

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060203.D
 Acq On : 25 Oct 2018 19:03
 Operator : JC/SY
 Sample : J5658-07
 Misc : 5.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-005

Quant Time: Oct 26 03:43:48 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

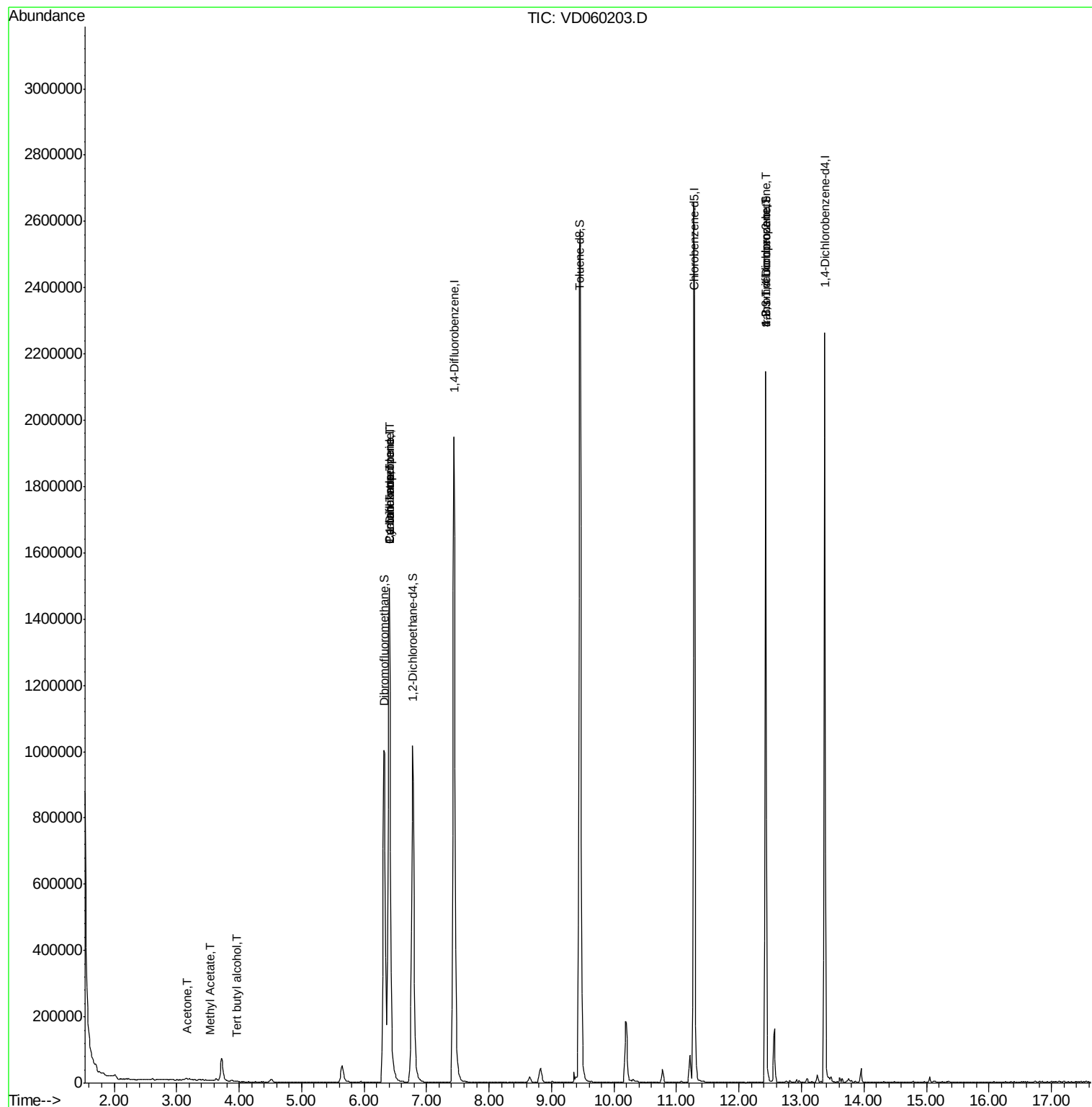
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1482153	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2060531	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1507409	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	560719	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	685017	60.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	121.94%	
35) Dibromofluoromethane	6.32	113	831083	53.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	106.22%	
50) Toluene-d8	9.46	98	2179279	48.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.43	95	650835	38.96	ug/l	0.01
Spiked Amount 50.000			Recovery	=	77.92%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.96	59	2716	3.371	ug/l #	74
16) Acetone	3.17	43	9320	4.572	ug/l	93
18) Methyl Acetate	3.53	43	4548	1.038	ug/l #	63
20) Methylene Chloride	3.72	84	44415	Below Cal		92
31) Cyclohexane	6.40	56	27180	1.117	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	109811	5.577	ug/l #	47
38) Carbon Tetrachloride	6.41	117	116527	6.520	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	235885	29.212	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.42	75	268161	118.186	ug/l #	13

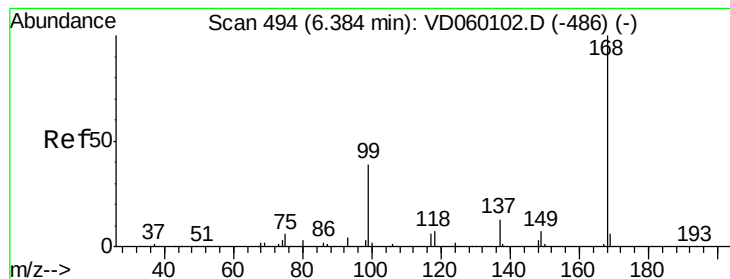
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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Quant Time: Oct 26 03:43:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
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: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

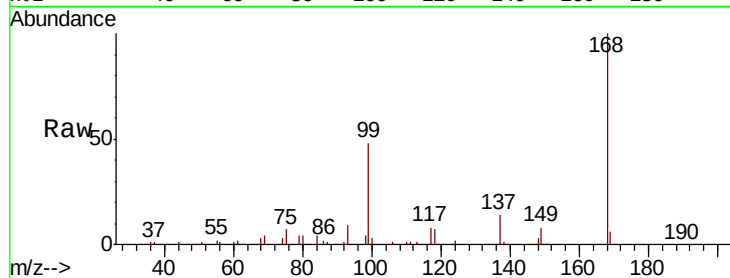
JC-TS-005

Tot Ion:168 Resp: 1482153

Ion Ratio Lower Upper

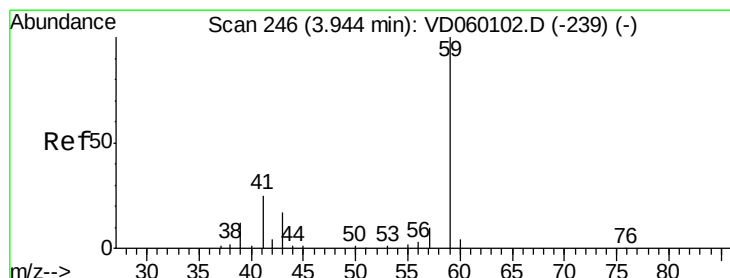
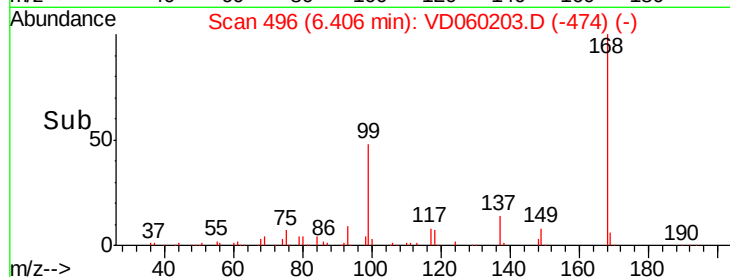
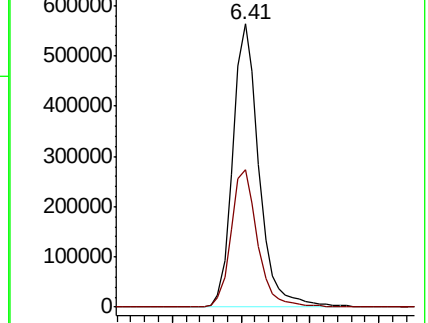
168 100

99 48.3 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: 3.371 ug/l

RT: 3.96 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD060203.D

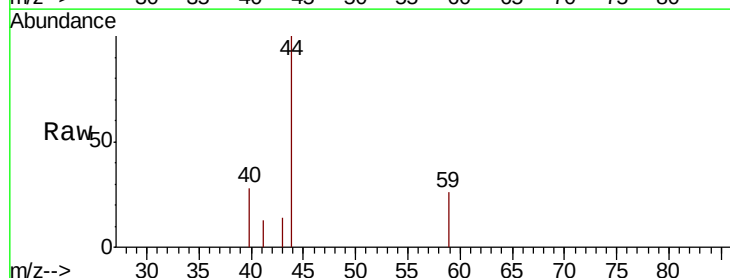
Acq: 25 Oct 2018 19:03

Tgt Ion: 59 Resp: 2716

Ion Ratio Lower Upper

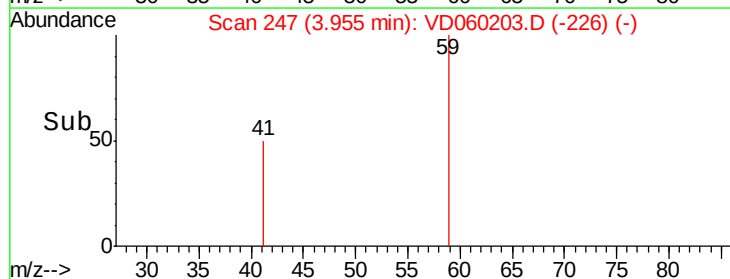
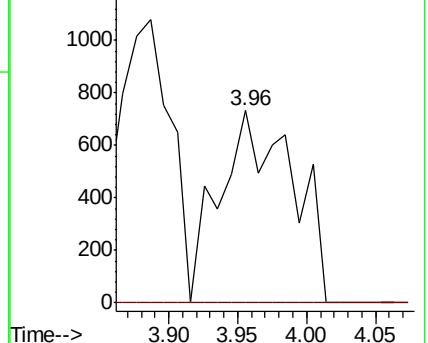
59 100

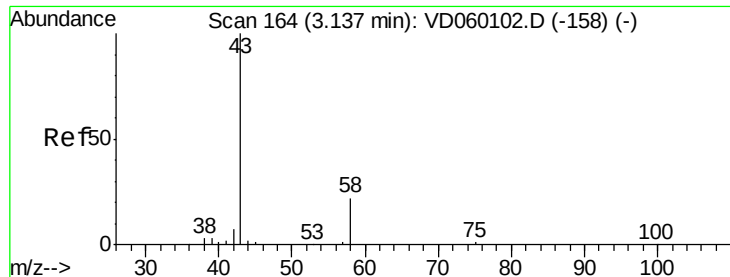
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 4.572 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

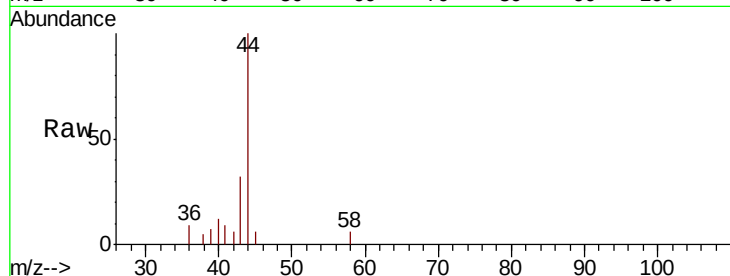
JC-TS-005

Tot Ion: 43 Resp: 9320

Ion Ratio Lower Upper

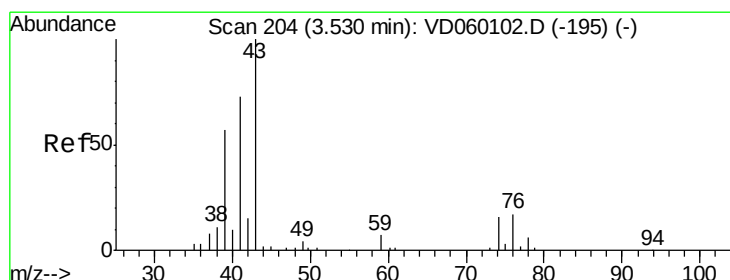
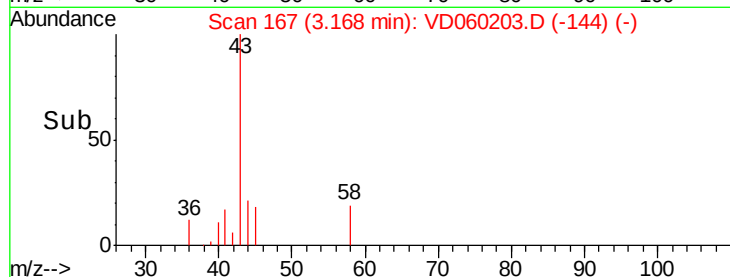
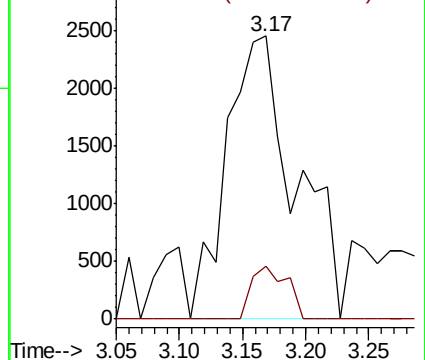
43 100

58 18.9 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: 1.038 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060203.D

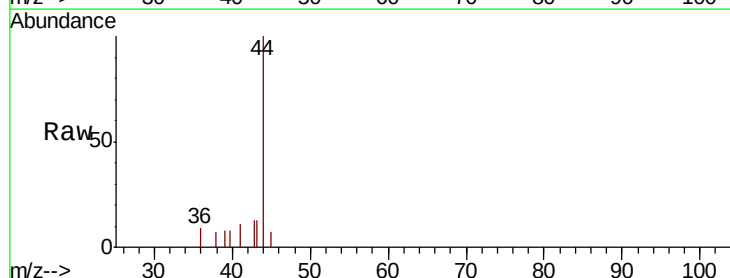
Acq: 25 Oct 2018 19:03

Tgt Ion: 43 Resp: 4548

Ion Ratio Lower Upper

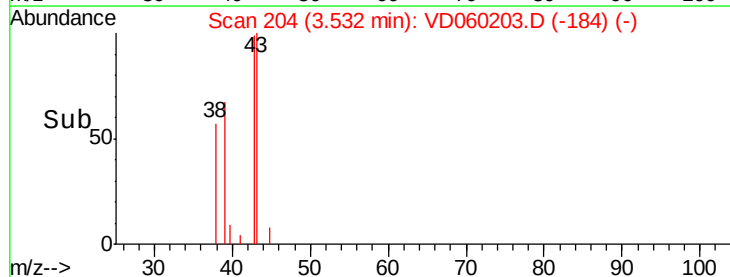
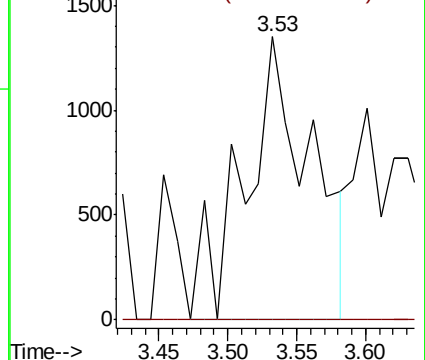
43 100

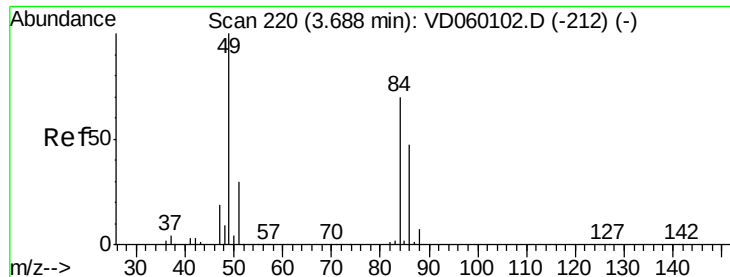
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

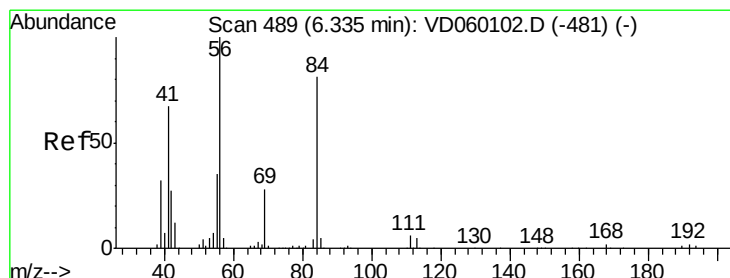
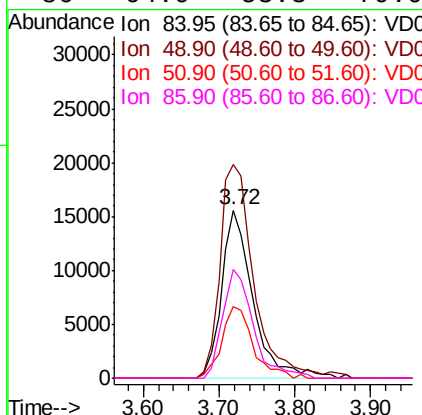
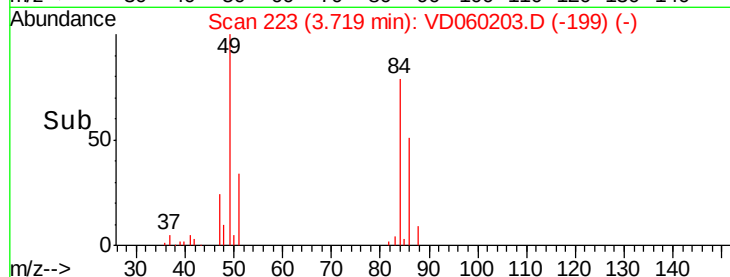
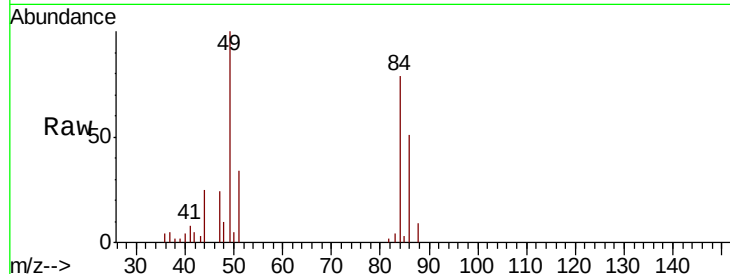




#20
Methylene Chloride
Concen: Below Cal
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060203.D
Acq: 25 Oct 2018 19:03

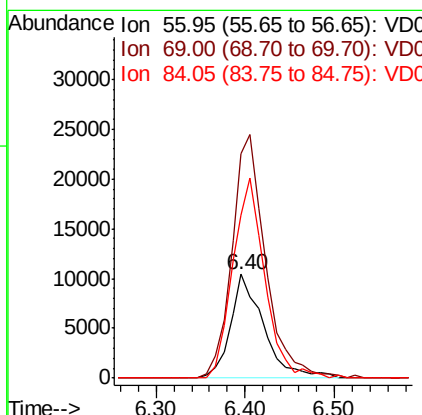
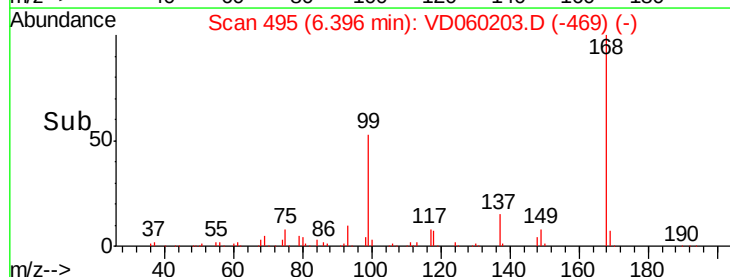
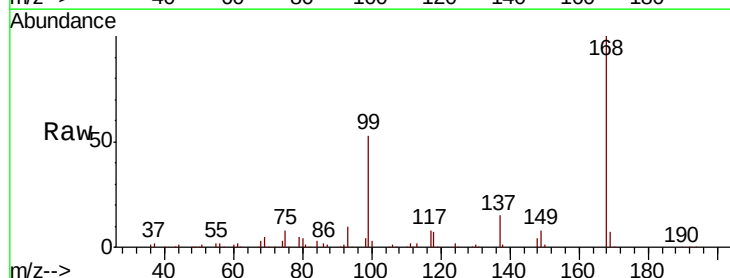
Instrument :
MSVOA_D
ClientSampleId :
JC-TS-005

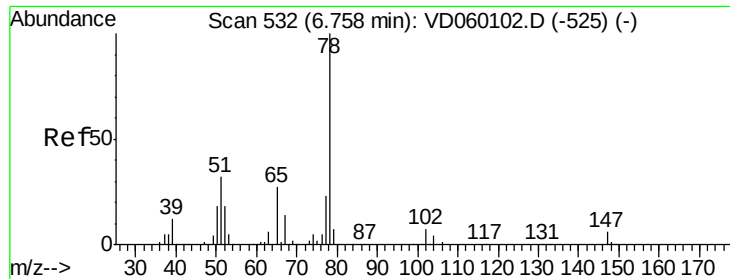
Tot Ion: 84 Resp: 44415
Ion Ratio Lower Upper
84 100
49 126.9 114.6 172.0
51 42.5 33.8 50.8
86 64.9 53.3 79.9



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 6.40 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060203.D
Acq: 25 Oct 2018 19:03

Tgt Ion: 56 Resp: 27180
Ion Ratio Lower Upper
56 100
69 215.8 22.8 34.2#
84 157.6 64.9 97.3#

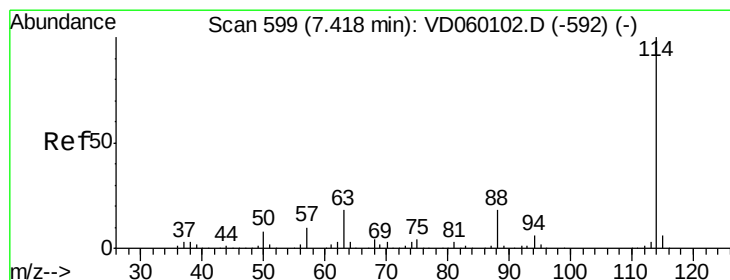
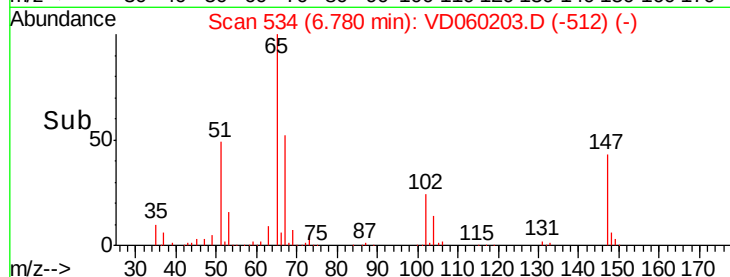
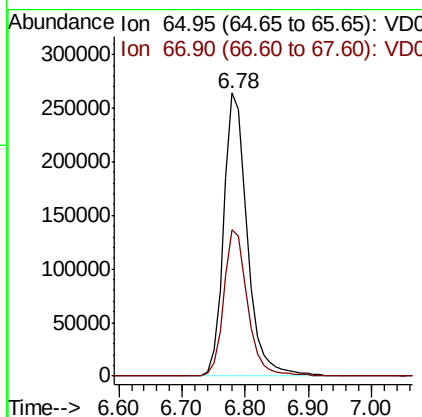
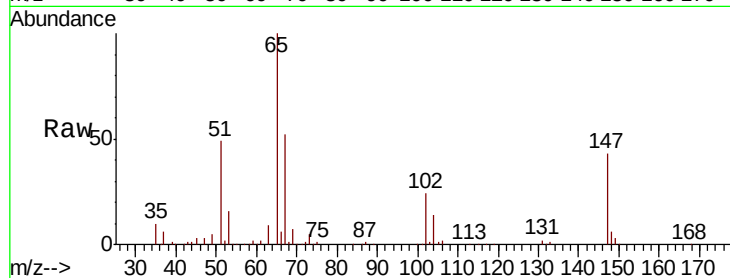




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060203.D
 Acq: 25 Oct 2018 19:03

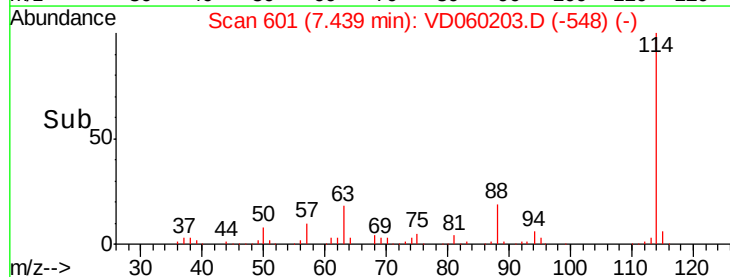
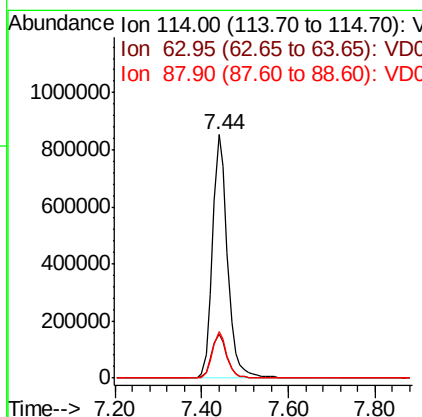
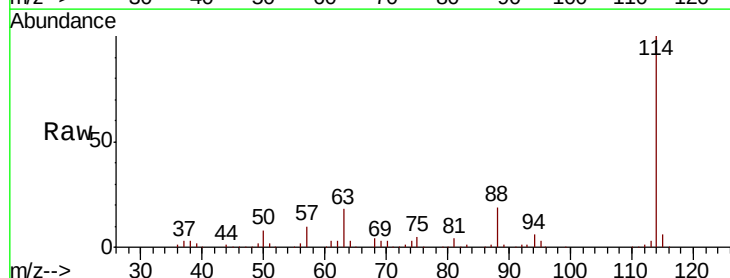
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-TS-005

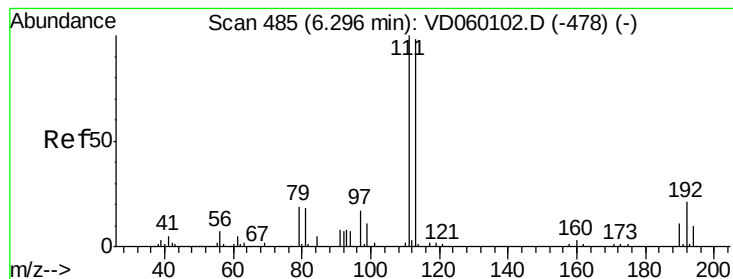
Tot Ion: 65 Resp: 685017
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060203.D
 Acq: 25 Oct 2018 19:03

Tgt Ion: 114 Resp: 2060531
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.0
 88 19.1 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-005

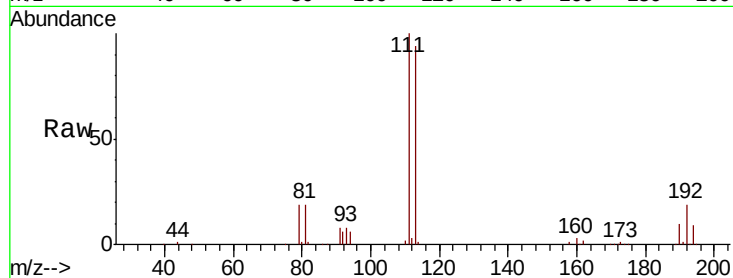
Tot Ion:113 Resp: 831083

Ion Ratio Lower Upper

113 100

111 106.0 81.5 122.3

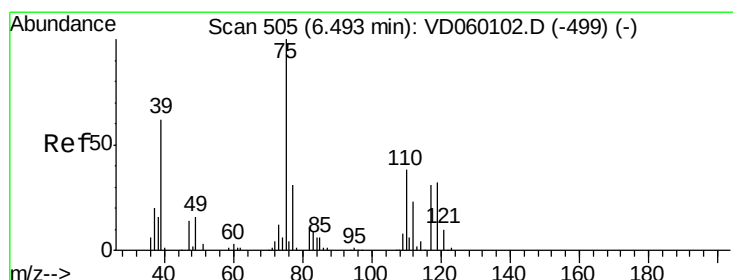
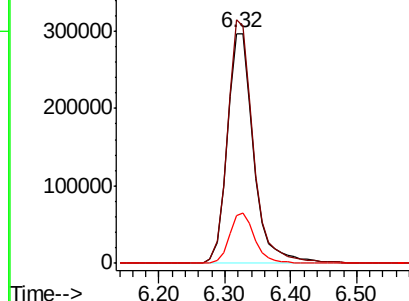
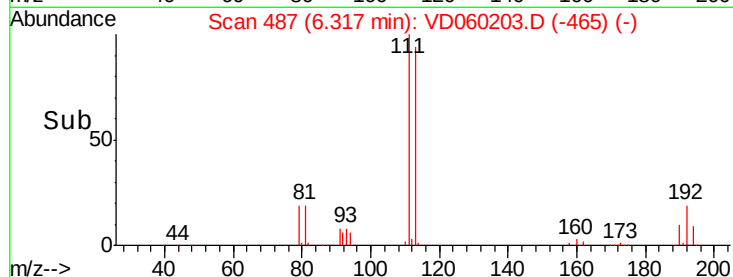
192 20.6 17.4 26.0



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: 5.577 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

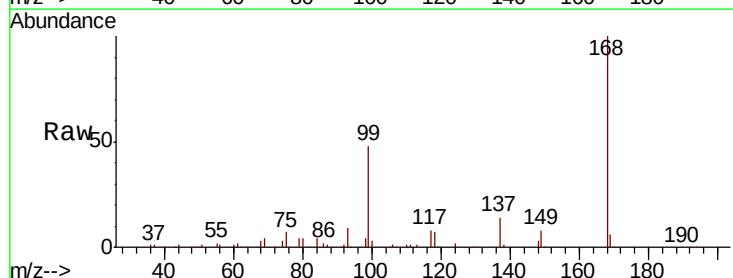
Tgt Ion: 75 Resp: 109811

Ion Ratio Lower Upper

75 100

110 8.1 19.0 57.0#

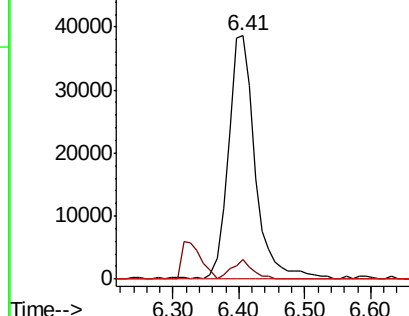
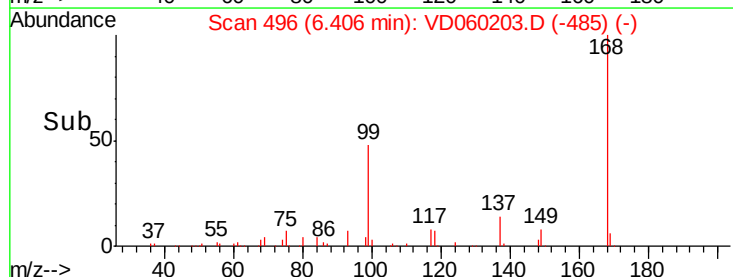
77 0.0 24.9 37.3#

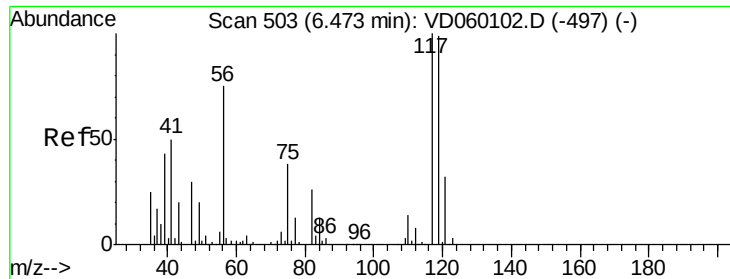


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

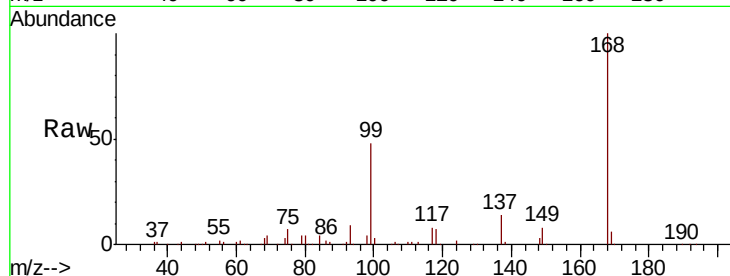




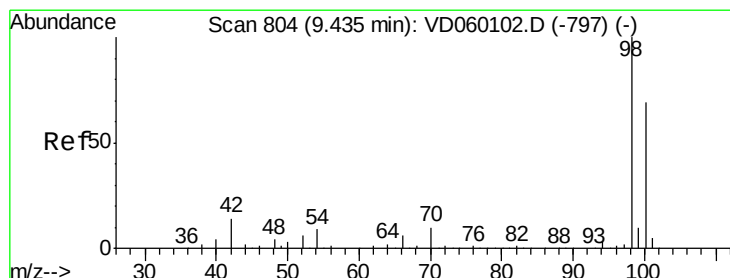
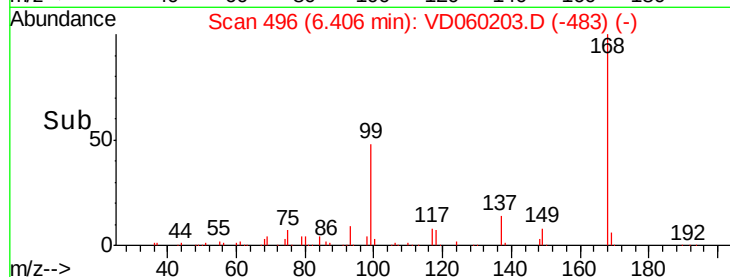
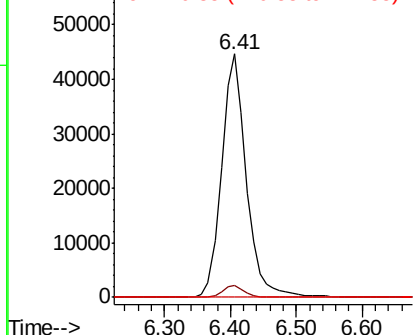
#38
Carbon Tetrachloride
Concen: 6.520 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.07 min
Lab File: VD060203.D
Acq: 25 Oct 2018 19:03

Instrument :
MSVOA_D
ClientSampleId :
JC-TS-005

Tot Ion:117 Resp: 116527
Ion Ratio Lower Upper
117 100
119 4.6 77.8 116.6#
121 0.0 24.8 37.2#

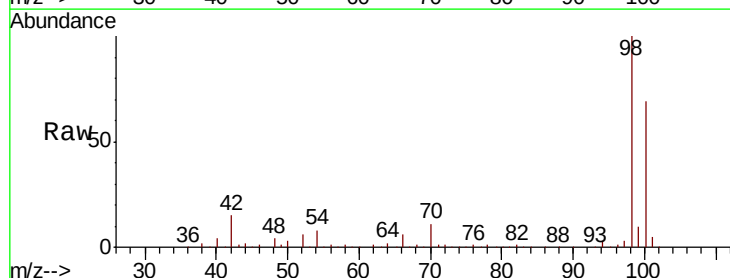


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

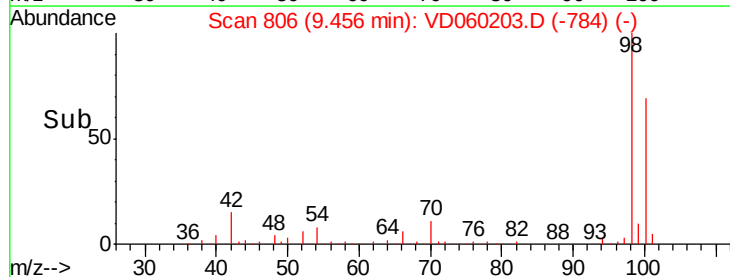
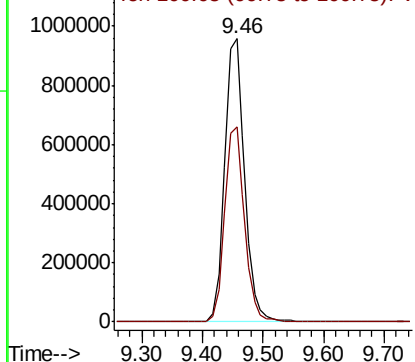


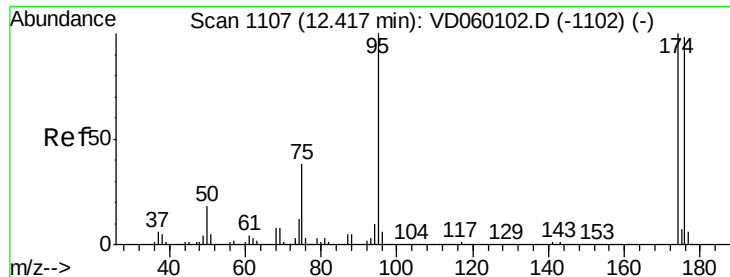
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060203.D
Acq: 25 Oct 2018 19:03

Tgt Ion: 98 Resp: 2179279
Ion Ratio Lower Upper
98 100
100 68.7 55.4 83.0



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-005

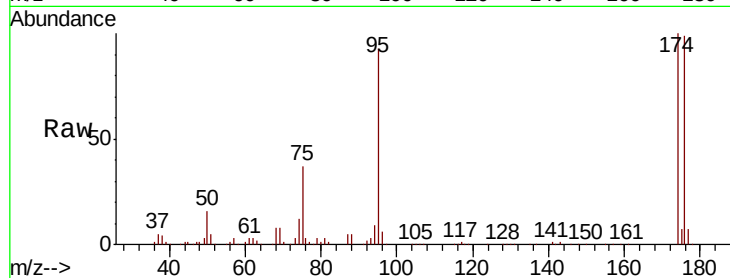
Tot Ion: 95 Resp: 650835

Ion Ratio Lower Upper

95 100

174 107.1 0.0 200.2

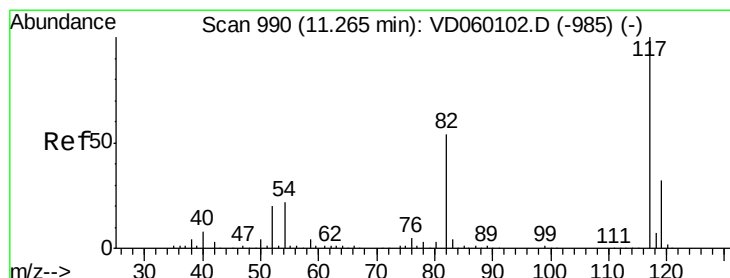
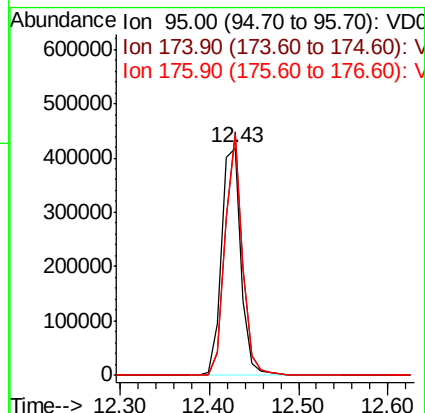
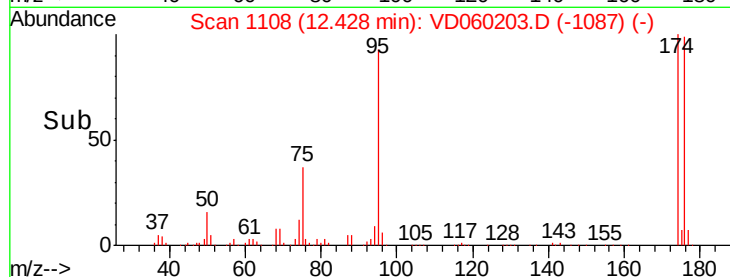
176 105.7 0.0 195.6



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: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

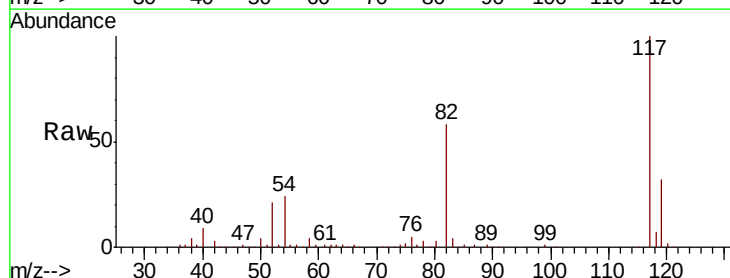
Tgt Ion: 117 Resp: 1507409

Ion Ratio Lower Upper

117 100

82 58.1 43.4 65.2

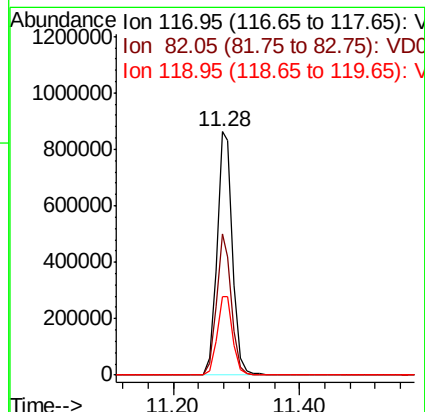
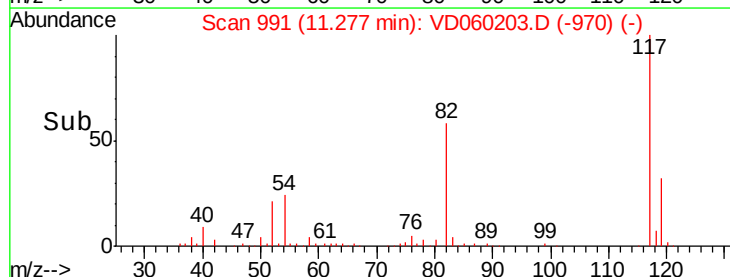
119 32.3 26.0 39.0

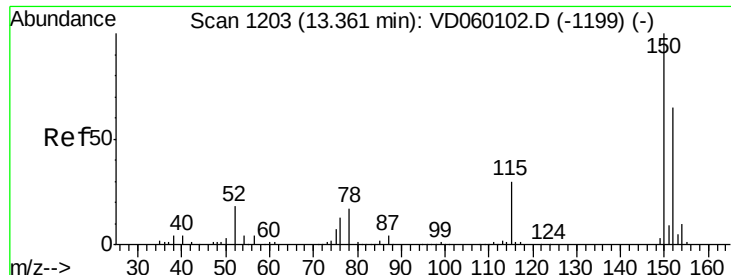


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-005

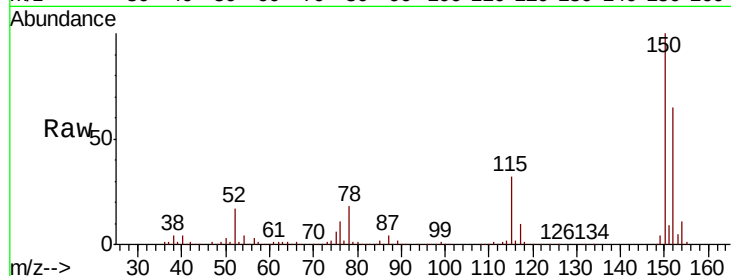
Tot Ion:152 Resp: 560719

Ion Ratio Lower Upper

152 100

115 48.7 27.1 81.2

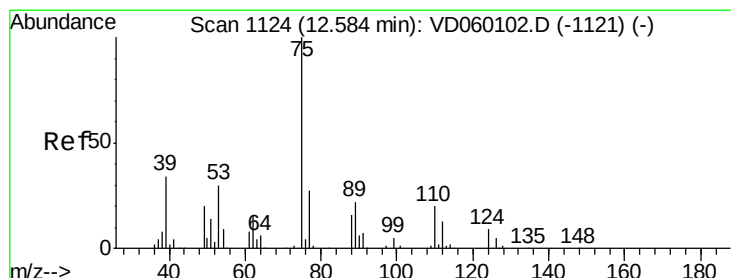
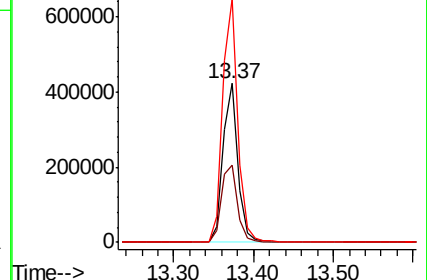
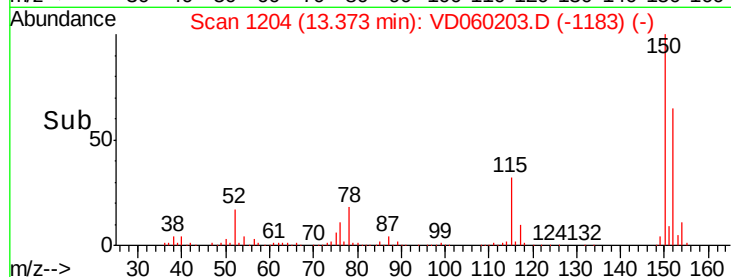
150 153.4 0.0 311.8



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: 29.212 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060203.D

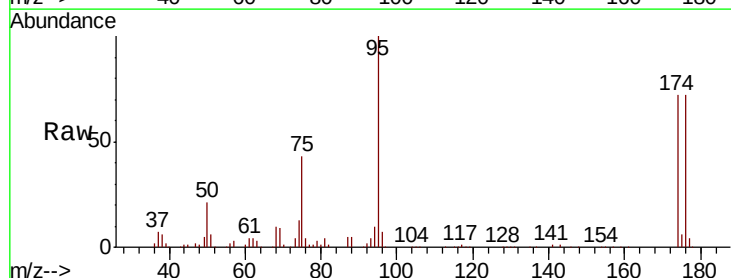
Acq: 25 Oct 2018 19:03

Tgt Ion: 75 Resp: 235885

Ion Ratio Lower Upper

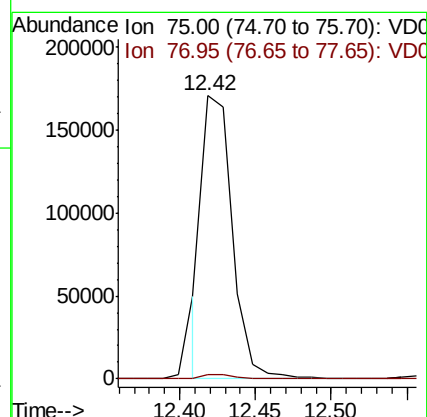
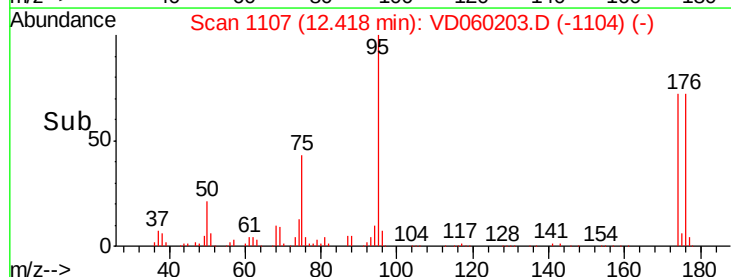
75 100

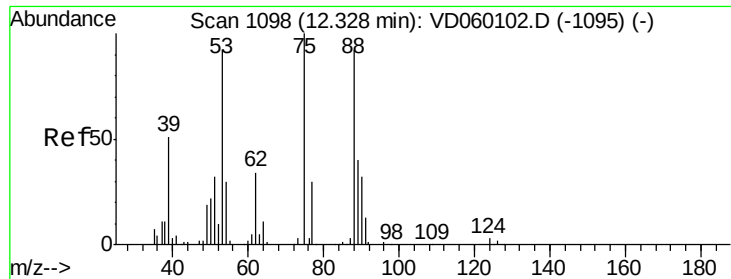
77 1.4 16.3 48.9#



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: 118.186 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060203.D

Acq: 25 Oct 2018 19:03

Instrument :

MSVOA_D

ClientSampleId :

JC-TS-005

Tot Ion: 75 Resp: 268161

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

