ug/l	100
18) Methyl Acetate	3.56	43	10071	2.551	ug/l #	63
20) Methylene Chloride	3.73	84	42536	Below Cal		94
25) 2-Butanone	5.66	43	24831	5.411	ug/l #	75
31) Cyclohexane	6.40	56	26191	1.194	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	100647	5.371	ug/l #	46
37) Ethyl Acetate	5.66	43	24831	1.996	ug/l #	28
38) Carbon Tetrachloride	6.40	117	108404	6.374	ug/l #	15
52) Toluene	9.55	92	54183	1.716	ug/l	98
76) 1,2,3-Trichloropropane	12.43	75	261853	31.779	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	271196	117.131	ug/l #	13

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

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TR-05-102518

Quant Time: Oct 26 23:43:35 2018
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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: VD060221.D

Acq: 26 Oct 2018 17:32

Instrument :

MSVOA_D

ClientSampleId :

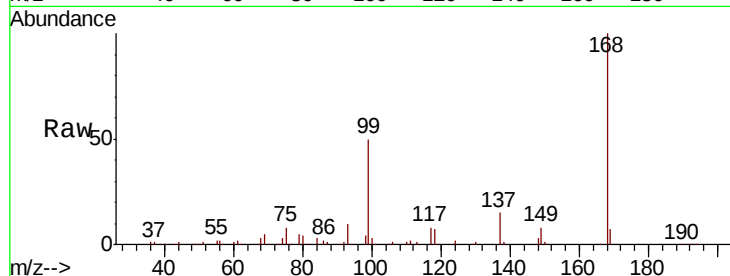
TR-05-102518

Tgt Ion:168 Resp: 1335378

Ion Ratio Lower Upper

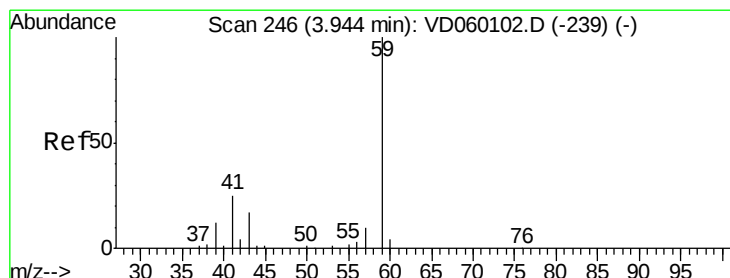
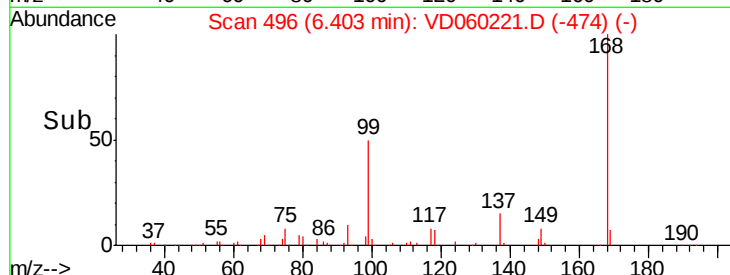
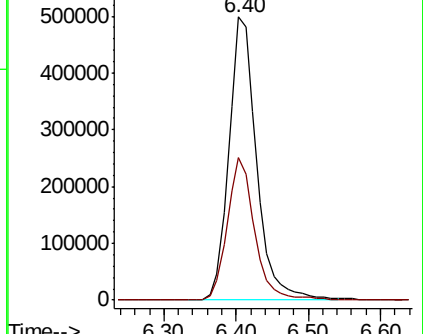
168 100

99 50.5 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: 29.794 ug/l

RT: 3.88 min Scan# 240

Delta R.T. -0.06 min

Lab File: VD060221.D

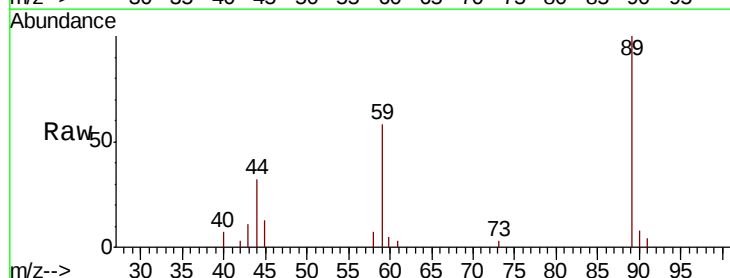
Acq: 26 Oct 2018 17:32

Tgt Ion: 59 Resp: 21629

Ion Ratio Lower Upper

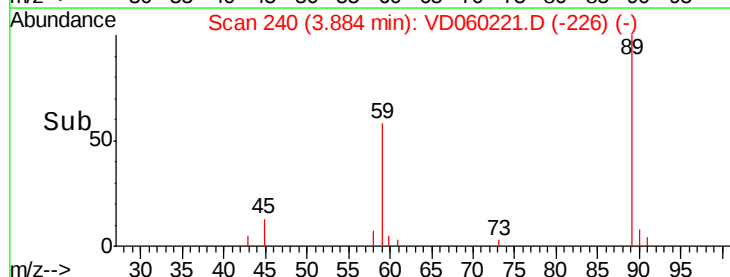
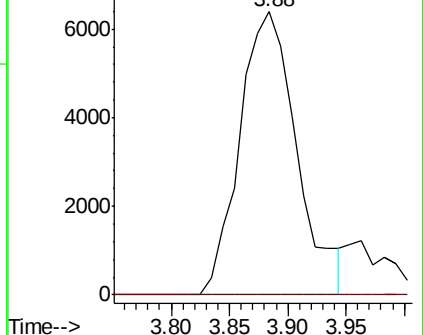
59 100

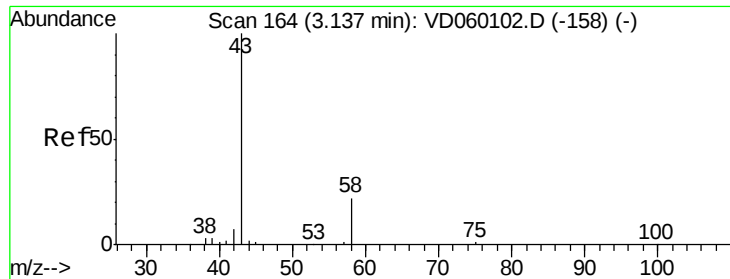
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 51.533 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060221.D

Acq: 26 Oct 2018 17:32

Instrument :

MSVOA_D

ClientSampleId :

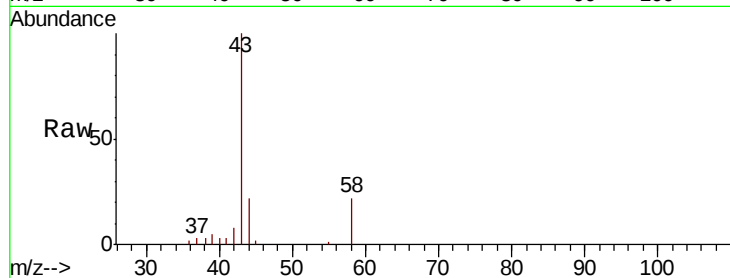
TR-05-102518

Tgt Ion: 43 Resp: 94653

Ion Ratio Lower Upper

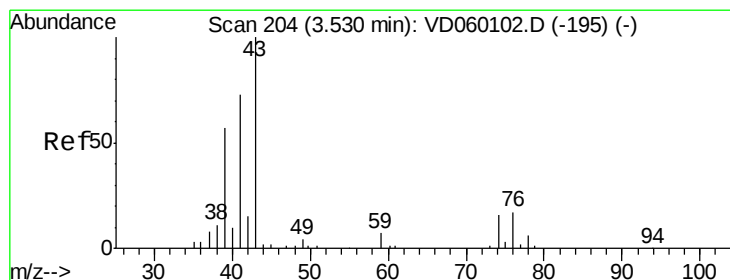
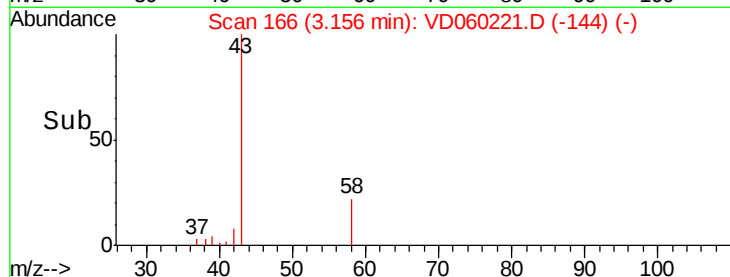
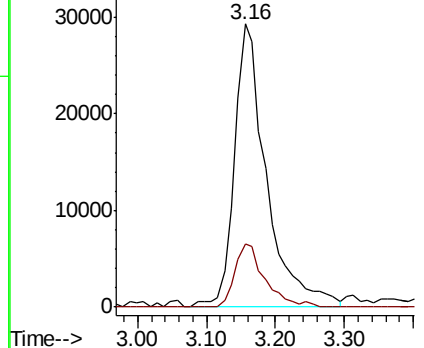
43 100

58 22.3 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: 2.551 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060221.D

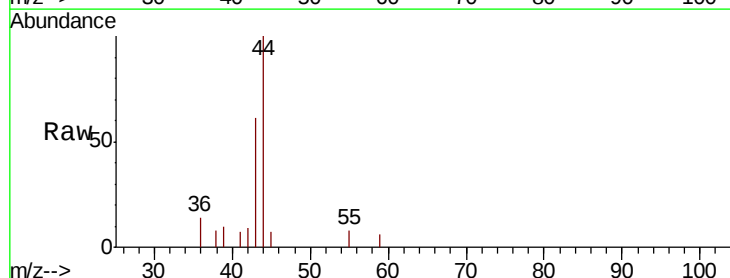
Acq: 26 Oct 2018 17:32

Tgt Ion: 43 Resp: 10071

Ion Ratio Lower Upper

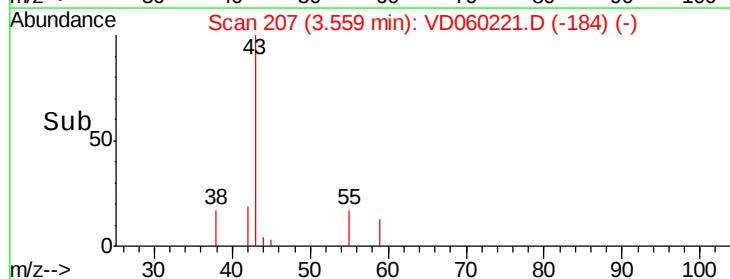
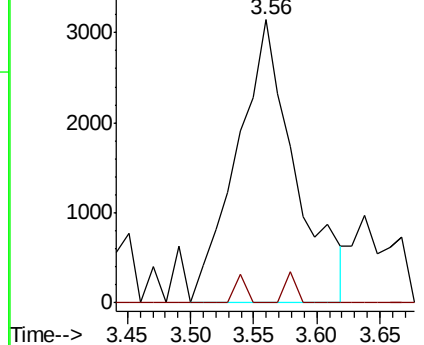
43 100

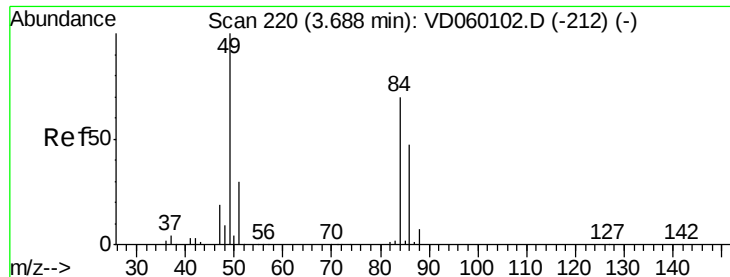
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

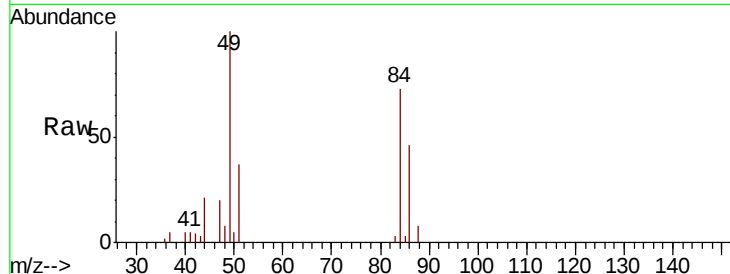




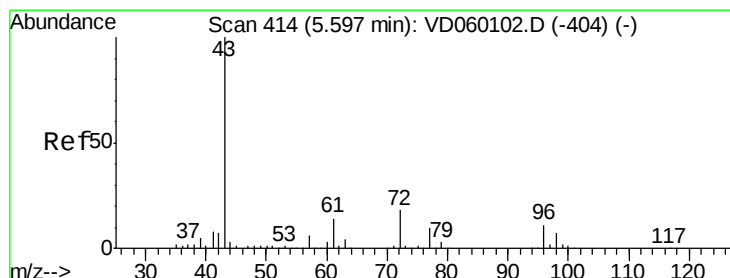
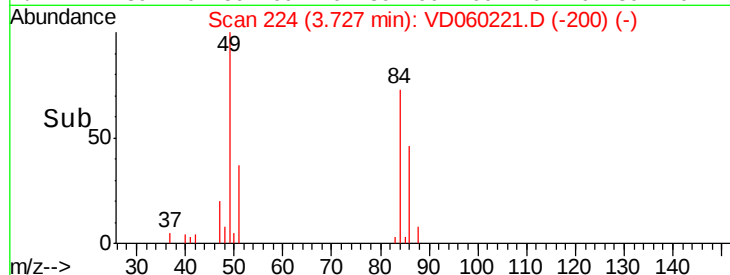
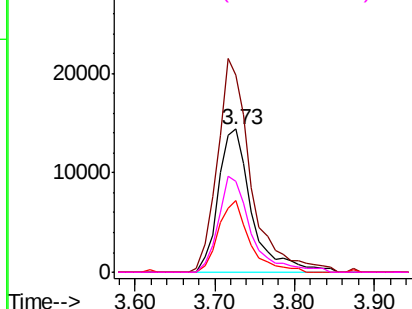
#20
Methylene Chloride
Concen: Below Cal
RT: 3.73 min Scan# 224
Delta R.T. 0.04 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Instrument :
MSVOA_D
ClientSampleId :
TR-05-102518

Tgt Ion: 84 Resp: 42536
Ion Ratio Lower Upper
84 100
49 137.7 114.6 172.0
51 50.4 33.8 50.8
86 64.0 53.3 79.9

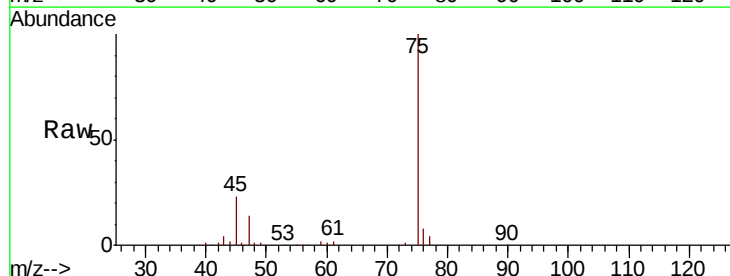


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

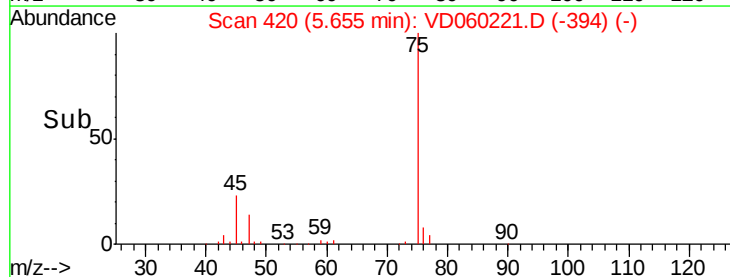
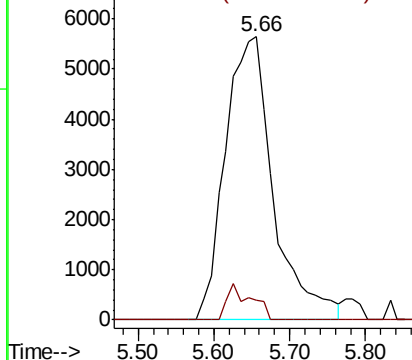


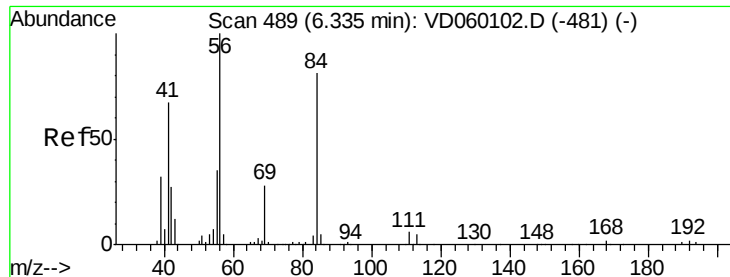
#25
2-Butanone
Concen: 5.411 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.06 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Tgt Ion: 43 Resp: 24831
Ion Ratio Lower Upper
43 100
72 6.9 14.5 21.7#



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

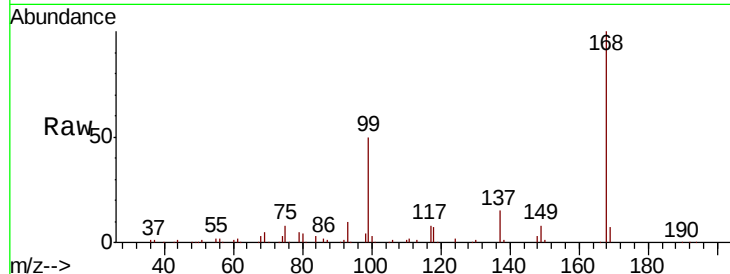




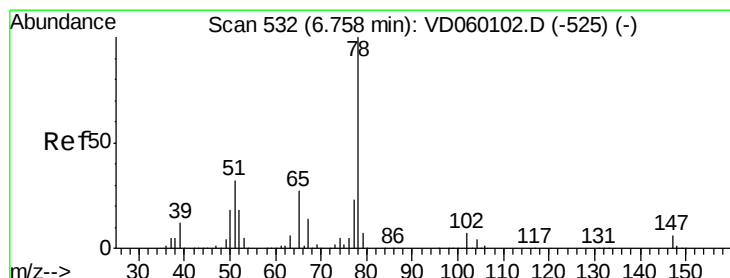
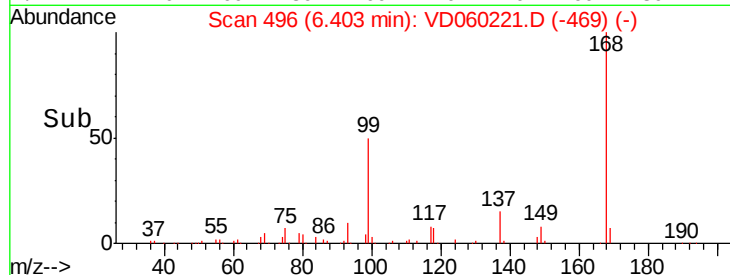
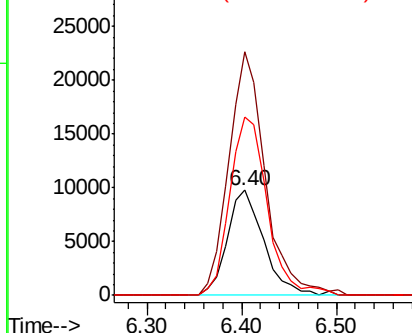
#31
Cyclohexane
Concen: 1.194 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Instrument :
MSVOA_D
ClientSampleId :
TR-05-102518

Tgt Ion: 56 Resp: 26191
Ion Ratio Lower Upper
56 100
69 232.0 22.8 34.2#
84 169.6 64.9 97.3#

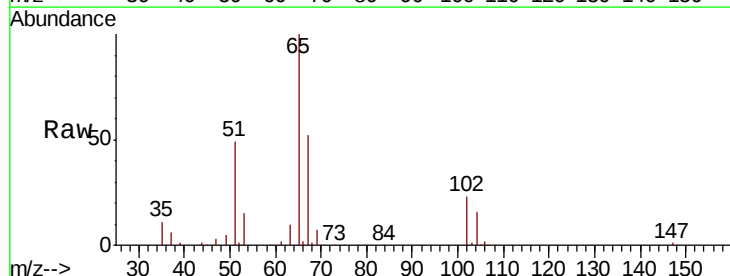


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

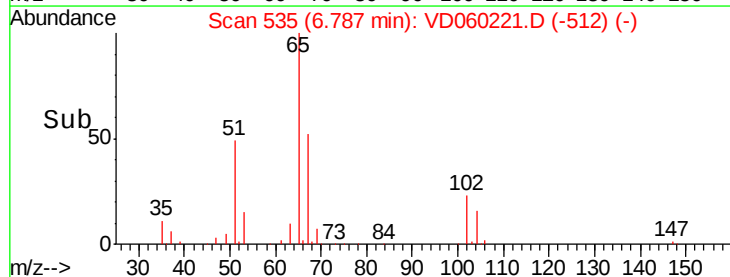
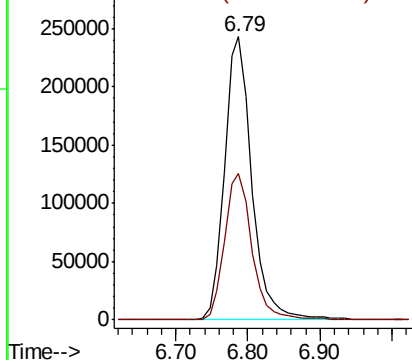


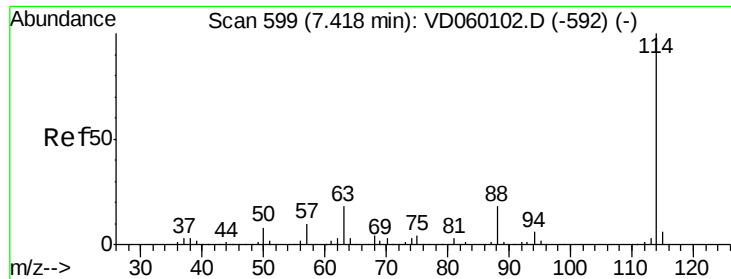
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Tgt Ion: 65 Resp: 635586
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2



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

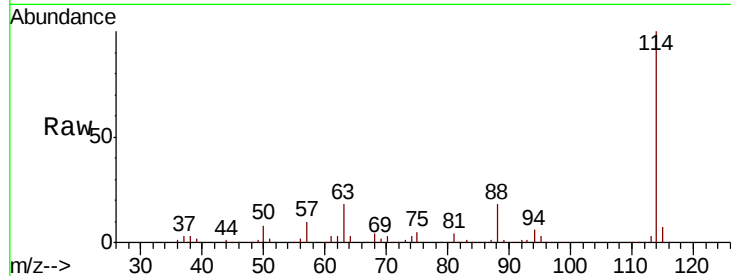




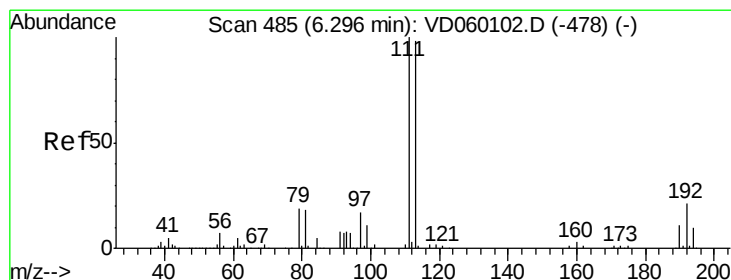
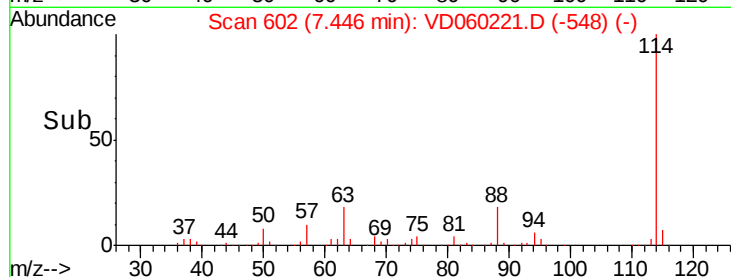
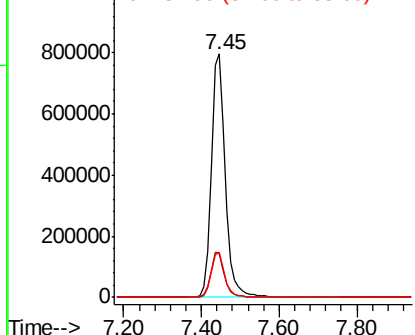
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-102518

Tgt Ion:114 Resp: 1960942
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 18.4 0.0 36.2

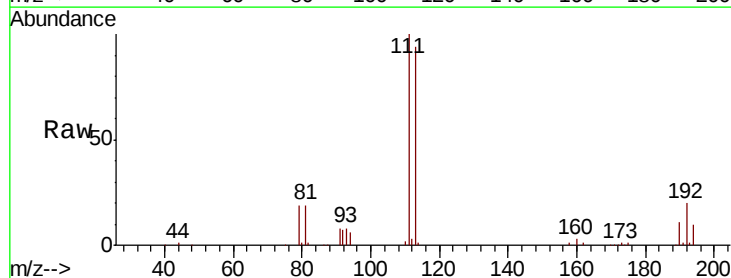


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

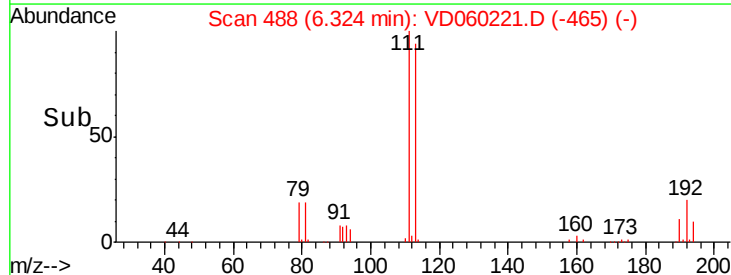
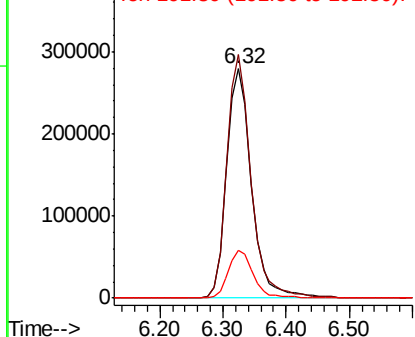


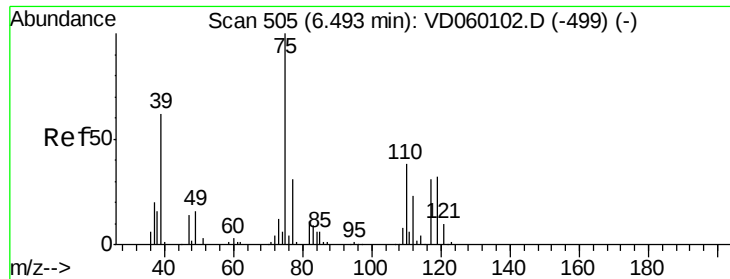
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

Tgt Ion:113 Resp: 758939
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.5 122.3
 192 21.0 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

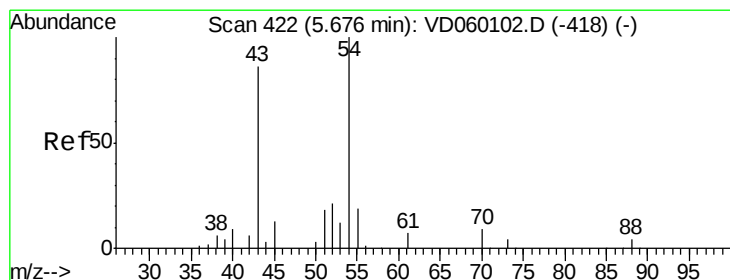
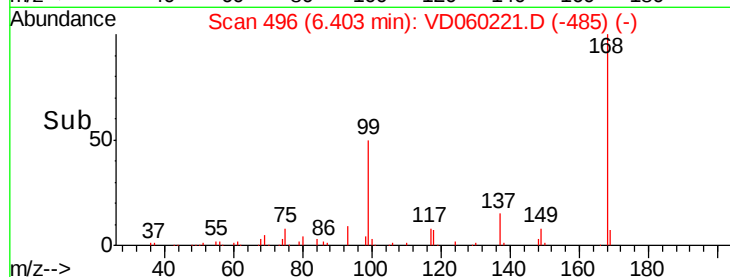
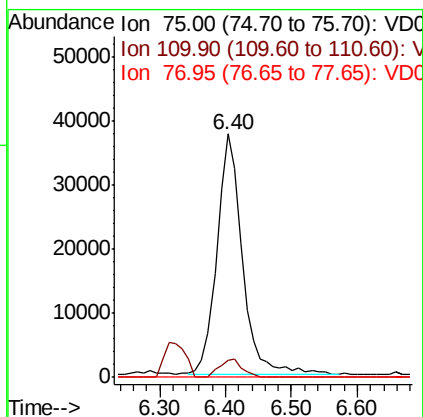
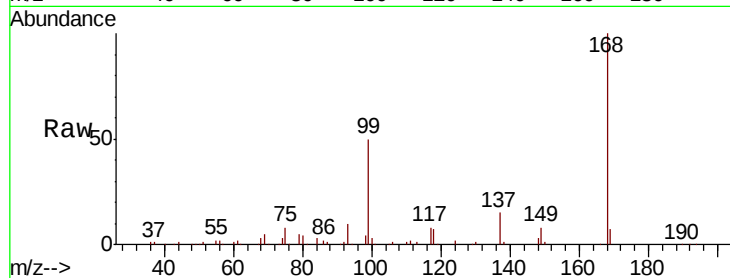




#36
 1,1-Dichloropropene
 Concen: 5.371 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

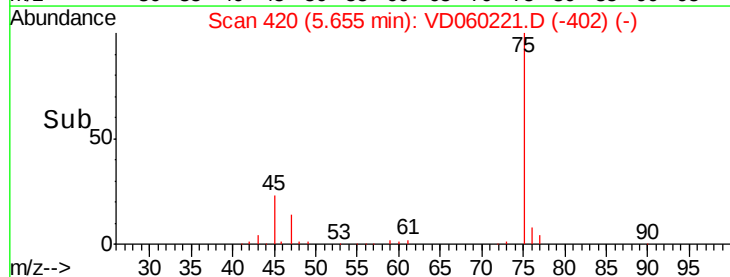
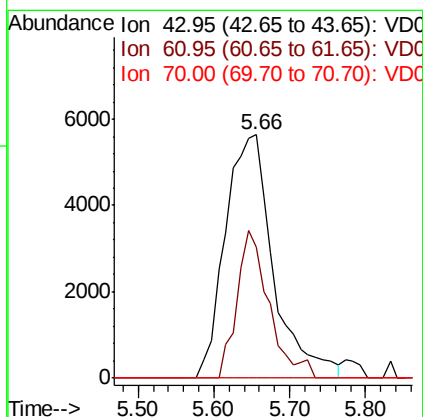
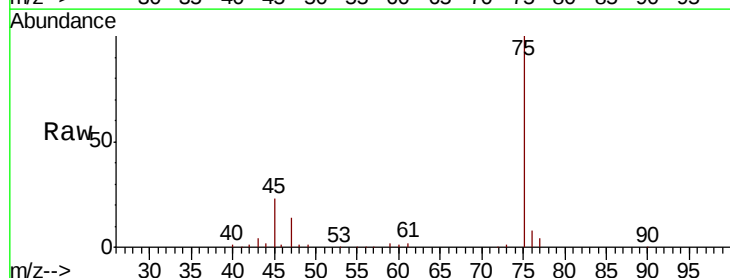
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-102518

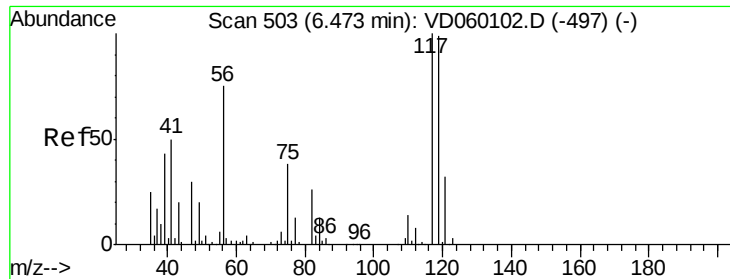
Tgt Ion: 75 Resp: 100647
 Ion Ratio Lower Upper
 75 100
 110 6.9 19.0 57.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: 1.996 ug/l
 RT: 5.66 min Scan# 420
 Delta R.T. -0.02 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

Tgt Ion: 43 Resp: 24831
 Ion Ratio Lower Upper
 43 100
 61 53.8 10.5 15.7#
 70 0.0 6.3 9.5#





#38

Carbon Tetrachloride

Concen: 6.374 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060221.D

Acq: 26 Oct 2018 17:32

Instrument :

MSVOA_D

ClientSampleId :

TR-05-102518

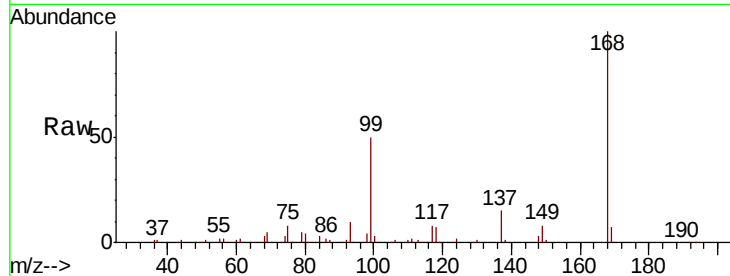
Tgt Ion:117 Resp: 108404

Ion Ratio Lower Upper

117 100

119 4.6 77.8 116.6#

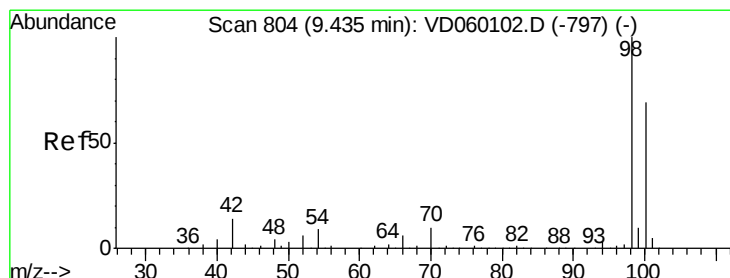
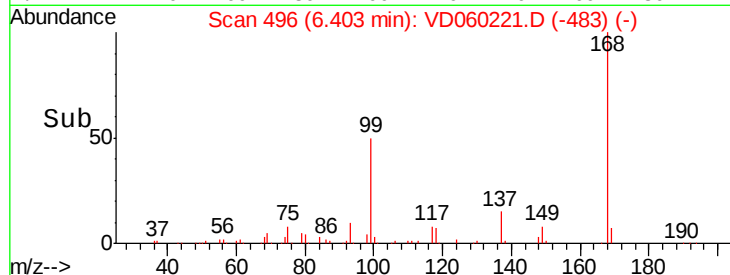
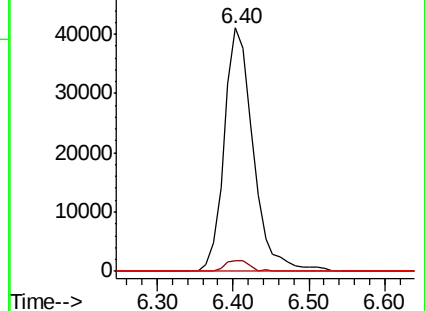
121 0.0 24.8 37.2#



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: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060221.D

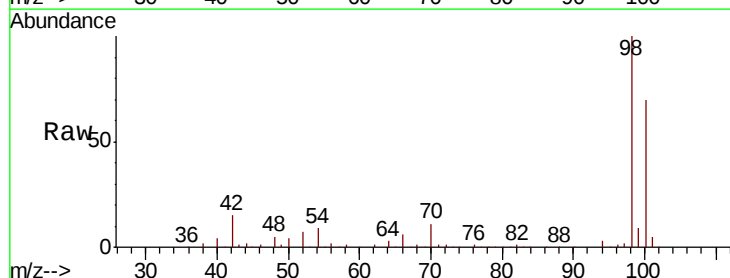
Acq: 26 Oct 2018 17:32

Tgt Ion: 98 Resp: 1917372

Ion Ratio Lower Upper

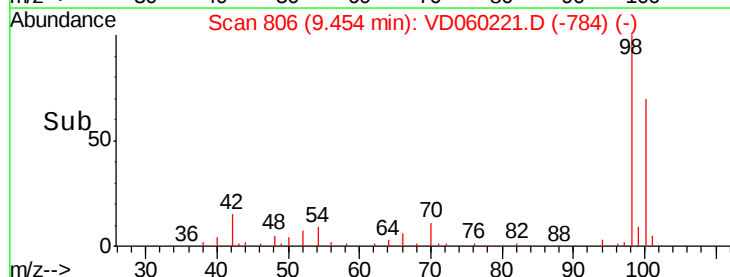
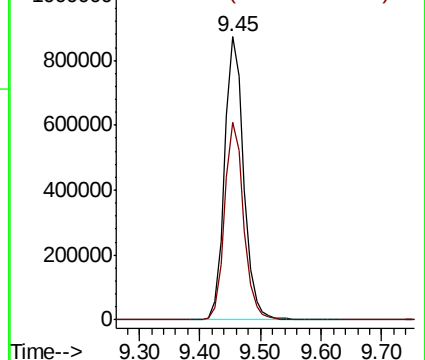
98 100

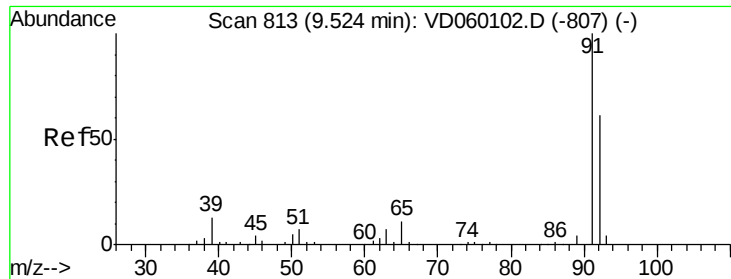
100 69.7 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.716 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060221.D

Acq: 26 Oct 2018 17:32

Instrument :

MSVOA_D

ClientSampleId :

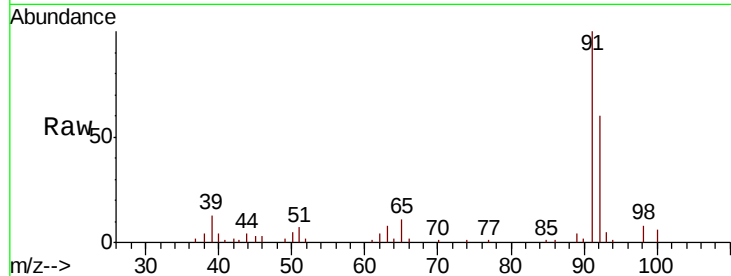
TR-05-102518

Tgt Ion: 92 Resp: 54183

Ion Ratio Lower Upper

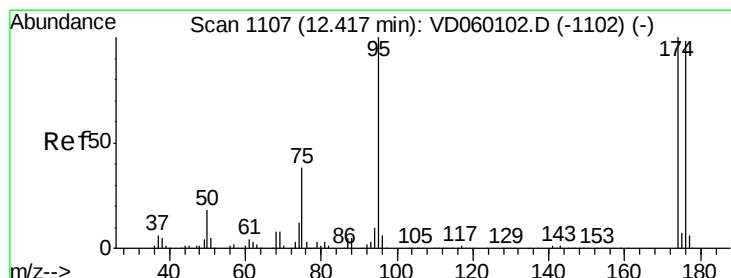
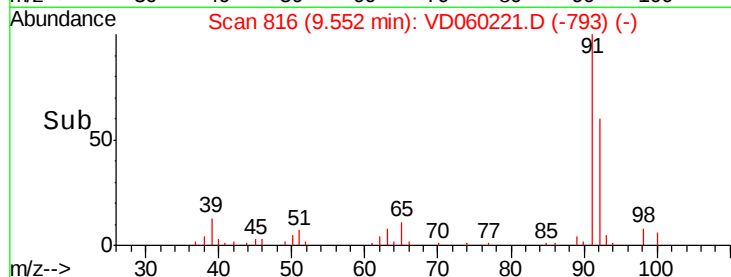
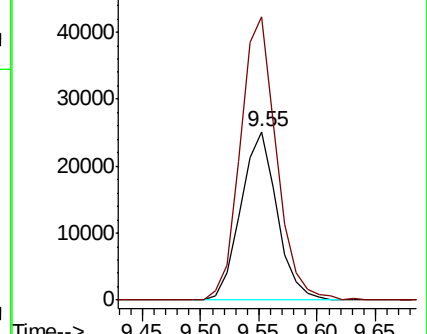
92 100

91 168.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060221.D

Acq: 26 Oct 2018 17:32

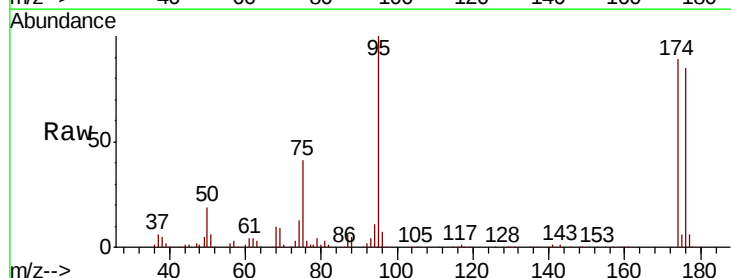
Tgt Ion: 95 Resp: 646893

Ion Ratio Lower Upper

95 100

174 88.7 0.0 200.2

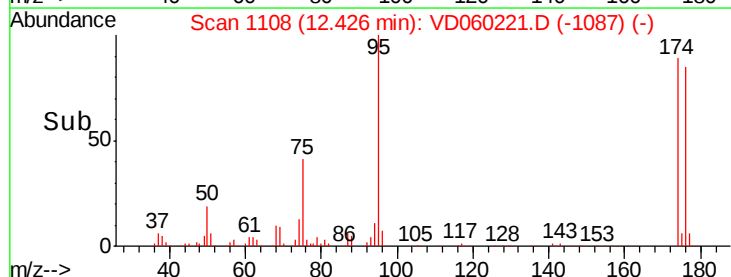
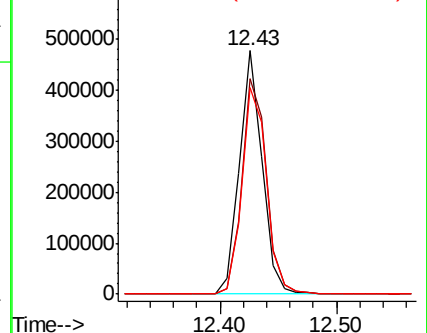
176 84.7 0.0 195.6

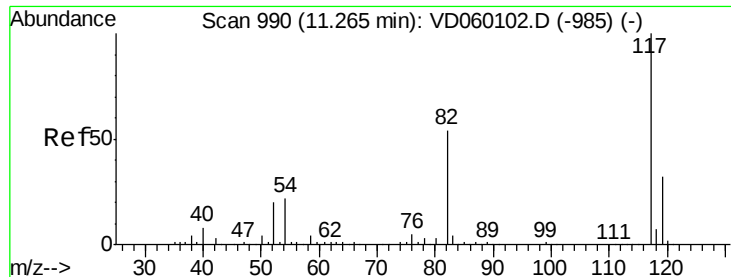


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

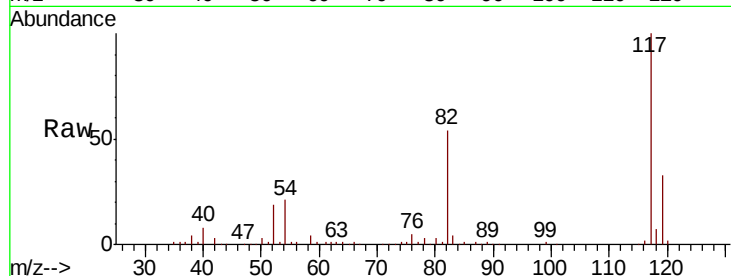




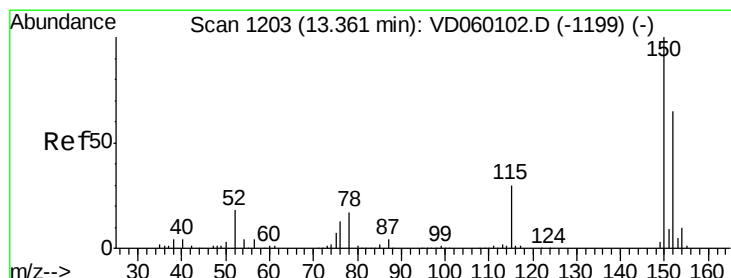
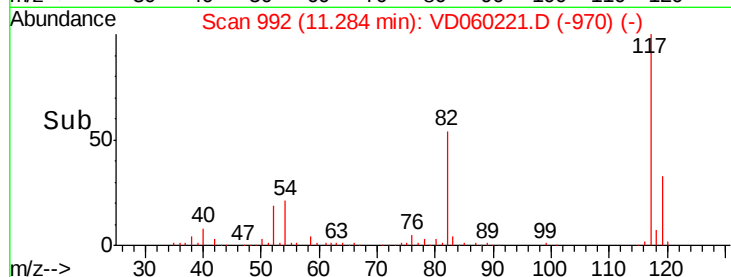
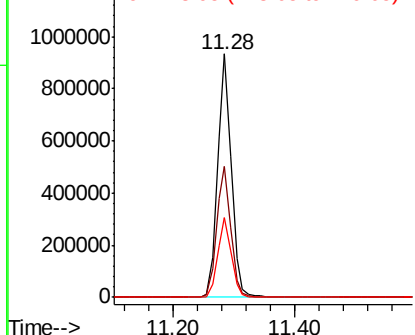
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Instrument :
MSVOA_D
ClientSampleId :
TR-05-102518

Tgt Ion:117 Resp: 1460208
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.2
119 32.6 26.0 39.0

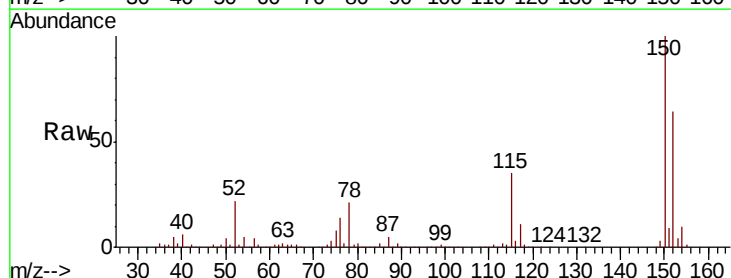


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

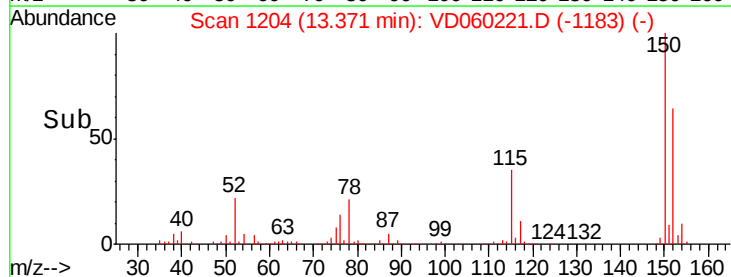
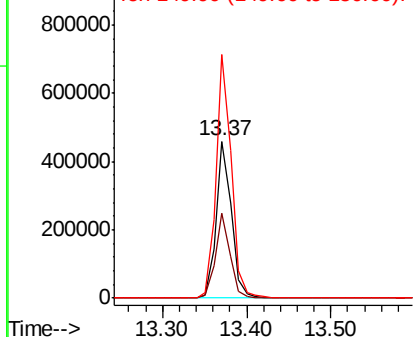


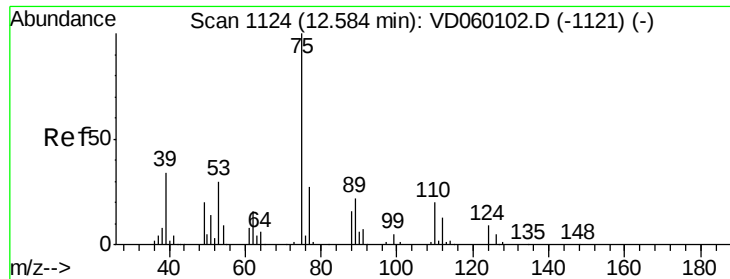
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060221.D
Acq: 26 Oct 2018 17:32

Tgt Ion:152 Resp: 572169
Ion Ratio Lower Upper
152 100
115 54.0 27.1 81.2
150 155.3 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

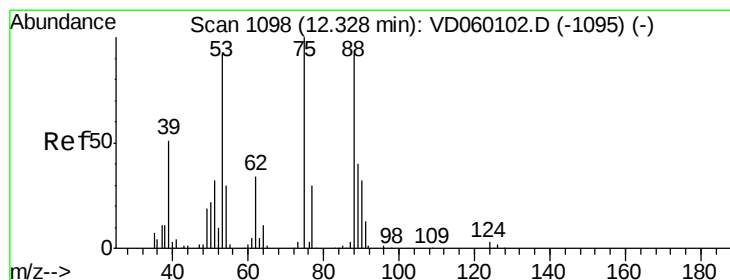
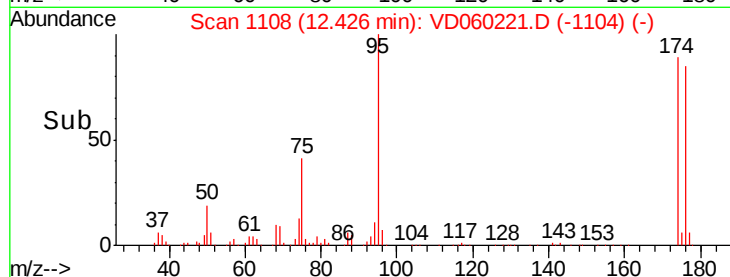
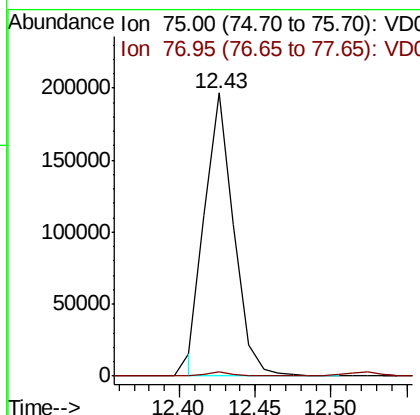
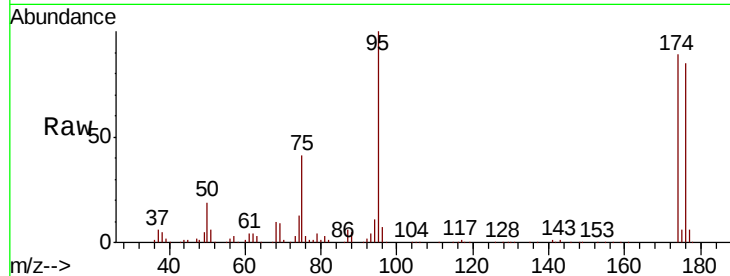




#76
 1,2,3-Trichloropropane
 Concen: 31.779 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.16 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-102518

Tgt Ion: 75 Resp: 261853
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.131 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.10 min
 Lab File: VD060221.D
 Acq: 26 Oct 2018 17:32

Tgt Ion: 75 Resp: 271196
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#

