

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060236.D
 Acq On : 29 Oct 2018 18:34
 Operator : VA/AP
 Sample : J5194-11
 Misc : 6.61g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-102618-C

Quant Time: Oct 30 01:37:00 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

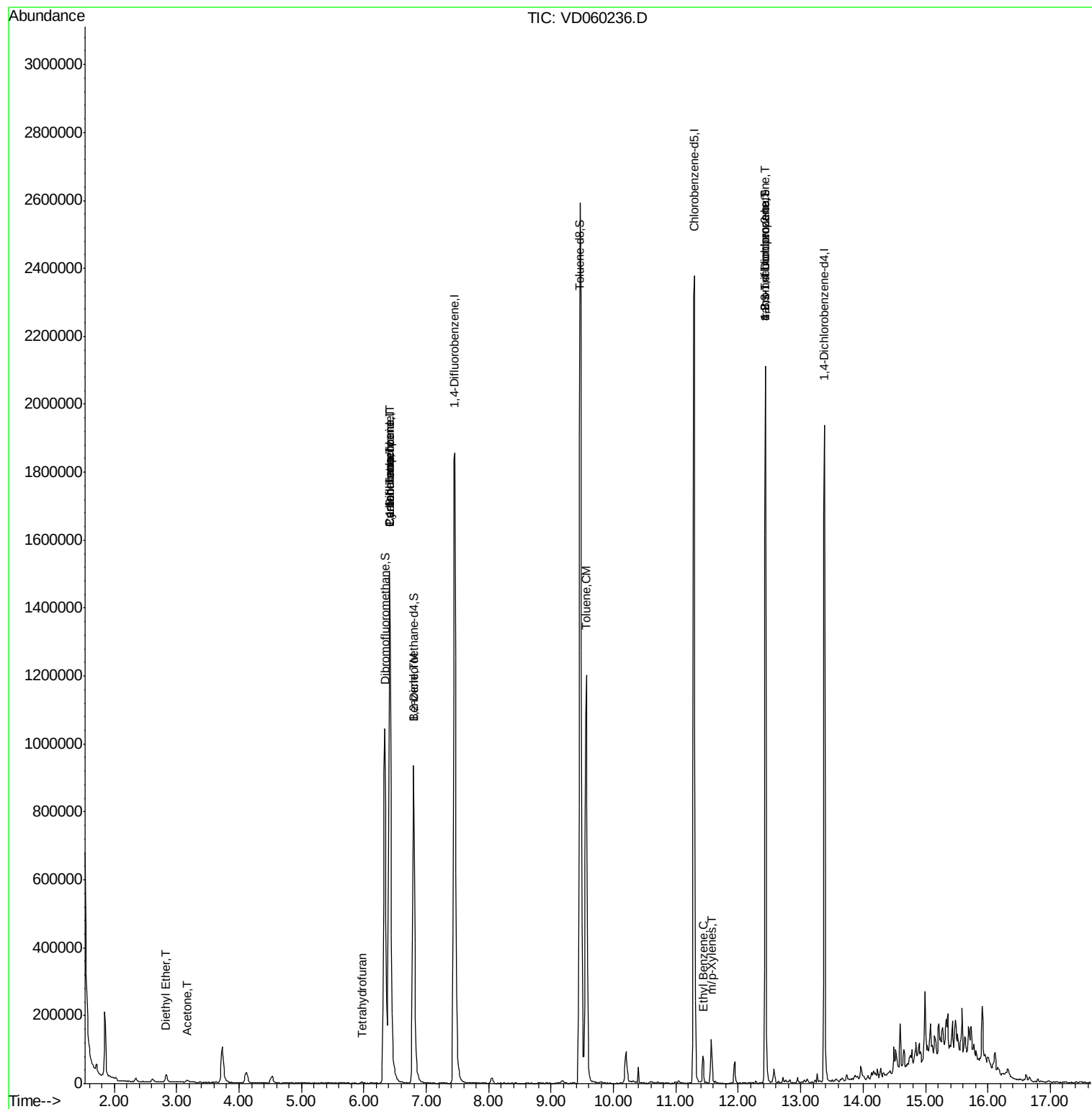
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1485857	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2099921	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.29	117	1423686	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.38	152	475250	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	646954	57.44	ug/l	0.04
Spiked Amount	50.000		Recovery	=	114.88%	
35) Dibromofluoromethane	6.34	113	838671	52.59	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.18%	
50) Toluene-d8	9.46	98	2183683	48.02	ug/l	0.03
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.44	95	615262	36.14	ug/l	0.02
Spiked Amount	50.000		Recovery	=	72.28%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.83	74	8926	3.515	ug/l	77
16) Acetone	3.17	43	12507	6.120	ug/l	92
20) Methylene Chloride	3.73	84	68577	Below Cal		94
29) Tetrahydrofuran	5.96	42	3571	1.204	ug/l #	77
31) Cyclohexane	6.41	56	33560	1.375	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	99936	4.980	ug/l #	46
38) Carbon Tetrachloride	6.41	117	120061	6.592	ug/l #	15
40) Benzene	6.81	78	171022	3.258	ug/l	98
52) Toluene	9.56	92	658795	19.485	ug/l	100
67) Ethyl Benzene	11.43	91	54189	1.086	ug/l	98
68) m/p-Xylenes	11.57	106	38818	2.082	ug/l	92
76) 1,2,3-Trichloropropane	12.44	75	240445	35.131	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	240603	125.110	ug/l #	13

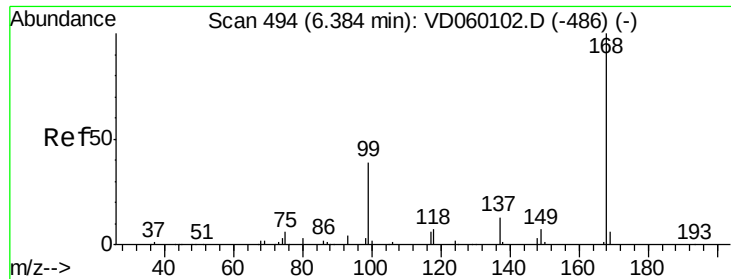
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 01:37:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
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Response via : Initial Calibration

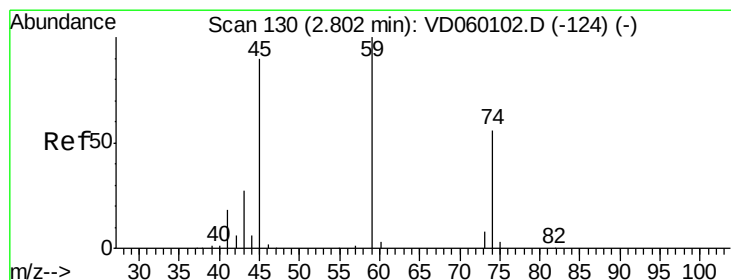
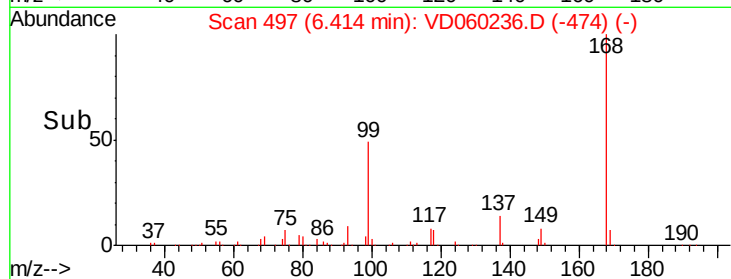
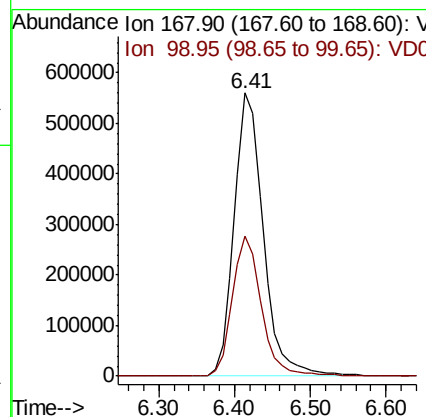
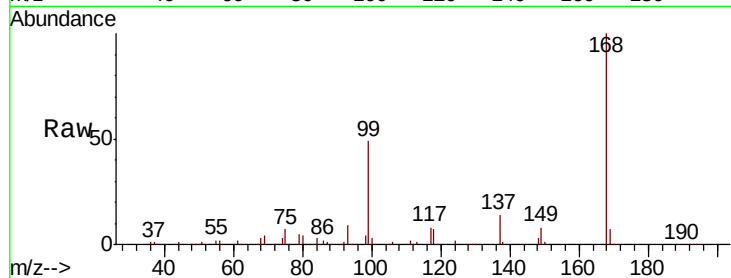




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.41 min Scan# 497
Delta R.T. 0.03 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

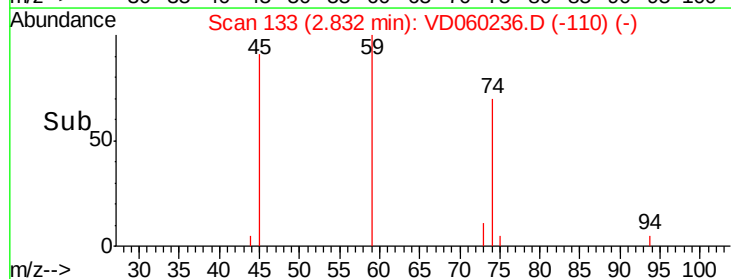
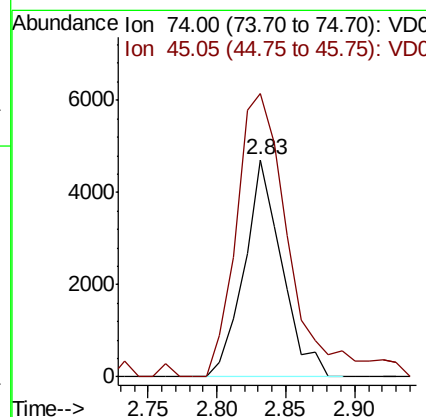
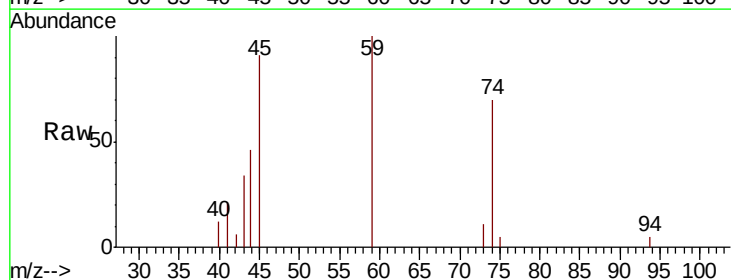
Instrument :
MSVOA_D
ClientSampleId :
HR-05-102618-C

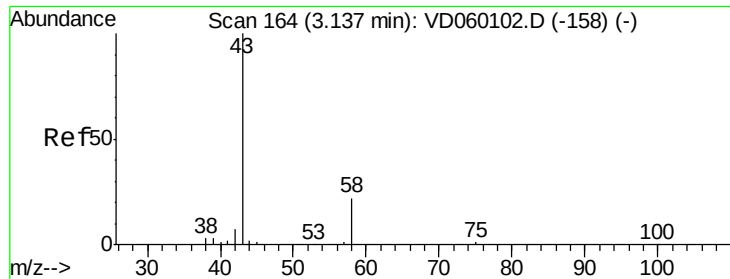
Tot Ion:168 Resp: 1485857
Ion Ratio Lower Upper
168 100
99 49.4 35.4 53.0



#8
Diethyl Ether
Concen: 3.515 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.03 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

Tgt Ion: 74 Resp: 8926
Ion Ratio Lower Upper
74 100
45 130.4 80.3 241.0





#16

Acetone

Concen: 6.120 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.03 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

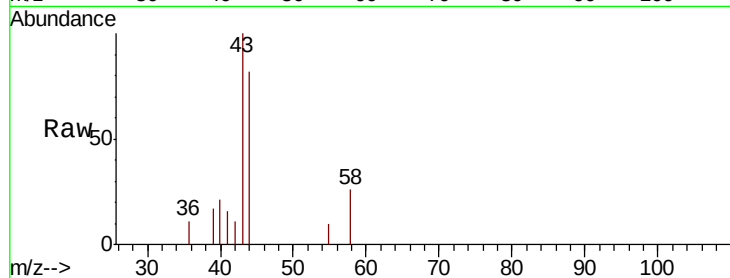
HR-05-102618-C

Tot Ion: 43 Resp: 12507

Ion Ratio Lower Upper

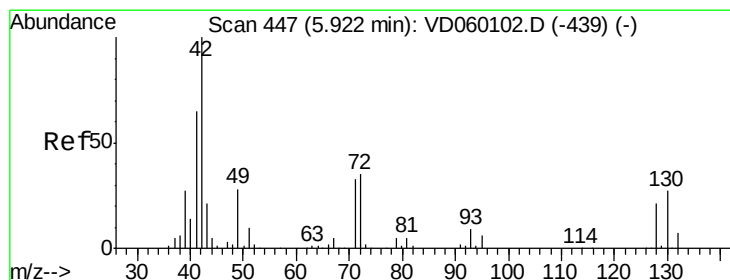
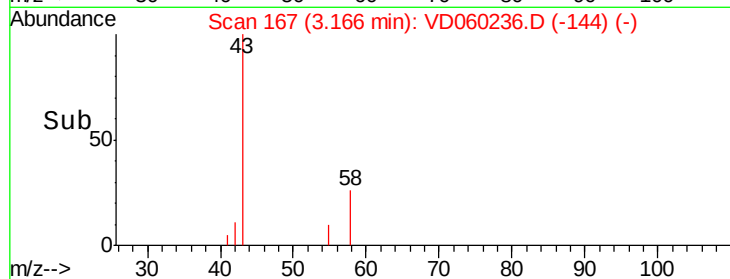
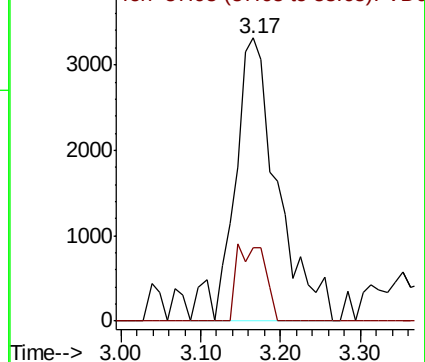
43 100

58 26.0 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.204 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

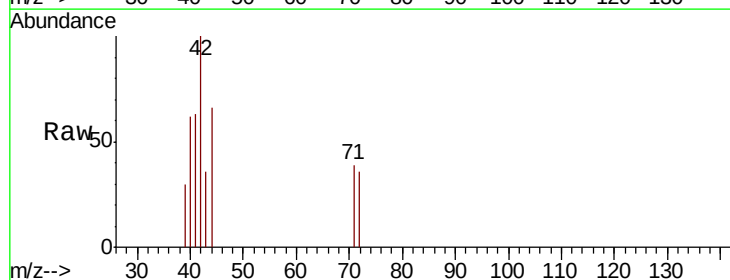
Tgt Ion: 42 Resp: 3571

Ion Ratio Lower Upper

42 100

72 19.2 26.9 40.3#

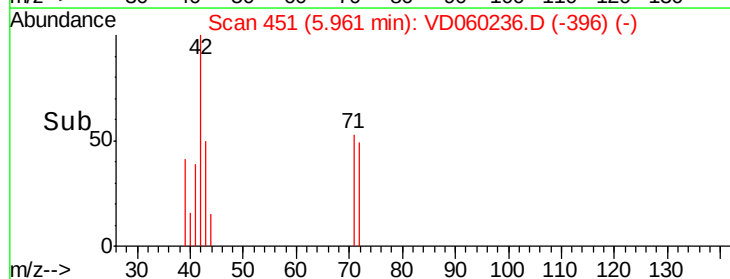
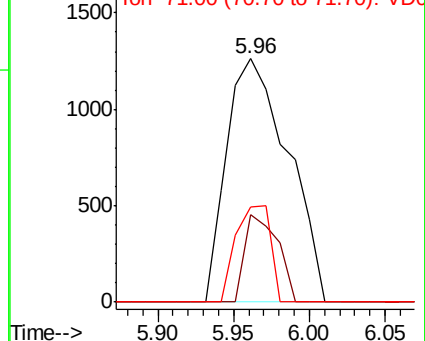
71 22.2 26.7 40.1#

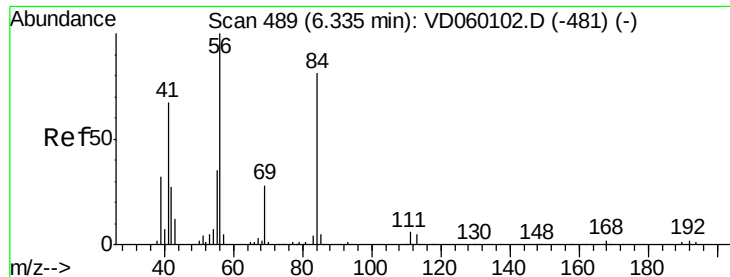


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

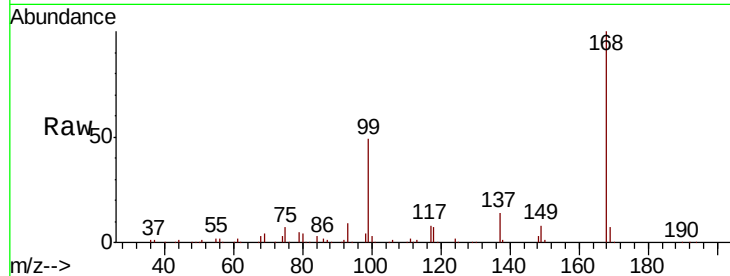




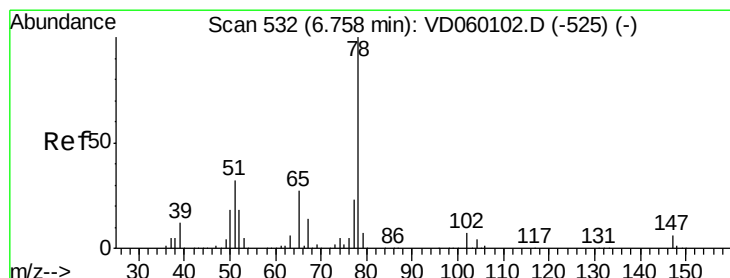
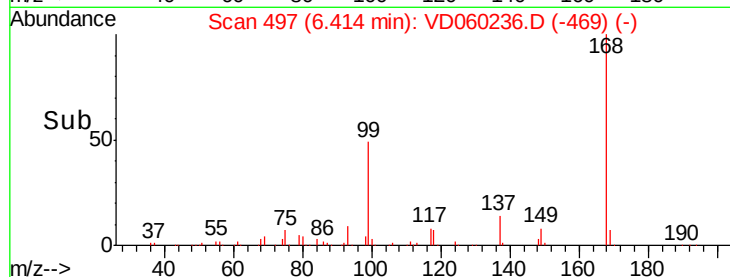
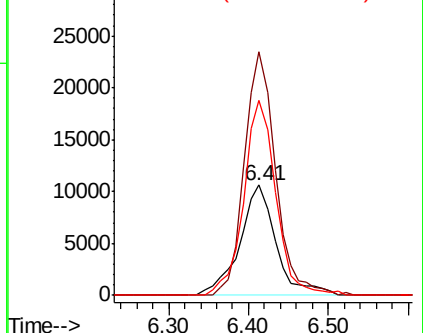
#31
Cyclohexane
Concen: 1.375 ug/l
RT: 6.41 min Scan# 497
Delta R.T. 0.08 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

Instrument :
MSVOA_D
ClientSampleId :
HR-05-102618-C

Tot Ion: 56 Resp: 33560
Ion Ratio Lower Upper
56 100
69 220.6 22.8 34.2#
84 177.1 64.9 97.3#

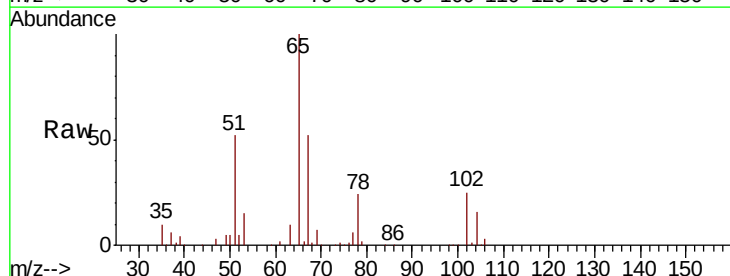


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

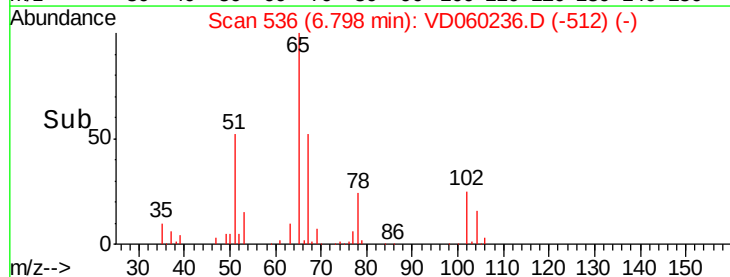
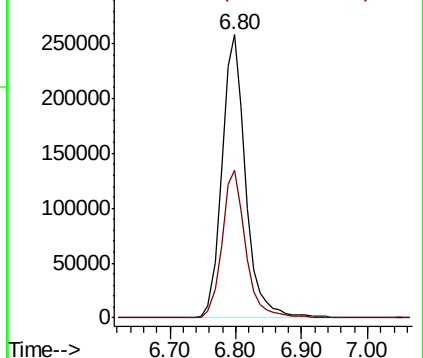


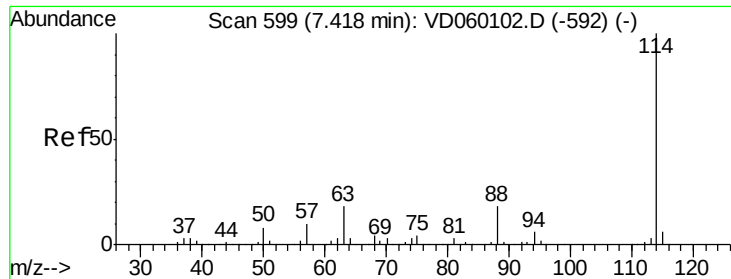
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.04 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

Tgt Ion: 65 Resp: 646954
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2



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

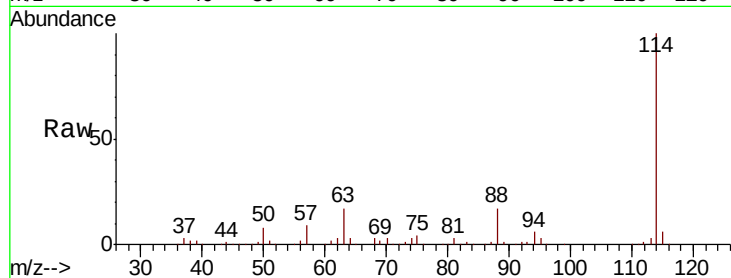




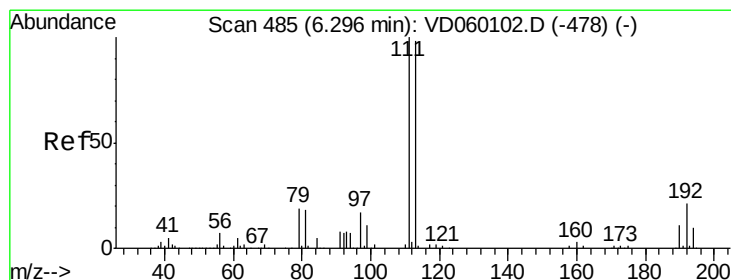
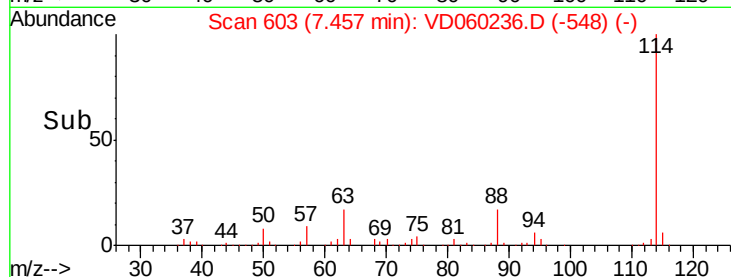
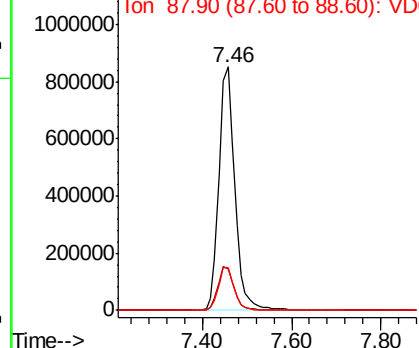
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.04 min
 Lab File: VD060236.D
 Acq: 29 Oct 2018 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-05-102618-C

Tot Ion:114 Resp: 2099921
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.0
 88 17.5 0.0 36.2

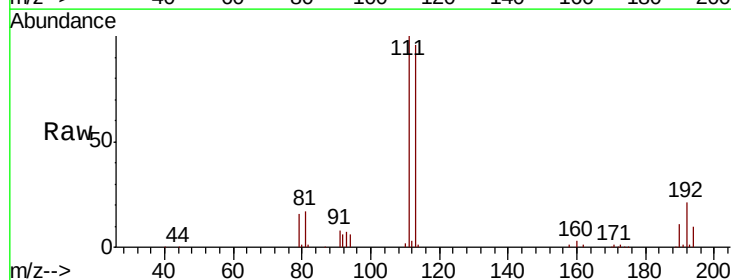


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

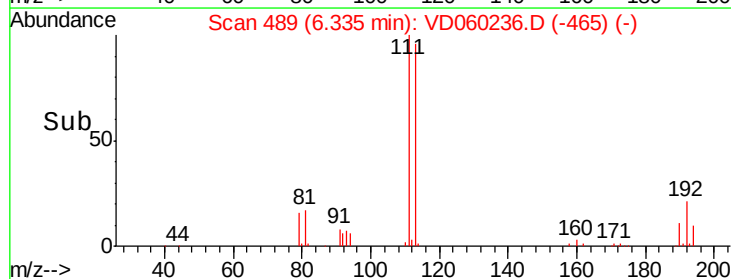
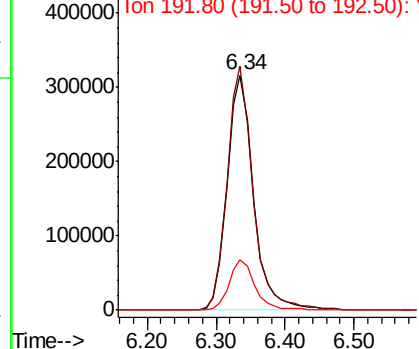


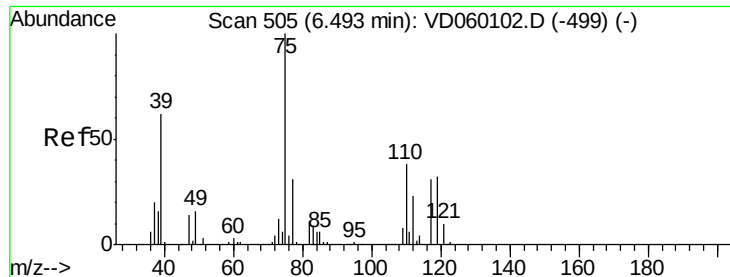
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.04 min
 Lab File: VD060236.D
 Acq: 29 Oct 2018 18:34

Tgt Ion:113 Resp: 838671
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.5 122.3
 192 21.3 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: 4.980 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.08 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-C

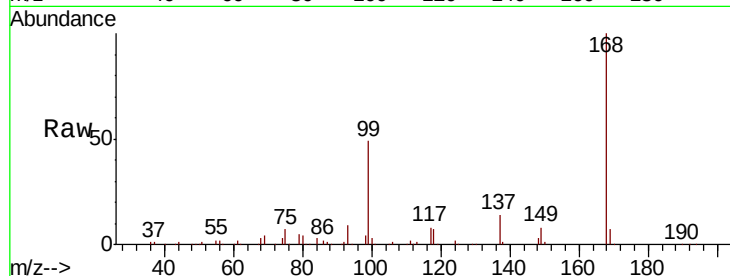
Tot Ion: 75 Resp: 99936

Ion Ratio Lower Upper

75 100

110 7.0 19.0 57.0#

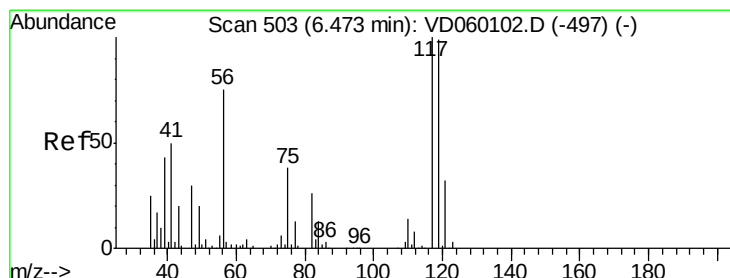
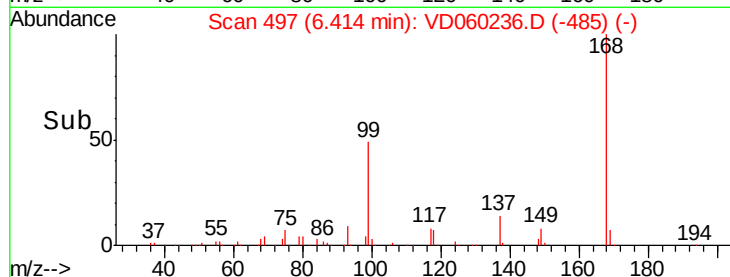
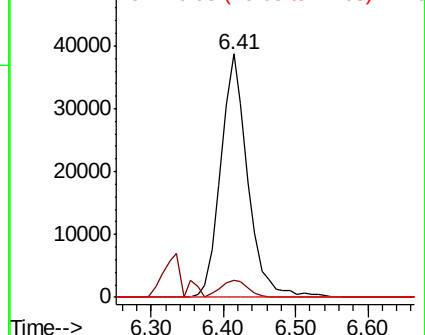
77 0.0 24.9 37.3#



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: 6.592 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.06 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

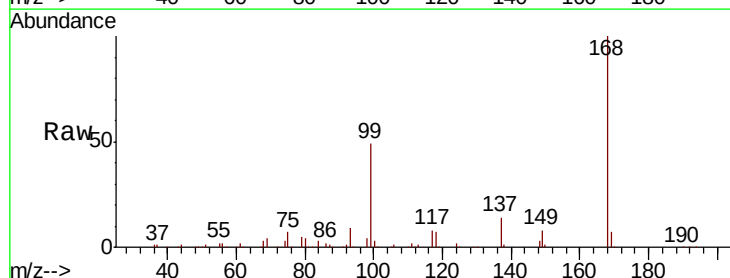
Tgt Ion: 117 Resp: 120061

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

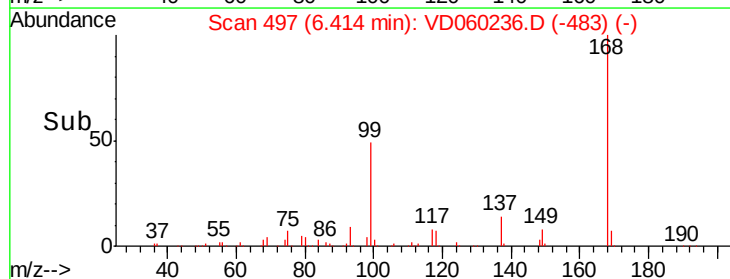
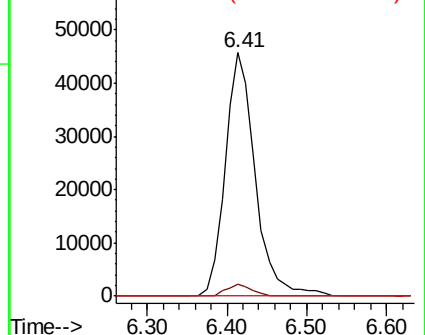
121 0.0 24.8 37.2#

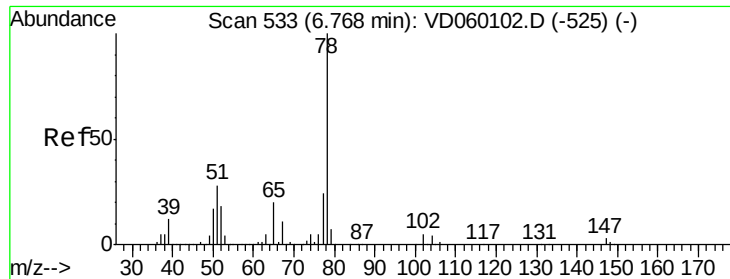


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#40

Benzene

Concen: 3.258 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.04 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

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ClientSampleId :

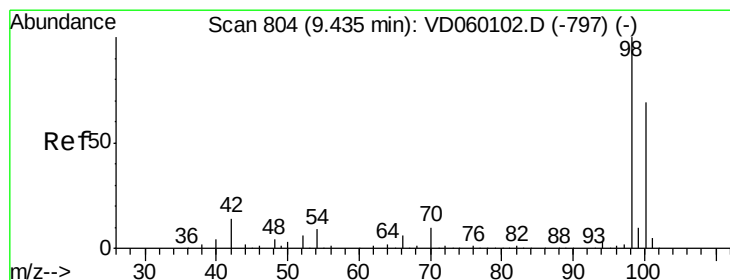
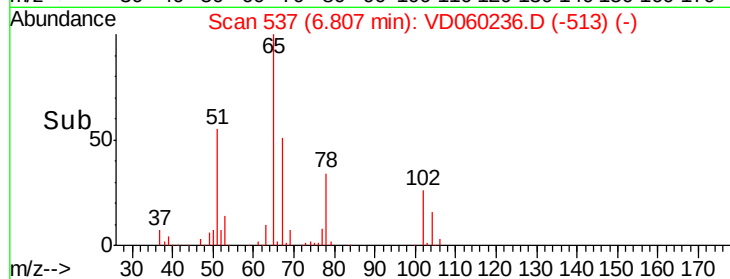
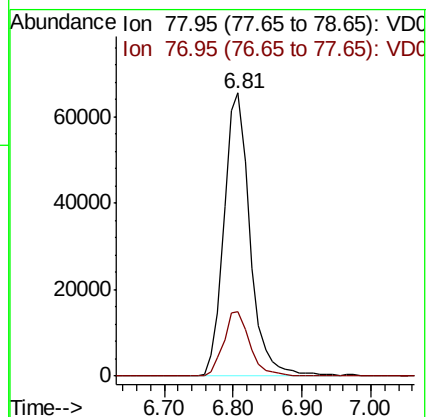
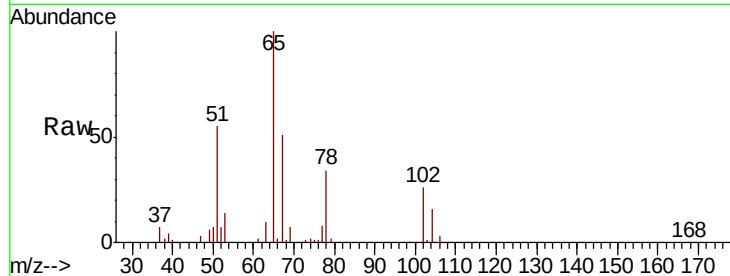
HR-05-102618-C

Tot Ion: 78 Resp: 171022

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060236.D

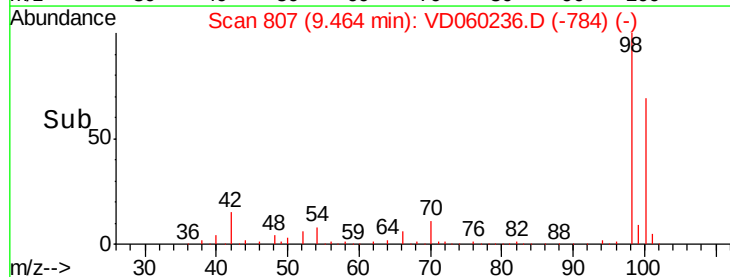
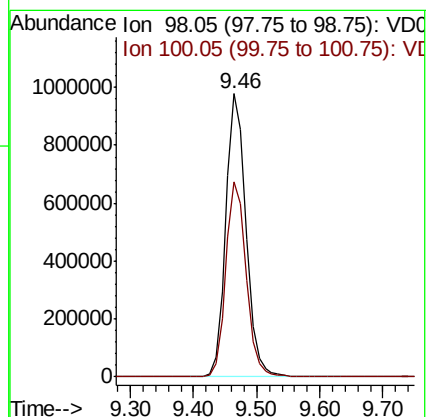
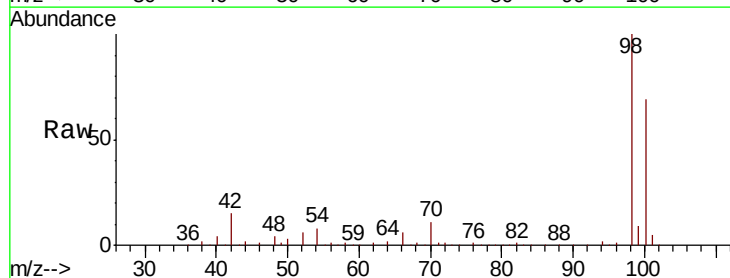
Acq: 29 Oct 2018 18:34

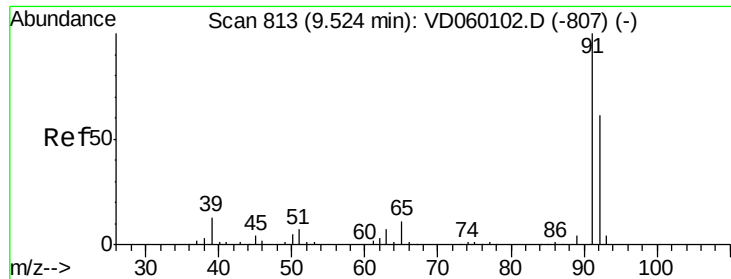
Tgt Ion: 98 Resp: 2183683

Ion Ratio Lower Upper

98 100

100 68.7 55.4 83.0





#52

Toluene

Concen: 19.485 ug/l

RT: 9.56 min Scan# 817

Delta R.T. 0.04 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

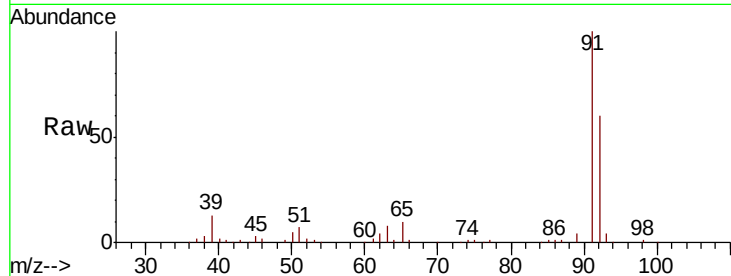
HR-05-102618-C

Tot Ion: 92 Resp: 658795

Ion Ratio Lower Upper

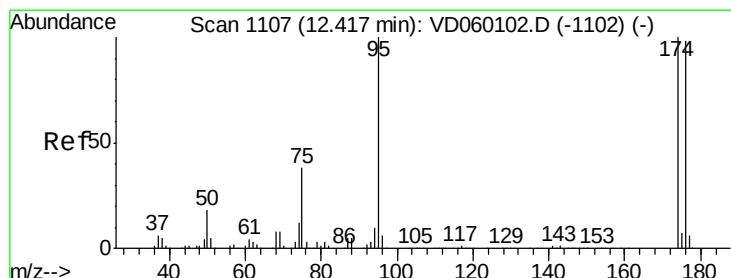
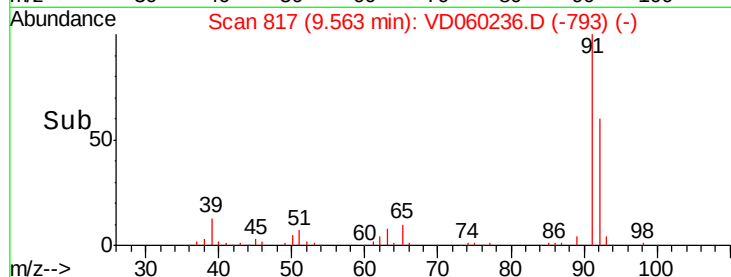
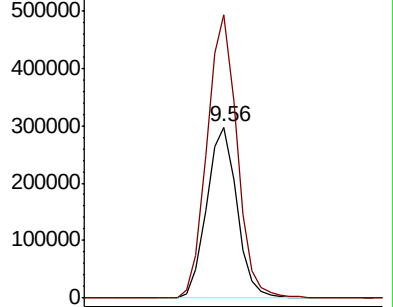
92 100

91 165.5 131.9 197.9



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: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

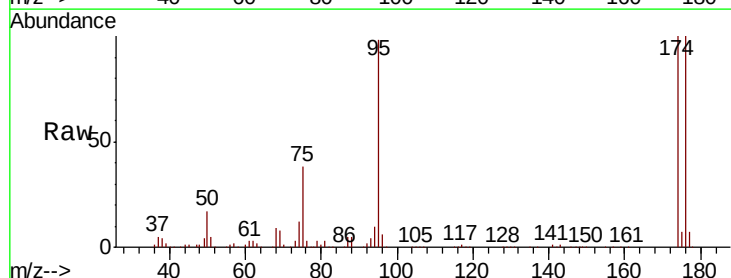
Tgt Ion: 95 Resp: 615262

Ion Ratio Lower Upper

95 100

174 101.6 0.0 200.2

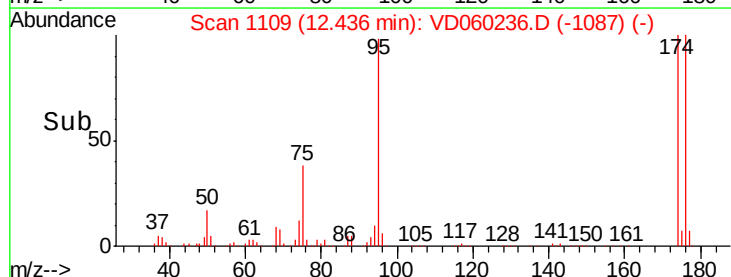
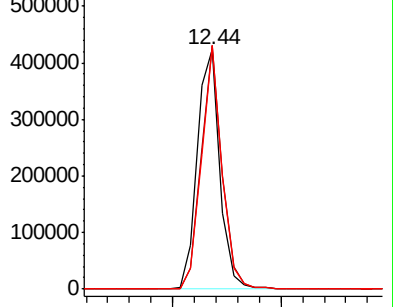
176 101.6 0.0 195.6

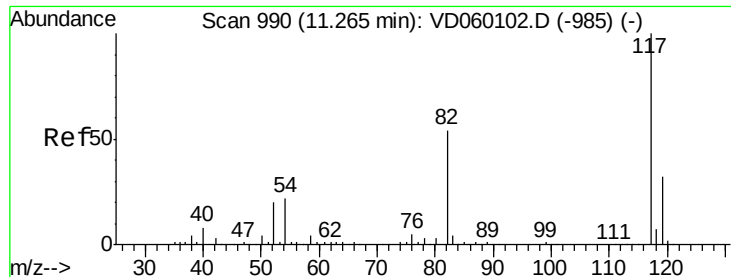


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 11.29 min Scan# 993

Delta R.T. 0.03 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

HR-05-102618-C

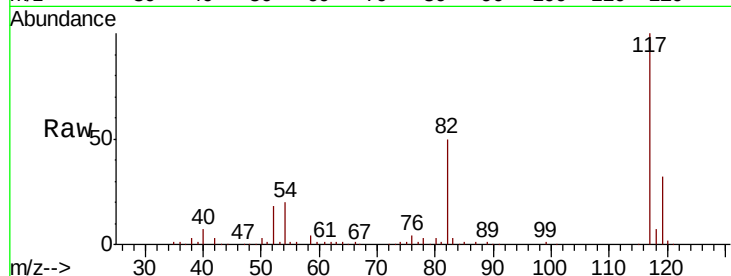
Tot Ion:117 Resp: 1423686

Ion Ratio Lower Upper

117 100

82 49.6 43.4 65.2

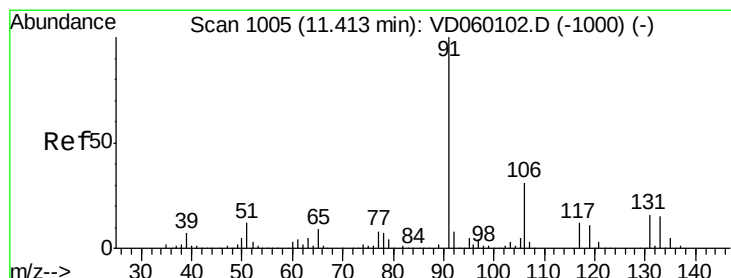
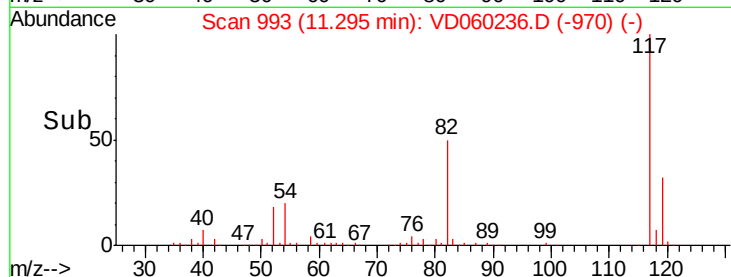
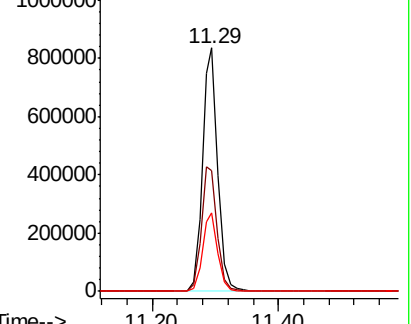
119 32.5 26.0 39.0



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



#67

Ethyl Benzene

Concen: 1.086 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.02 min

Lab File: VD060236.D

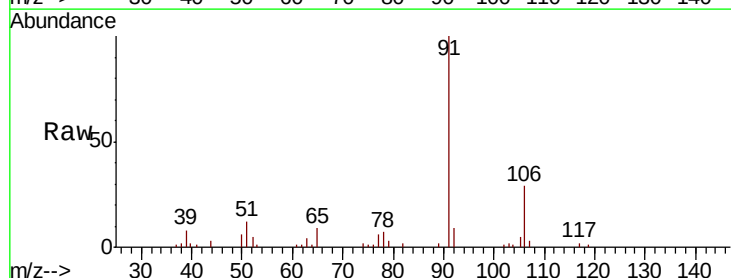
Acq: 29 Oct 2018 18:34

Tgt Ion: 91 Resp: 54189

Ion Ratio Lower Upper

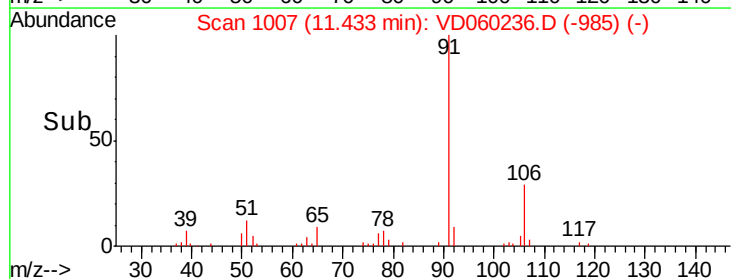
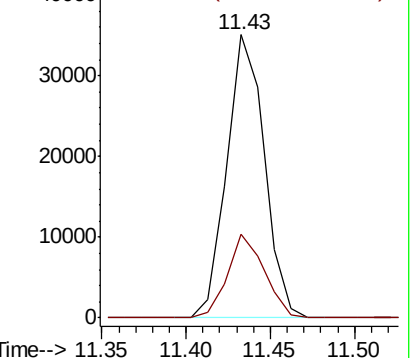
91 100

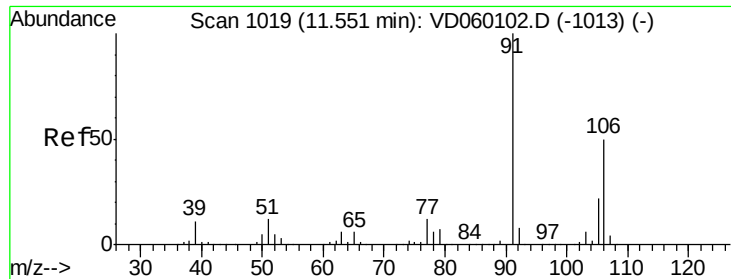
106 29.5 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

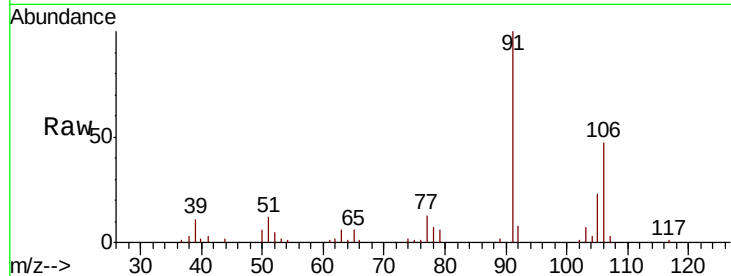




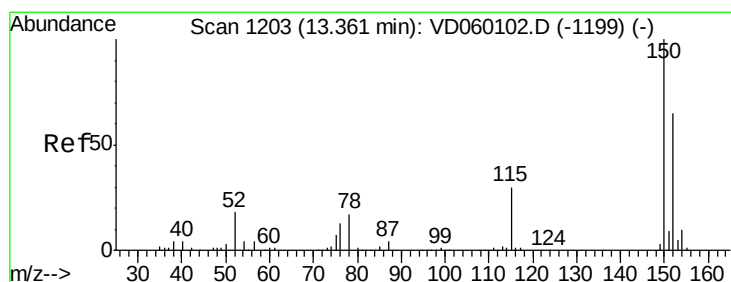
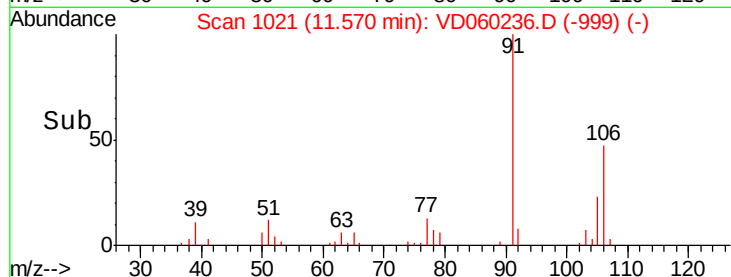
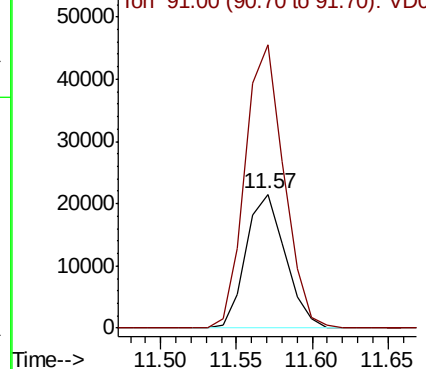
#68
m/p-Xvlenes
Concen: 2.082 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

Instrument :
MSVOA_D
ClientSampleId :
HR-05-102618-C

Tot Ion:106 Resp: 38818
Ion Ratio Lower Upper
106 100
91 211.7 160.0 240.0

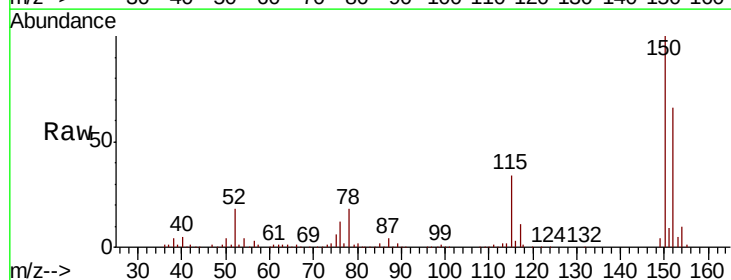


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

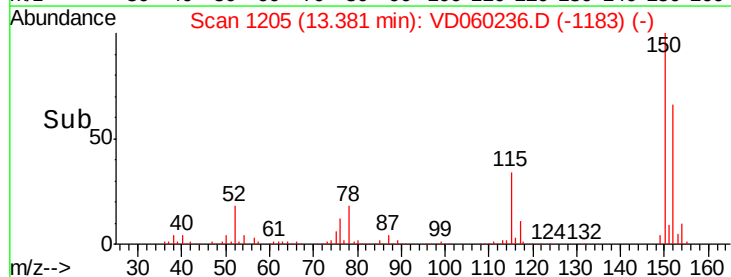
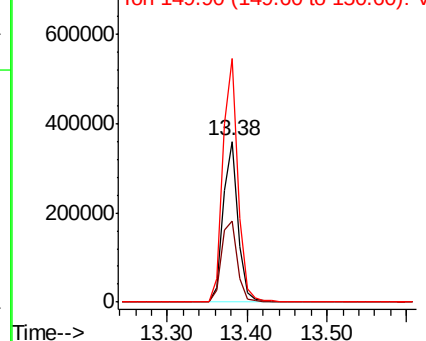


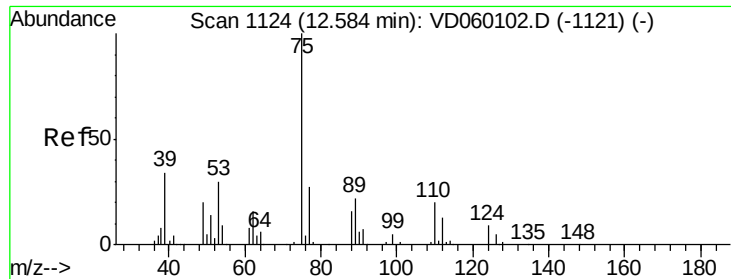
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060236.D
Acq: 29 Oct 2018 18:34

Tgt Ion:152 Resp: 475250
Ion Ratio Lower Upper
152 100
115 50.9 27.1 81.2
150 151.7 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: 35.131 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.15 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

Instrument :

MSVOA_D

ClientSampleId :

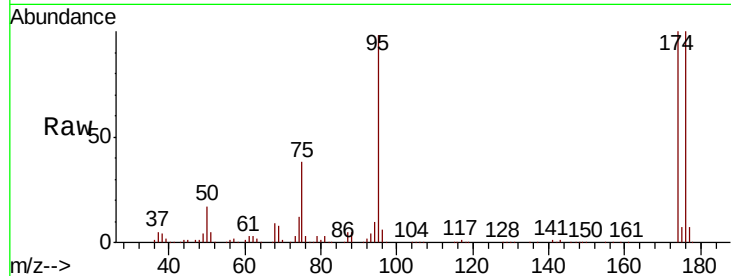
HR-05-102618-C

Tot Ion: 75 Resp: 240445

Ion Ratio Lower Upper

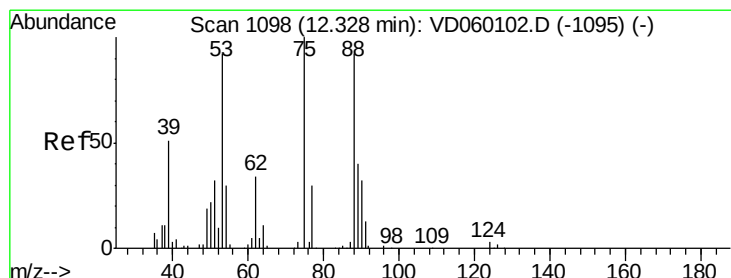
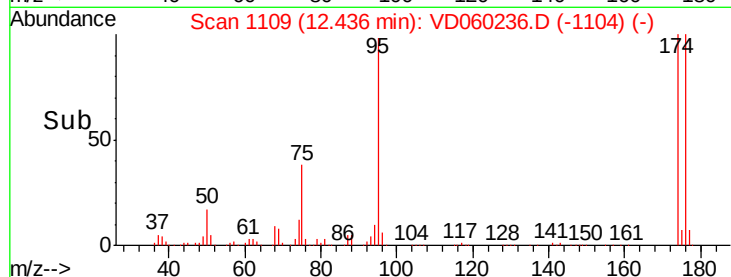
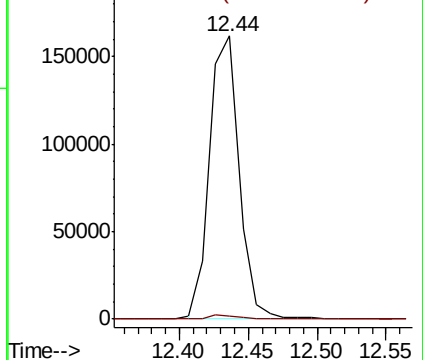
75 100

77 1.2 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: 125.110 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.11 min

Lab File: VD060236.D

Acq: 29 Oct 2018 18:34

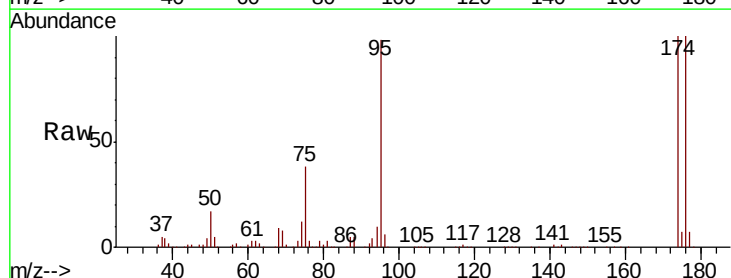
Tgt Ion: 75 Resp: 240603

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

