

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003589.D
 Acq On : 27 Jun 2018 00:57
 Operator : SY/AP
 Sample : J3702-01
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BS-STONE

Quant Time: Jun 27 07:56:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	100351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	182779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	109822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	70838	65.17	ug/l	0.00
Spiked Amount			Recovery	=	130.34%	
35) Dibromofluoromethane	7.88	113	58943	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.33	98	112296	24.94	ug/l	0.00
Spiked Amount			Recovery	=	49.88%	
62) 4-Bromofluorobenzene	12.63	95	25484	15.99	ug/l	0.00
Spiked Amount			Recovery	=	31.98%	

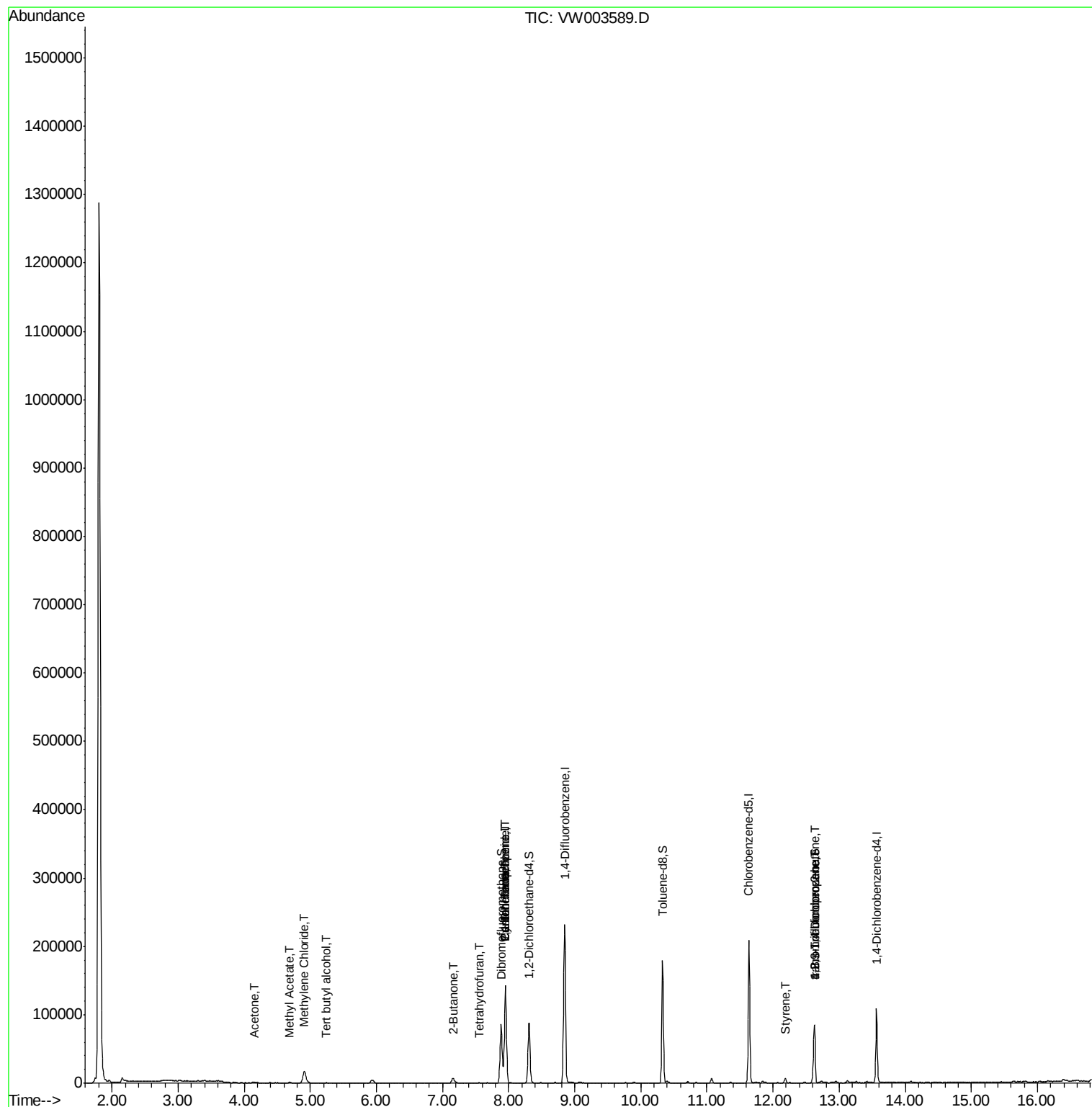
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	65	1.115	ug/l #	84
16) Acetone	4.15	43	1251	5.488	ug/l	91
18) Methyl Acetate	4.67	43	946	1.749	ug/l #	65
20) Methylene Chloride	4.91	84	13332	10.896	ug/l	98
25) 2-Butanone	7.17	43	319	1.125	ug/l #	50
29) Tetrahydrofuran	7.55	42	257	1.483	ug/l #	61
31) Cyclohexane	7.95	56	2852	1.624	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	8529	4.832	ug/l #	52
38) Carbon Tetrachloride	7.95	117	10451	6.036	ug/l #	17
70) Styrene	12.19	104	2476	1.042	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	13853	59.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	13853	138.020	ug/l #	8

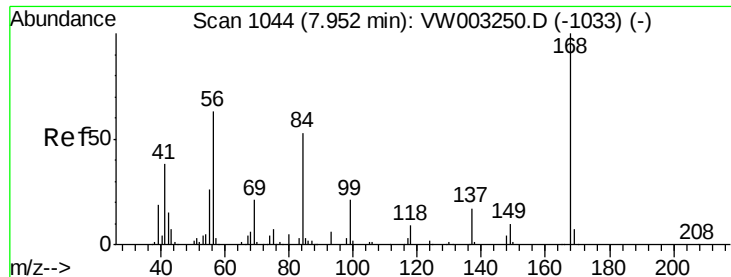
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

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MSVOA_W

ClientSampleId :

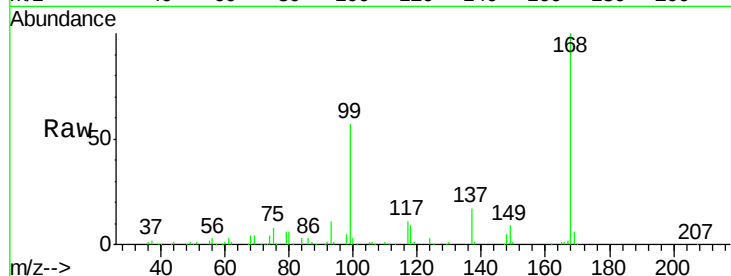
BS-STONE

Tgt Ion:168 Resp: 100351

Ion Ratio Lower Upper

168 100

99 57.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

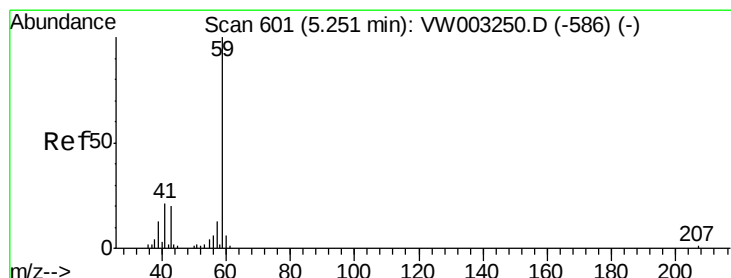
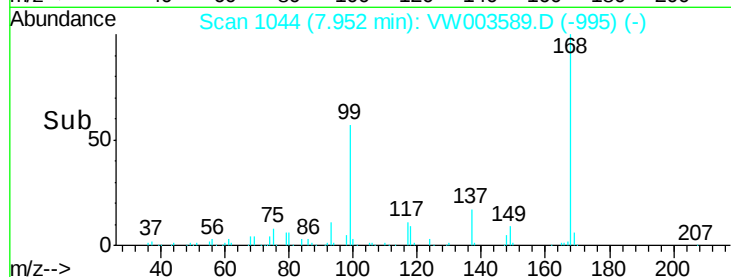
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.115 ug/l

RT: 5.25 min Scan# 601

Delta R.T. 0.00 min

Lab File: VW003589.D

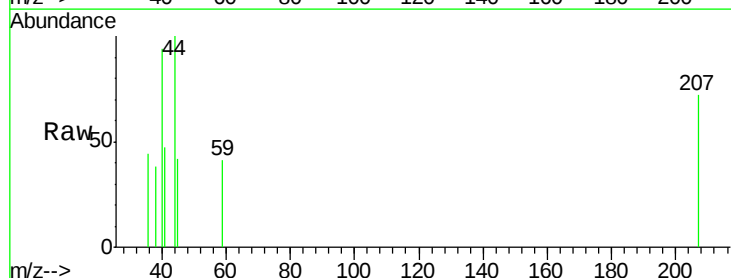
Acq: 27 Jun 2018 00:57

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

80

60

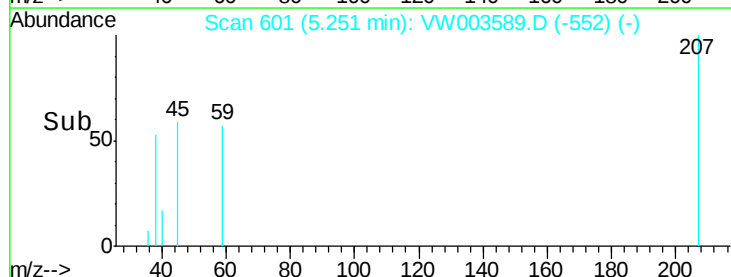
40

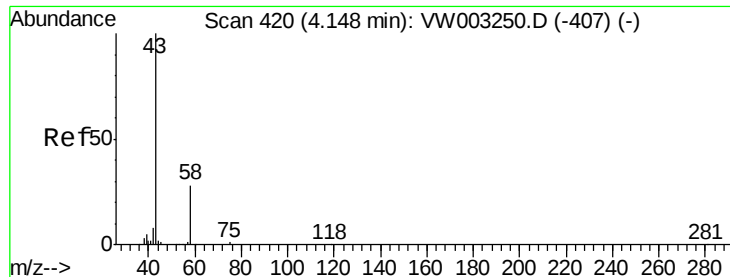
20

0

5.22 5.24 5.26

Time-->





#16

Acetone

Concen: 5.488 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

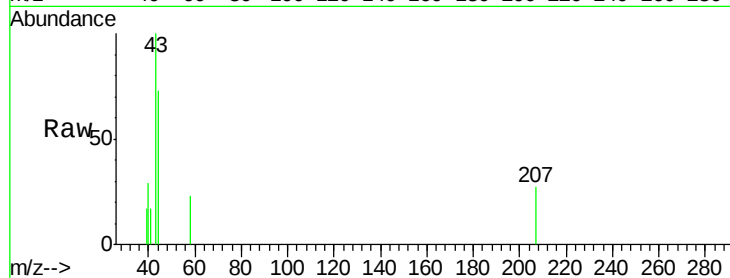
BS-STONE

Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

58 23.3 22.6 34.0



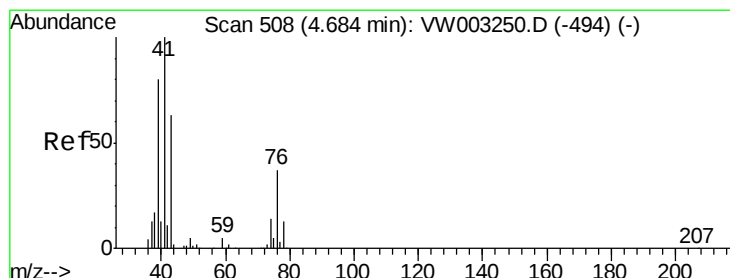
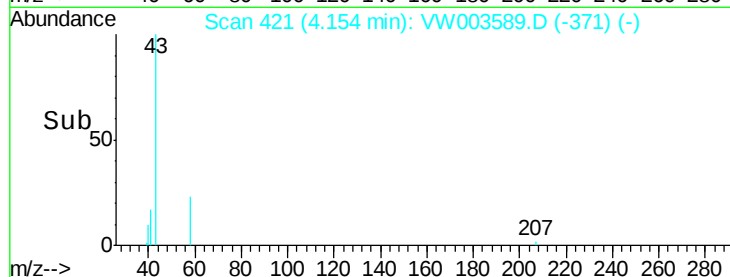
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

4.20

Time-->



#18

Methyl Acetate

Concen: 1.749 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW003589.D

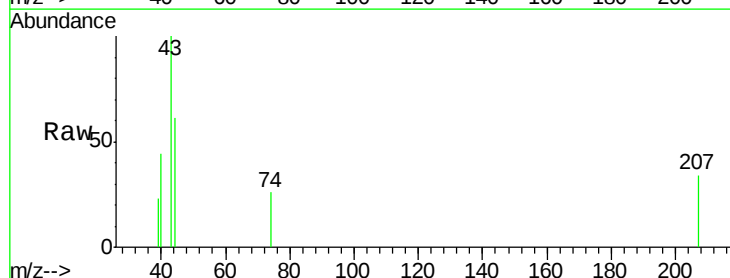
Acq: 27 Jun 2018 00:57

Tgt Ion: 43 Resp: 946

Ion Ratio Lower Upper

43 100

74 6.2 18.7 28.1#



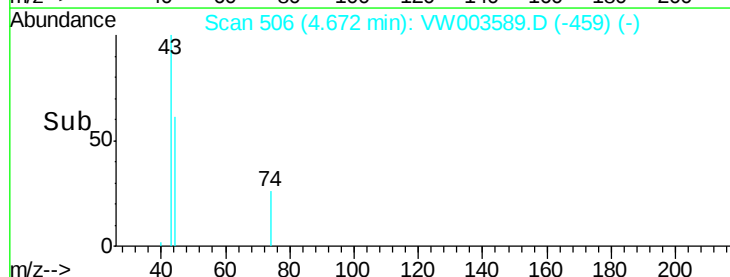
Abundance Ion 43.00 (42.70 to 43.70): VW

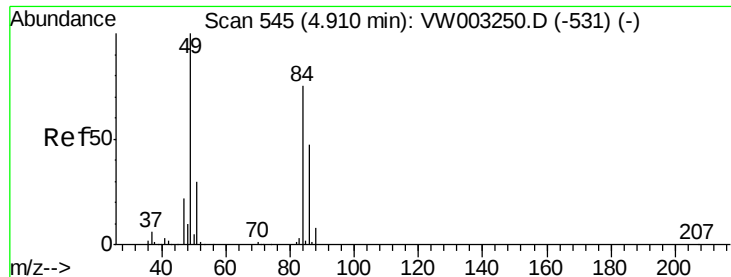
Ion 74.00 (73.70 to 74.70): VW

4.67

4.75

Time-->

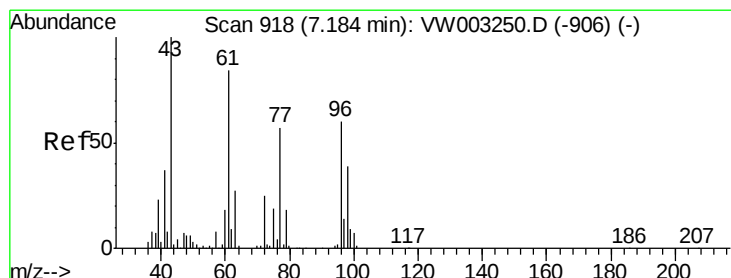
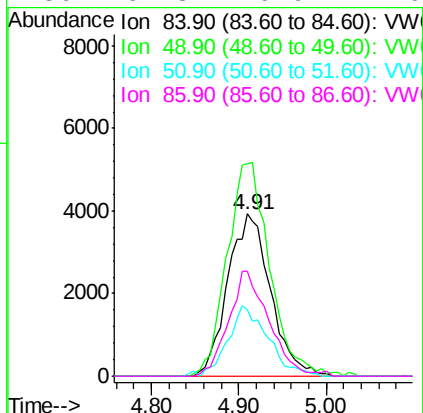
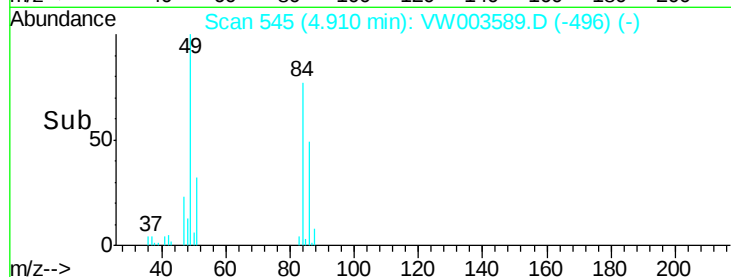
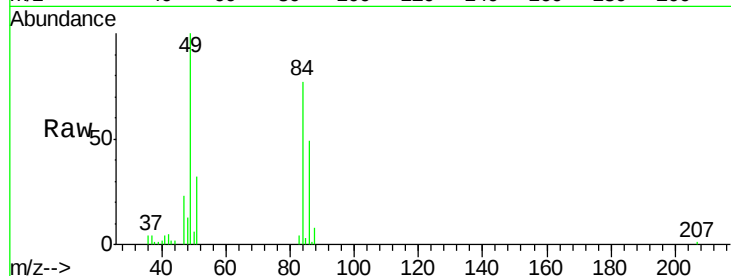




#20
Methylene Chloride
Concen: 10.896 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

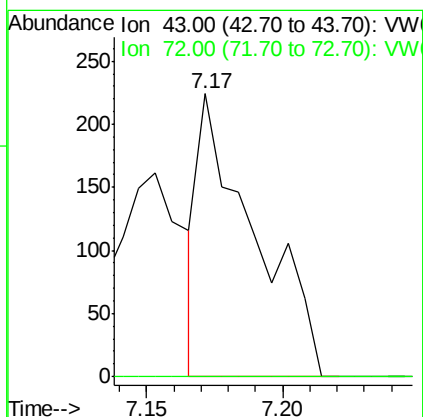
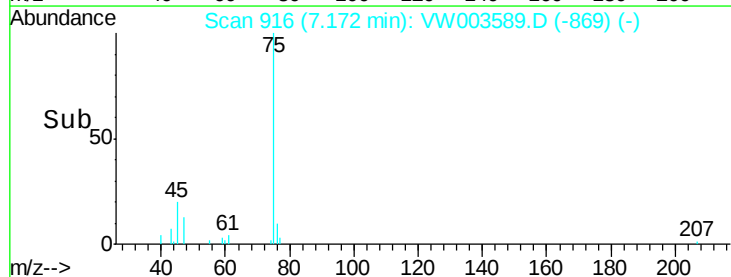
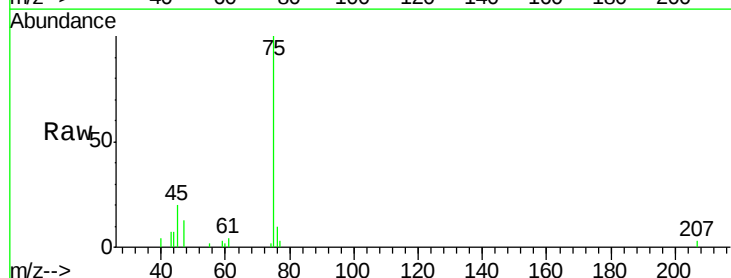
Instrument :
MSVOA_W
ClientSampleId :
BS-STONE

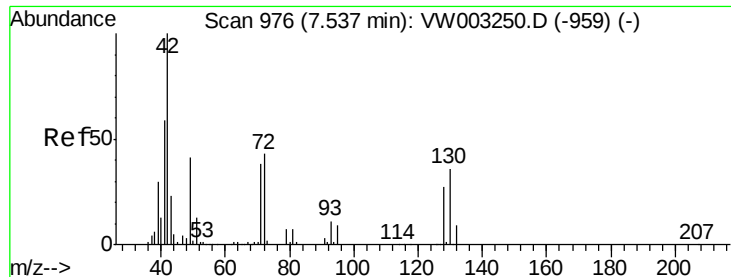
Tgt Ion: 84 Resp: 13332
Ion Ratio Lower Upper
84 100
49 130.7 106.3 159.5
51 41.3 32.0 48.0
86 64.3 49.9 74.9



#25
2-Butanone
Concen: 1.125 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#

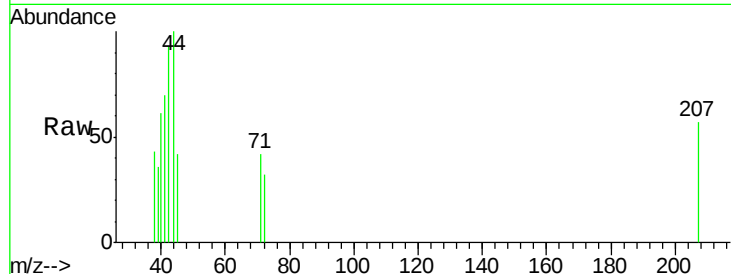




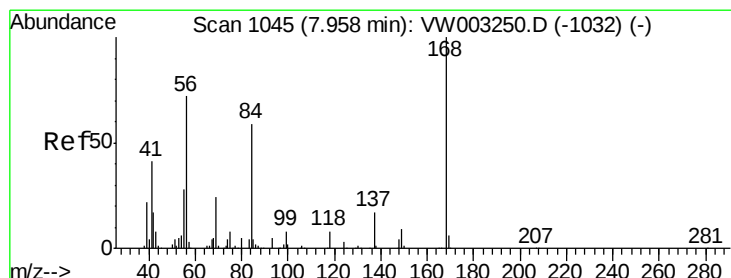
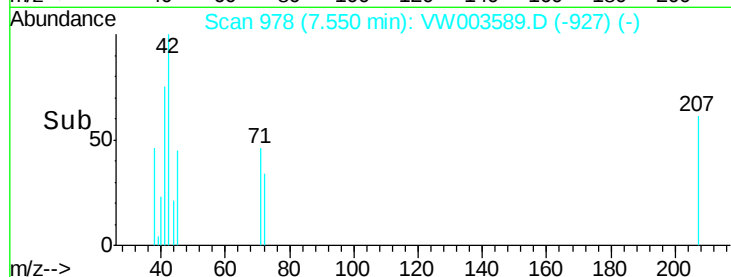
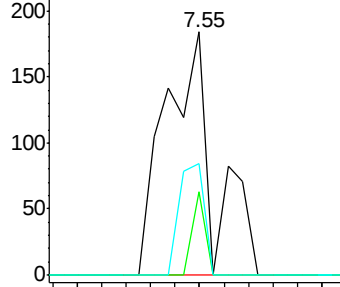
#29
Tetrahydrofuran
Concen: 1.483 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Instrument :
MSVOA_W
ClientSampleId :
BS-STONE

Tgt Ion: 42 Resp: 257
Ion Ratio Lower Upper
42 100
72 8.9 32.4 48.6#
71 23.0 31.2 46.8#

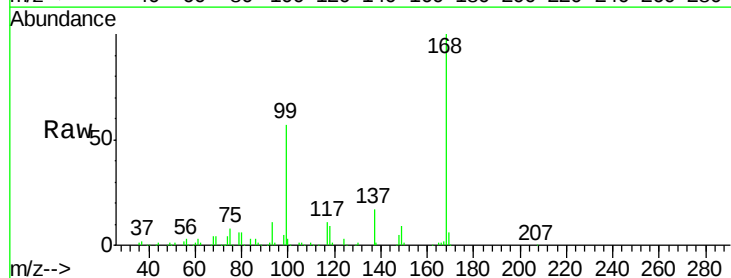


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

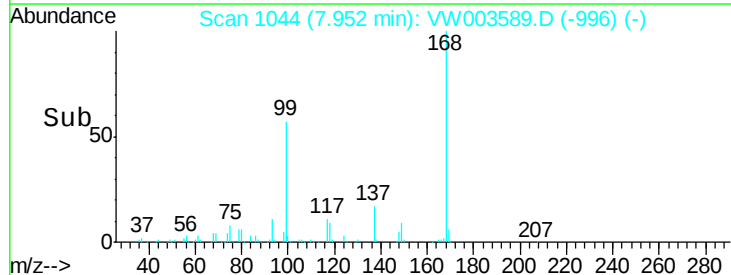
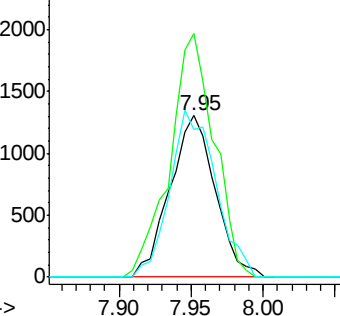


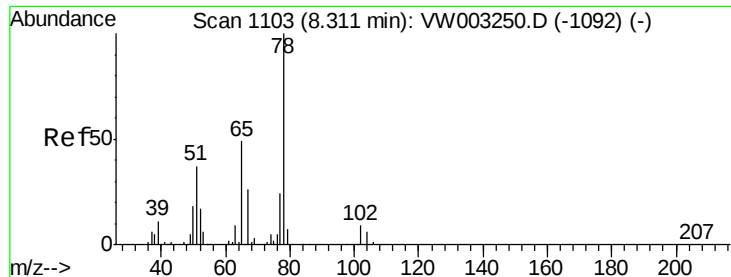
#31
Cyclohexane
Concen: 1.624 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Tgt Ion: 56 Resp: 2852
Ion Ratio Lower Upper
56 100
69 151.2 26.3 39.5#
84 91.4 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 65.171 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

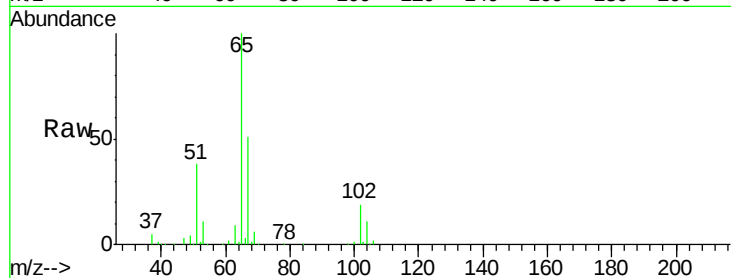
BS-STONE

Tgt Ion: 65 Resp: 70838

Ion Ratio Lower Upper

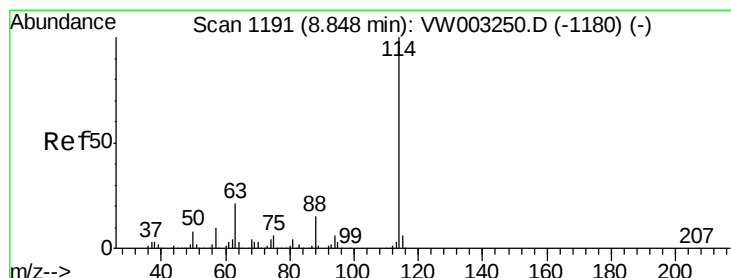
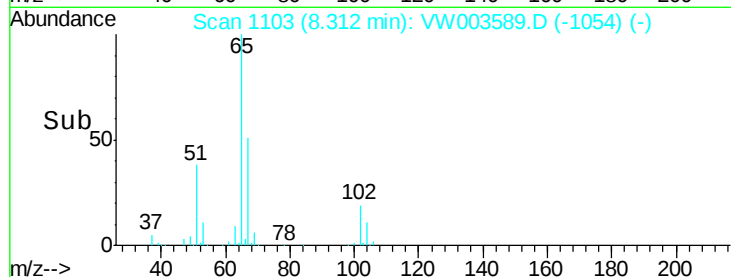
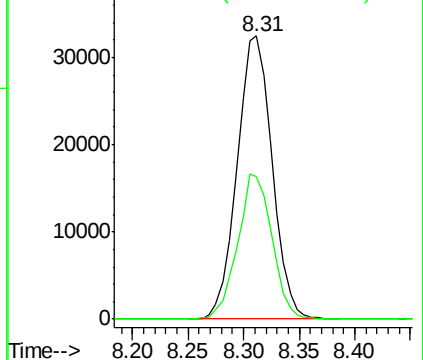
65 100

67 50.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

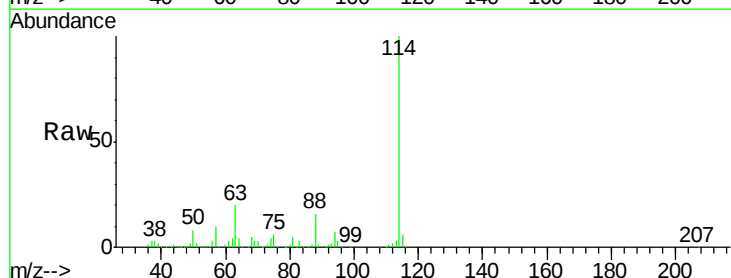
Tgt Ion: 114 Resp: 182779

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.0

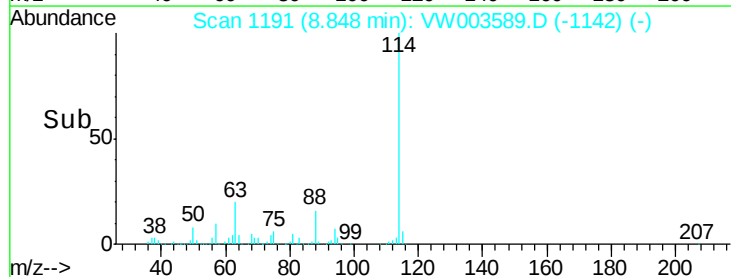
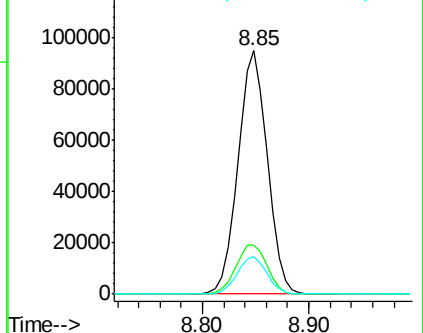
88 15.6 0.0 29.6

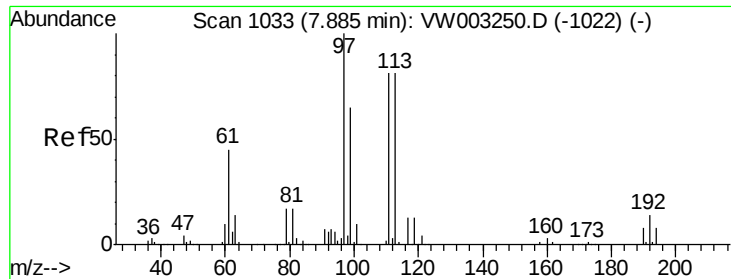


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 51.899 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

Instrument :

MSVOA_W

ClientSampleId :

BS-STONE

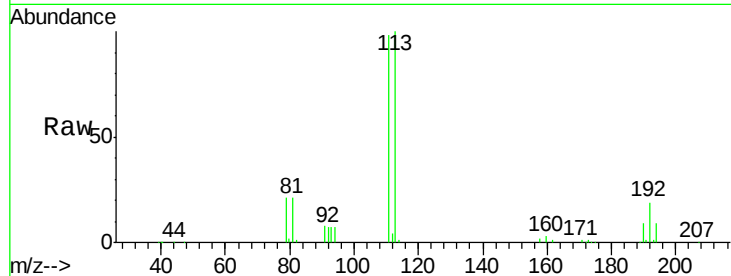
Tgt Ion:113 Resp: 58943

Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.2

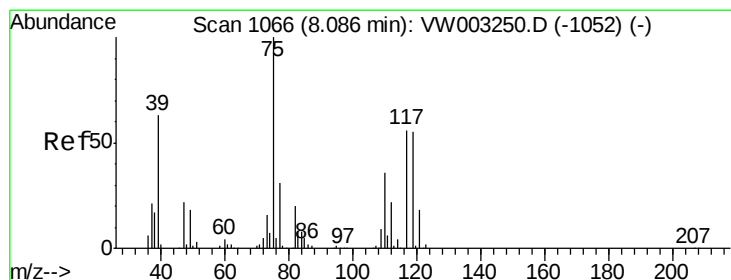
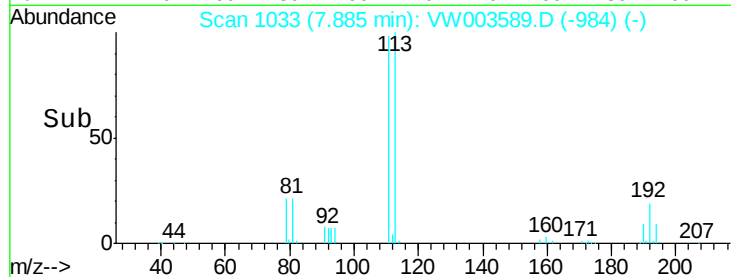
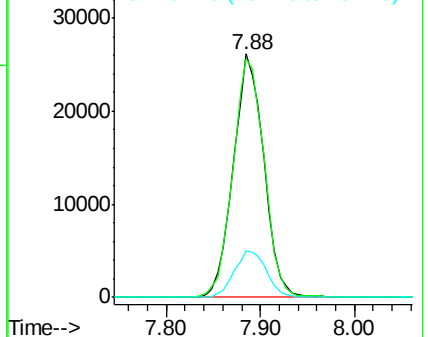
192 20.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003589.D

Acq: 27 Jun 2018 00:57

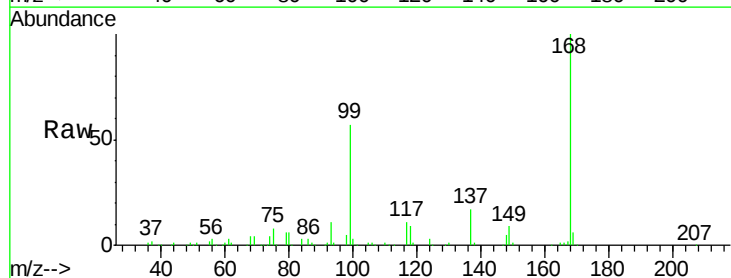
Tgt Ion: 75 Resp: 8529

Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.3#

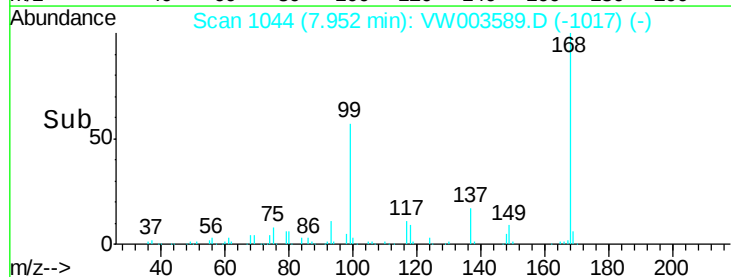
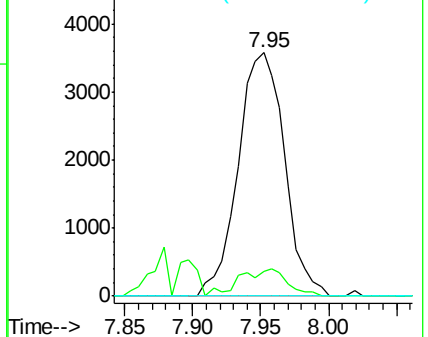
77 0.0 24.9 37.3#

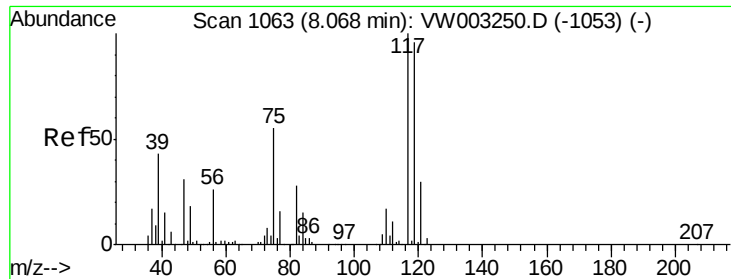


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

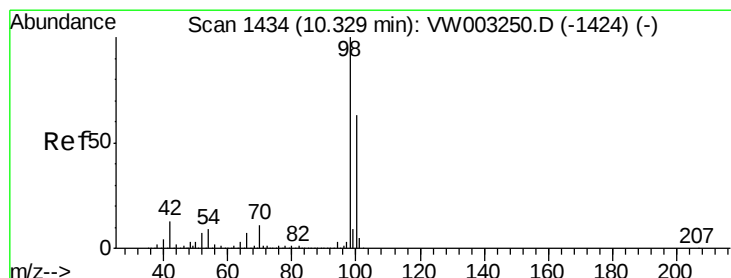
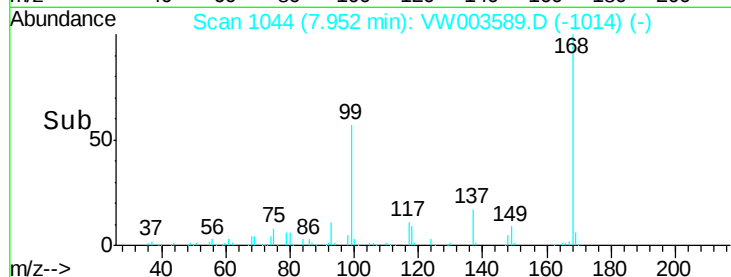
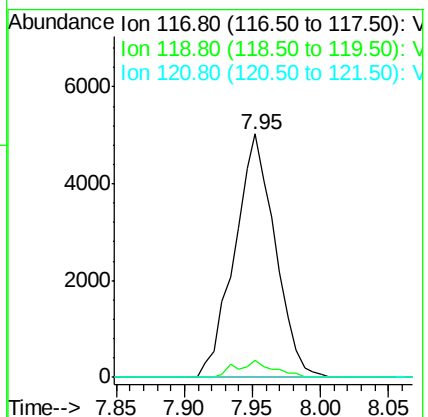
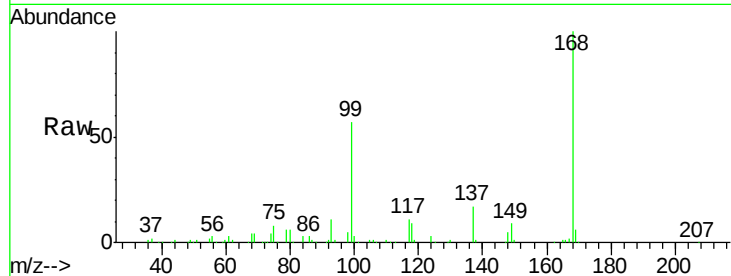




#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

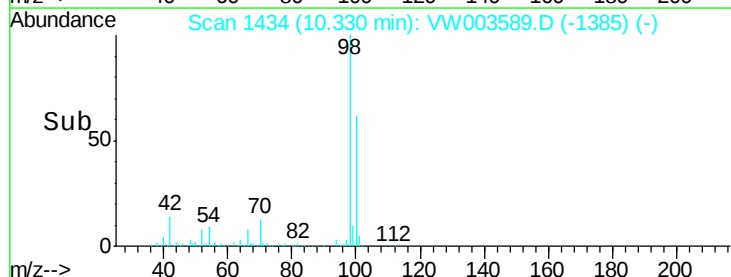
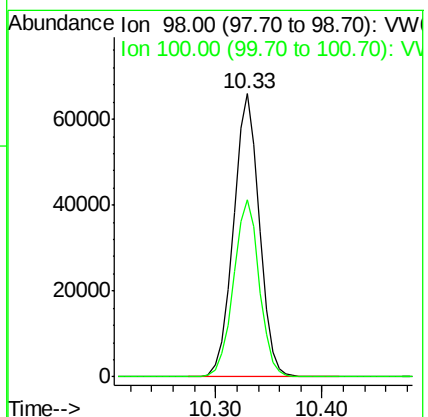
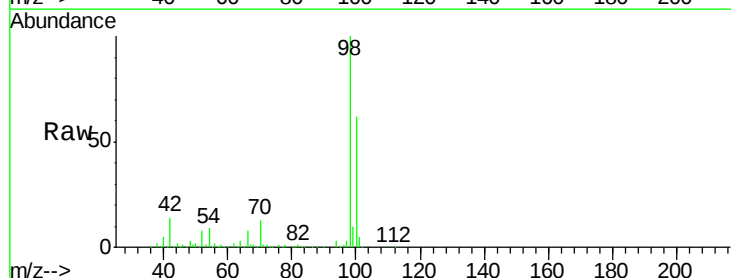
Instrument :
MSVOA_W
ClientSampleId :
BS-STONE

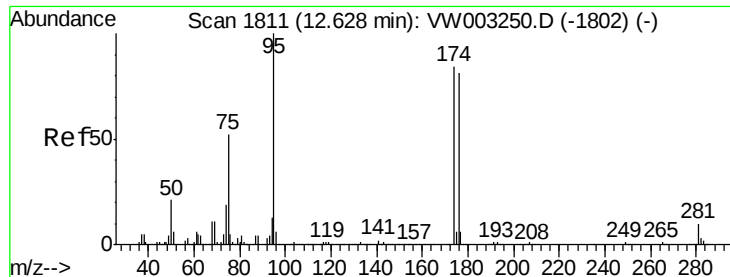
Tgt Ion:117 Resp: 10451
Ion Ratio Lower Upper
117 100
119 6.8 76.6 115.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 24.936 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Tgt Ion: 98 Resp: 112296
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2

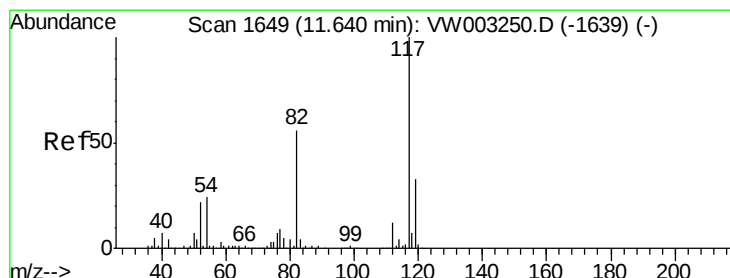
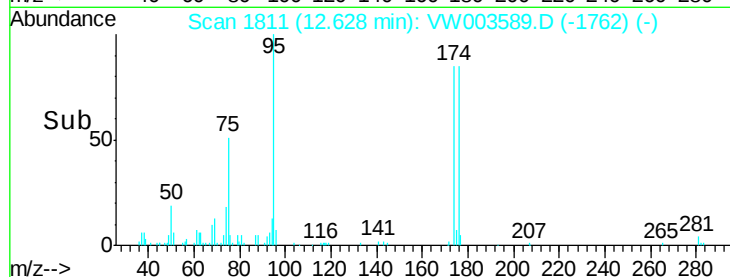
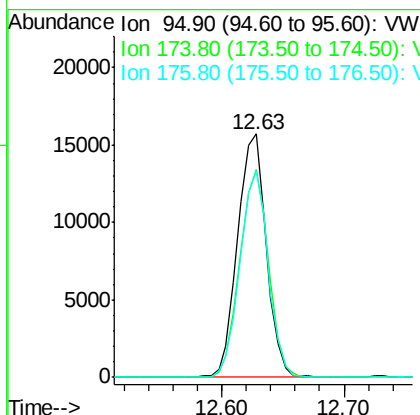
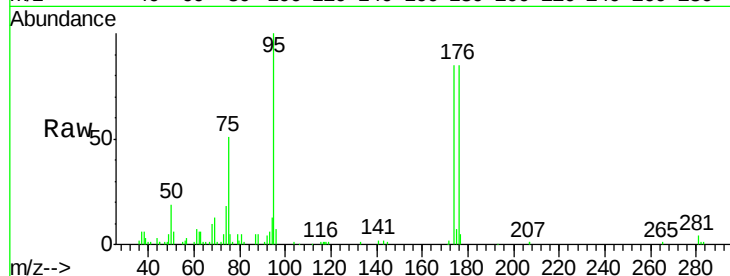




#62
4-Bromofluorobenzene
Concen: 15.990 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

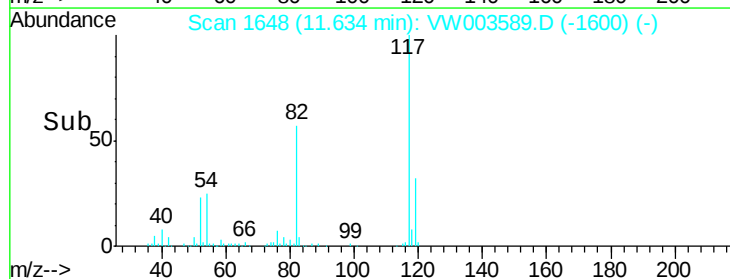
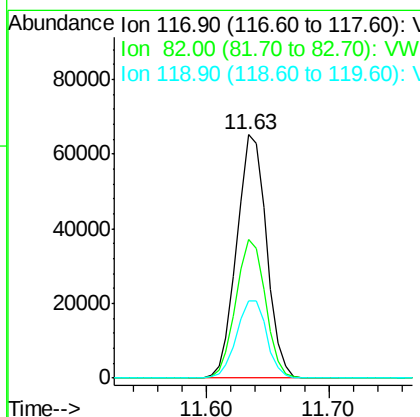
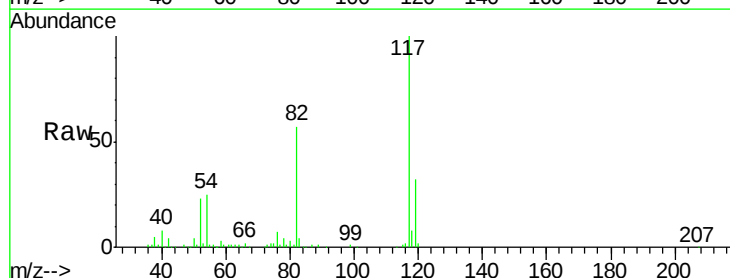
Instrument :
MSVOA_W
ClientSampleId :
BS-STONE

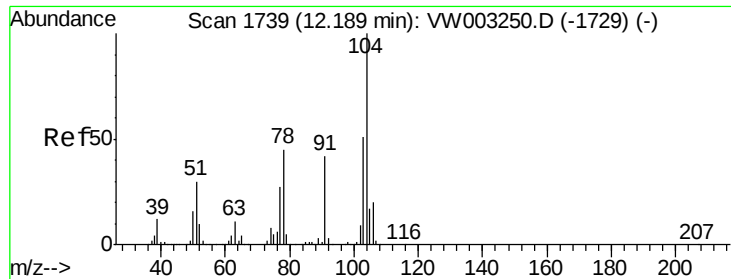
Tgt Ion: 95 Resp: 25484
Ion Ratio Lower Upper
95 100
174 85.4 0.0 166.4
176 83.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Tgt Ion: 117 Resp: 109822
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 31.8 26.7 40.1

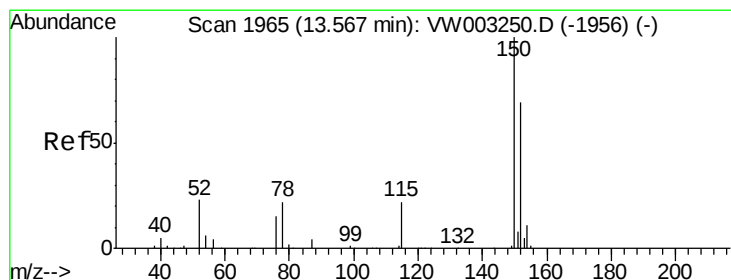
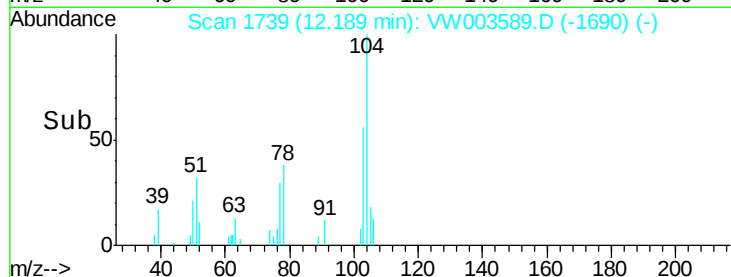
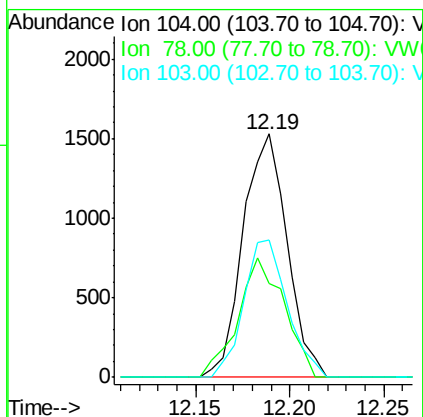
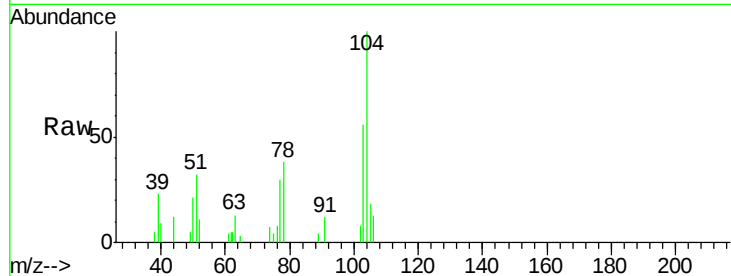




#70
Styrene
Concen: 1.042 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

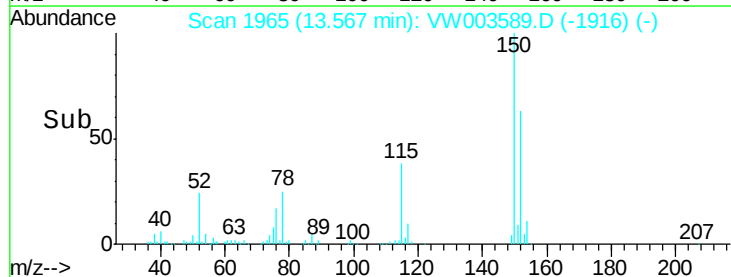
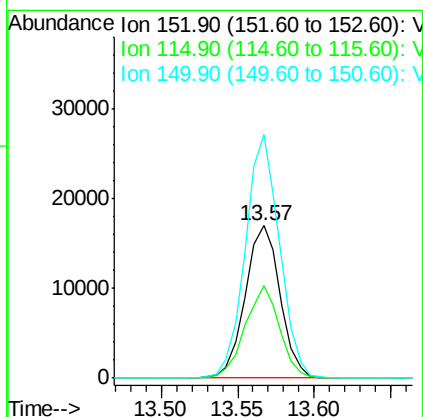
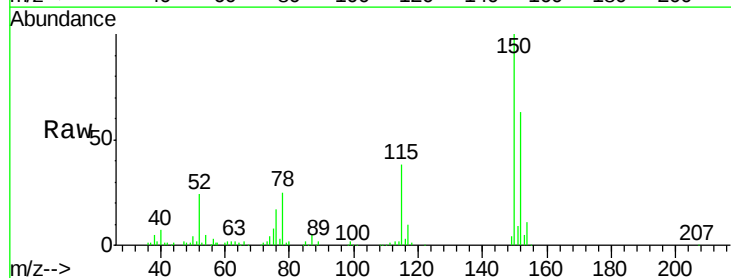
Instrument :
MSVOA_W
ClientSampleId :
BS-STONE

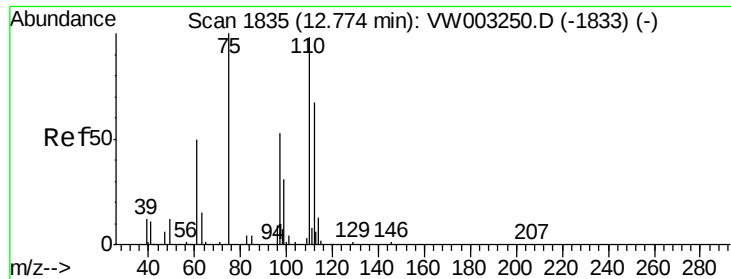
Tgt Ion:104 Resp: 2476
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 55.8 45.0 67.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003589.D
Acq: 27 Jun 2018 00:57

Tgt Ion:152 Resp: 27016
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 155.7 0.0 349.6

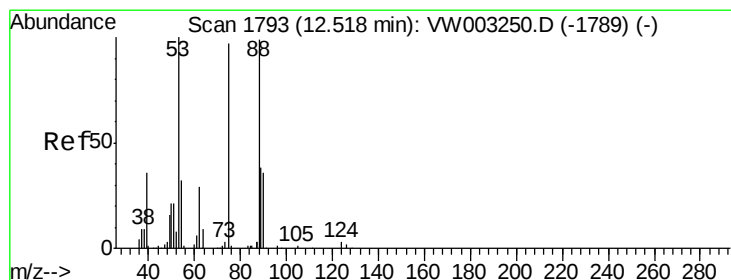
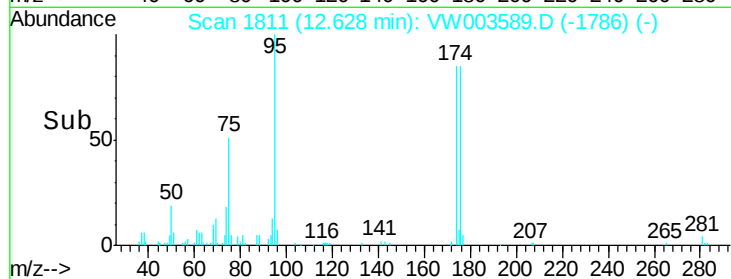
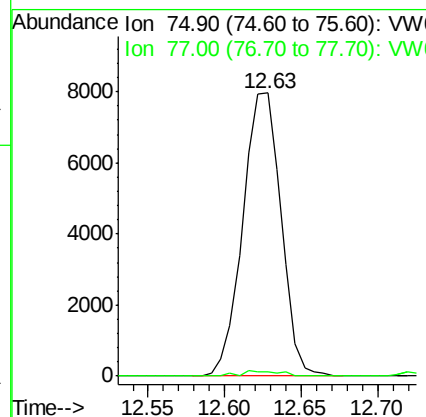
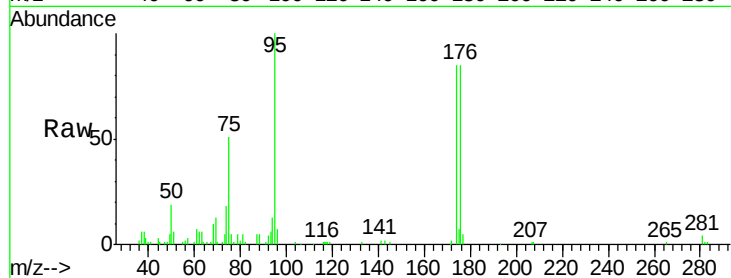




#76
 1,2,3-Trichloropropane
 Concen: 59.981 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW003589.D
 Acq: 27 Jun 2018 00:57

Instrument :
 MSVOA_W
 ClientSampleId :
 BS-STONE

Tgt Ion: 75 Resp: 13853
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.020 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.11 min
 Lab File: VW003589.D
 Acq: 27 Jun 2018 00:57

Tgt Ion: 75 Resp: 13853
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.9 124.3#
 89 0.0 36.7 55.1#

