

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121318\
 Data File : VD060562.D
 Acq On : 13 Dec 2018 15:45
 Operator : VA/AP
 Sample : J6376-01
 Misc : 5.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

Quant Time: Dec 14 01:05:41 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

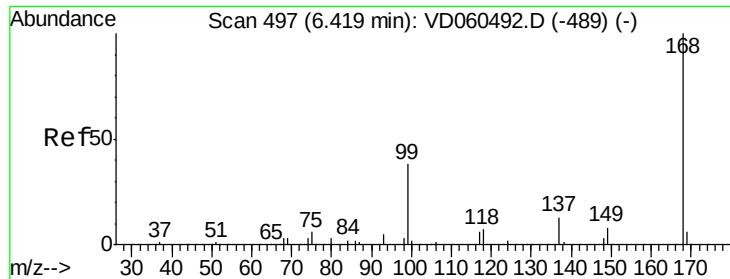
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	79170	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	127528	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	110558	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	47102	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	44865	79.95	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	159.90%	
35) Dibromofluoromethane	6.30	113	45062	48.11	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	96.22%	
50) Toluene-d8	9.43	98	94559	34.88	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	69.76%	
62) 4-Bromofluorobenzene	12.41	95	37996	39.17	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	78.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	191	1.176	ug/l #	4
16) Acetone	3.15	43	21984	244.407	ug/l	97
18) Methyl Acetate	3.55	43	1870	8.747	ug/l #	64
20) Methylene Chloride	3.71	84	15457	15.642	ug/l	90
25) 2-Butanone	5.59	43	4322	24.423	ug/l #	59
29) Tetrahydrofuran	5.94	42	234	2.335	ug/l #	40
31) Cyclohexane	6.38	56	1261	Below Cal	#	13
36) 1,1-Dichloropropene	6.38	75	5173	4.150	ug/l #	41
37) Ethyl Acetate	5.59	43	4322	7.995	ug/l #	68
38) Carbon Tetrachloride	6.39	117	6008	5.369	ug/l #	12
51) 4-Methyl-2-Pentanone	9.43	43	666	1.604	ug/l #	1
52) Toluene	9.53	92	15782	7.926	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	15368	103.245	ug/l #	14

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD121318\  
Data File : VD060562.D  
Acq On    : 13 Dec 2018   15:45  
Operator  : VA/AP  
Sample    : J6376-01  
Misc      : 5.01g/5ml/MSV0A_D/SOIL  
ALS Vial  : 12    Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

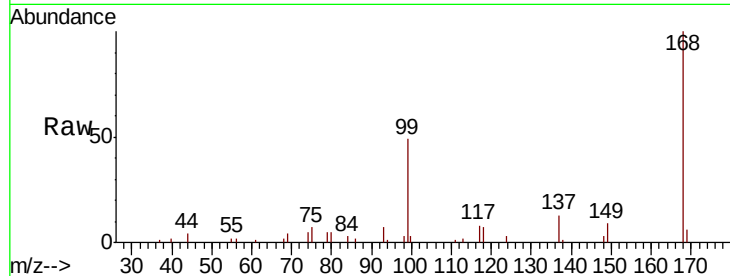
TEST-PIT-1

Tgt Ion:168 Resp: 79170

Ion Ratio Lower Upper

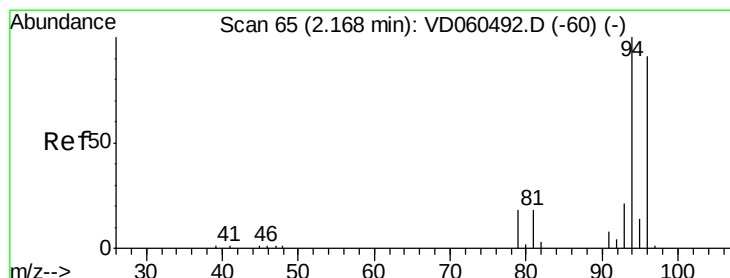
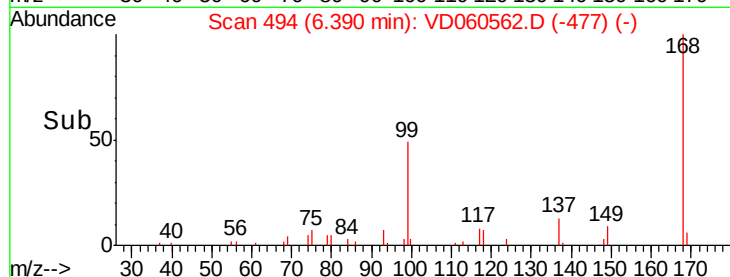
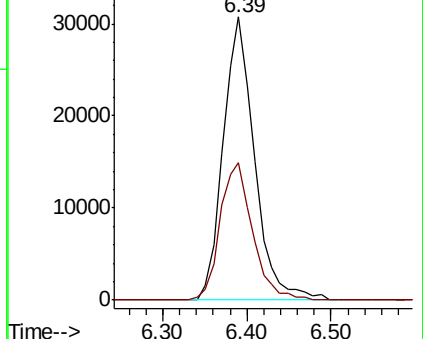
168 100

99 48.6 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: 1.176 ug/l

RT: 2.15 min Scan# 63

Delta R.T. -0.02 min

Lab File: VD060562.D

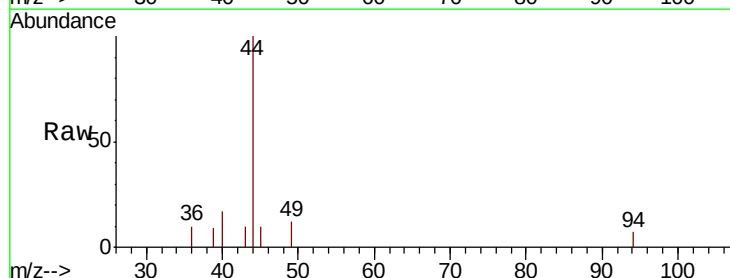
Acq: 13 Dec 2018 15:45

Tgt Ion: 94 Resp: 191

Ion Ratio Lower Upper

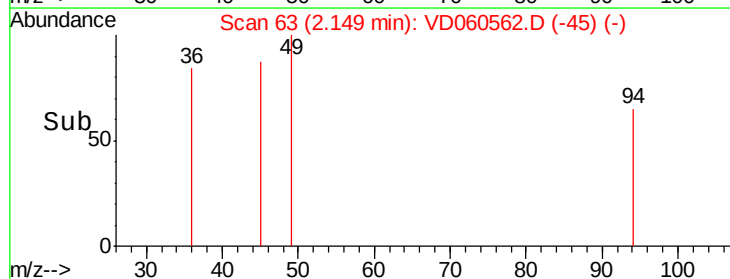
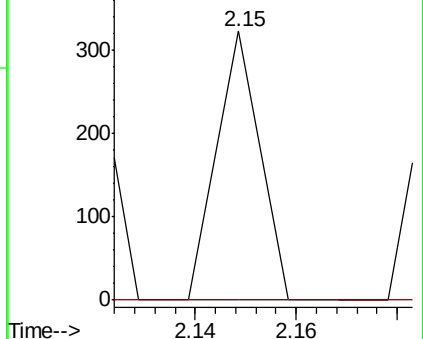
94 100

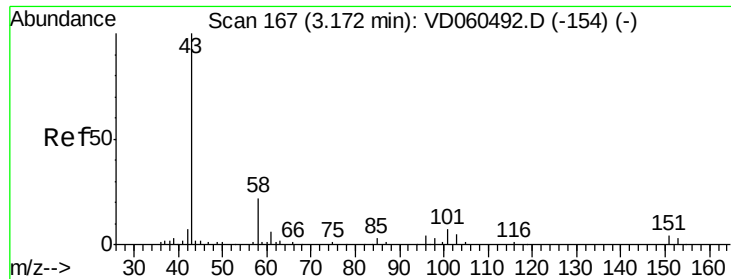
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 244.407 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

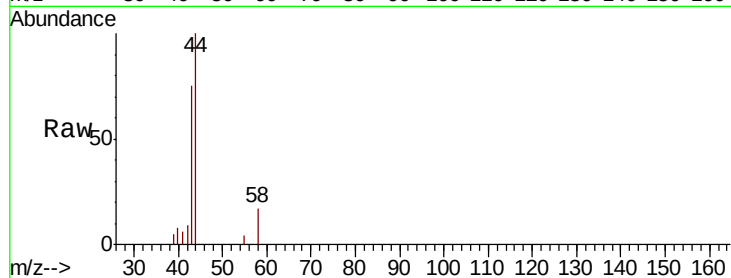
TEST-PIT-1

Tgt Ion: 43 Resp: 21984

Ion Ratio Lower Upper

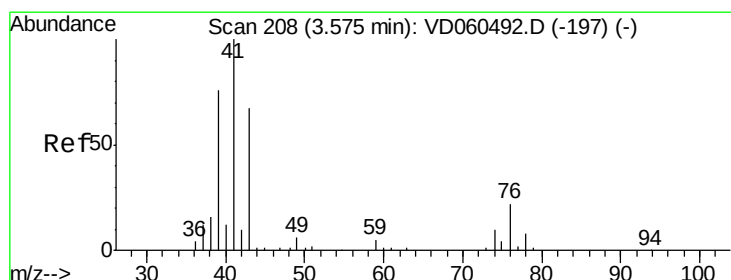
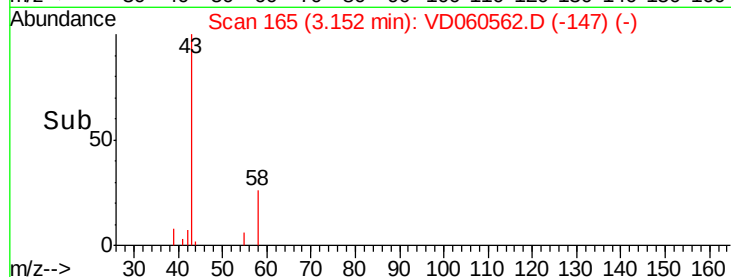
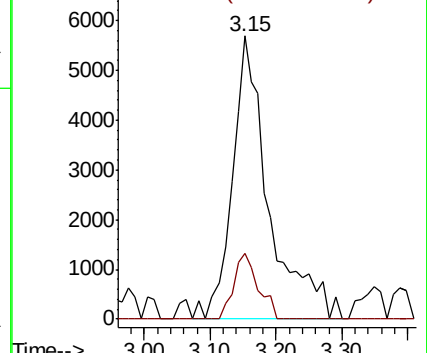
43 100

58 23.2 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 8.747 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.03 min

Lab File: VD060562.D

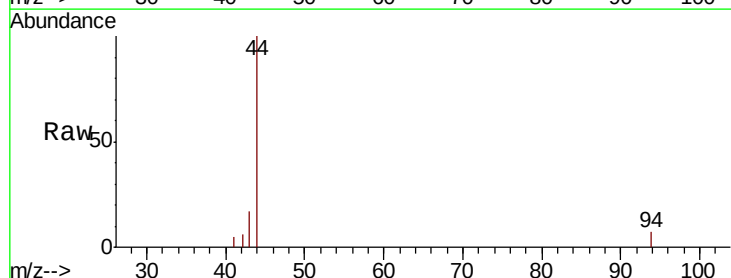
Acq: 13 Dec 2018 15:45

Tgt Ion: 43 Resp: 1870

Ion Ratio Lower Upper

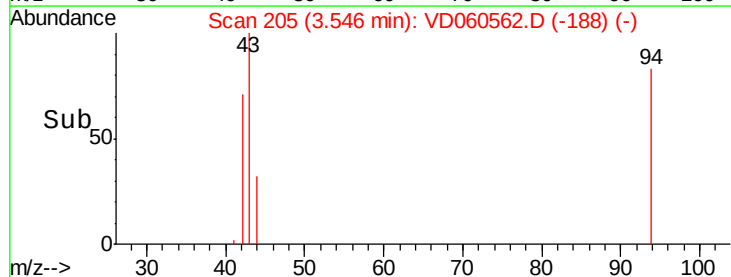
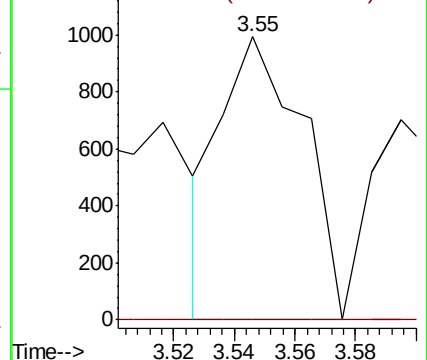
43 100

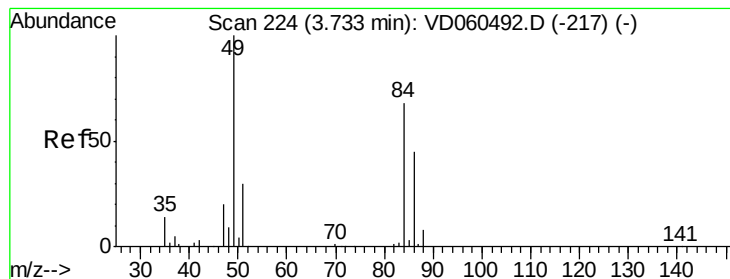
74 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 15.642 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

Tgt Ion: 84 Resp: 15457

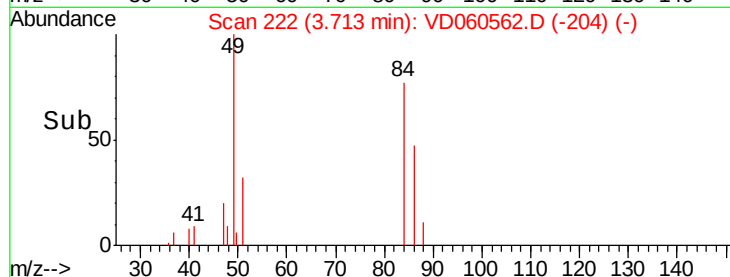
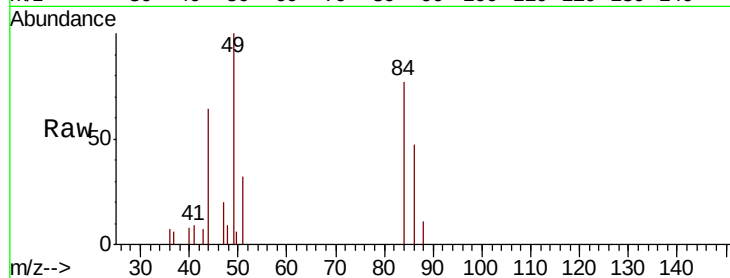
Ion Ratio Lower Upper

84 100

49 129.8 117.2 175.8

51 42.1 35.3 52.9

86 61.6 53.2 79.8

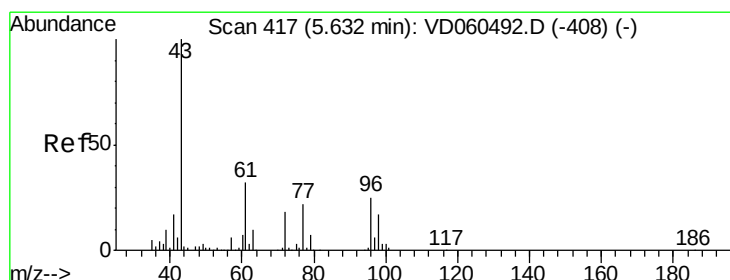
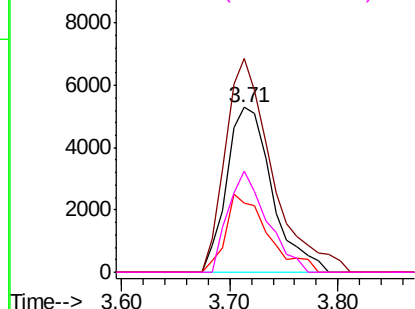


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 24.423 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.04 min

Lab File: VD060562.D

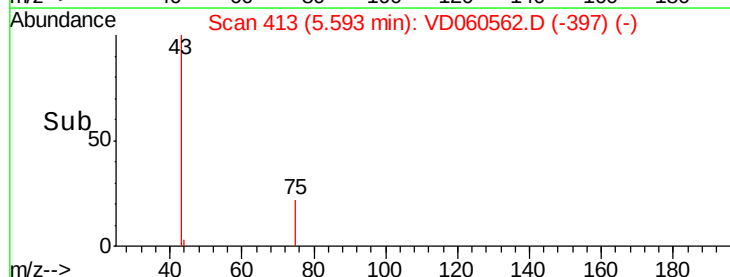
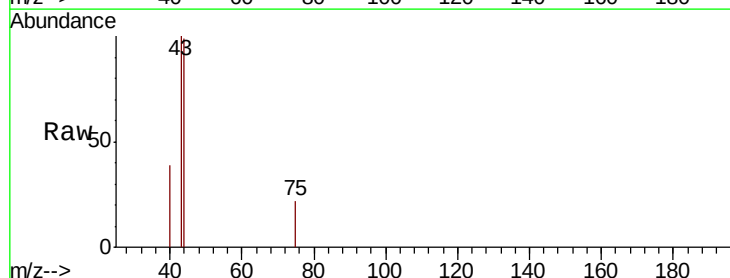
Acq: 13 Dec 2018 15:45

Tgt Ion: 43 Resp: 4322

Ion Ratio Lower Upper

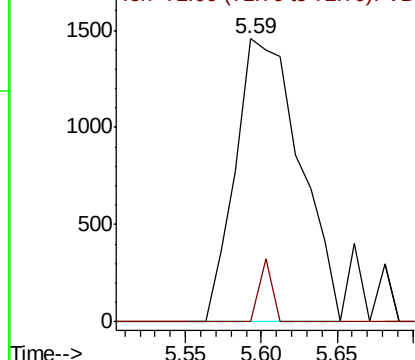
43 100

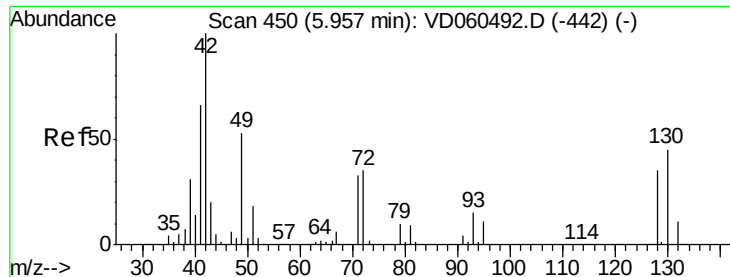
72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

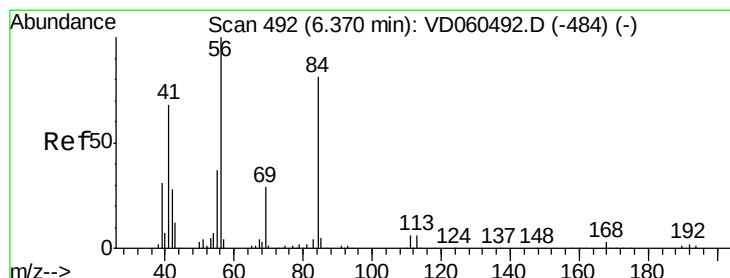
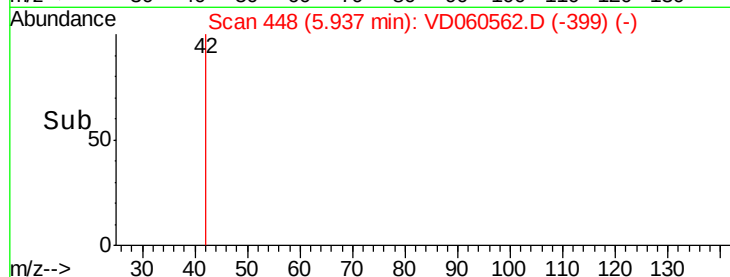
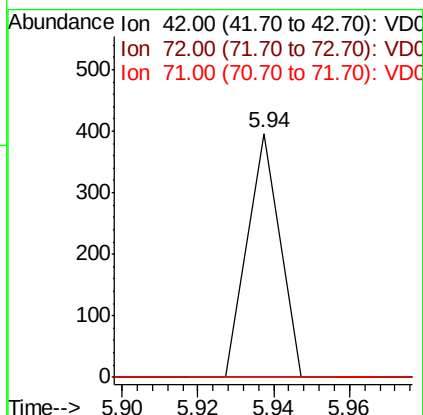
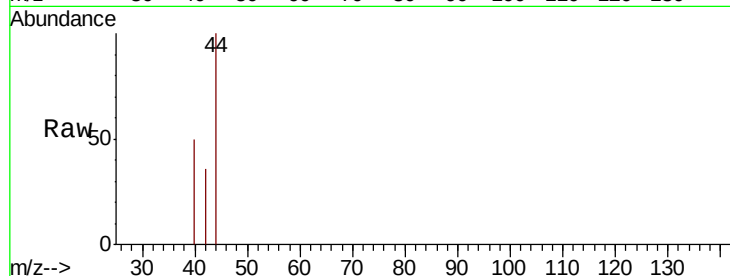




#29
Tetrahydrofuran
Concen: 2.335 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.02 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

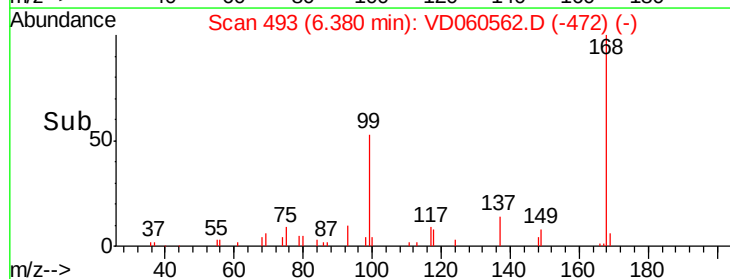
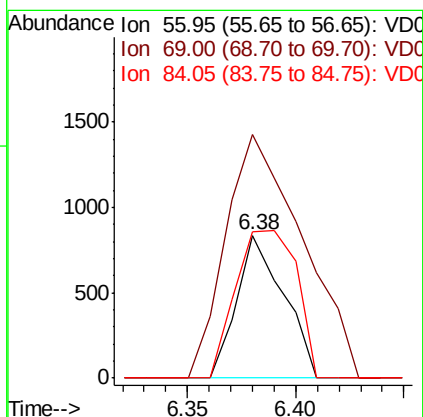
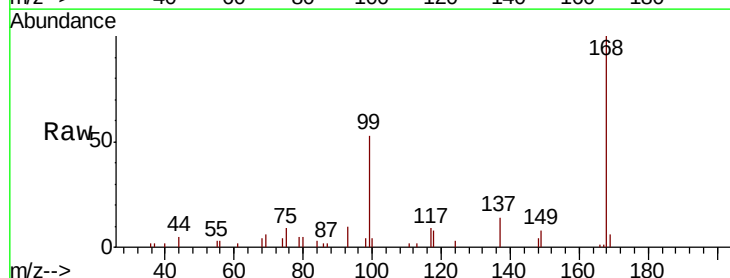
Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

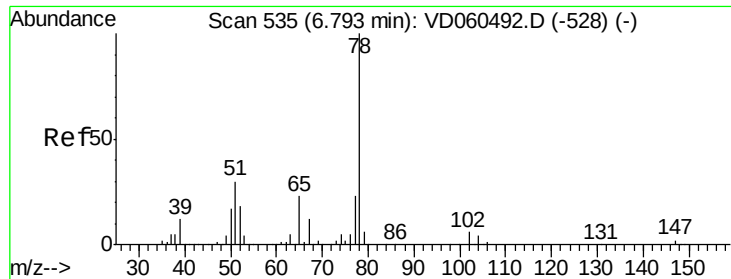
Tgt Ion: 42 Resp: 234
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.38 min Scan# 493
Delta R.T. 0.01 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Tgt Ion: 56 Resp: 1261
Ion Ratio Lower Upper
56 100
69 170.7 22.8 34.2#
84 102.2 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

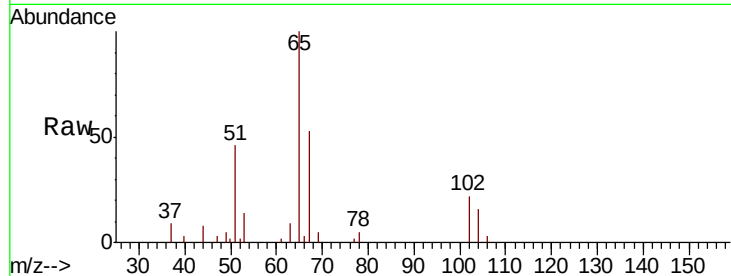
TEST-PIT-1

Tgt Ion: 65 Resp: 44865

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

20000

15000

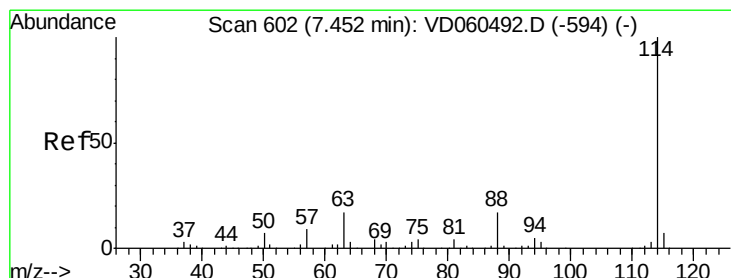
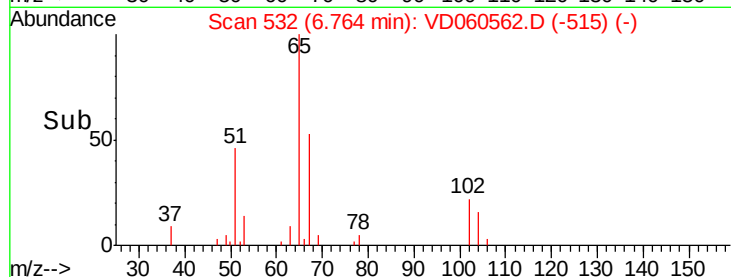
10000

5000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

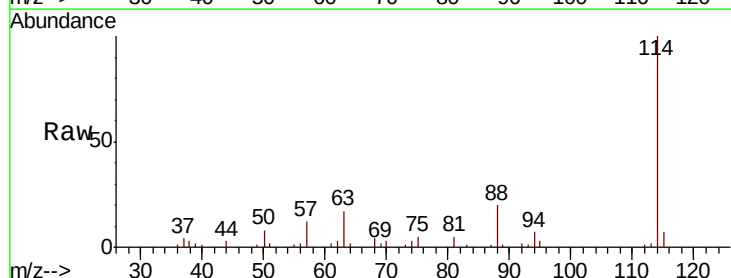
Tgt Ion: 114 Resp: 127528

Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.2

88 19.7 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.42

60000

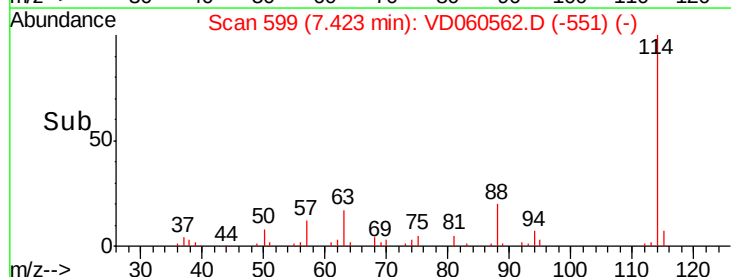
40000

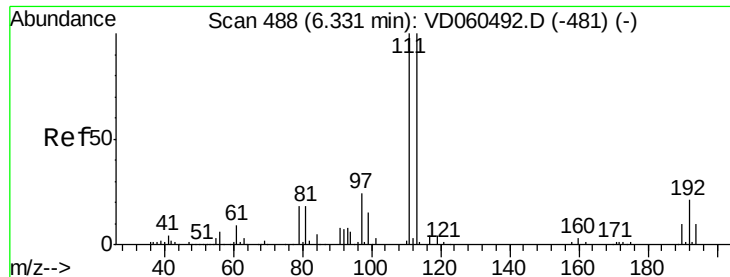
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0

7.30 7.40 7.50 7.60

Time-->

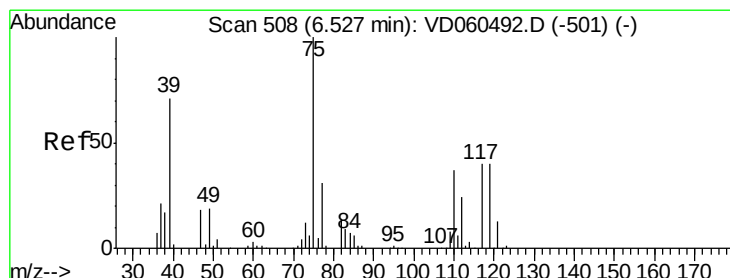
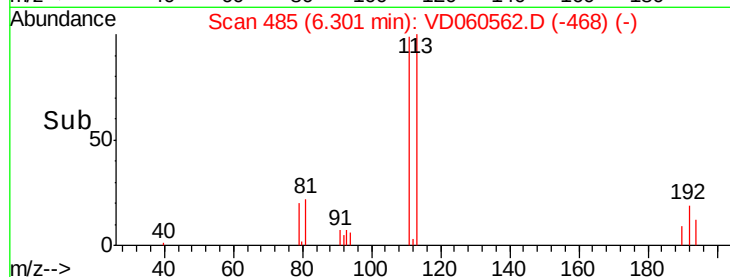
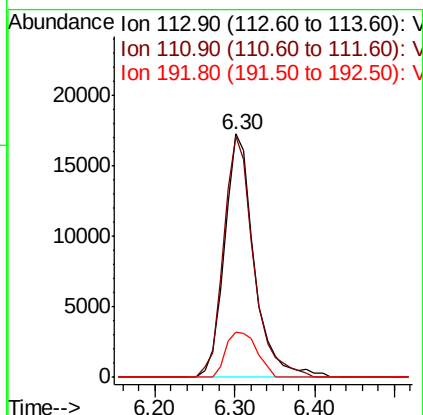
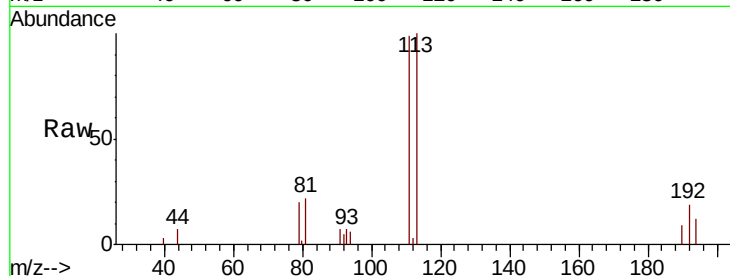




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.03 min
 Lab File: VD060562.D
 Acq: 13 Dec 2018 15:45

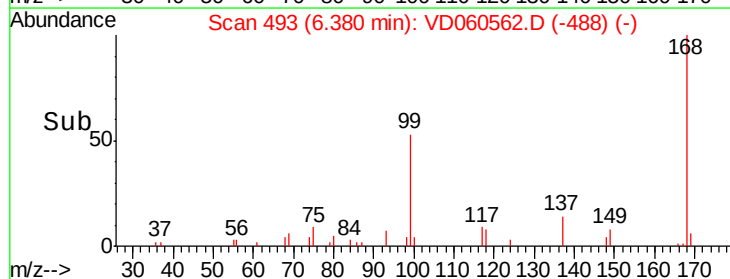
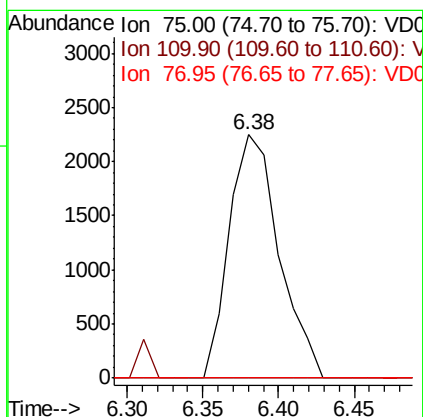
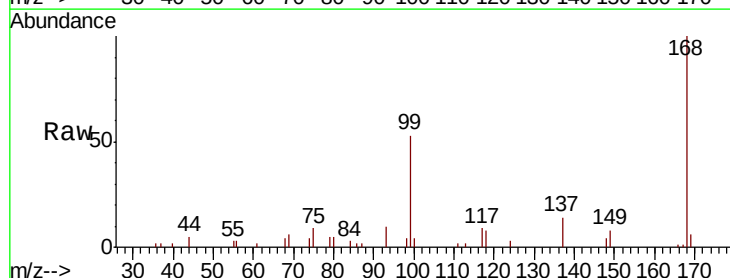
Instrument :
 MSVOA_D
 ClientSampleId :
 TEST-PIT-1

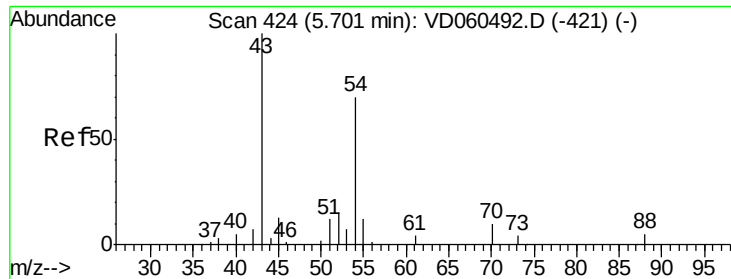
Tgt Ion: 113 Resp: 45062
 Ion Ratio Lower Upper
 113 100
 111 99.0 80.2 120.4
 192 18.6 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 4.150 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.15 min
 Lab File: VD060562.D
 Acq: 13 Dec 2018 15:45

Tgt Ion: 75 Resp: 5173
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.0 24.6 37.0#

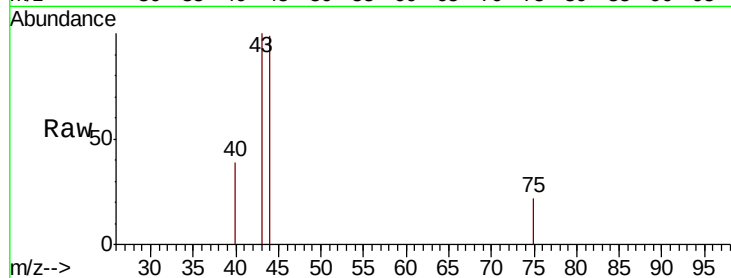




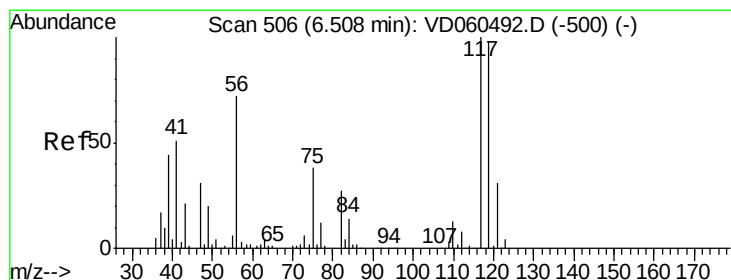
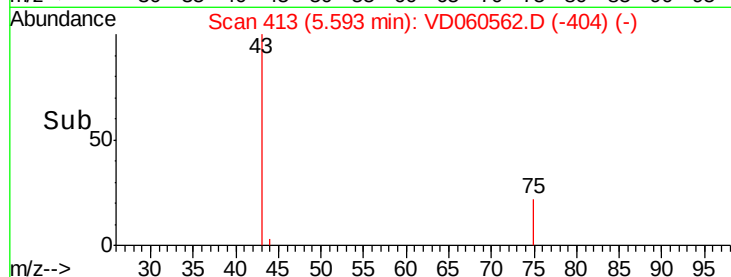
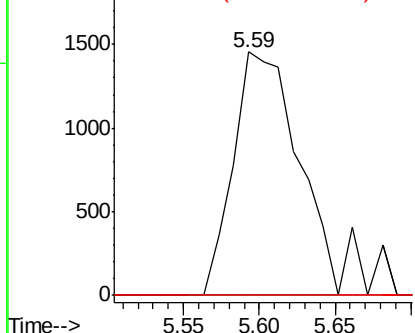
#37
Ethyl Acetate
Concen: 7.995 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.11 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

Tgt Ion: 43 Resp: 4322
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 5.4 8.0#

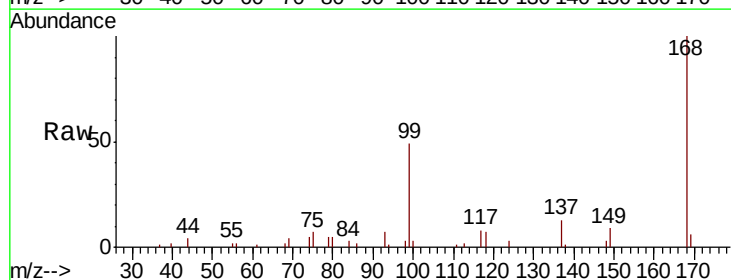


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

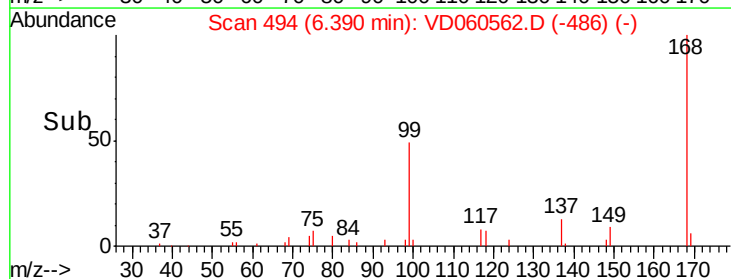
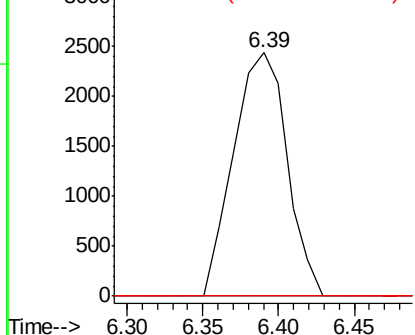


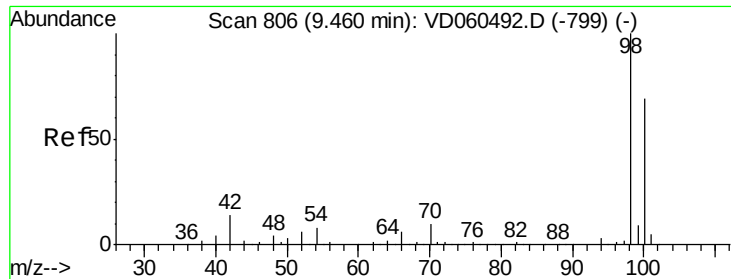
#38
Carbon Tetrachloride
Concen: 5.369 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Tgt Ion: 117 Resp: 6008
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

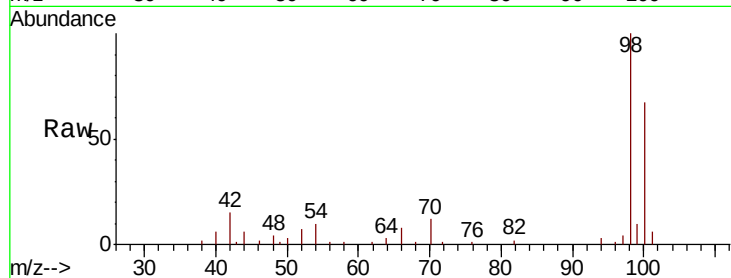




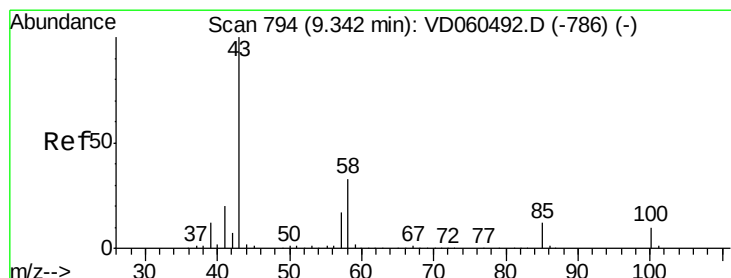
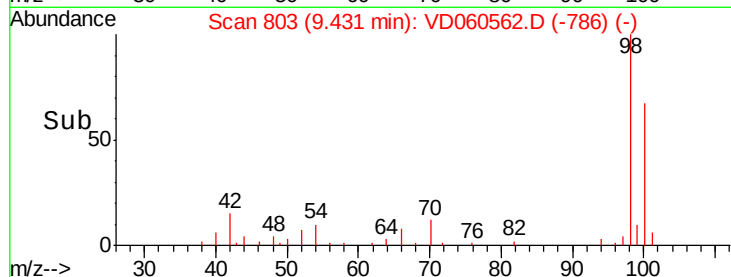
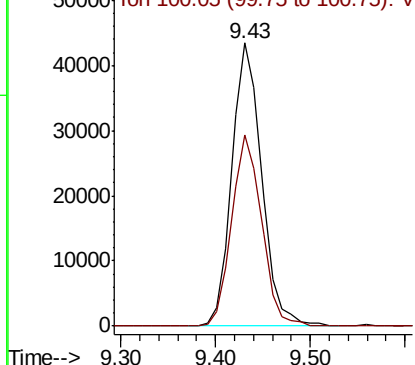
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.43 min Scan# 803
Delta R.T. -0.03 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

Tgt Ion: 98 Resp: 94559
Ion Ratio Lower Upper
98 100
100 67.4 55.7 83.5

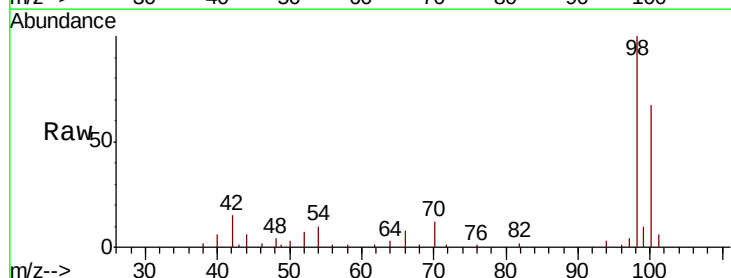


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

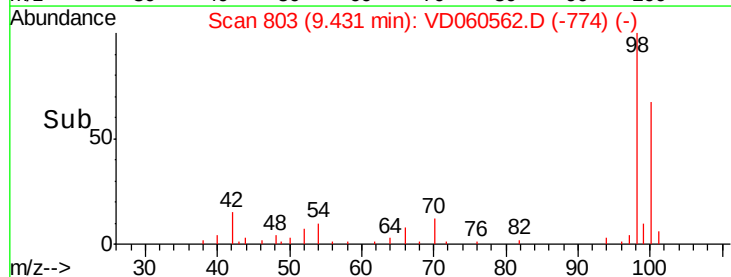
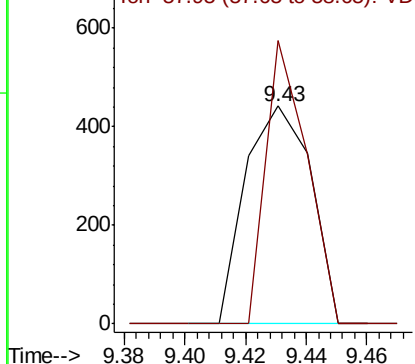


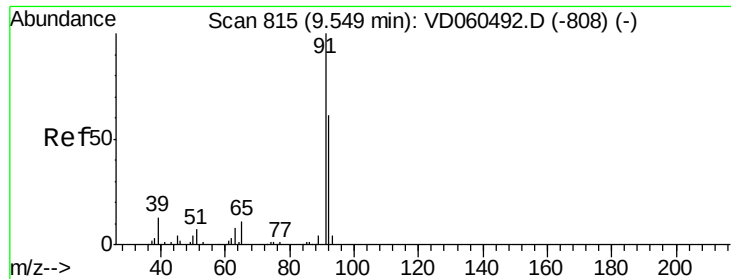
#51
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 9.43 min Scan# 803
Delta R.T. 0.09 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Tgt Ion: 43 Resp: 666
Ion Ratio Lower Upper
43 100
58 129.9 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 7.926 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

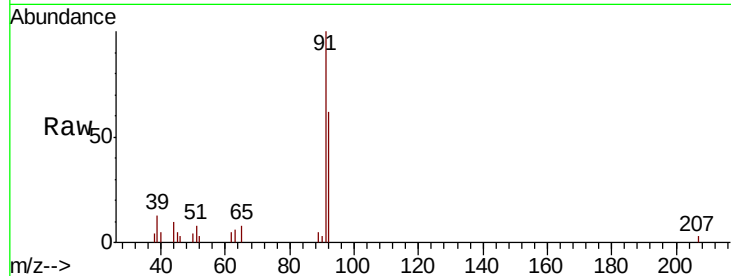
TEST-PIT-1

Tgt Ion: 92 Resp: 15782

Ion Ratio Lower Upper

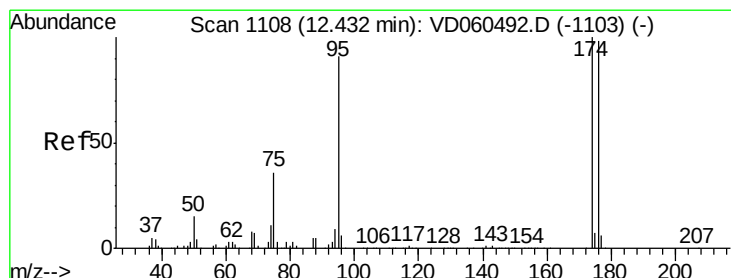
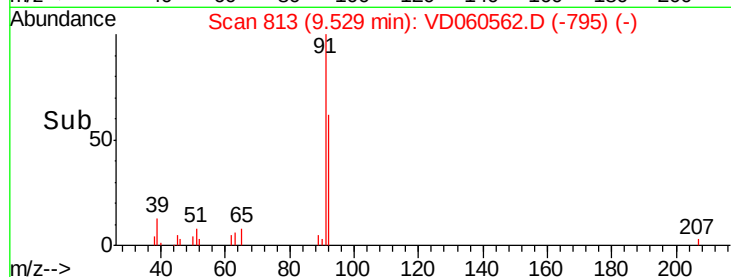
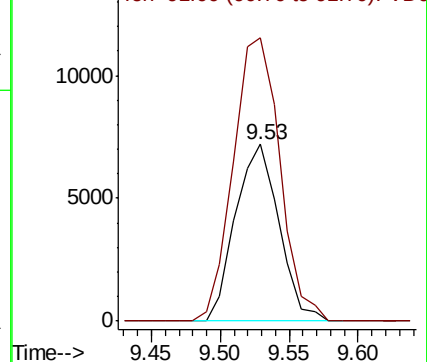
92 100

91 160.2 131.7 197.5



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: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

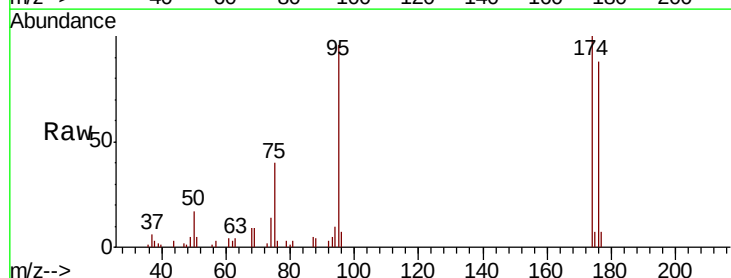
Tgt Ion: 95 Resp: 37996

Ion Ratio Lower Upper

95 100

174 104.4 0.0 219.4

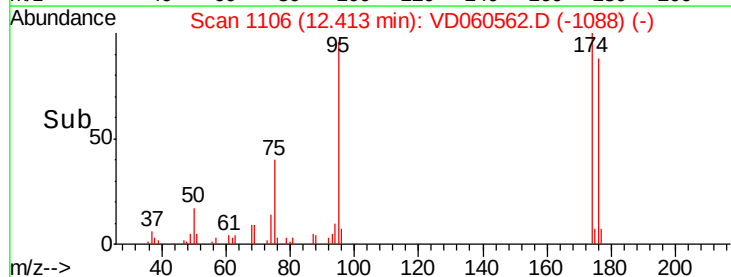
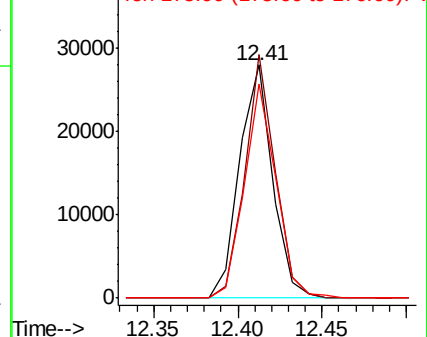
176 91.8 0.0 214.6

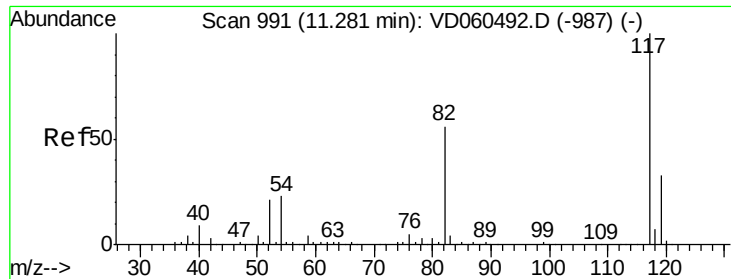


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

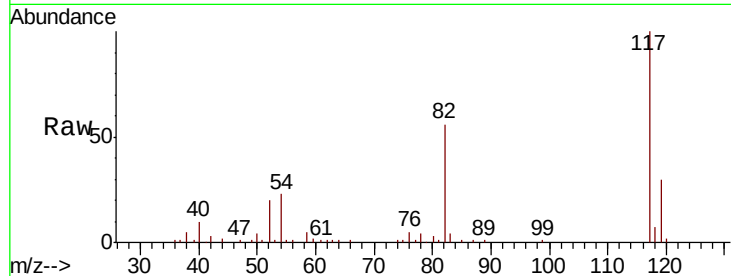




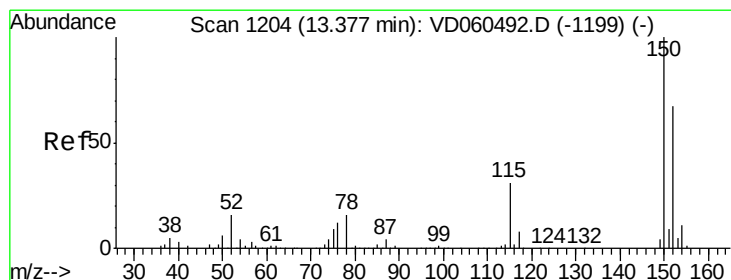
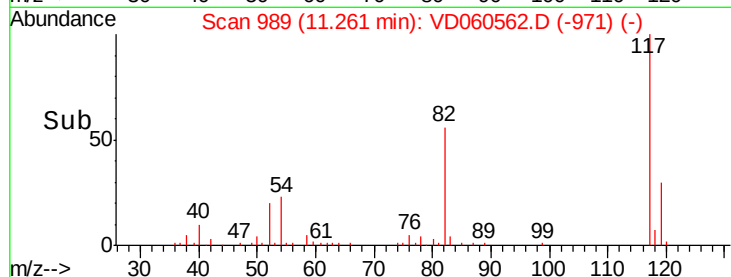
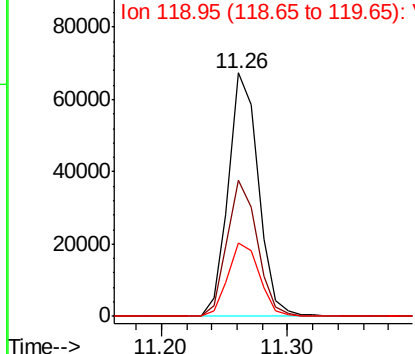
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 989
Delta R.T. -0.02 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-1

Tgt Ion:117 Resp: 110558
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 30.2 26.1 39.1

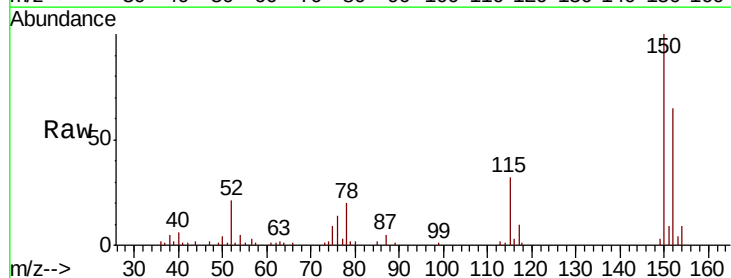


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

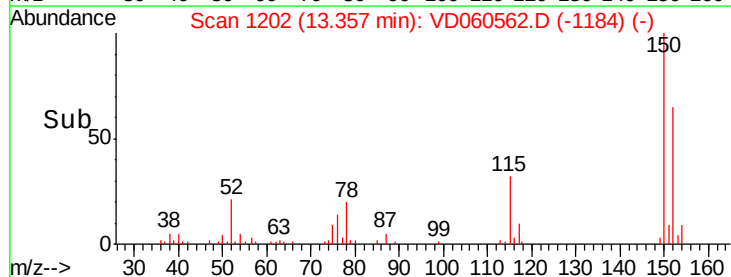
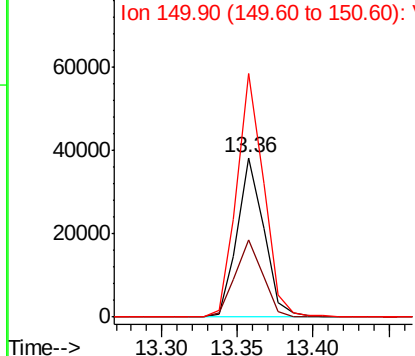


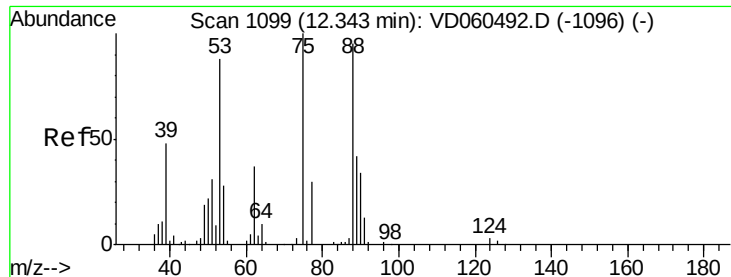
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD060562.D
Acq: 13 Dec 2018 15:45

Tgt Ion:152 Resp: 47102
Ion Ratio Lower Upper
152 100
115 48.8 24.6 74.0
150 152.7 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: 103.245 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.07 min

Lab File: VD060562.D

Acq: 13 Dec 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

TEST-PIT-1

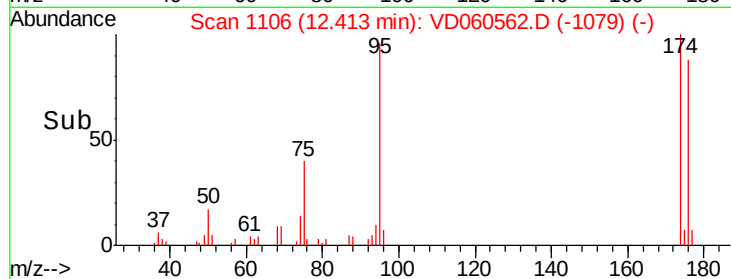
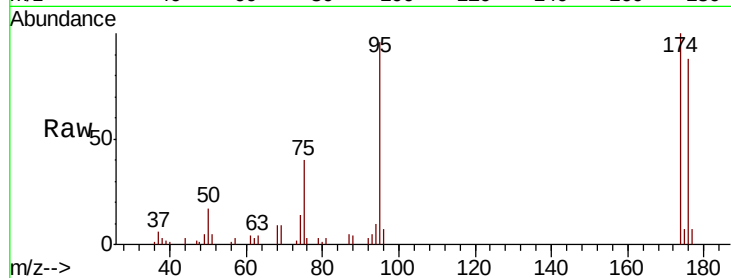
Tgt Ion: 75 Resp: 15368

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

