

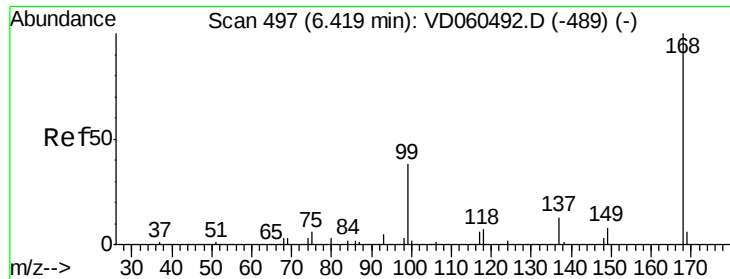
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060563.D
 Acq On : 13 Dec 2018 16:14
 Operator : VA/AP
 Sample : J6376-04
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-2

Quant Time: Dec 14 01:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	89666	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	145186	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	123039	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	45295	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	55077	86.66	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	173.32%	
35) Dibromofluoromethane	6.31	113	54290	50.91	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	101.82%	
50) Toluene-d8	9.43	98	104172	33.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	67.52%	
62) 4-Bromofluorobenzene	12.41	95	38932	35.26	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	70.52%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.16	94	593	3.224	ug/l #	4
14) Allyl chloride	3.54	41	1014	1.192	ug/l #	22
16) Acetone	3.16	43	18984	186.349	ug/l #	87
18) Methyl Acetate	3.57	43	1766	7.294	ug/l #	64
20) Methylene Chloride	3.72	84	10869	7.849	ug/l	92
25) 2-Butanone	5.61	43	6167	30.769	ug/l #	59
29) Tetrahydrofuran	5.95	42	183	1.612	ug/l #	40
31) Cyclohexane	6.39	56	1195	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	5936	4.183	ug/l #	41
37) Ethyl Acetate	5.61	43	6167	10.020	ug/l #	68
38) Carbon Tetrachloride	6.38	117	6225	4.886	ug/l #	12
51) 4-Methyl-2-Pentanone	9.43	43	562	1.189	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	15678	109.530	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

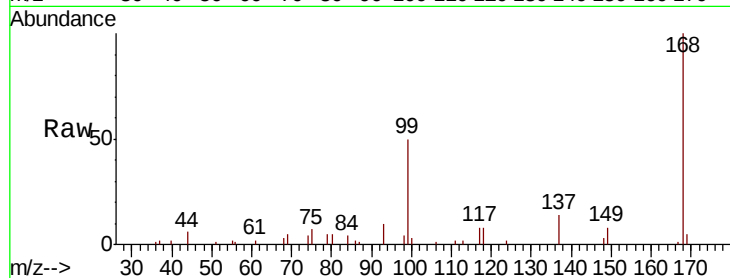
TEST-PIT-2

Tgt Ion:168 Resp: 89666

Ion Ratio Lower Upper

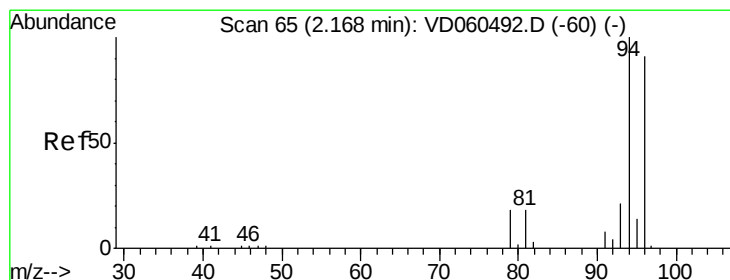
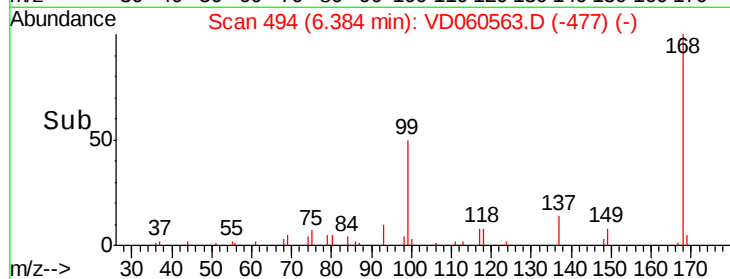
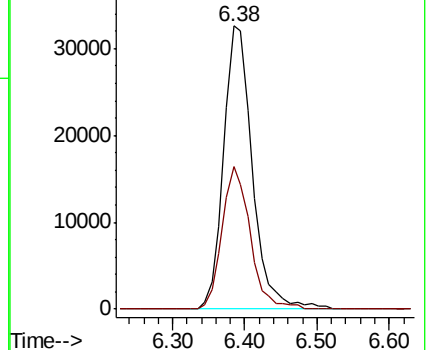
168 100

99 50.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 3.224 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060563.D

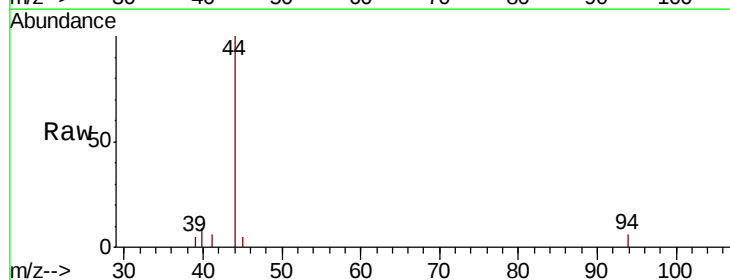
Acq: 13 Dec 2018 16:14

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

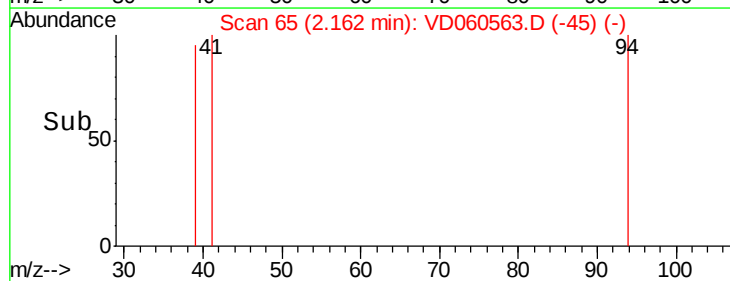
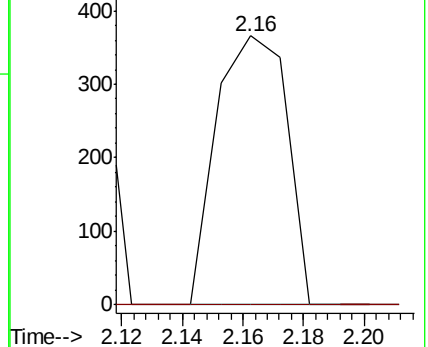
94 100

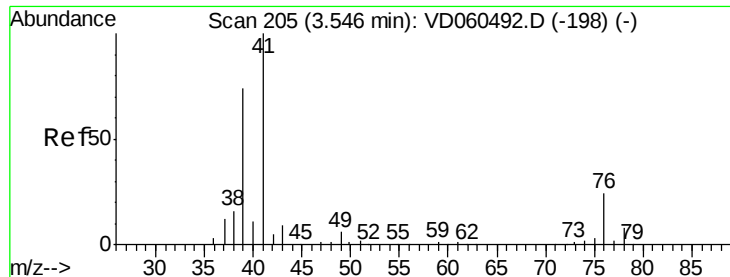
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

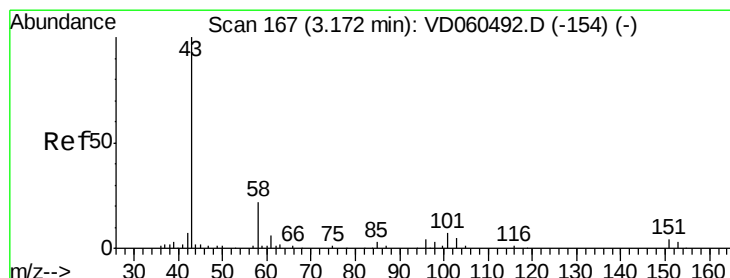
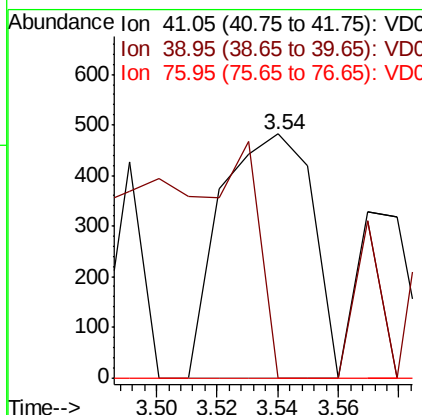
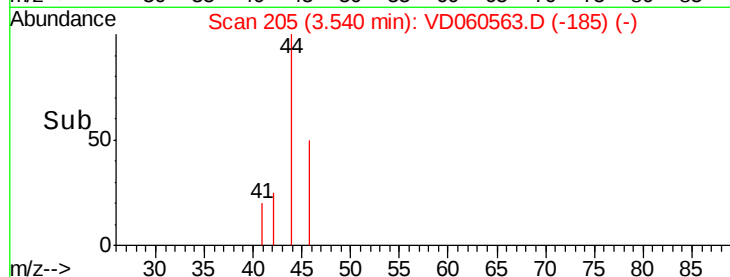
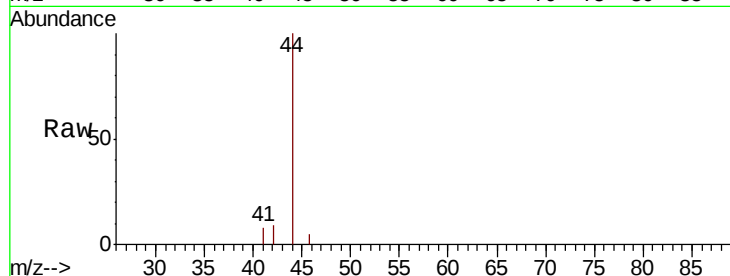




#14
 Allyl chloride
 Concen: 1.192 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

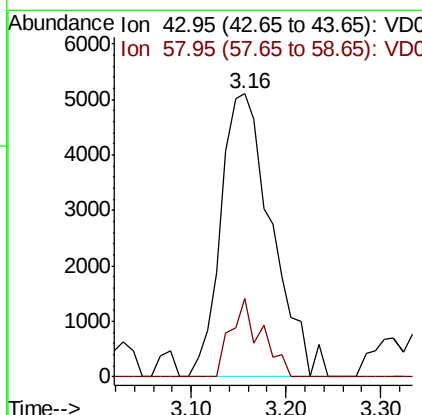
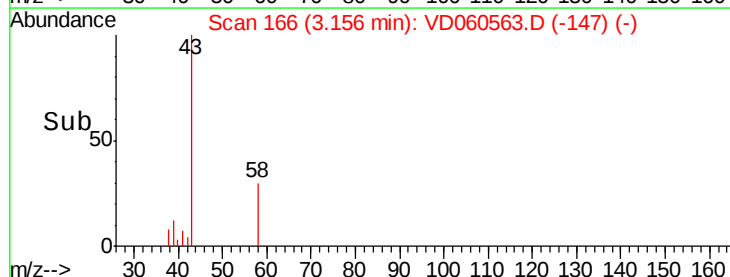
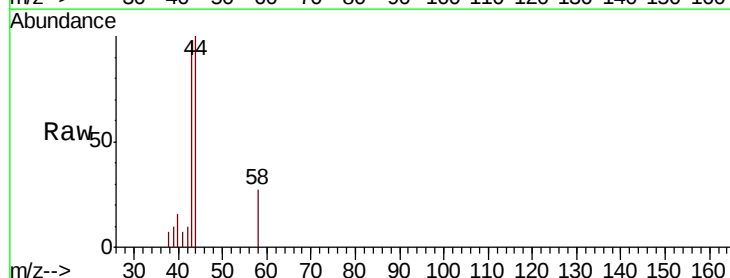
Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-2

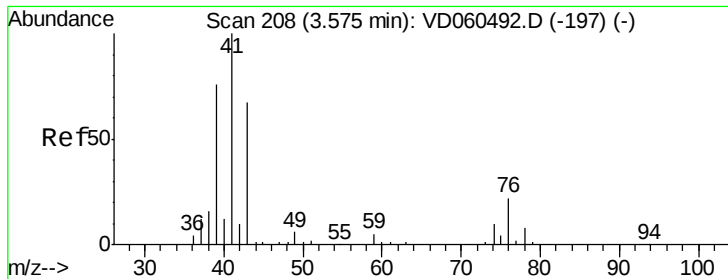
Tgt Ion: 41 Resp: 1014
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 21.0 31.6#



#16
 Acetone
 Concen: 186.349 ug/l
 RT: 3.16 min Scan# 166
 Delta R.T. -0.02 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

Tgt Ion: 43 Resp: 18984
 Ion Ratio Lower Upper
 43 100
 58 27.7 17.3 25.9#

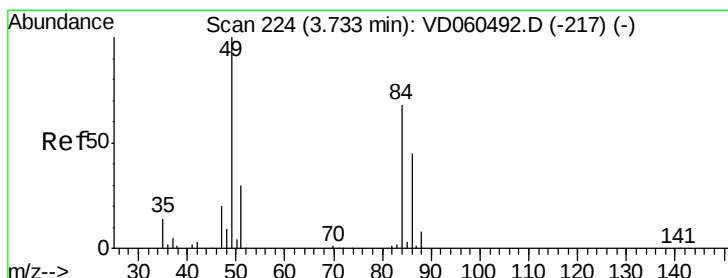
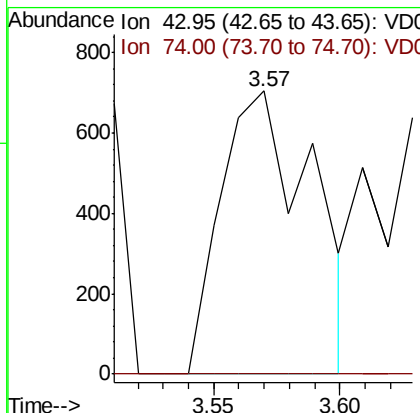
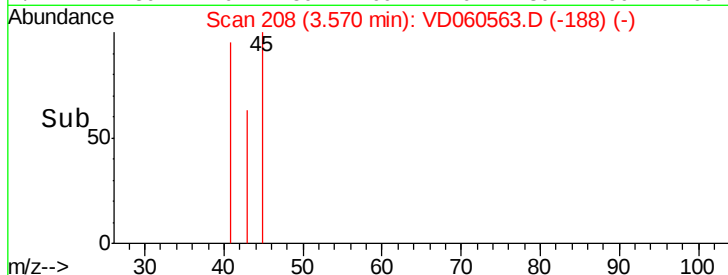
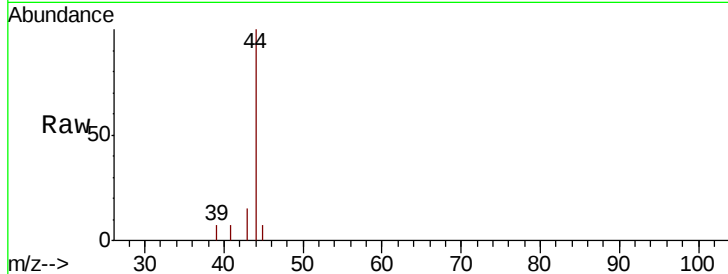




#18
Methyl Acetate
Concen: 7.294 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

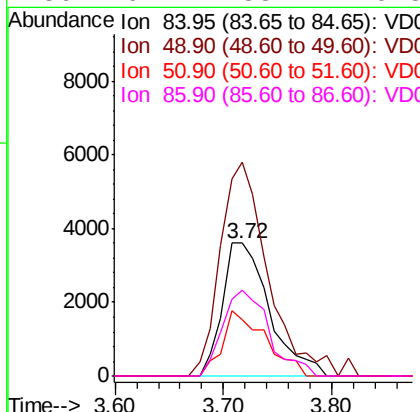
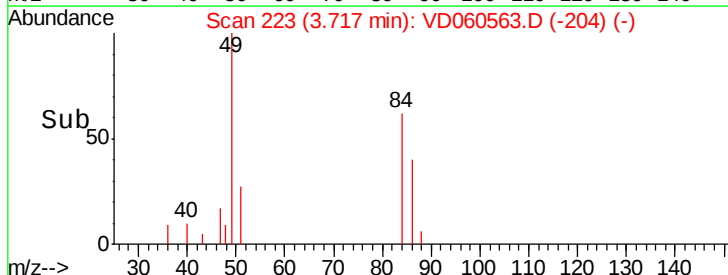
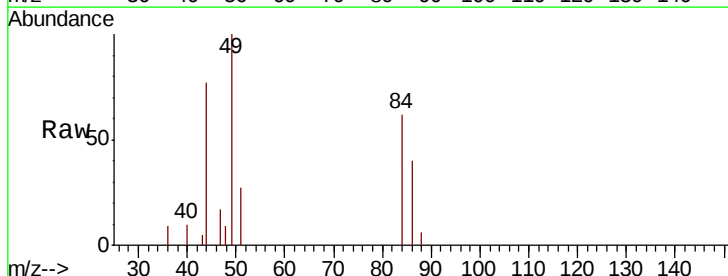
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-2

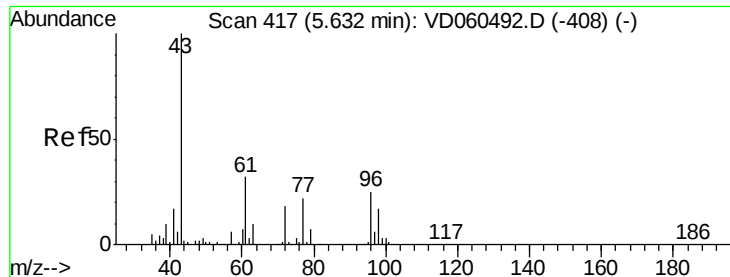
Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 7.849 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

Tgt Ion: 84 Resp: 10869
Ion Ratio Lower Upper
84 100
49 160.6 117.2 175.8
51 42.6 35.3 52.9
86 64.2 53.2 79.8





#25

2-Butanone

Concen: 30.769 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

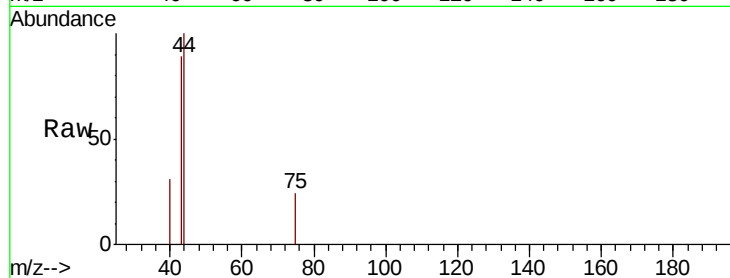
TEST-PIT-2

Tgt Ion: 43 Resp: 6167

Ion Ratio Lower Upper

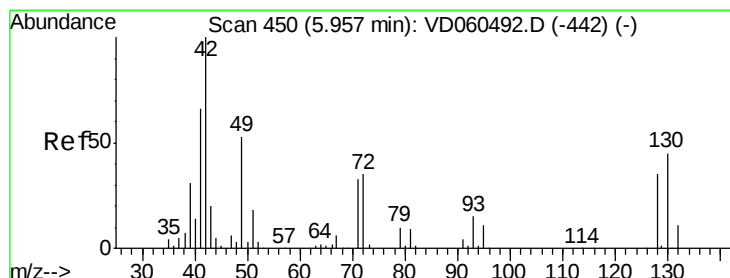
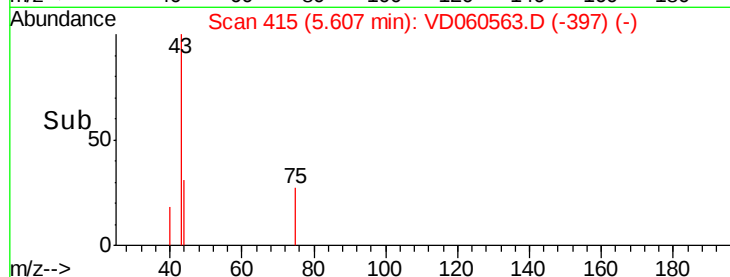
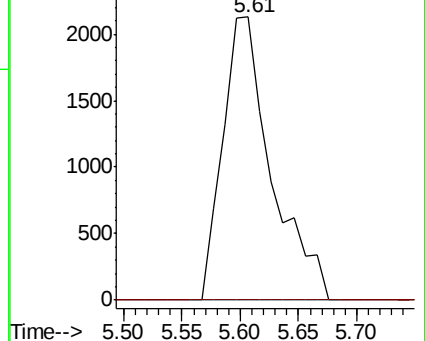
43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.612 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

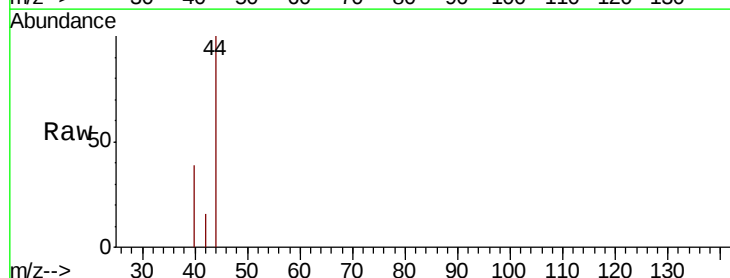
Tgt Ion: 42 Resp: 183

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

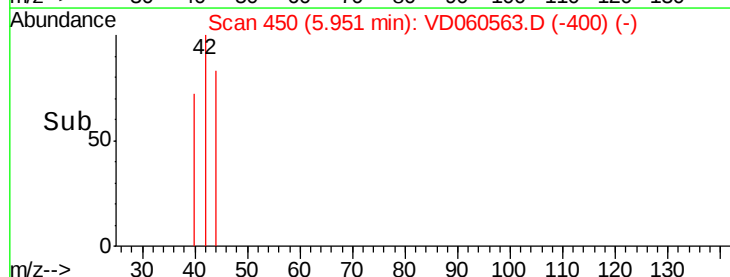
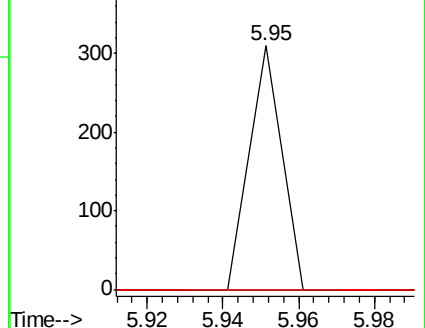
71 0.0 27.2 40.8#

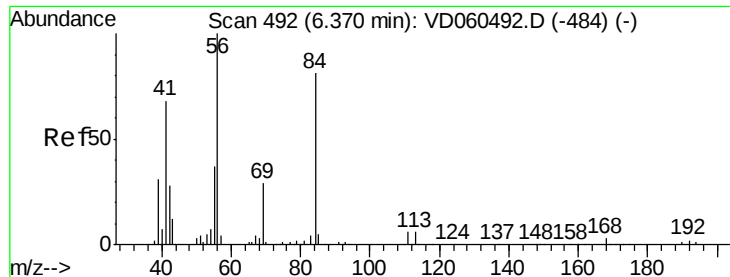


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

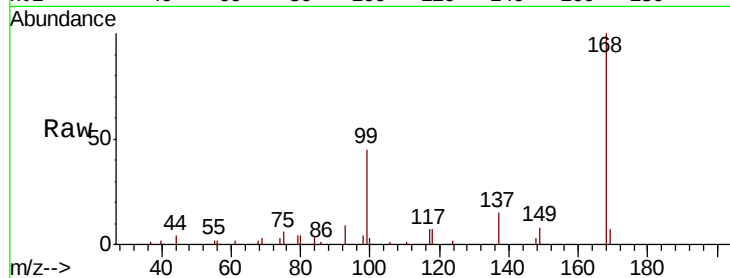




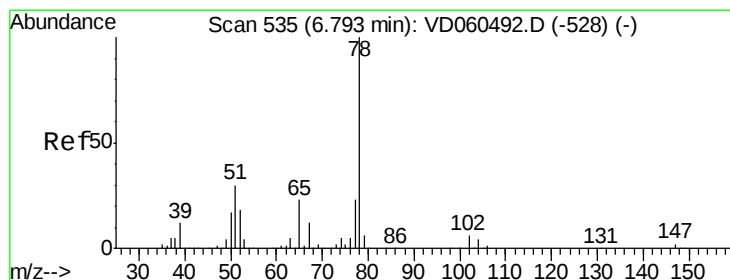
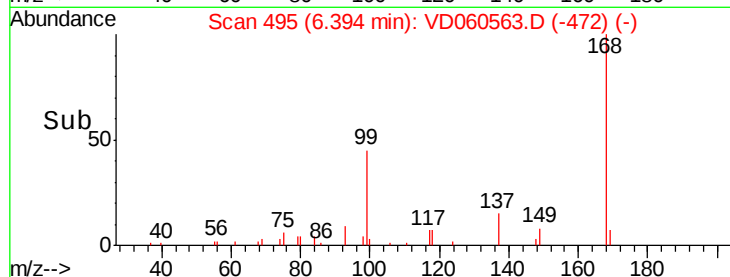
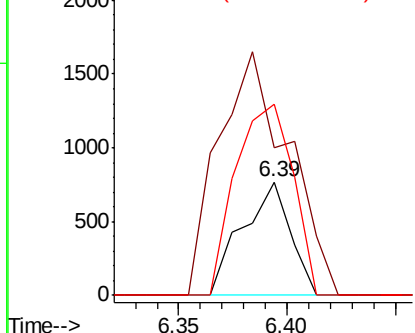
#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-2

Tgt Ion: 56 Resp: 1195
Ion Ratio Lower Upper
56 100
69 130.4 22.8 34.2#
84 168.7 65.1 97.7#

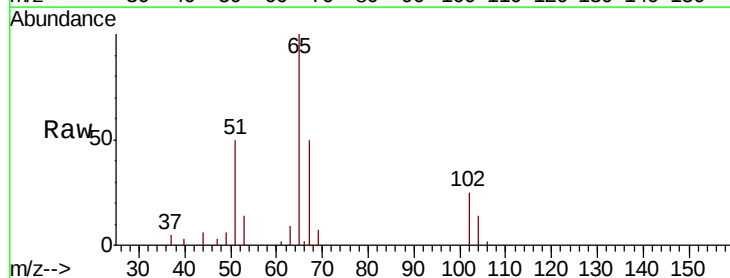


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

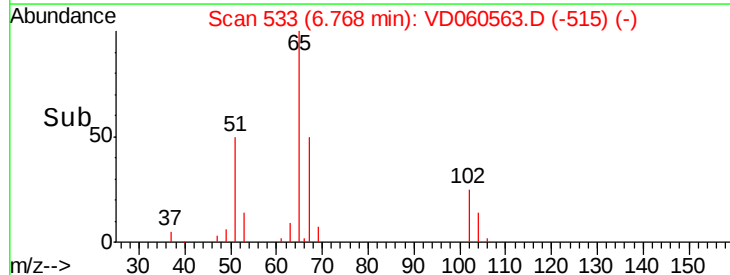
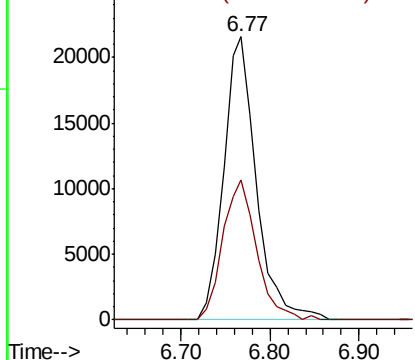


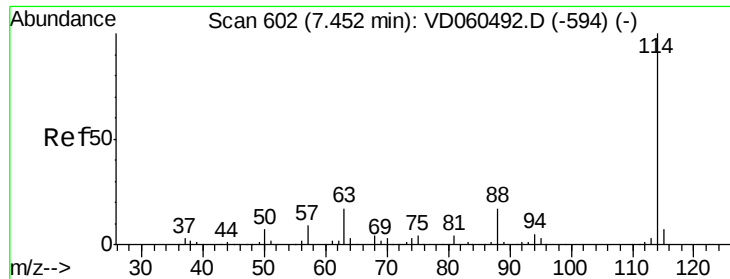
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

Tgt Ion: 65 Resp: 55077
Ion Ratio Lower Upper
65 100
67 49.7 0.0 106.8



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

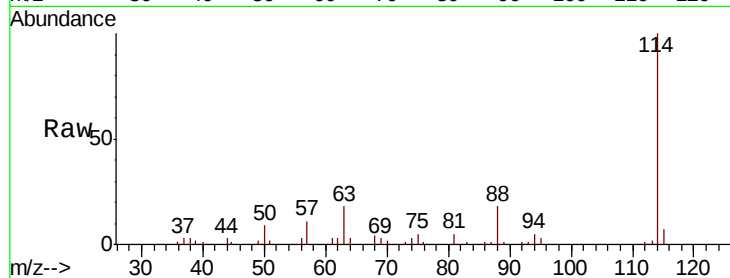




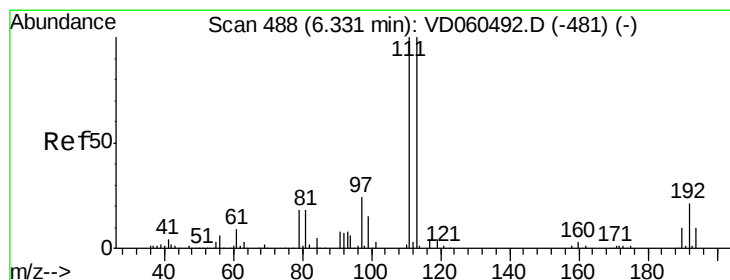
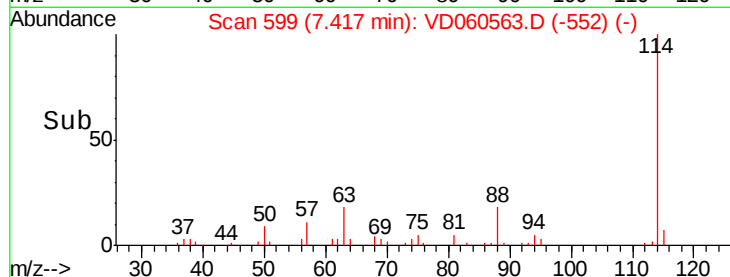
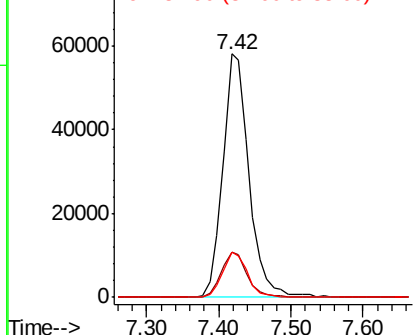
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-2

Tgt Ion:114 Resp: 145186
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.2
 88 18.4 0.0 35.0

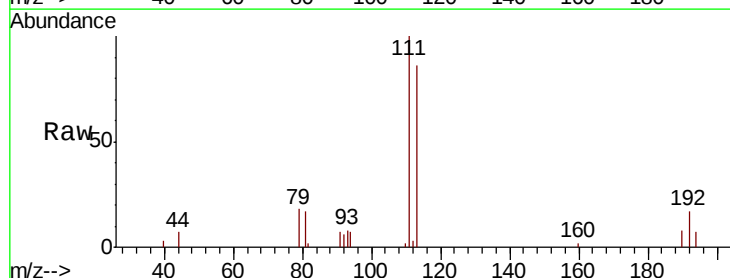


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

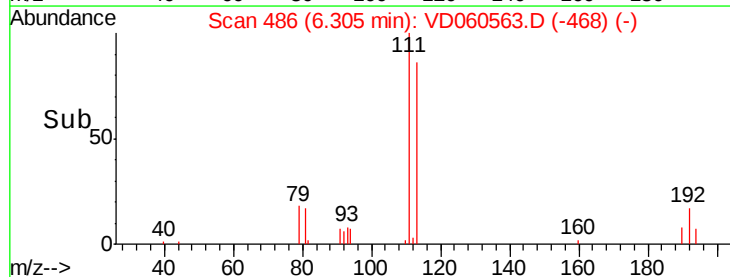
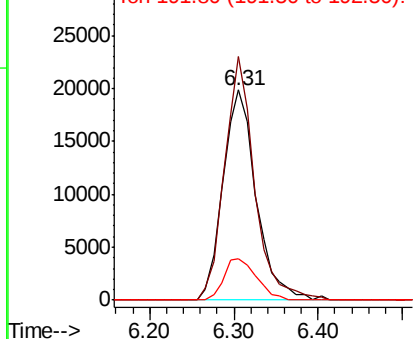


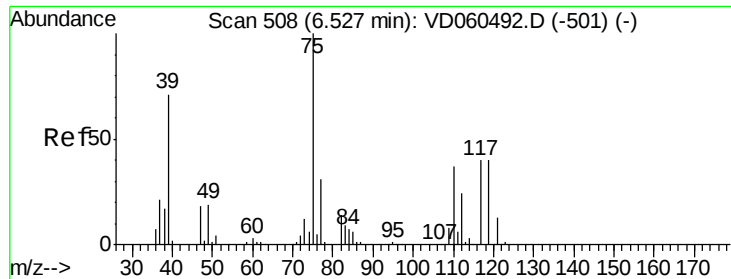
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 488
 Delta R.T. -0.03 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

Tgt Ion:113 Resp: 54290
 Ion Ratio Lower Upper
 113 100
 111 116.1 80.2 120.4
 192 19.6 16.6 24.8



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

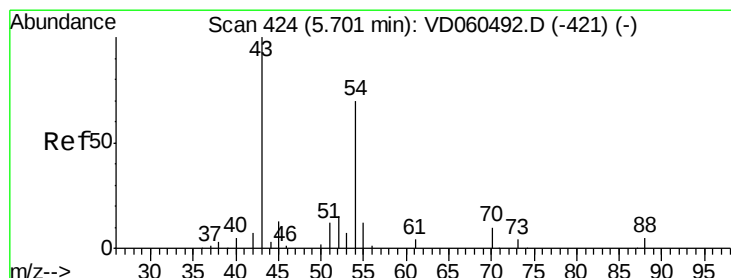
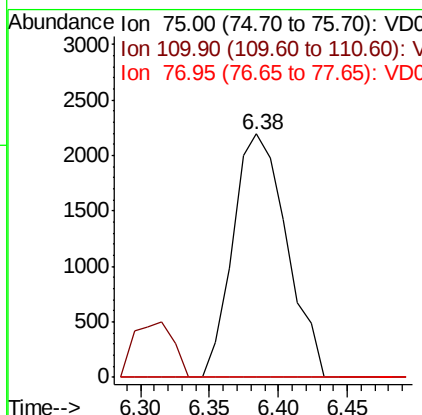
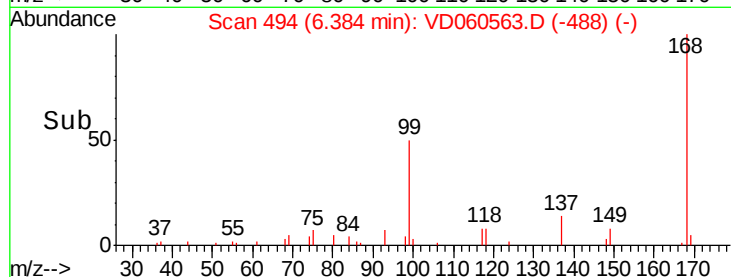
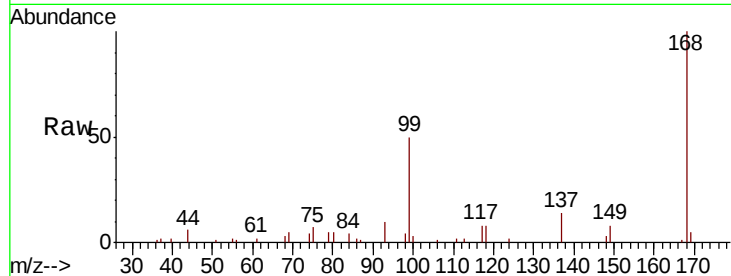




#36
 1,1-Dichloropropene
 Concen: 4.183 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

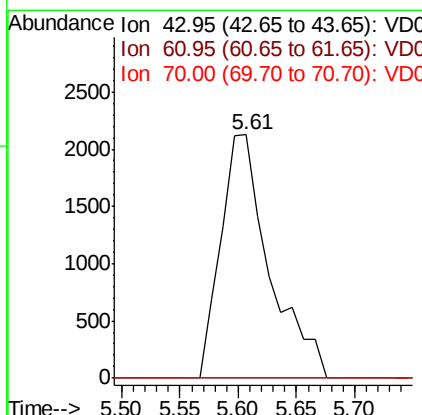
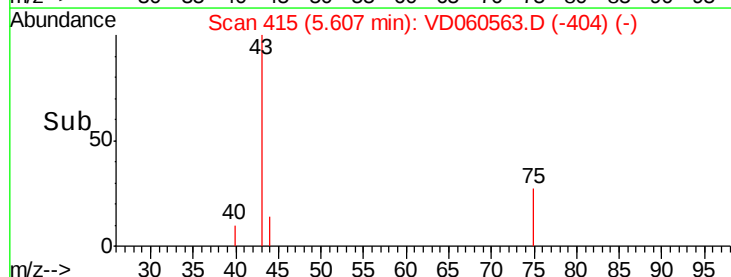
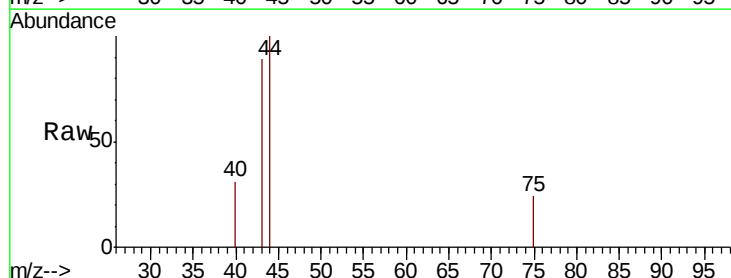
Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-2

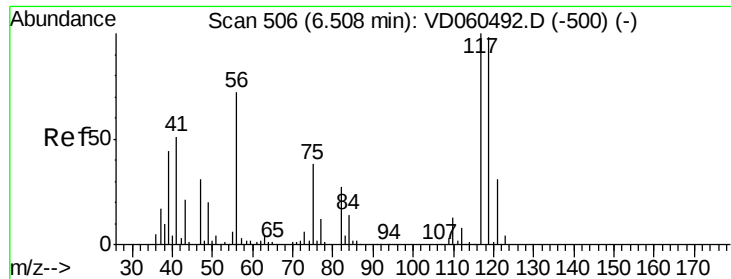
Tgt Ion: 75 Resp: 5936
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 10.020 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.09 min
 Lab File: VD060563.D
 Acq: 13 Dec 2018 16:14

Tgt Ion: 43 Resp: 6167
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.4 18.6#
 70 0.0 5.4 8.0#

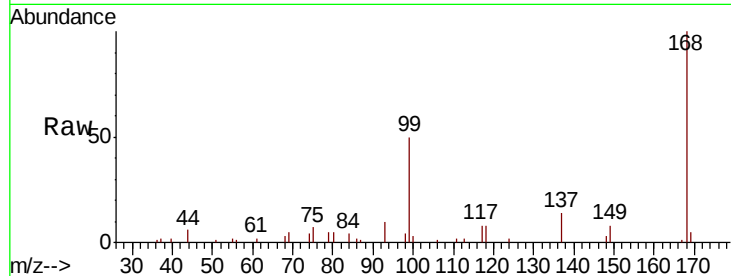




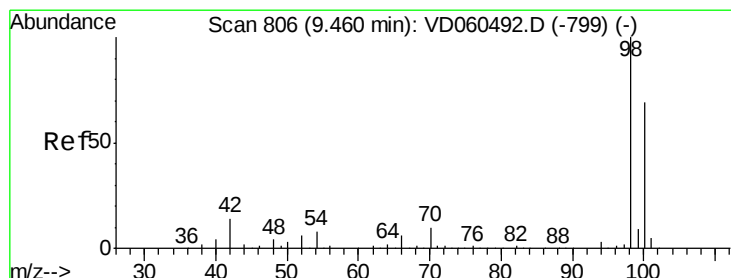
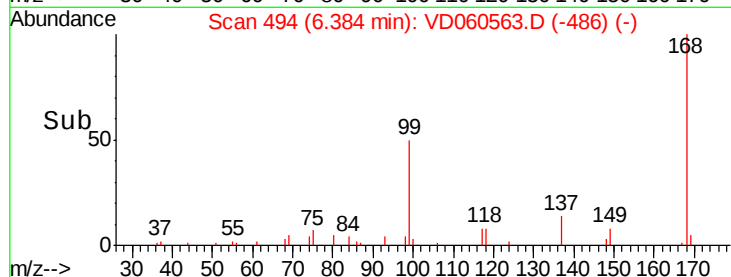
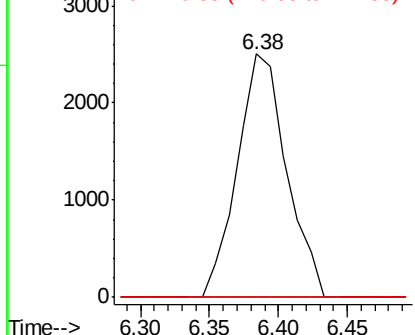
#38
Carbon Tetrachloride
Concen: 4.886 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-2

Tgt Ion:117 Resp: 6225
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.4 36.6#

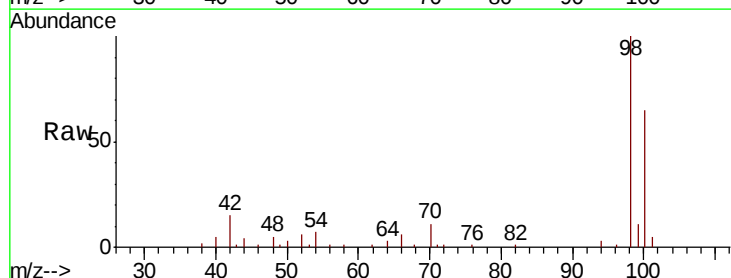


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

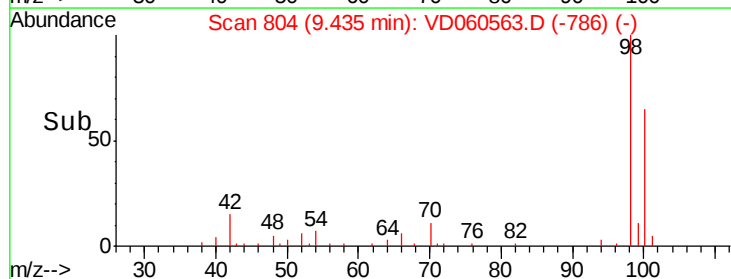
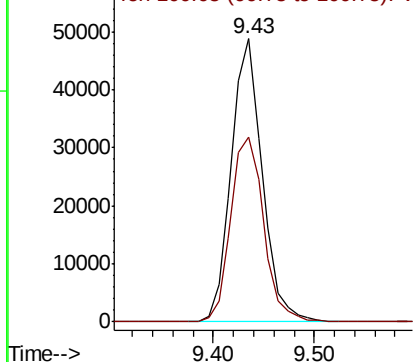


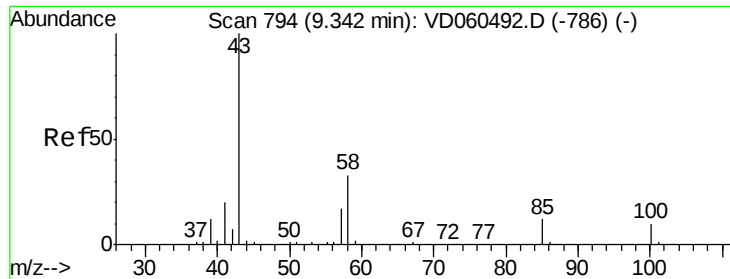
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060563.D
Acq: 13 Dec 2018 16:14

Tgt Ion: 98 Resp: 104172
Ion Ratio Lower Upper
98 100
100 65.1 55.7 83.5



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: 1.189 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

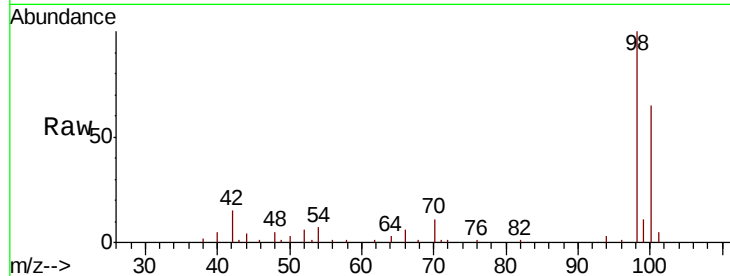
TEST-PIT-2

Tgt Ion: 43 Resp: 562

Ion Ratio Lower Upper

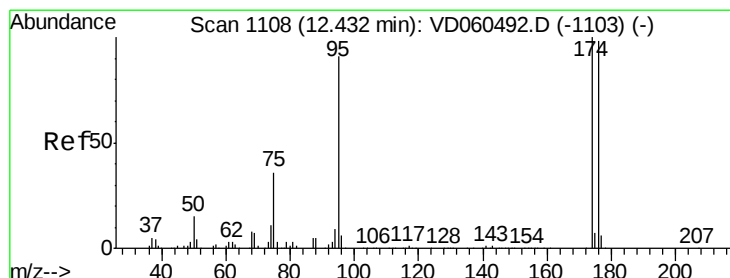
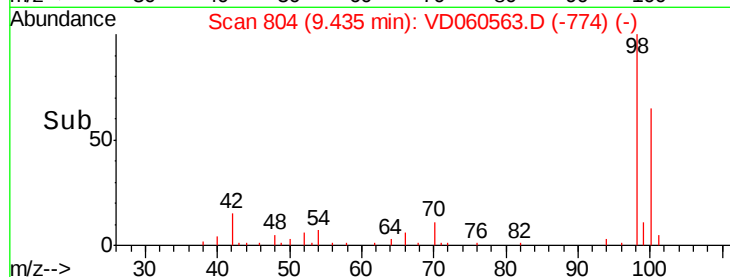
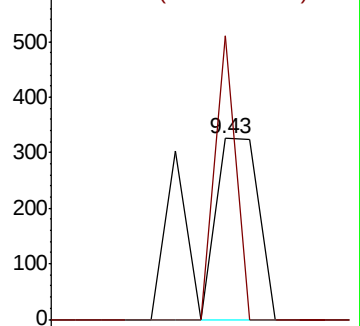
43 100

58 156.4 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

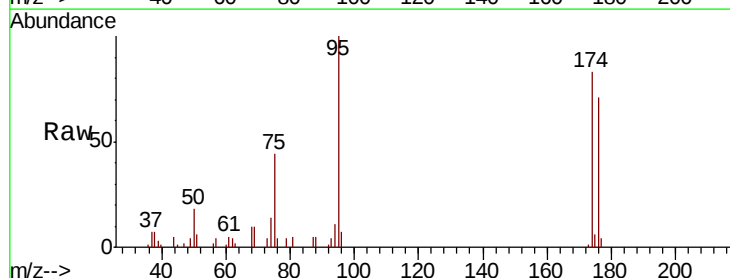
Tgt Ion: 95 Resp: 38932

Ion Ratio Lower Upper

95 100

174 82.7 0.0 219.4

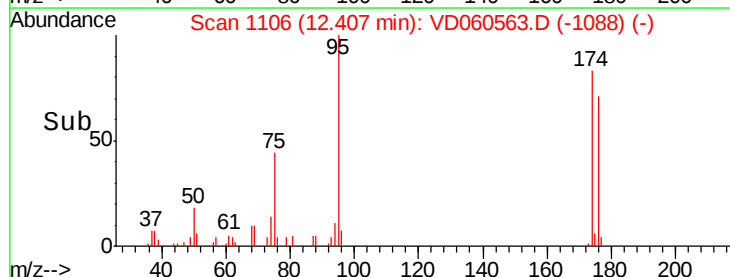
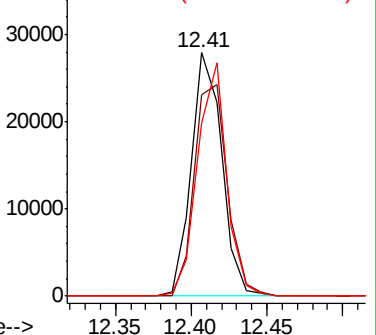
176 71.3 0.0 214.6

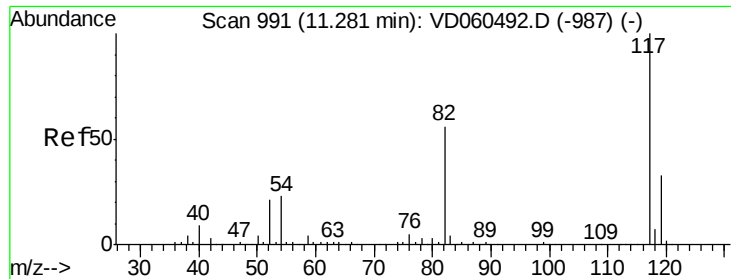


Abundance Ion 95.00 (94.70 to 95.70): VDC

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: 11.27 min Scan# 990

Delta R.T. -0.02 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-2

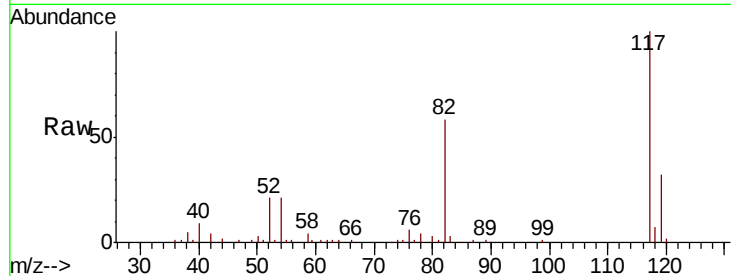
Tgt Ion:117 Resp: 123039

Ion Ratio Lower Upper

117 100

82 57.5 45.2 67.8

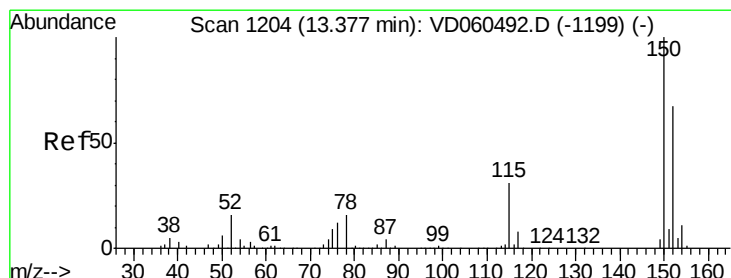
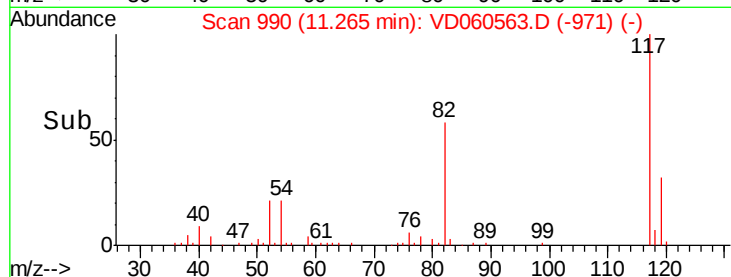
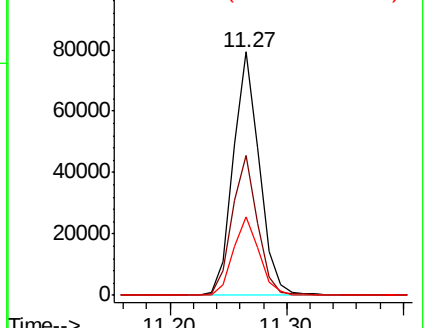
119 32.3 26.1 39.1



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: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

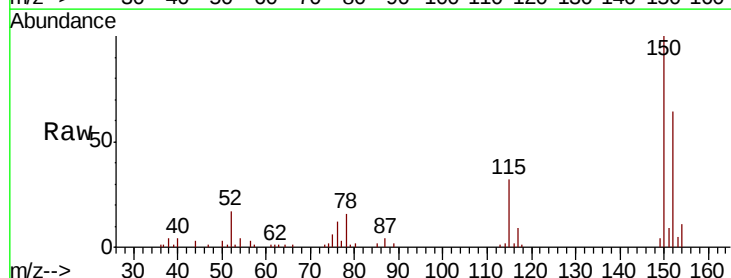
Tgt Ion:152 Resp: 45295

Ion Ratio Lower Upper

152 100

115 49.3 24.6 74.0

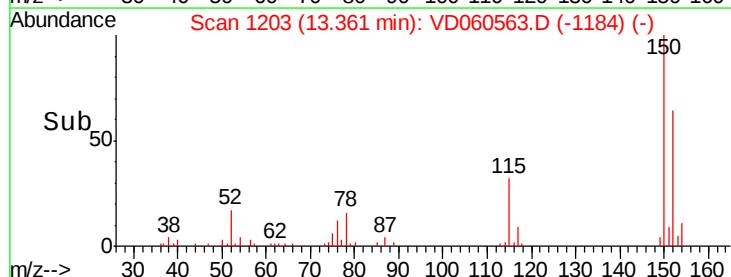
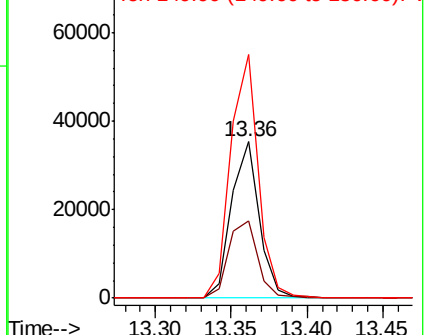
150 155.6 0.0 309.0

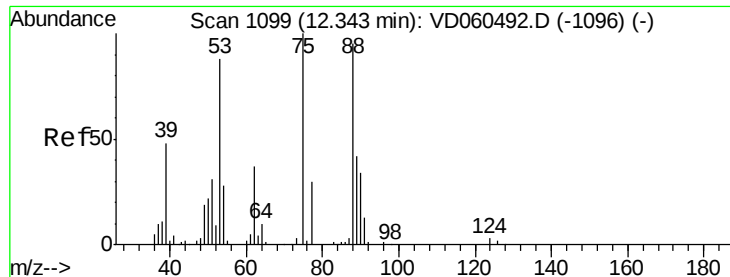


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.530 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060563.D

Acq: 13 Dec 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-2

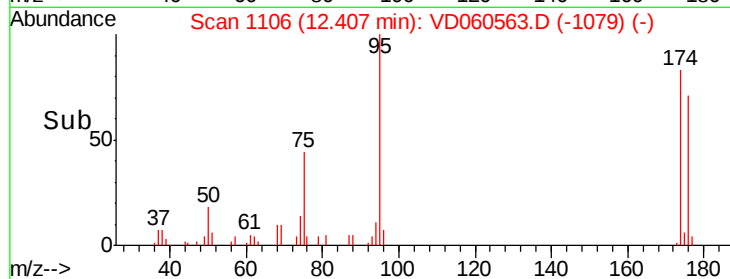
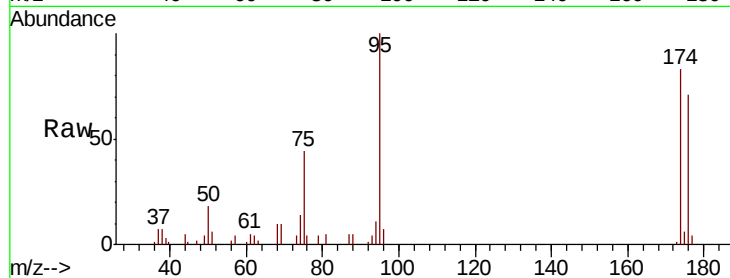
Tgt Ion: 75 Resp: 15678

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

