

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060211.D
 Acq On : 25 Oct 2018 22:48
 Operator : JC/SY
 Sample : J5675-01
 Misc : 6.35g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

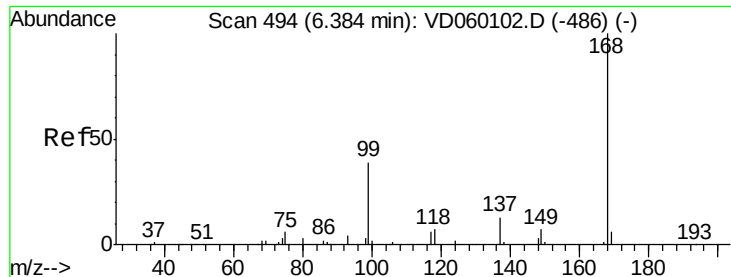
Quant Time: Oct 26 03:45:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	84425	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	140562	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	145984	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	84923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	80707	126.11	ug/l	0.02
Spiked Amount			Recovery	=	252.22%	
35) Dibromofluoromethane	6.32	113	67928	63.64	ug/l	0.03
Spiked Amount			Recovery	=	127.28%	
50) Toluene-d8	9.45	98	164743	54.13	ug/l	0.02
Spiked Amount			Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.42	95	78786	69.13	ug/l	0.00
Spiked Amount			Recovery	=	138.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	374	5.082	ug/l #	1
8) Diethyl Ether	2.82	74	592	4.103	ug/l	42
16) Acetone	3.15	43	12439	107.120	ug/l #	88
18) Methyl Acetate	3.53	43	1504	6.026	ug/l #	63
20) Methylene Chloride	3.71	84	5015	1.298	ug/l	94
25) 2-Butanone	5.60	43	4561	15.722	ug/l #	59
29) Tetrahydrofuran	5.94	42	1705	10.118	ug/l #	41
36) 1,1-Dichloropropene	6.39	75	6015	4.478	ug/l #	40
38) Carbon Tetrachloride	6.39	117	6020	4.938	ug/l #	11
52) Toluene	9.54	92	4245	1.876	ug/l	89
76) 1,2,3-Trichloropropane	12.42	75	31170	25.487	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	32033	93.215	ug/l #	13
95) Naphthalene	14.96	128	3194	1.064	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampled :

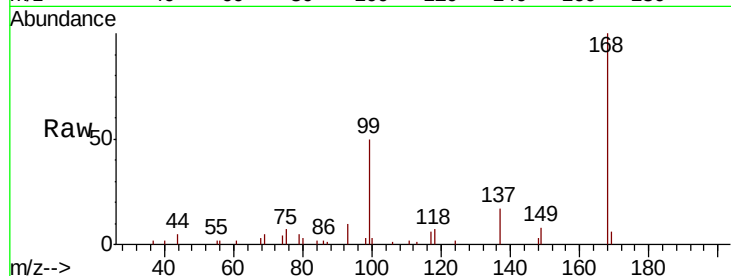
TP-5

Tot Ion:168 Resp: 84425

Ion Ratio Lower Upper

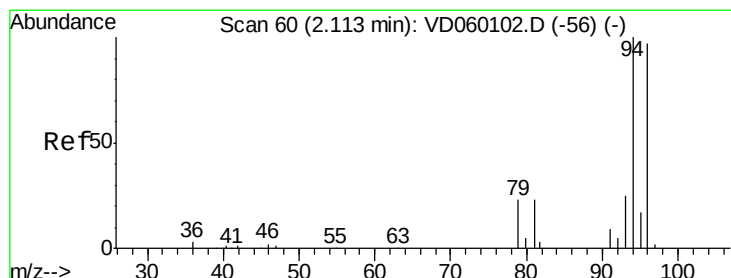
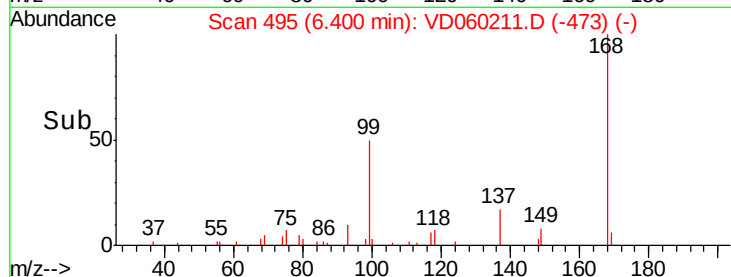
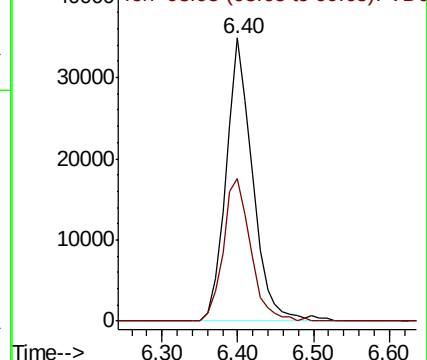
168 100

99 50.4 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 5.082 ug/l

RT: 2.20 min Scan# 68

Delta R.T. 0.08 min

Lab File: VD060211.D

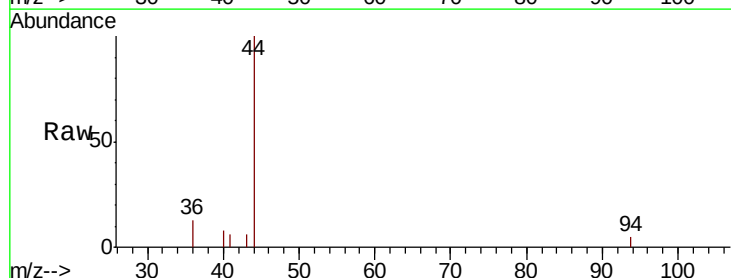
Acq: 25 Oct 2018 22:48

Tgt Ion: 94 Resp: 374

Ion Ratio Lower Upper

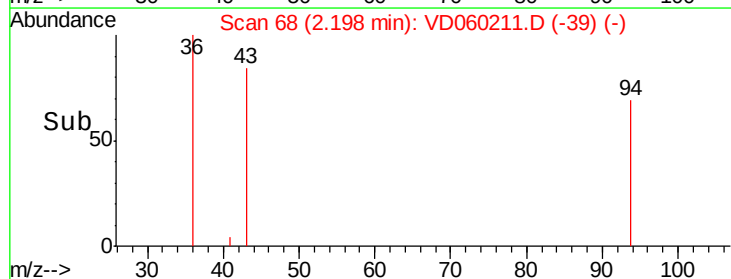
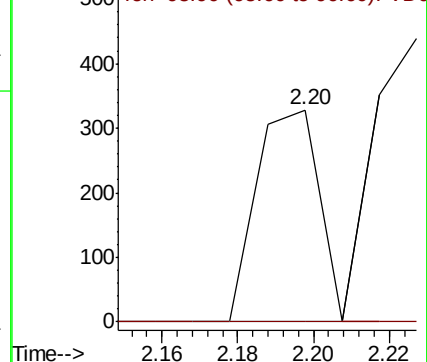
94 100

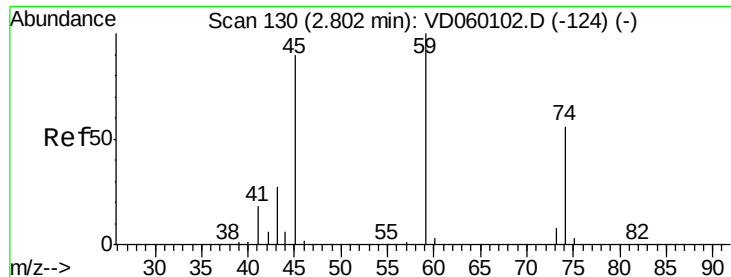
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 4.103 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampleId :

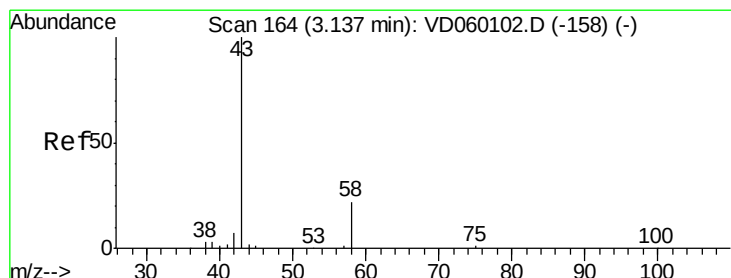
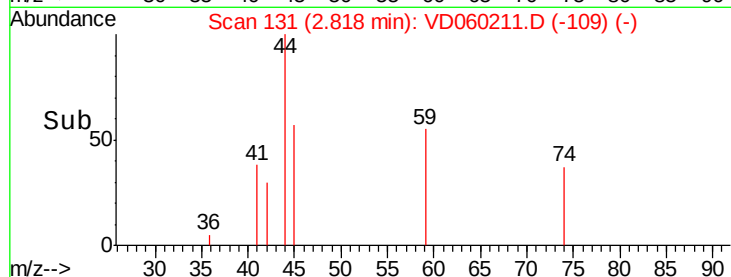
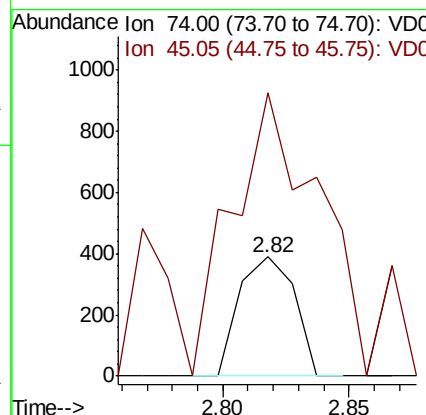
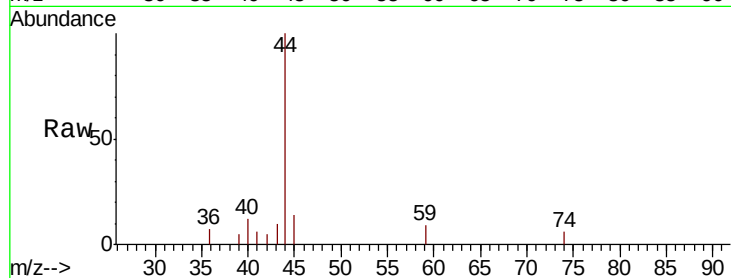
TP-5

Tot Ion: 74 Resp: 592

Ion Ratio Lower Upper

74 100

45 237.8 80.3 241.0



#16

Acetone

Concen: 107.120 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060211.D

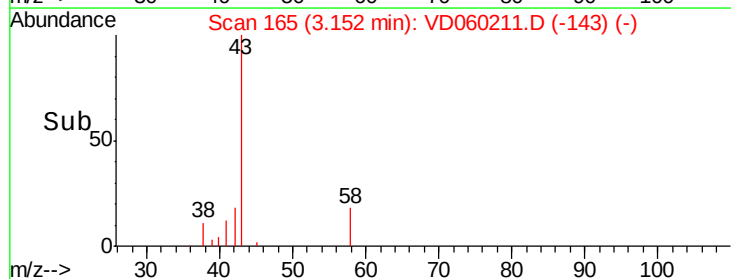
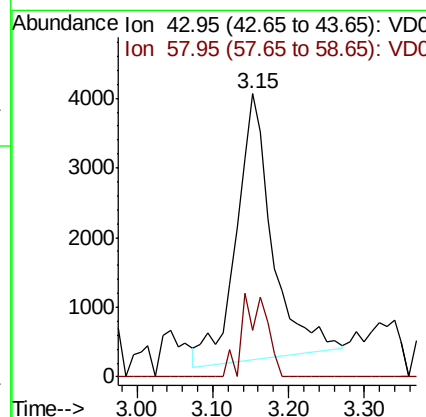
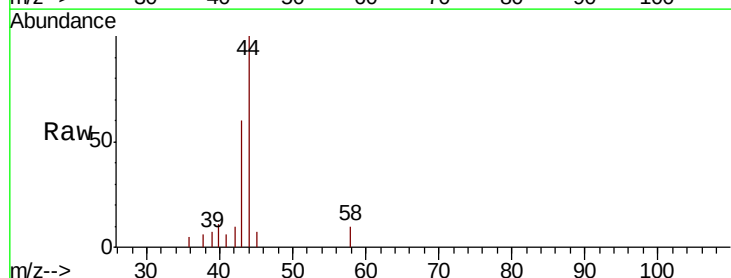
Acq: 25 Oct 2018 22:48

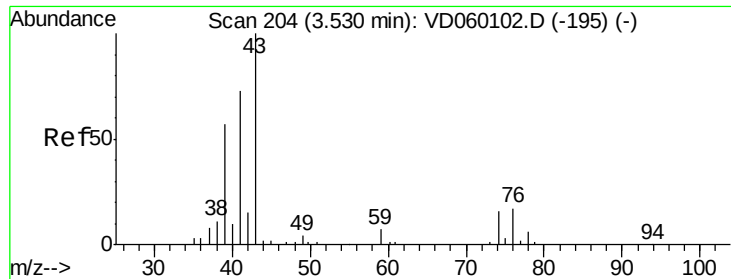
Tgt Ion: 43 Resp: 12439

Ion Ratio Lower Upper

43 100

58 16.4 17.7 26.5#





#18

Methyl Acetate

Concen: 6.026 ug/l

RT: 3.53 min Scan# 203

Delta R.T. -0.00 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampled :

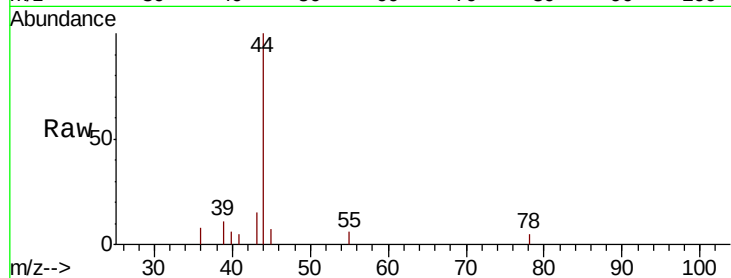
TP-5

Tot Ion: 43 Resp: 1504

Ion Ratio Lower Upper

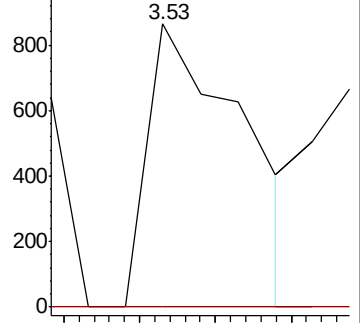
43 100

74 0.0 12.6 19.0#

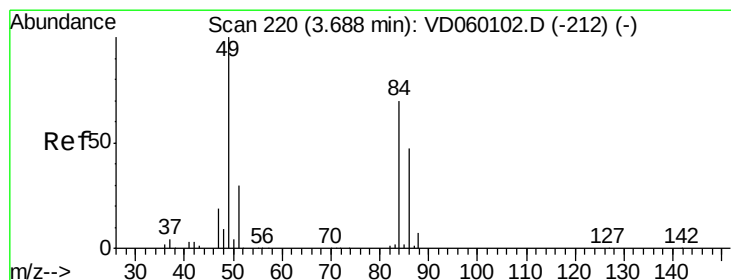
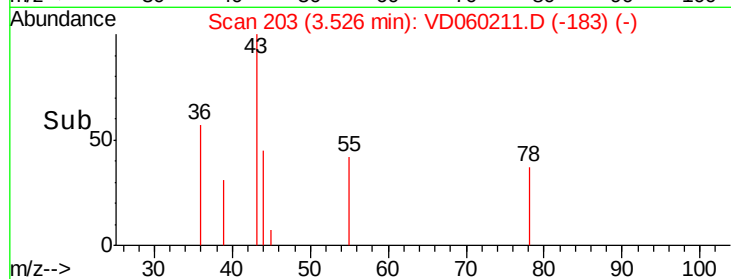


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->



#20

Methylene Chloride

Concen: 1.298 ug/l

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Tgt Ion: 84 Resp: 5015

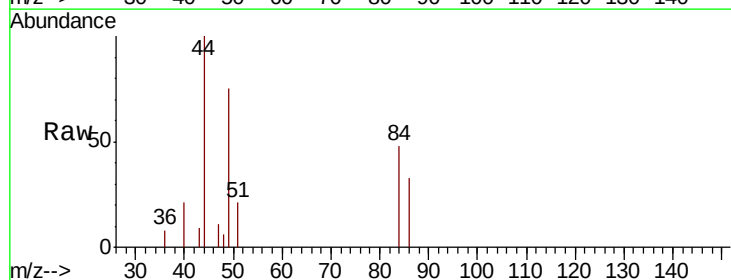
Ion Ratio Lower Upper

84 100

49 155.0 114.6 172.0

51 42.8 33.8 50.8

86 68.8 53.3 79.9

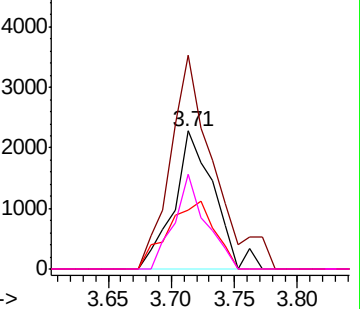


Abundance Ion 83.95 (83.65 to 84.65): VDC

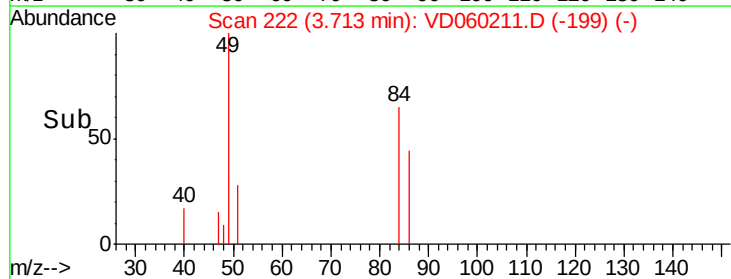
Ion 48.90 (48.60 to 49.60): VDC

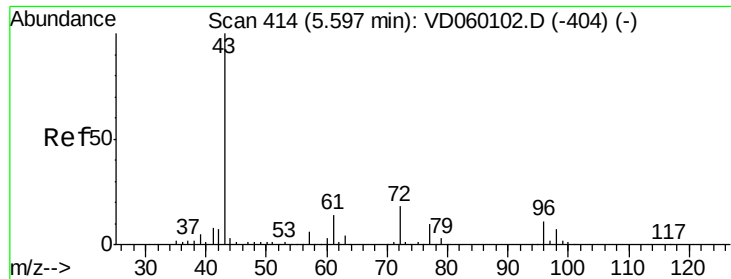
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#25

2-Butanone

Concen: 15.722 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampleId :

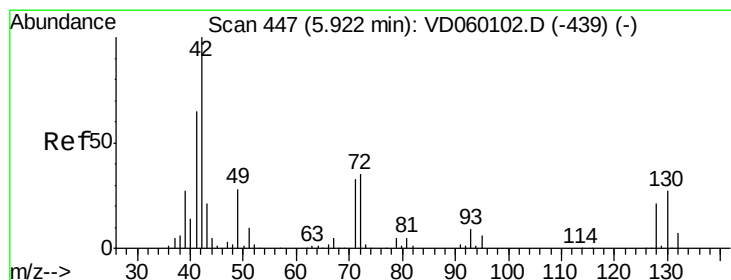
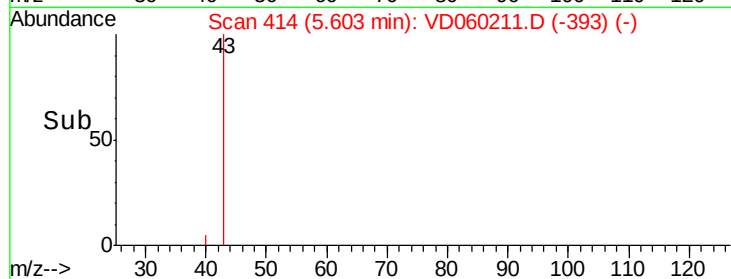
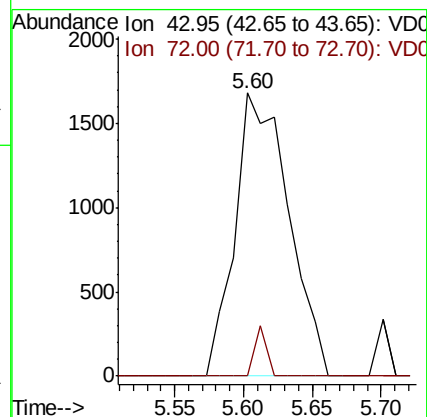
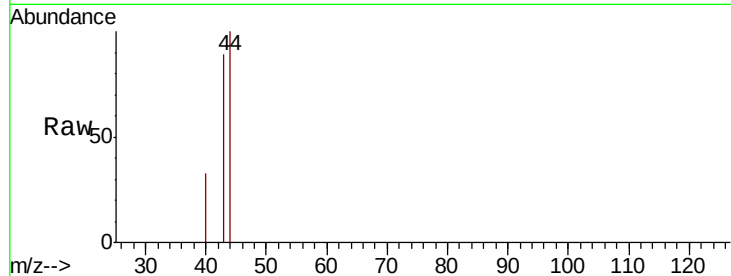
TP-5

Tot Ion: 43 Resp: 4561

Ion Ratio Lower Upper

43 100

72 0.0 14.5 21.7#



#29

Tetrahydrofuran

Concen: 10.118 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

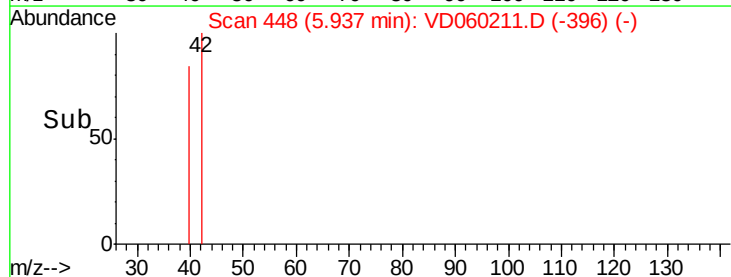
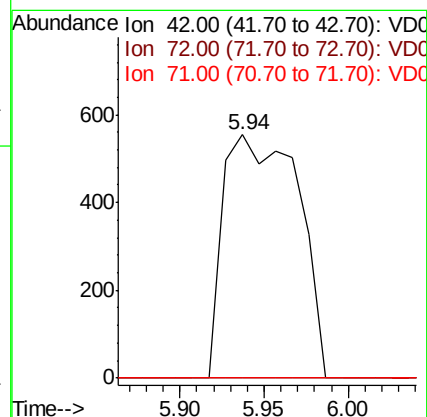
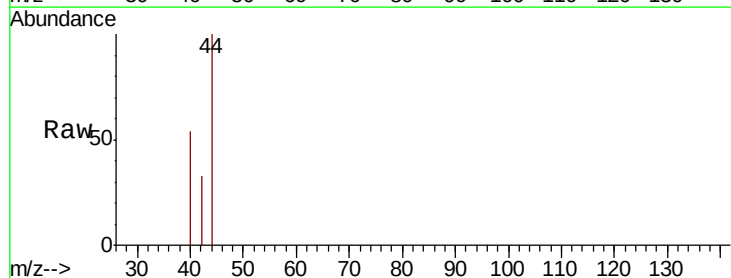
Tgt Ion: 42 Resp: 1705

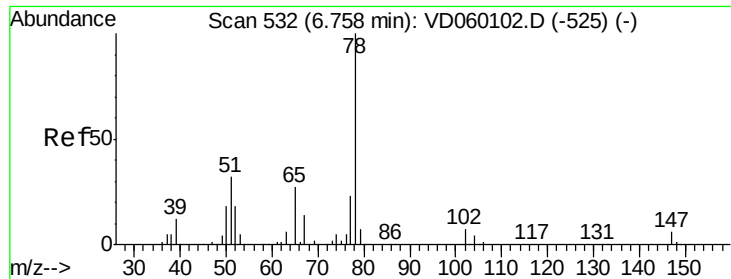
Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

71 0.0 26.7 40.1#

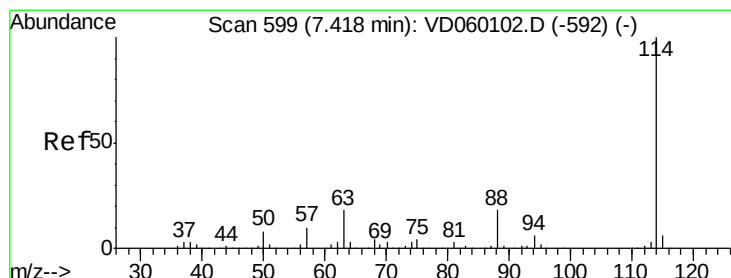
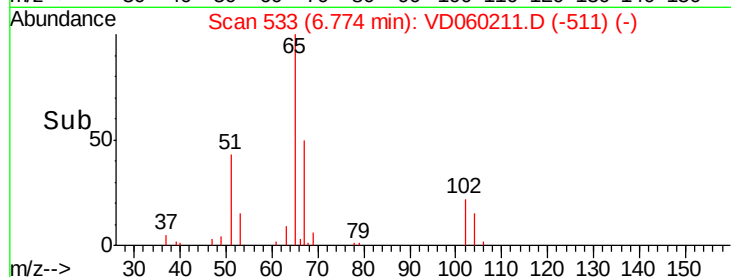
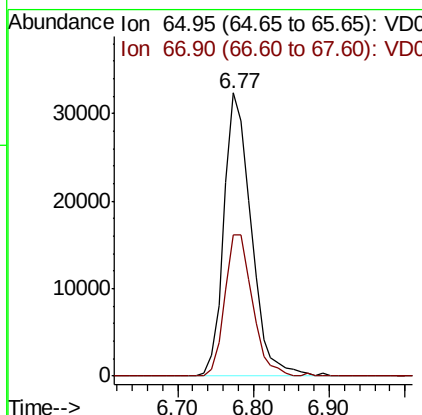
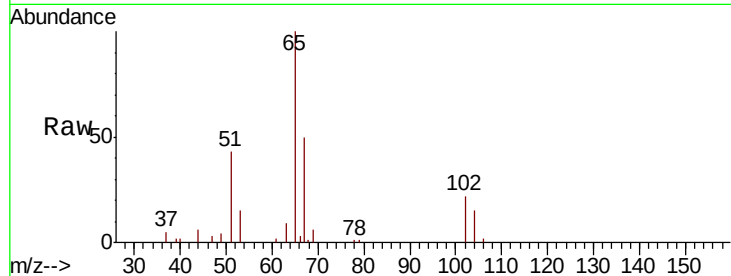




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

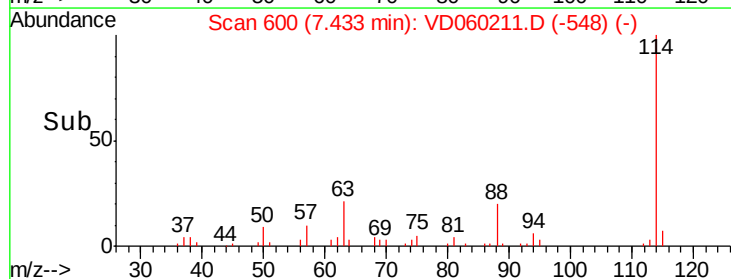
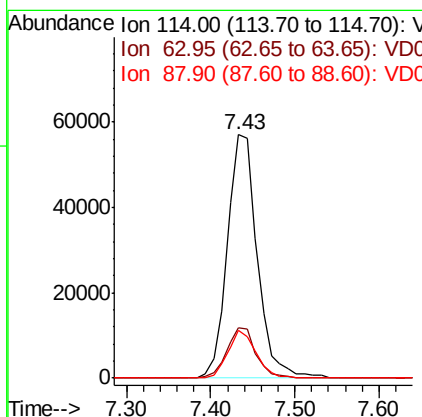
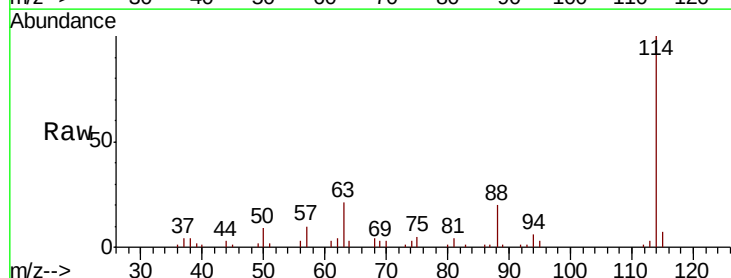
Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

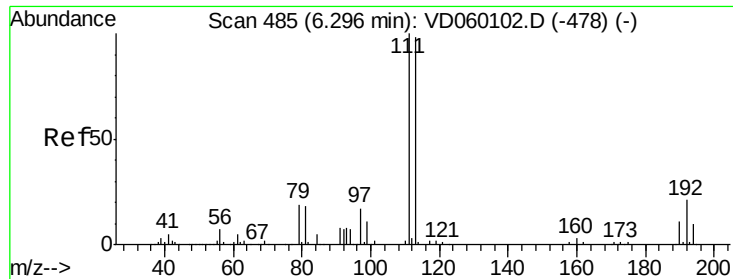
Tot Ion: 65 Resp: 80707
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.02 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

Tgt Ion: 114 Resp: 140562
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 36.0
 88 19.8 0.0 36.2

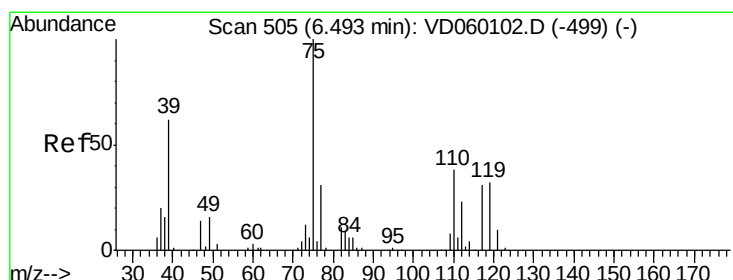
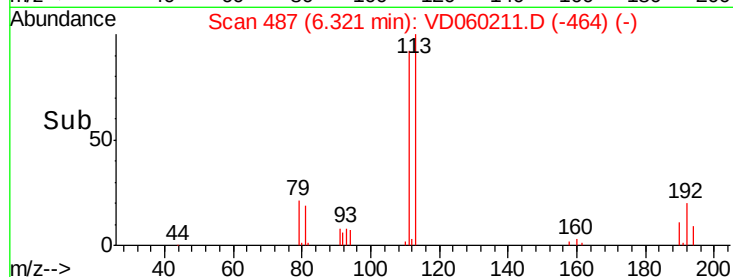
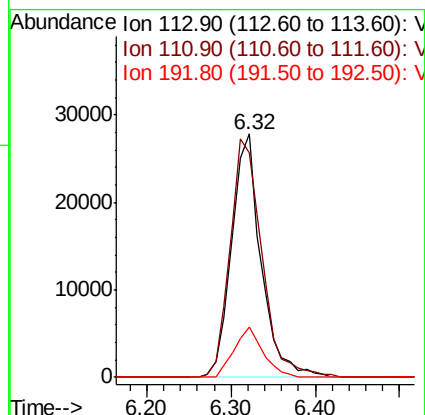
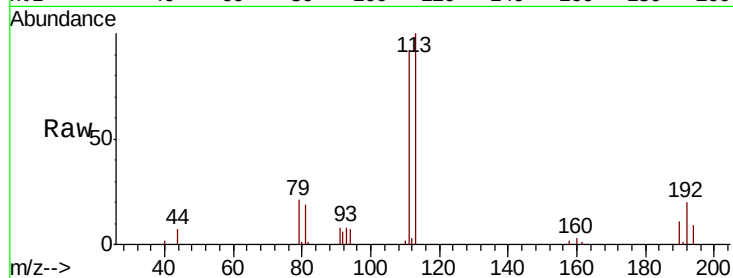




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.03 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

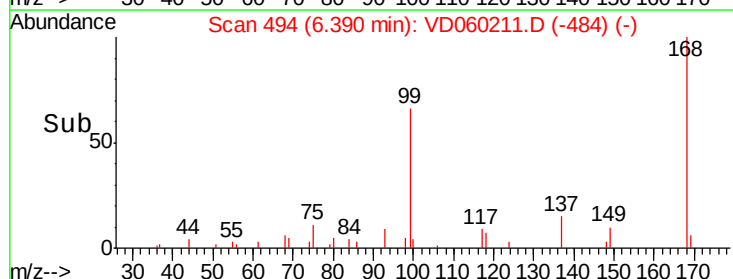
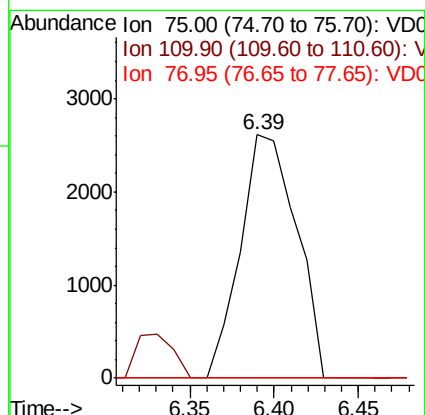
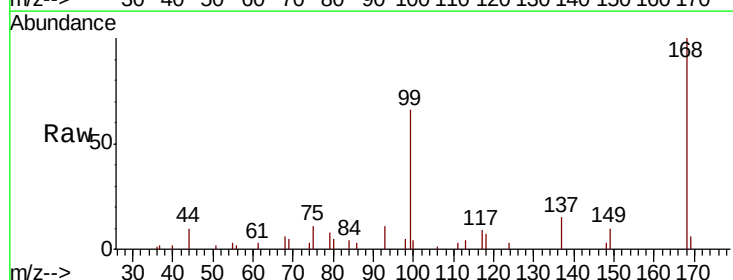
Instrument :
 MSVOA_D
 ClientSampled :
 TP-5

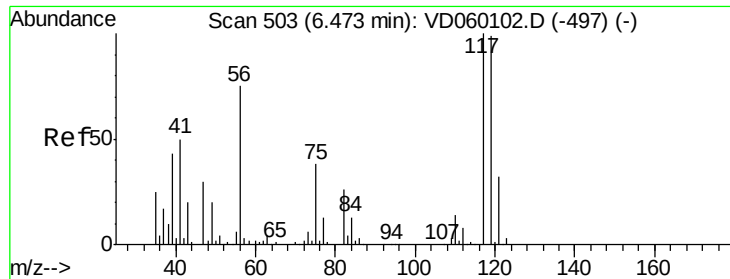
Tot Ion:113 Resp: 67928
 Ion Ratio Lower Upper
 113 100
 111 92.1 81.5 122.3
 192 20.5 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.10 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

Tgt Ion: 75 Resp: 6015
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.0 57.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.938 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.08 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampleID :

TP-5

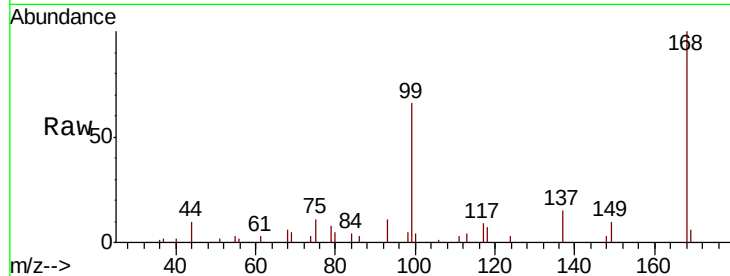
Tot Ion:117 Resp: 6020

Ion Ratio Lower Upper

117 100

119 0.0 77.8 116.6#

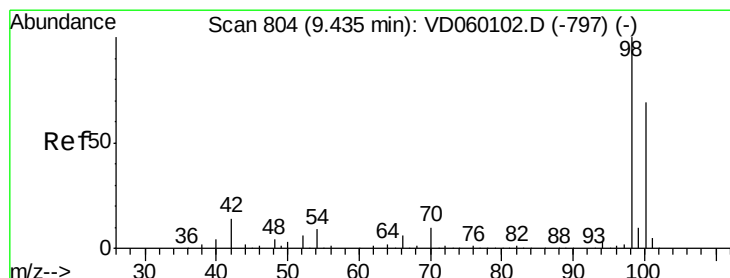
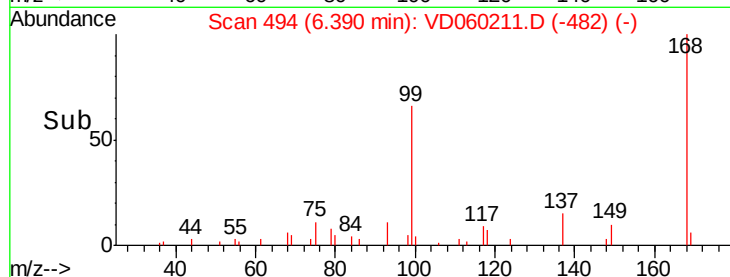
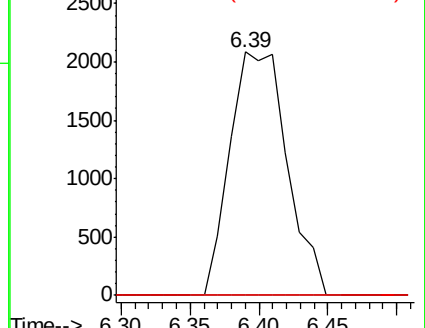
121 0.0 24.8 37.2#



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# 805

Delta R.T. 0.02 min

Lab File: VD060211.D

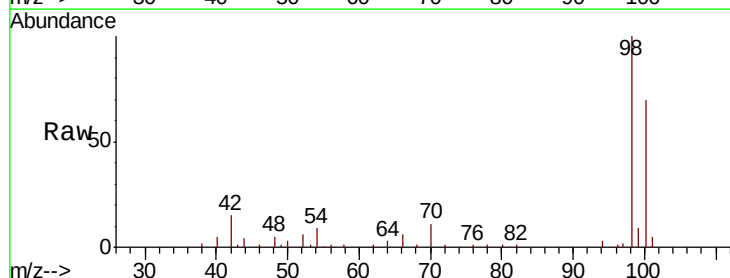
Acq: 25 Oct 2018 22:48

Tgt Ion: 98 Resp: 164743

Ion Ratio Lower Upper

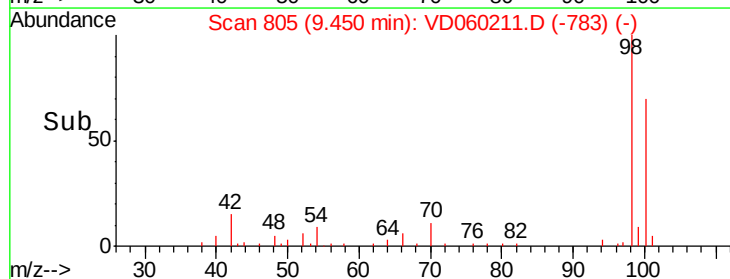
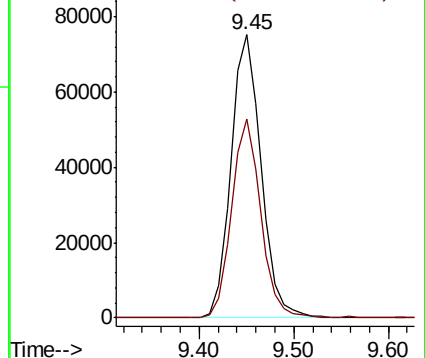
98 100

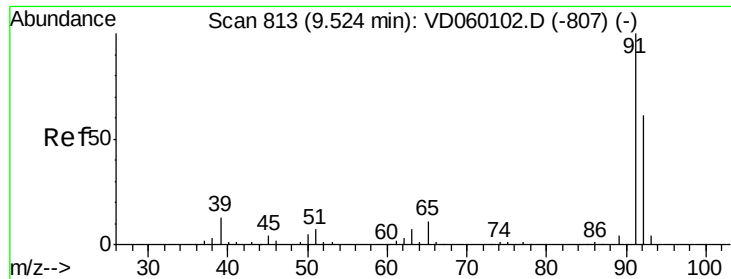
100 70.2 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.876 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.02 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampleId :

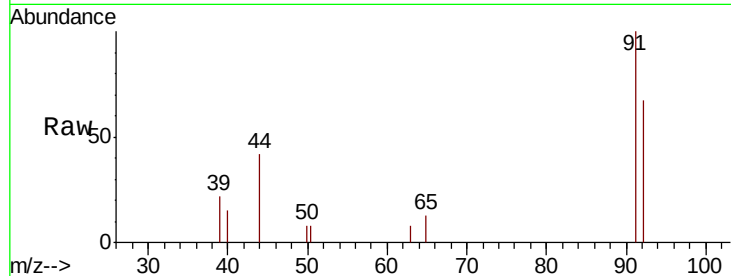
TP-5

Tot Ion: 92 Resp: 4245

Ion Ratio Lower Upper

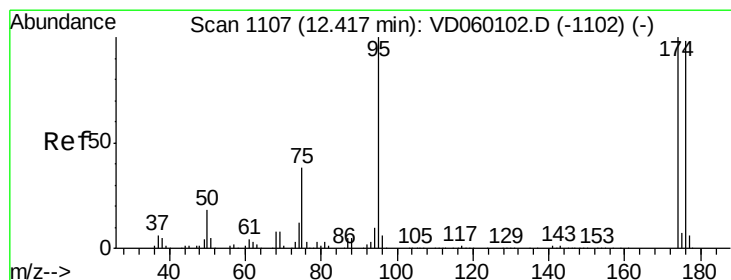
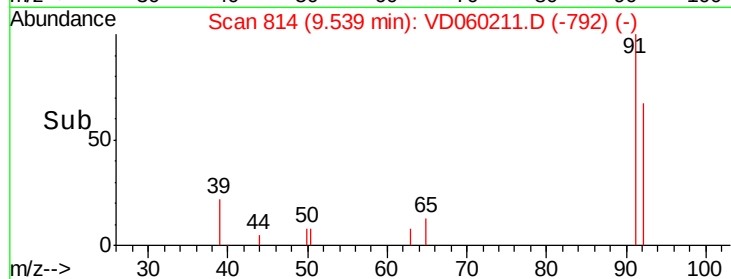
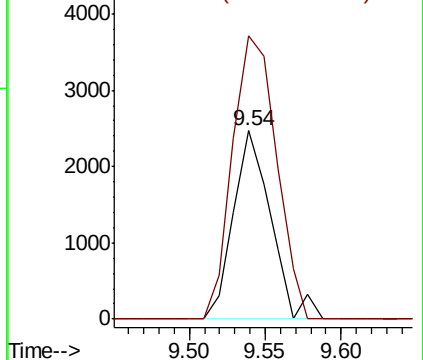
92 100

91 150.1 131.9 197.9



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: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060211.D

Acq: 25 Oct 2018 22:48

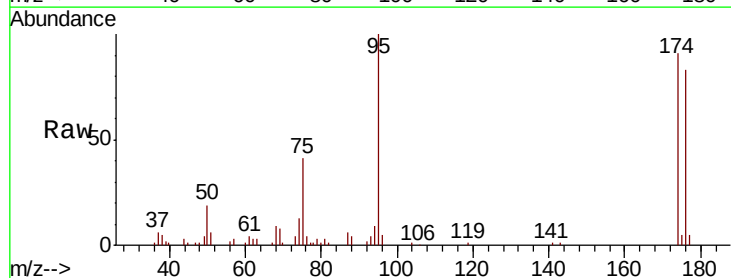
Tgt Ion: 95 Resp: 78786

Ion Ratio Lower Upper

95 100

174 90.7 0.0 200.2

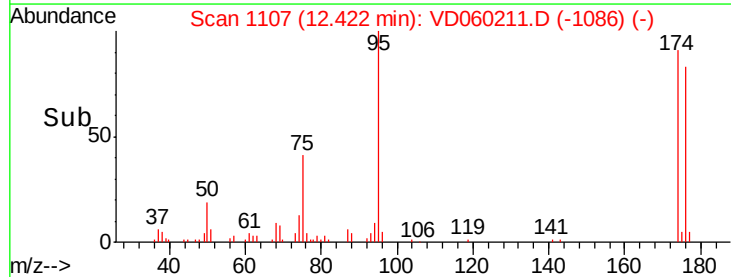
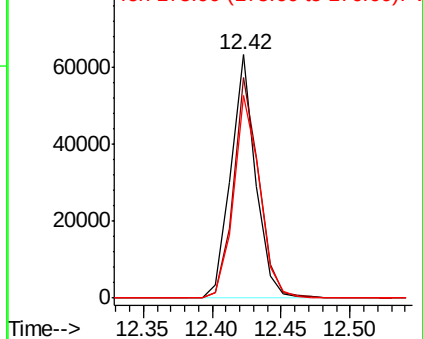
176 83.2 0.0 195.6

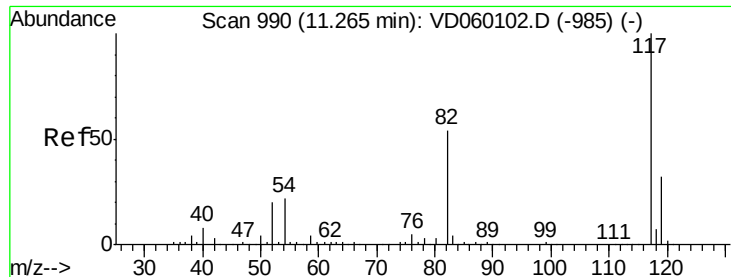


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

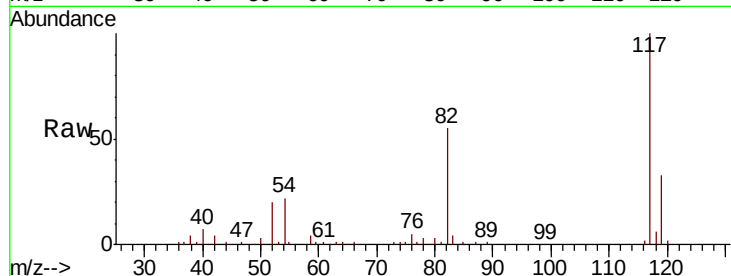




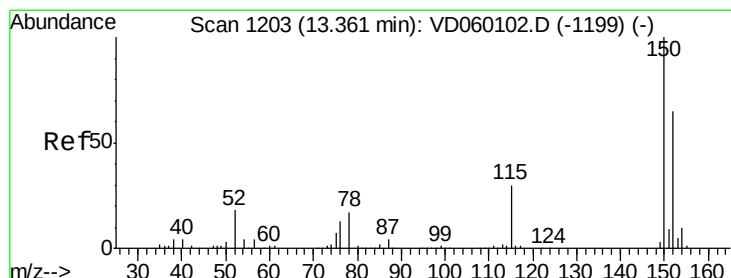
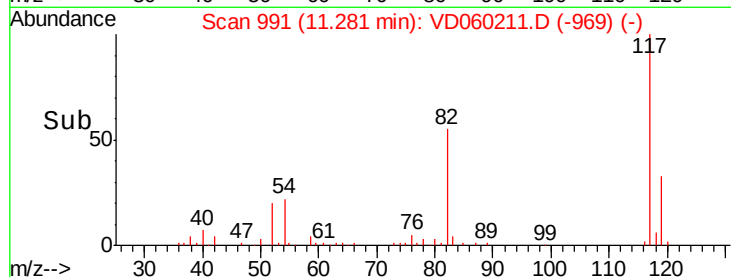
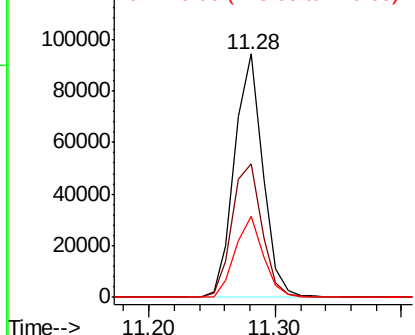
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.02 min
Lab File: VD060211.D
Acq: 25 Oct 2018 22:48

Instrument :
MSVOA_D
ClientSampleId :
TP-5

Tot Ion:117 Resp: 145984
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.2
119 33.1 26.0 39.0

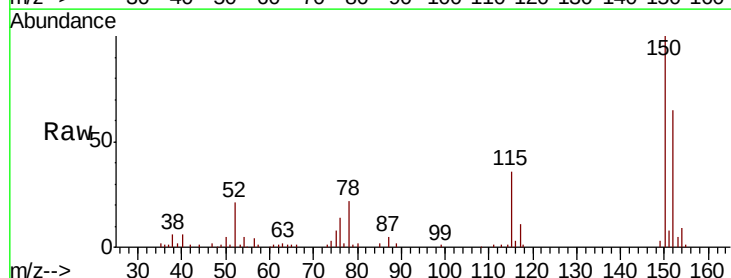


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

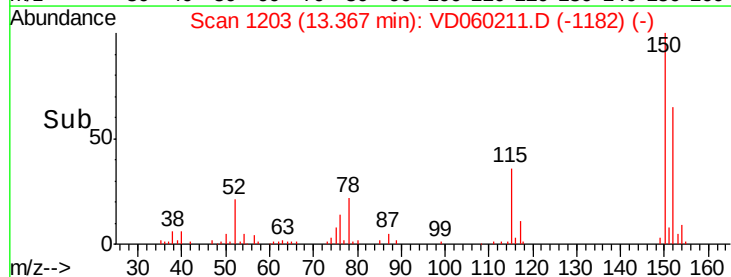
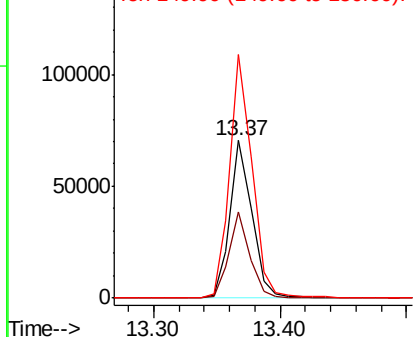


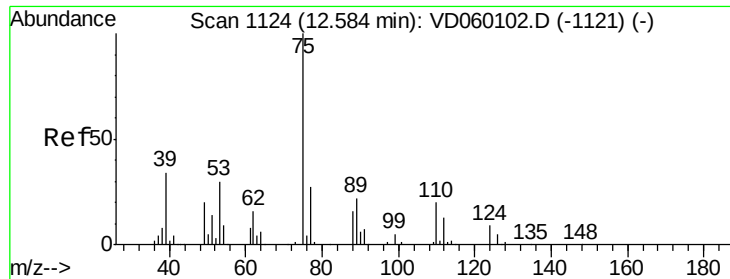
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060211.D
Acq: 25 Oct 2018 22:48

Tgt Ion:152 Resp: 84923
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.2
150 154.3 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

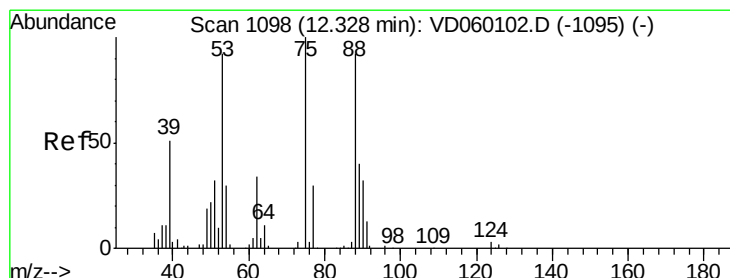
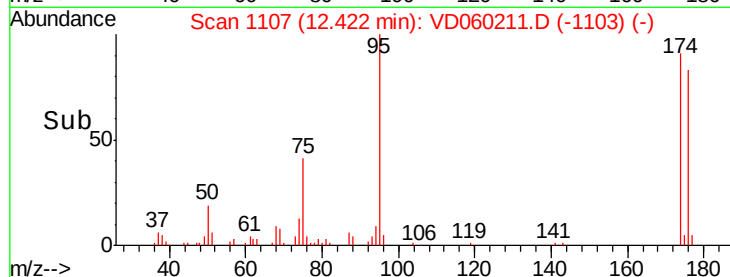
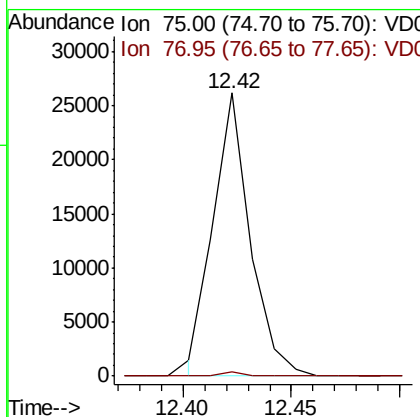
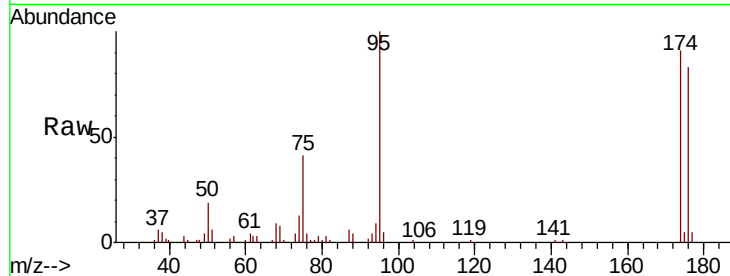




#76
 1,2,3-Trichloropropane
 Concen: 25.487 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.16 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

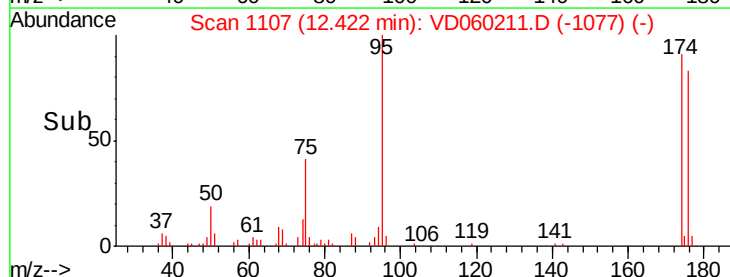
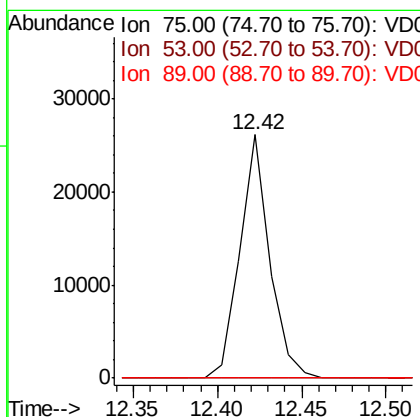
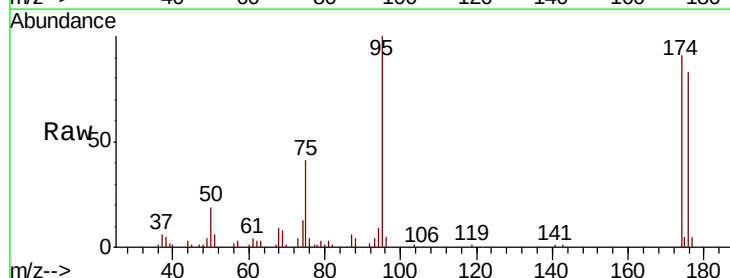
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-5

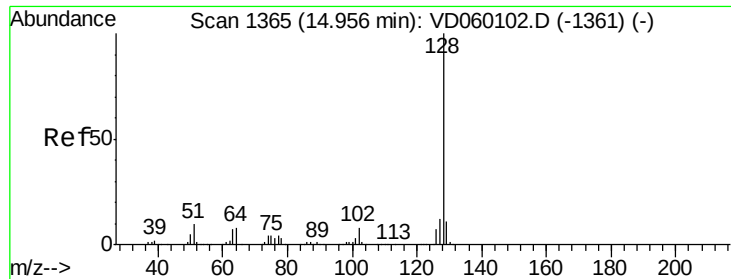
Tot Ion: 75 Resp: 31170
 Ion Ratio Lower Upper
 75 100
 77 1.7 16.3 48.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.215 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.09 min
 Lab File: VD060211.D
 Acq: 25 Oct 2018 22:48

Tgt Ion: 75 Resp: 32033
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.6#
 89 0.0 32.0 48.0#





#95

Naphthalene

Concen: 1.064 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD060211.D

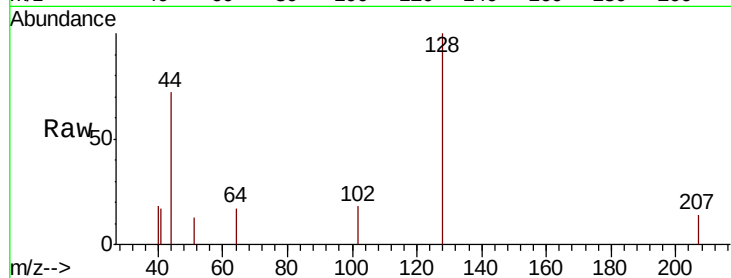
Acq: 25 Oct 2018 22:48

Instrument :

MSVOA_D

ClientSampleId :

TP-5



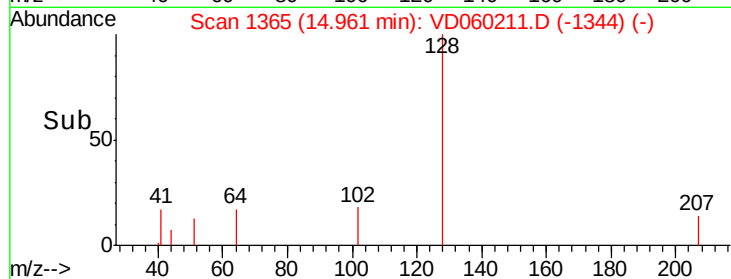
Tot Ion:128 Resp: 3194

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

