

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005704.D
 Acq On : 27 Sep 2018 17:00
 Operator : VA/AP
 Sample : J5100-01RE
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HS-STONE-RO-227RE

Quant Time: Sep 28 01:22:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	234067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	86299	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134022	62.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.44%	
35) Dibromofluoromethane	7.88	113	102637	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
50) Toluene-d8	10.33	98	359032	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.63	95	100569	36.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.94%	

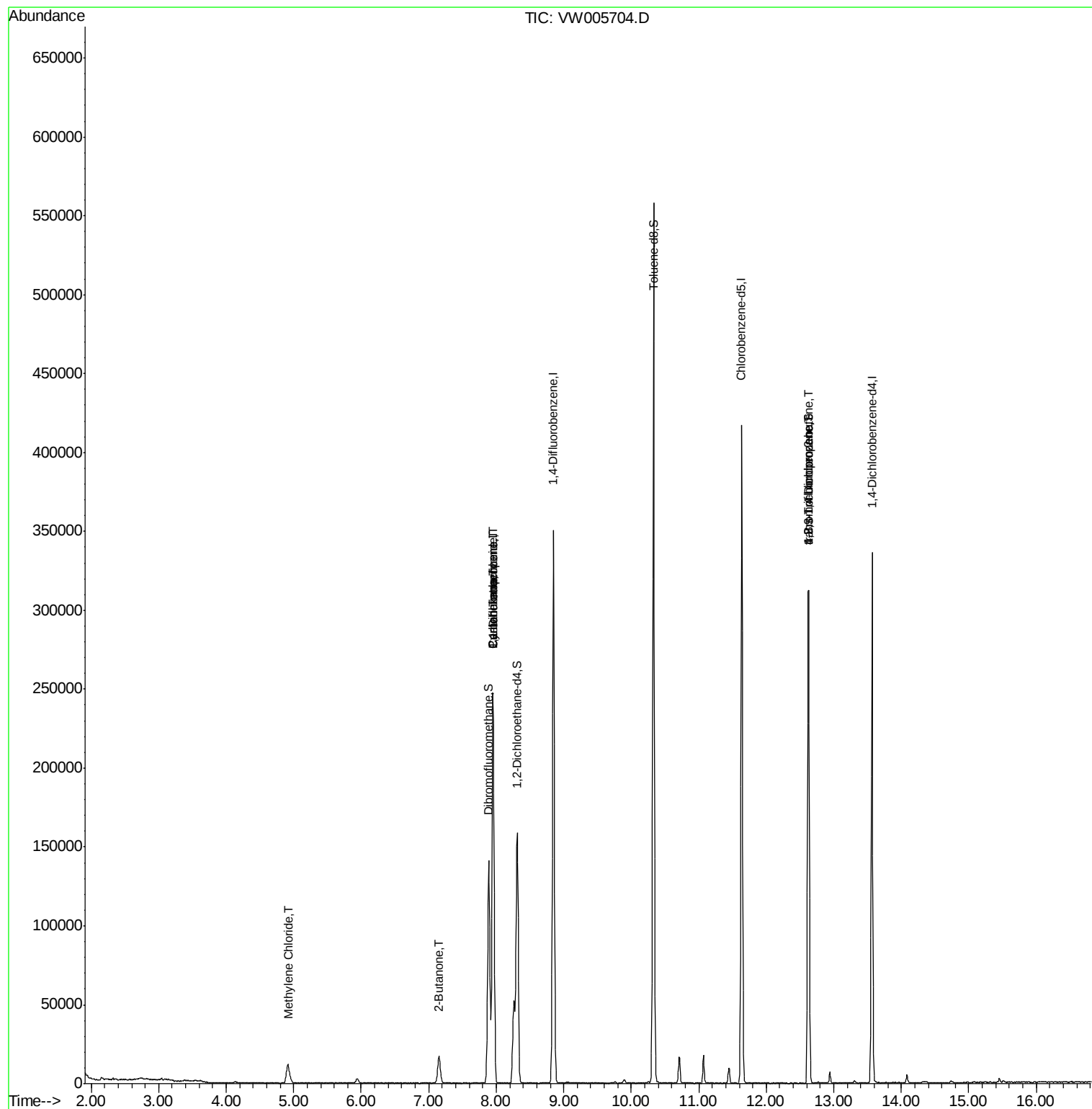
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	26	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	178	Below Cal	#	72
13) Acrolein	3.62	56	24	Below Cal	#	13
16) Acetone	4.14	43	1571	Below Cal		97
20) Methylene Chloride	4.92	84	9521	1.127	ug/l #	97
25) 2-Butanone	7.16	43	853	1.644	ug/l	92
31) Cyclohexane	7.95	56	3971	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14248	4.930	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17786	5.743	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	52646	71.565	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52646	161.186	ug/l #	7

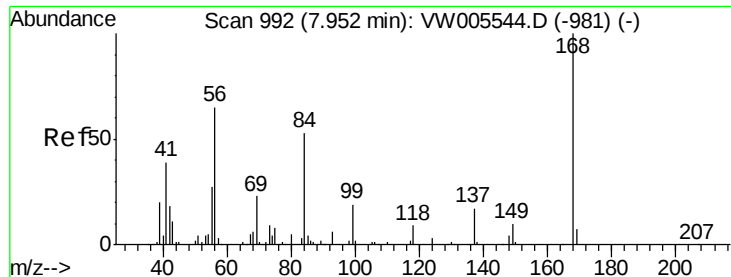
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

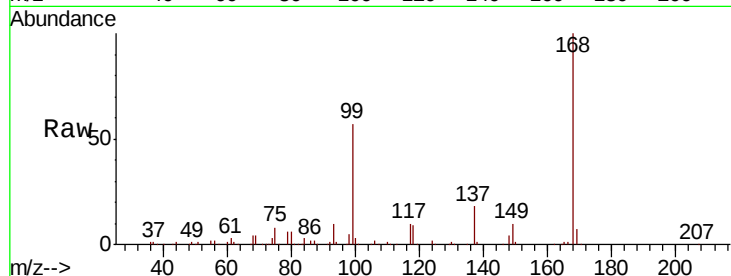
HS-STONE-RO-227RE

Tgt Ion:168 Resp: 181377

Ion Ratio Lower Upper

168 100

99 56.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

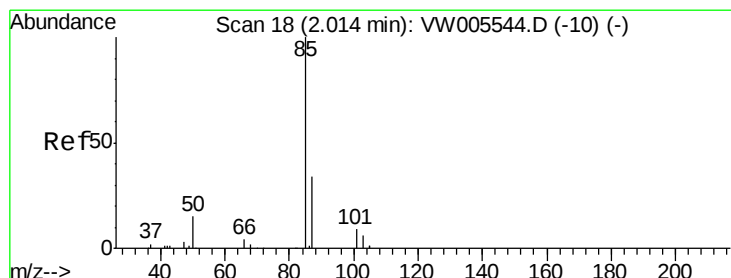
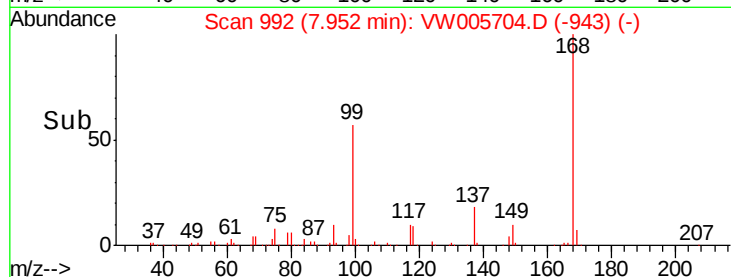
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005704.D

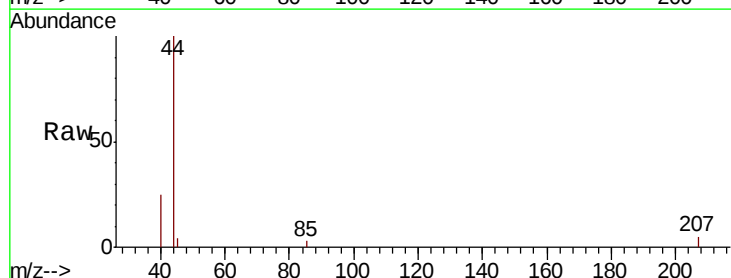
Acq: 27 Sep 2018 17:00

Tgt Ion: 85 Resp: 26

Ion Ratio Lower Upper

85 100

87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

80

60

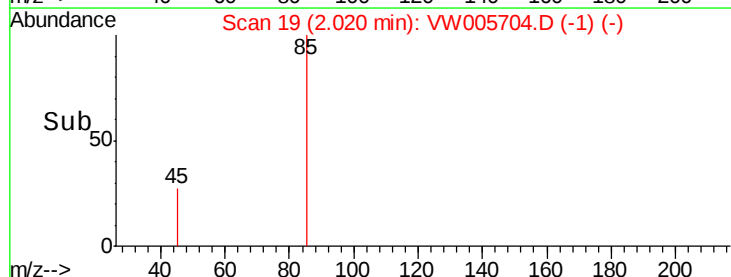
40

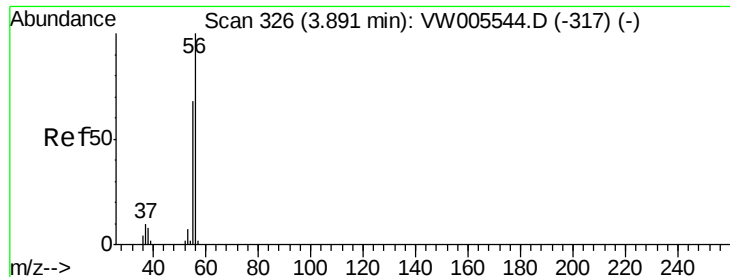
20

0

2.01 2.02 2.03

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 282

Delta R.T. -0.27 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

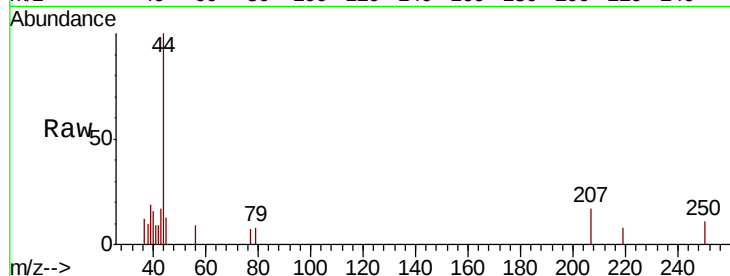
HS-STONE-RO-227RE

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

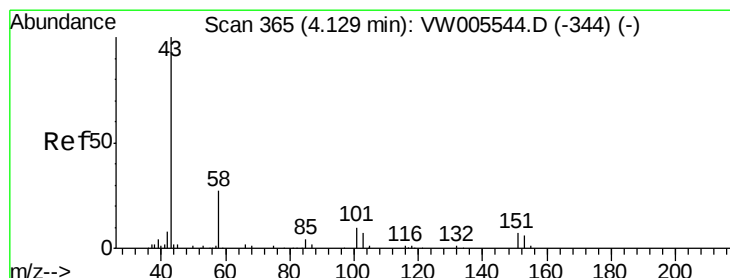
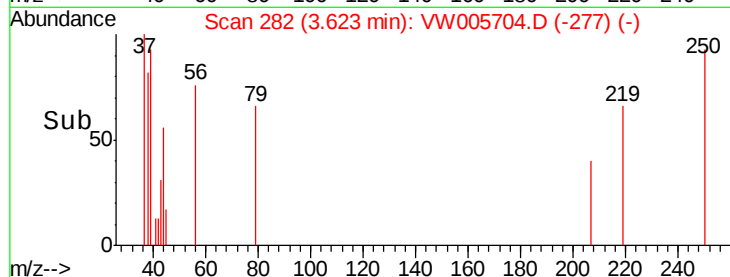
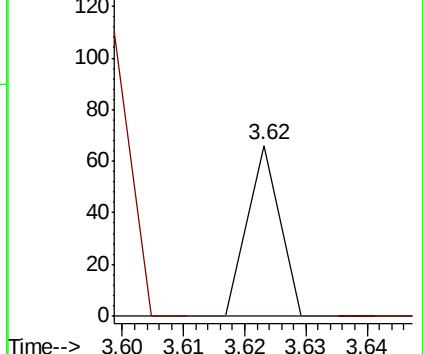
56 100

55 0.0 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005704.D

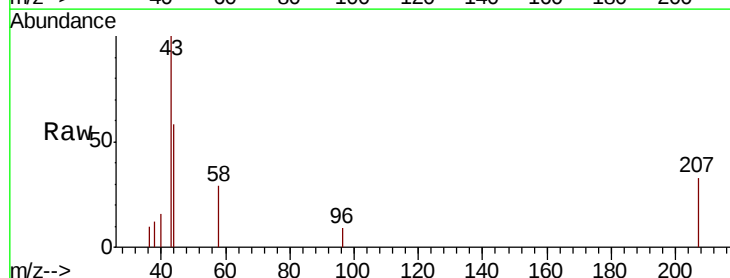
Acq: 27 Sep 2018 17:00

Tgt Ion: 43 Resp: 1571

Ion Ratio Lower Upper

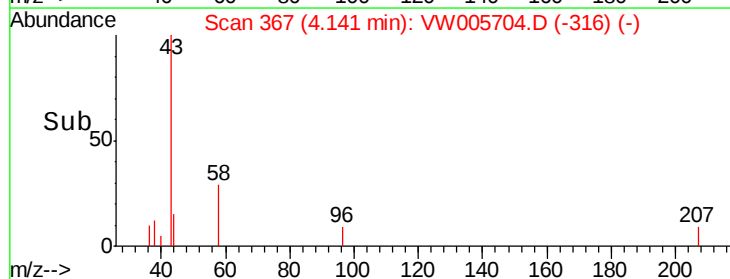
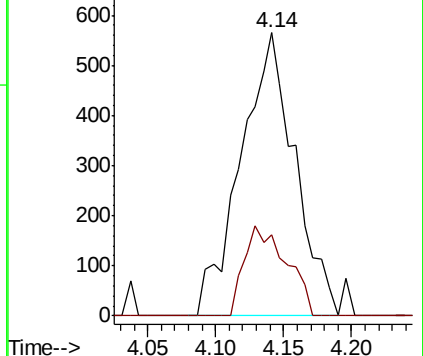
43 100

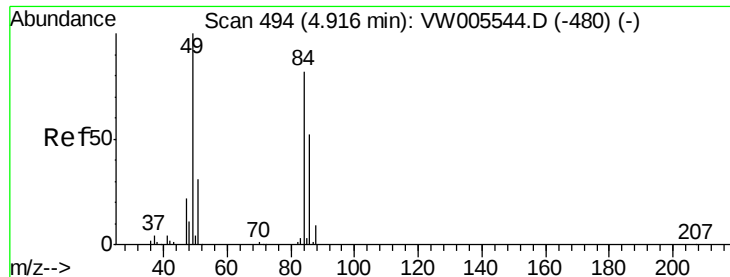
58 28.8 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

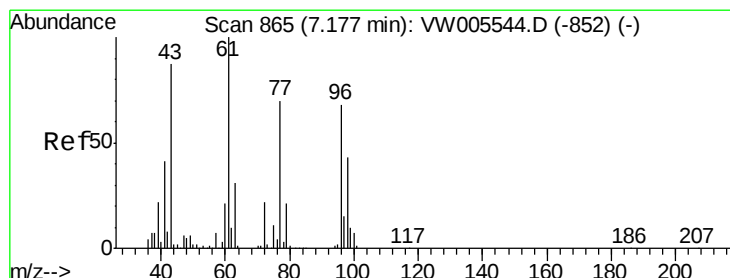
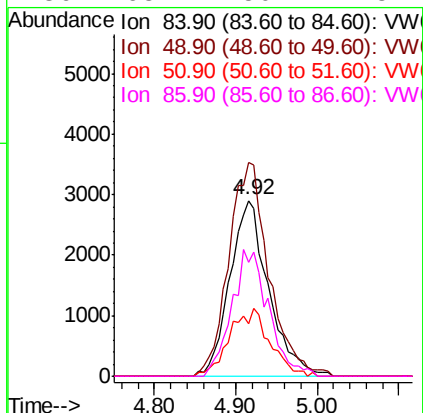
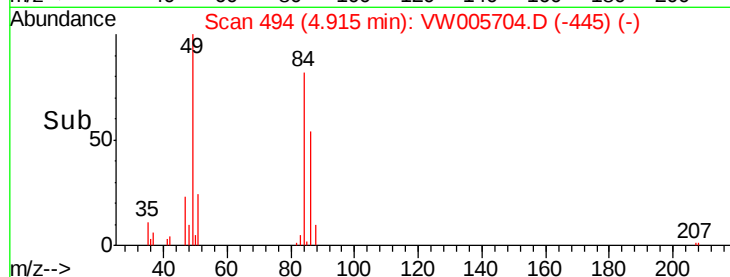
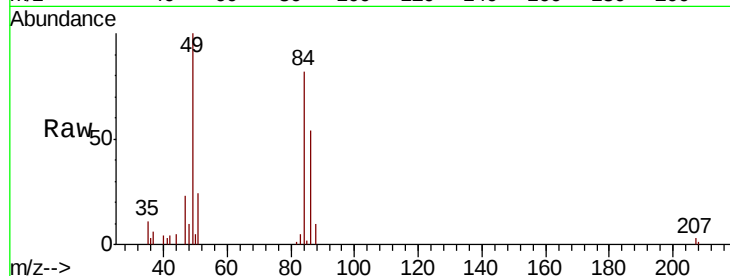




#20
Methylene Chloride
Concen: 1.127 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005704.D
Acq: 27 Sep 2018 17:00

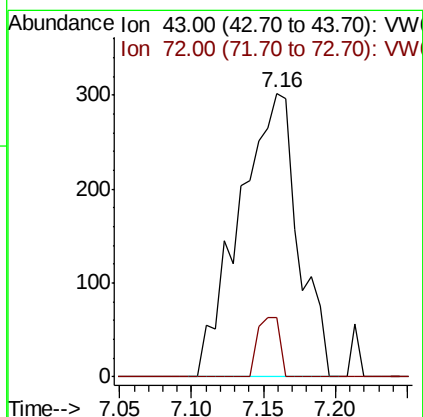
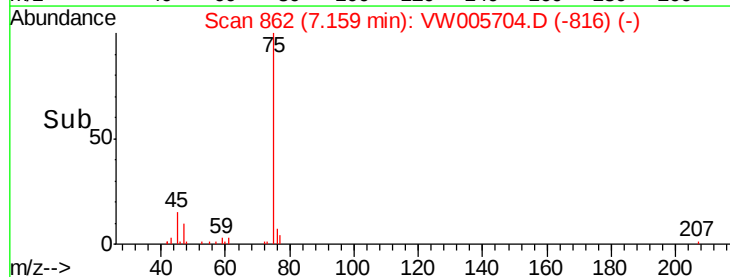
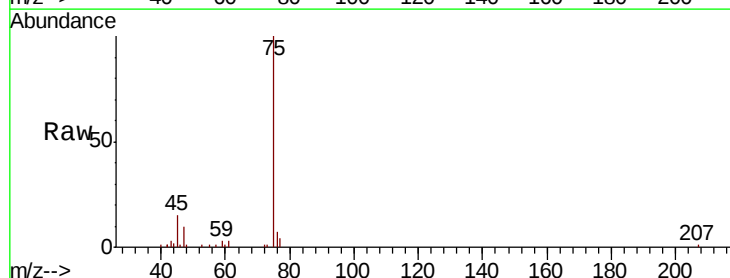
Instrument :
MSVOA_W
ClientSampleId :
HS-STONE-RO-227RE

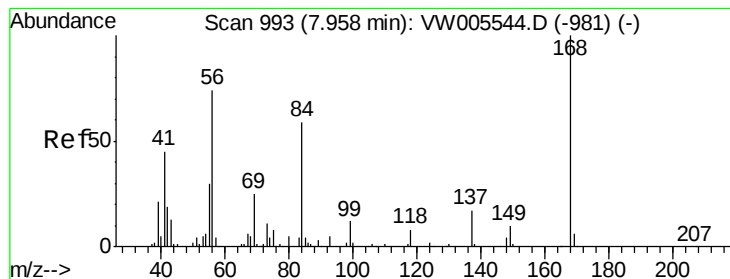
Tgt Ion: 84 Resp: 9521
Ion Ratio Lower Upper
84 100
49 121.8 97.0 145.6
51 29.8 30.2 45.2#
86 65.2 50.2 75.4



#25
2-Butanone
Concen: 1.644 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: VW005704.D
Acq: 27 Sep 2018 17:00

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
72 20.9 19.9 29.9





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

HS-STONE-RO-227RE

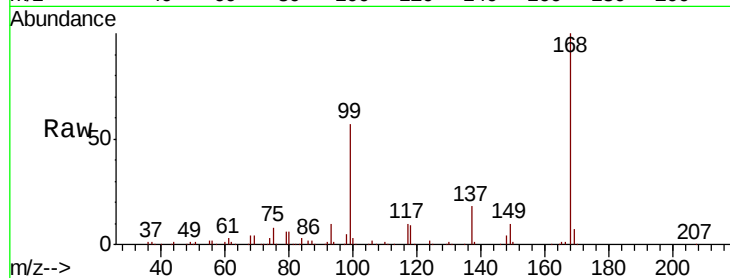
Tgt Ion: 56 Resp: 3971

Ion Ratio Lower Upper

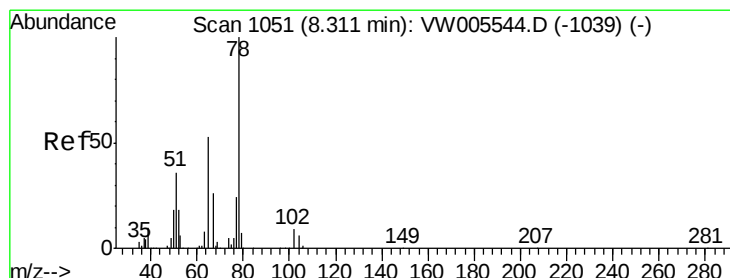
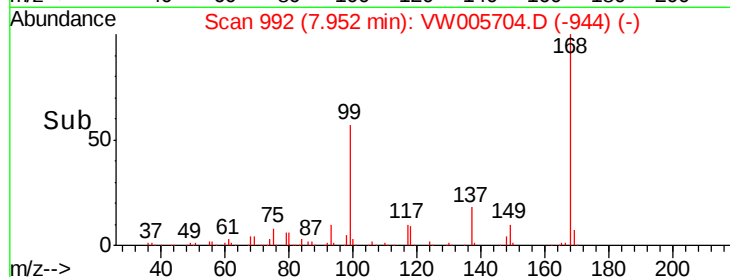
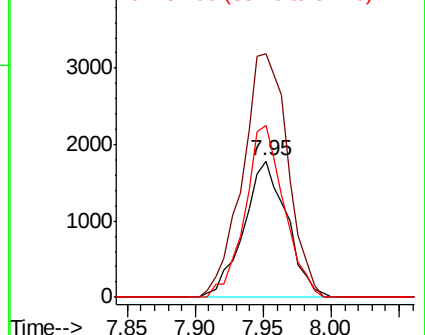
56 100

69 178.6 27.0 40.4#

84 126.5 64.2 96.4#



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: 62.722 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005704.D

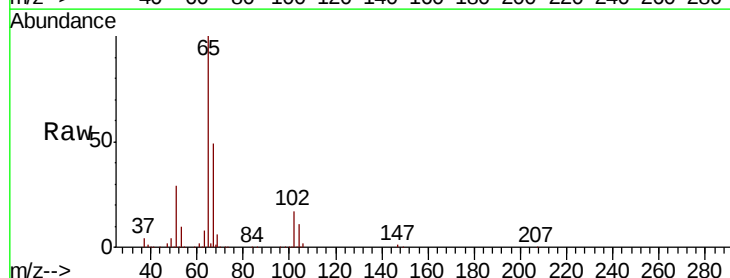
Acq: 27 Sep 2018 17:00

Tgt Ion: 65 Resp: 134022

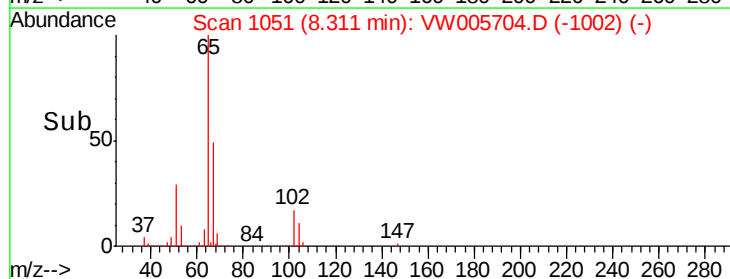
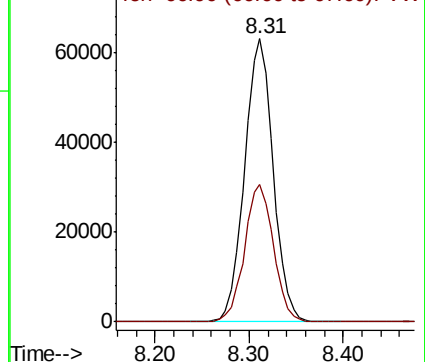
Ion Ratio Lower Upper

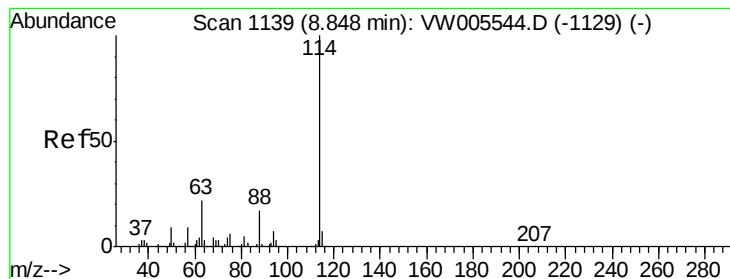
65 100

67 49.1 0.0 100.6



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# 1139

Delta R.T. -0.00 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

HS-STONE-RO-227RE

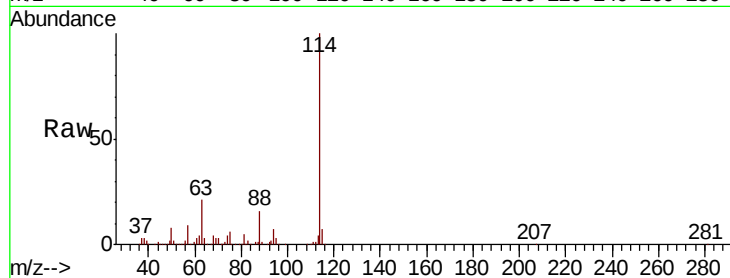
Tgt Ion:114 Resp: 287122

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

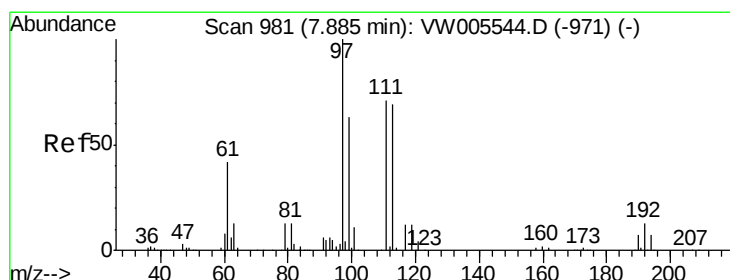
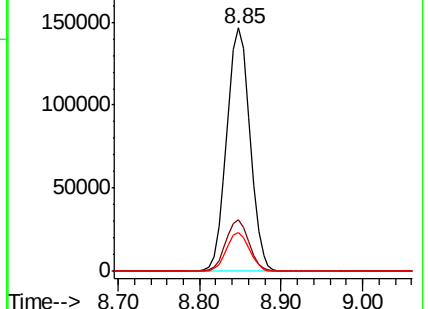
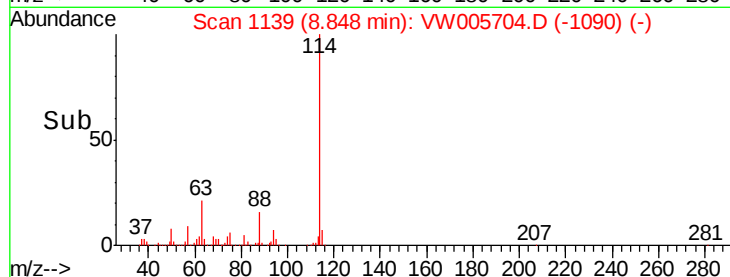
88 16.1 0.0 33.0



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: 56.844 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

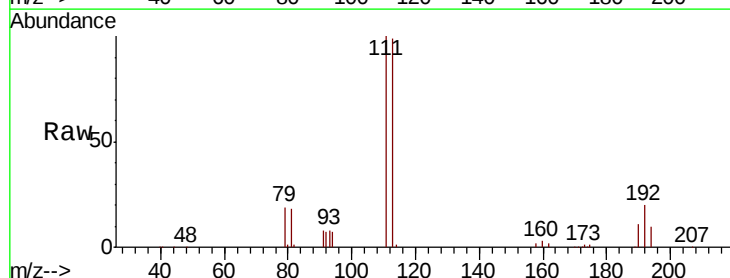
Tgt Ion:113 Resp: 102637

Ion Ratio Lower Upper

113 100

111 101.7 82.6 123.8

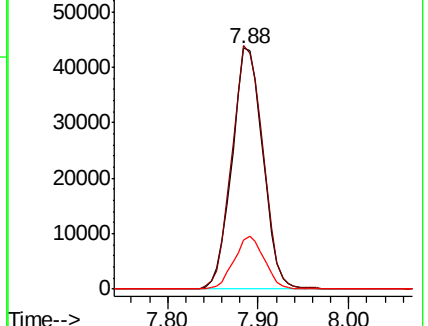
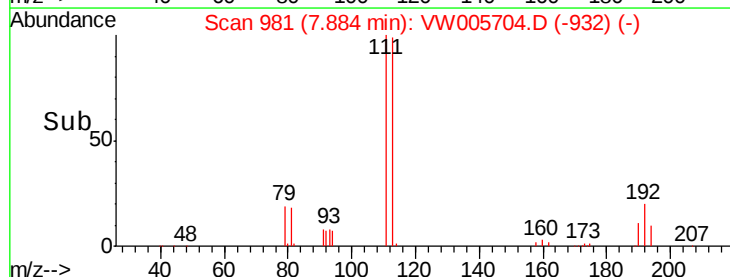
192 21.4 17.0 25.4

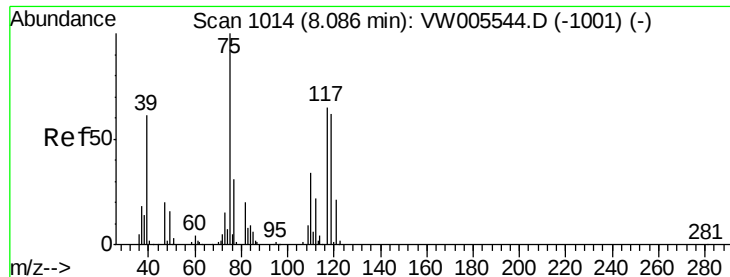


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

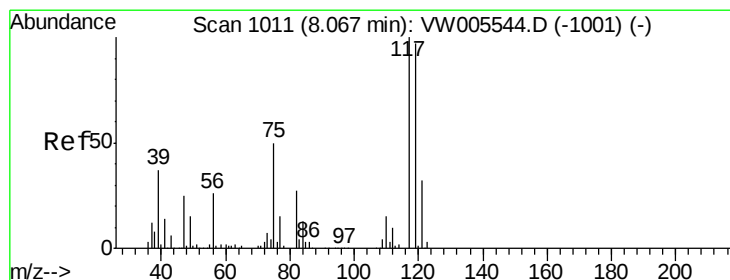
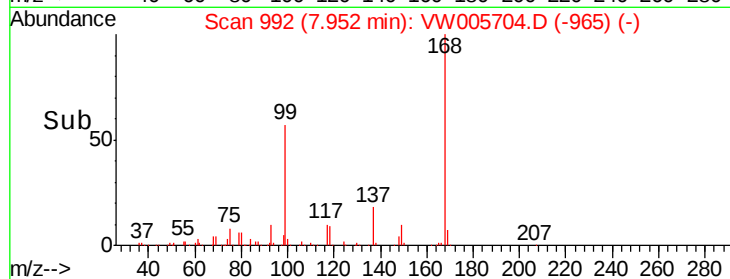
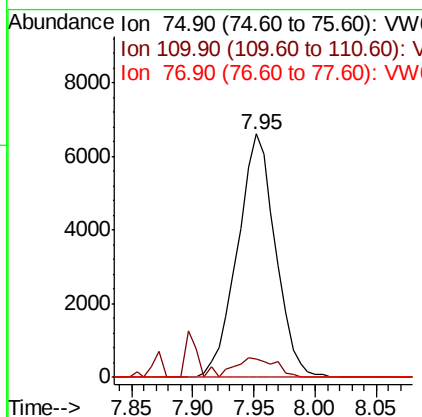
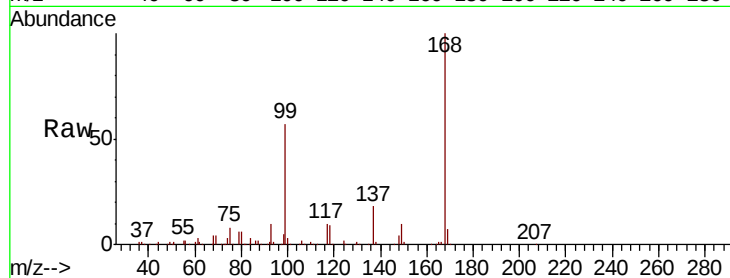




#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005704.D
 Acq: 27 Sep 2018 17:00

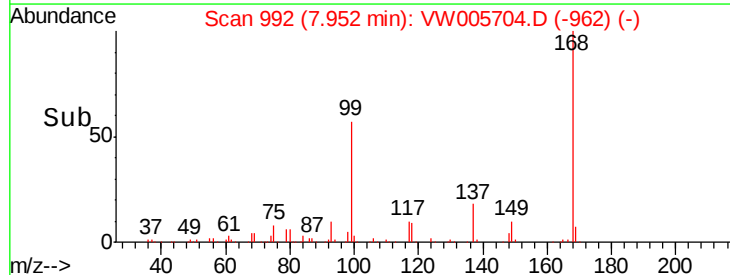
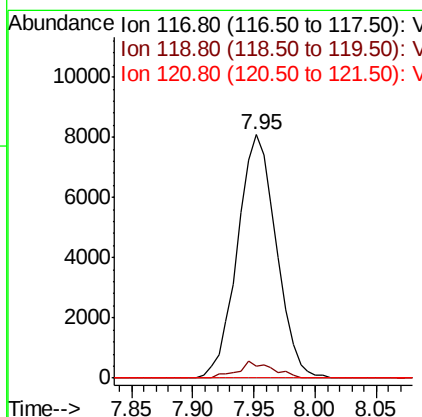
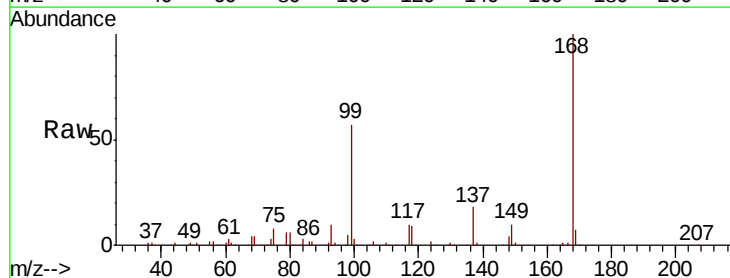
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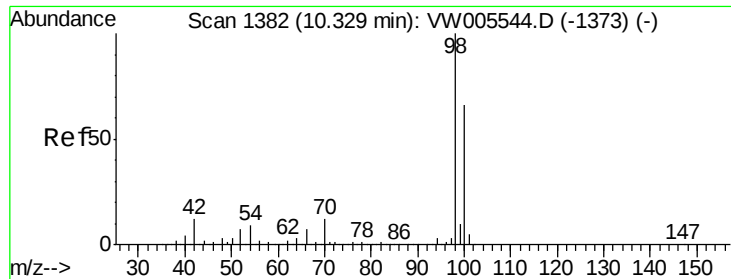
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.743 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005704.D
 Acq: 27 Sep 2018 17:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 48.834 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

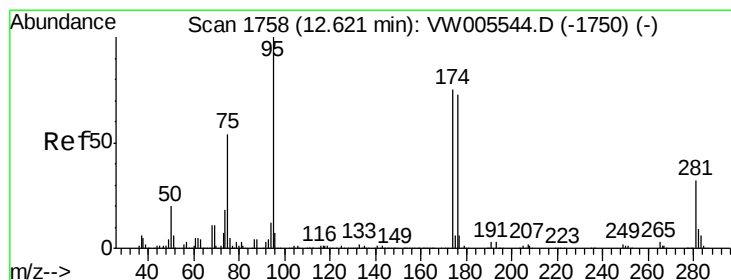
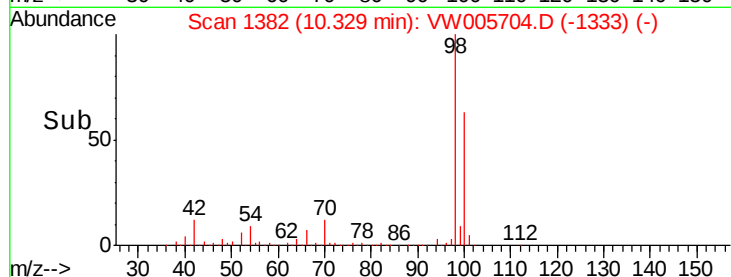
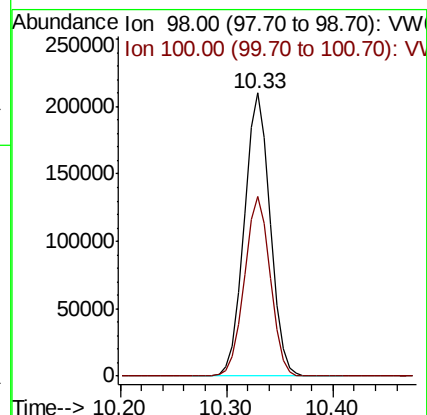
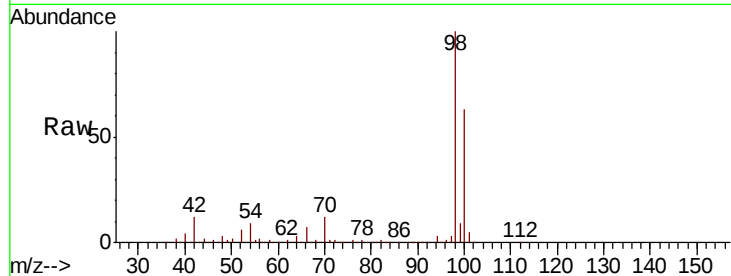
HS-STONE-RO-227RE

Tgt Ion: 98 Resp: 359032

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 36.968 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

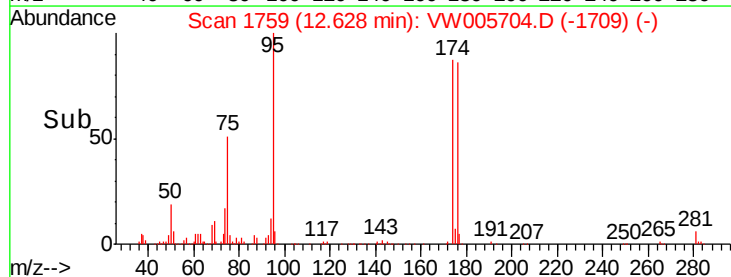
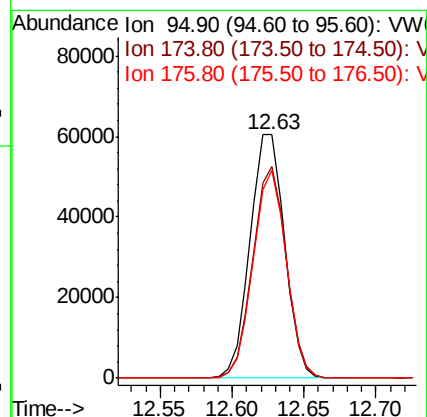
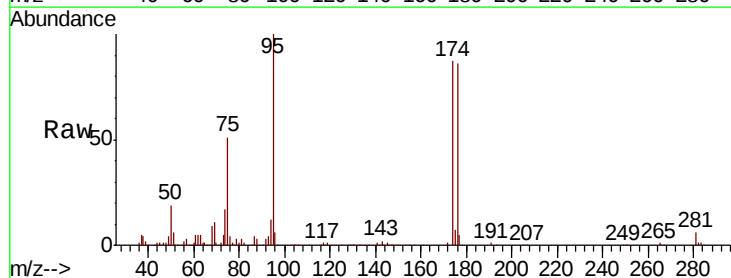
Tgt Ion: 95 Resp: 100569

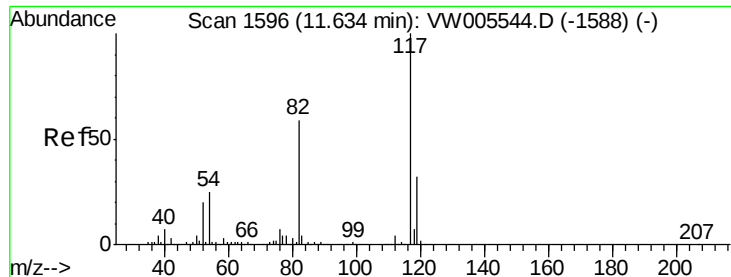
Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.8

176 81.7 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

HS-STONE-RO-227RE

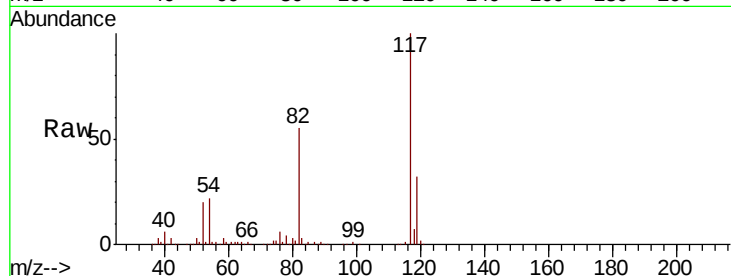
Tgt Ion:117 Resp: 234067

Ion Ratio Lower Upper

117 100

82 55.1 46.9 70.3

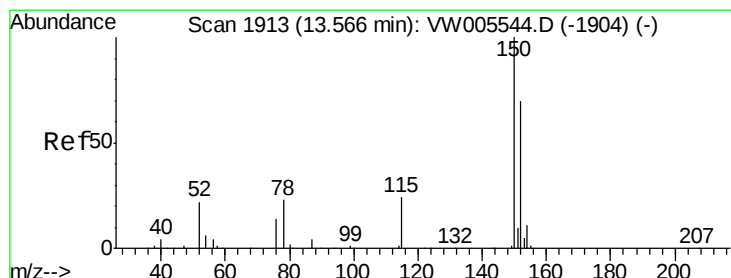
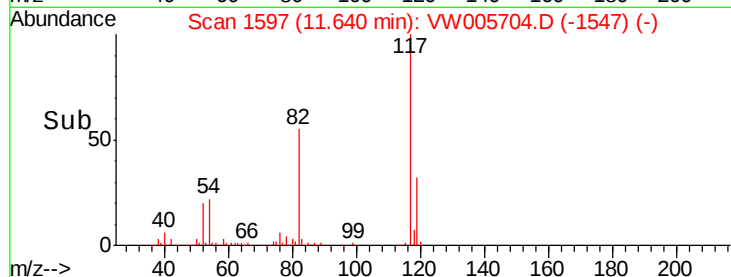
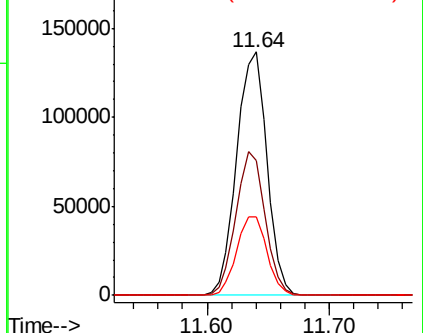
119 32.2 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

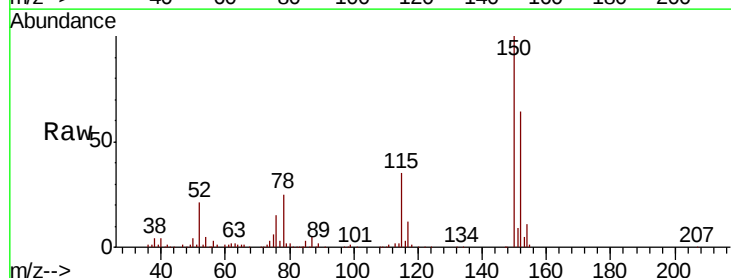
Tgt Ion:152 Resp: 86299

Ion Ratio Lower Upper

152 100

115 58.4 30.0 90.0

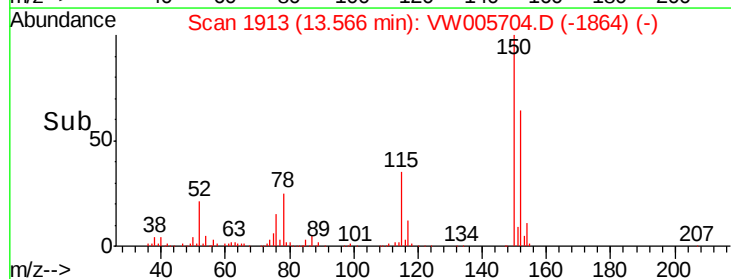
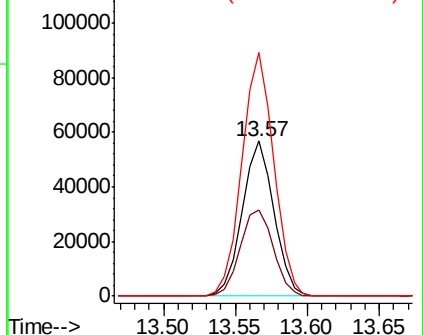
150 158.2 0.0 348.6

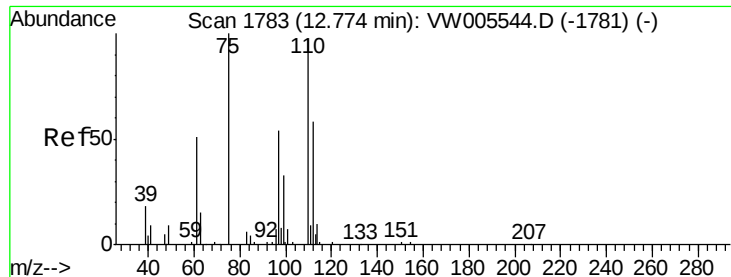


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 71.565 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

Instrument :

MSVOA_W

ClientSampleId :

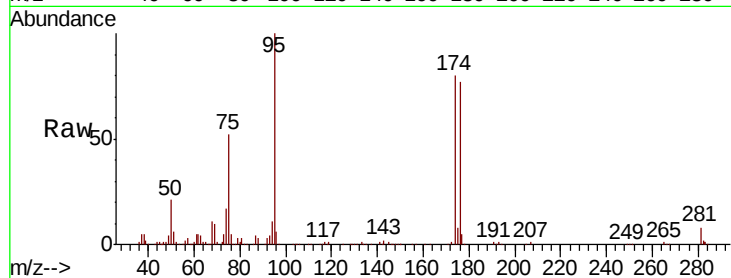
HS-STONE-RO-227RE

Tgt Ion: 75 Resp: 52646

Ion Ratio Lower Upper

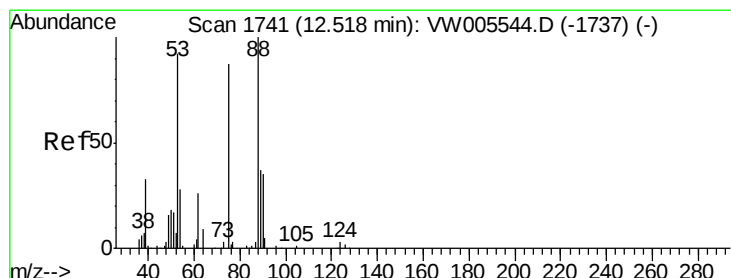
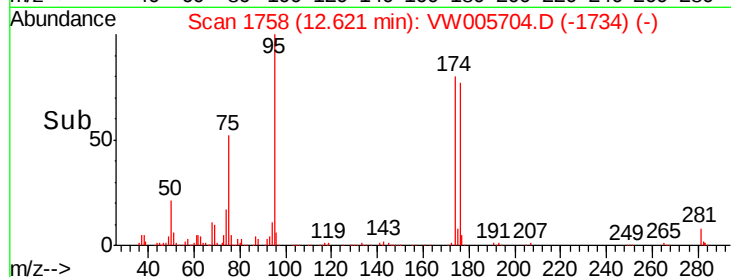
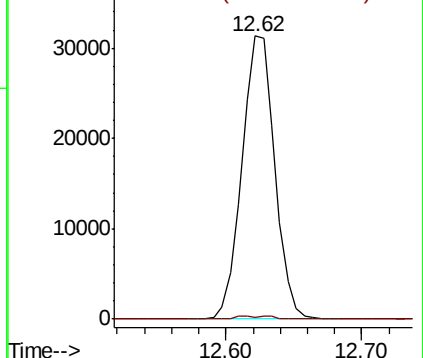
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 161.186 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005704.D

Acq: 27 Sep 2018 17:00

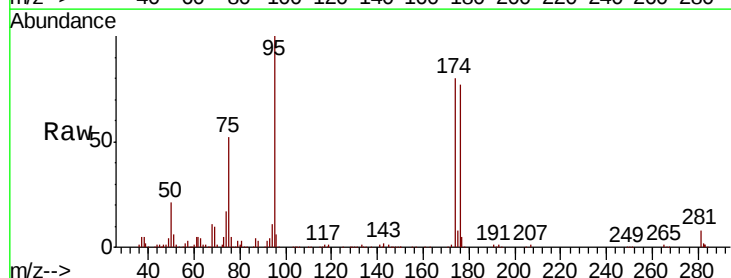
Tgt Ion: 75 Resp: 52646

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.1 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

