

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010815.D
 Acq On : 14 Jun 2019 15:35
 Operator : SY/VA
 Sample : K3389-01
 Misc : 6.44G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GS-SOIL-PILE

Quant Time: Jun 15 06:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	79457	31.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.42%	
35) Dibromofluoromethane	7.88	113	61518	31.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.32%	
50) Toluene-d8	10.32	98	236451	27.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.50%	
62) 4-Bromofluorobenzene	12.62	95	89299	28.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.60%	

Target Compounds

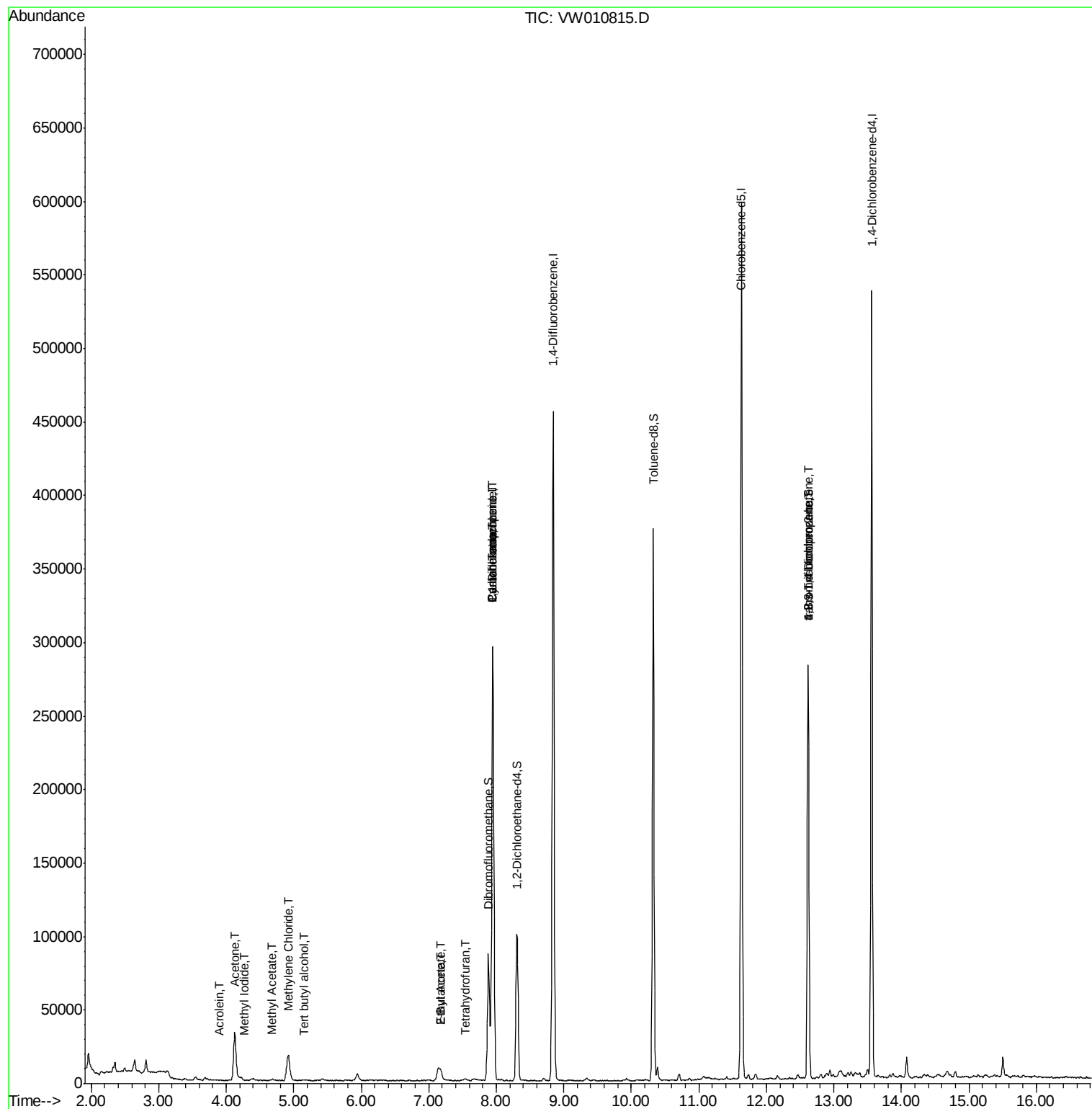
						Qvalue
10) Methyl Iodide	4.27	142	46	4.817	ug/l #	41
11) Tert butyl alcohol	5.15	59	259	1.249	ug/l #	94
13) Acrolein	3.90	56	168	1.982	ug/l #	79
16) Acetone	4.13	43	59494	87.213	ug/l	99
18) Methyl Acetate	4.68	43	2332	1.588	ug/l #	83
20) Methylene Chloride	4.92	84	12189	5.093	ug/l	98
25) 2-Butanone	7.18	43	9885	10.450	ug/l	97
29) Tetrahydrofuran	7.55	42	881	1.481	ug/l #	61
31) Cyclohexane	7.95	56	6276	1.222	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	18919	5.162	ug/l #	52
37) Ethyl Acetate	7.18	43	9819	4.835	ug/l #	72
38) Carbon Tetrachloride	7.95	117	22413	7.085	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	48304	35.872	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	48304	82.446	ug/l #	6

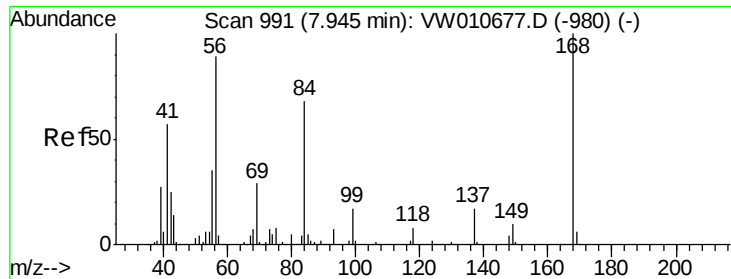
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

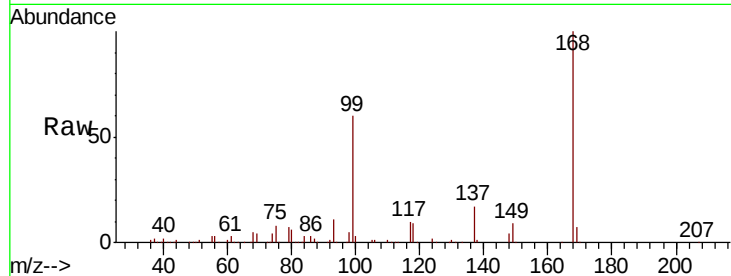
GS-SOIL-PILE

Tot Ion:168 Resp: 215998

Ion Ratio Lower Upper

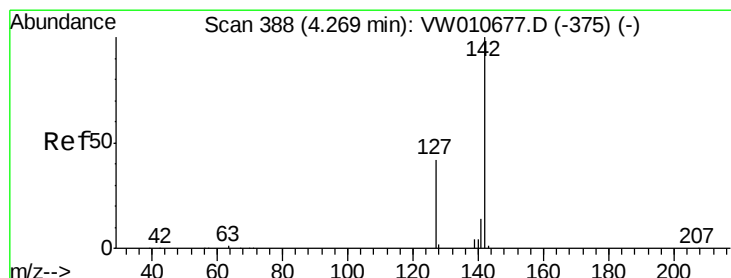
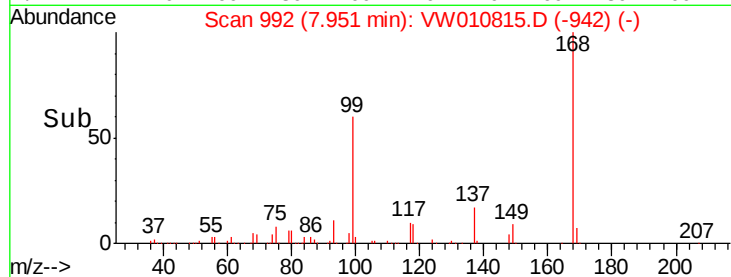
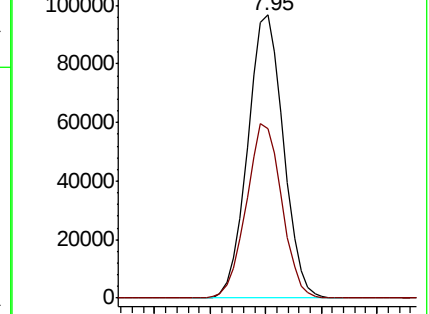
168 100

99 59.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#10

Methyl Iodide

Concen: 4.817 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

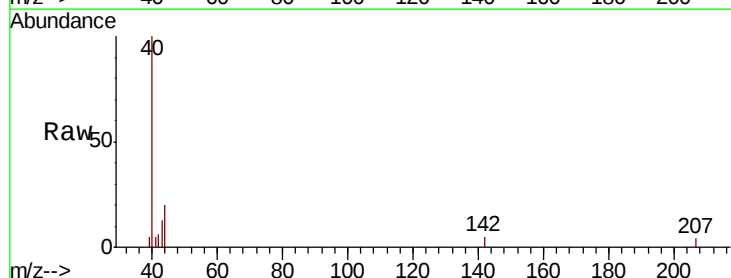
Tgt Ion:142 Resp: 46

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

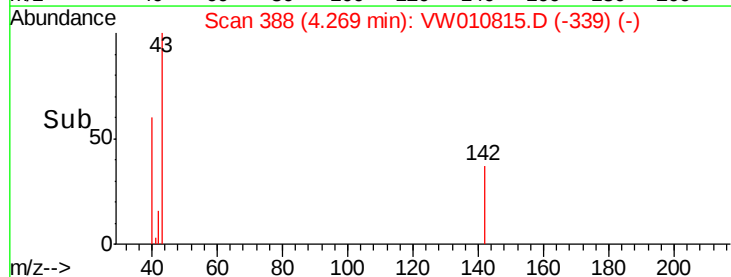
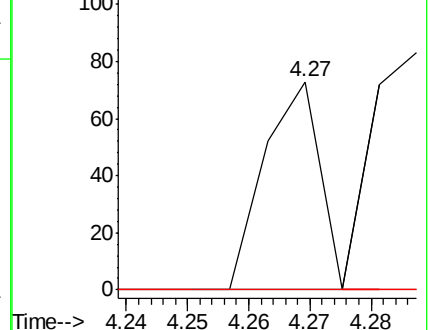
141 0.0 11.6 17.4#

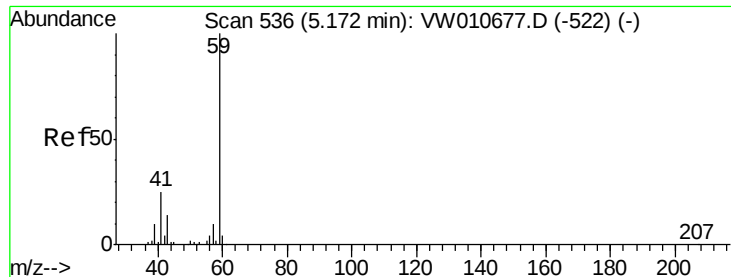


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1.249 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

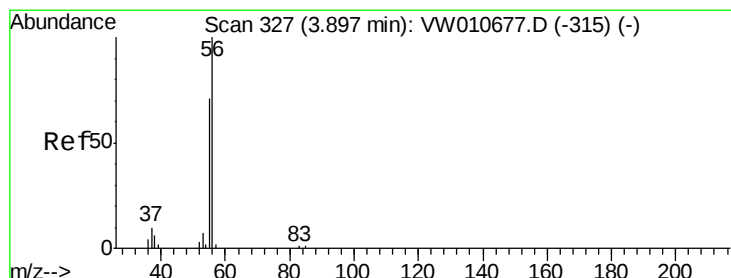
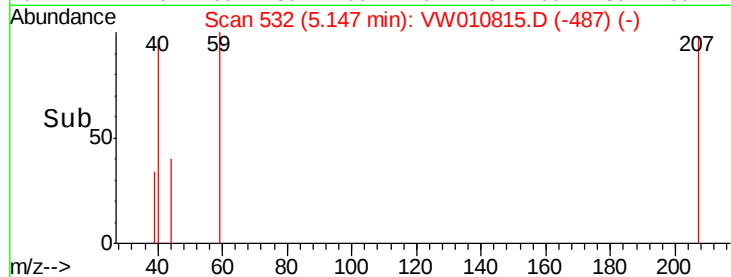
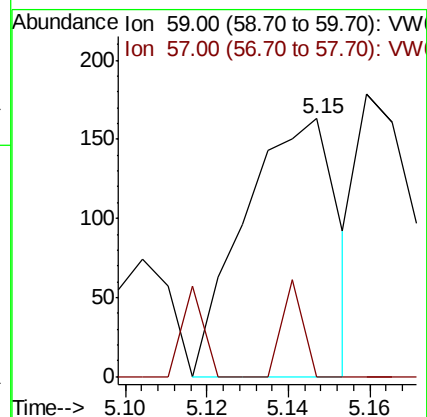
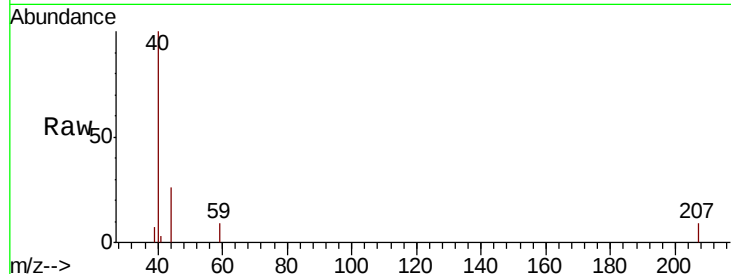
GS-SOIL-PILE

Tot Ion: 59 Resp: 259

Ion Ratio Lower Upper

59 100

57 8.5 8.6 12.8#



#13

Acrolein

Concen: 1.982 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010815.D

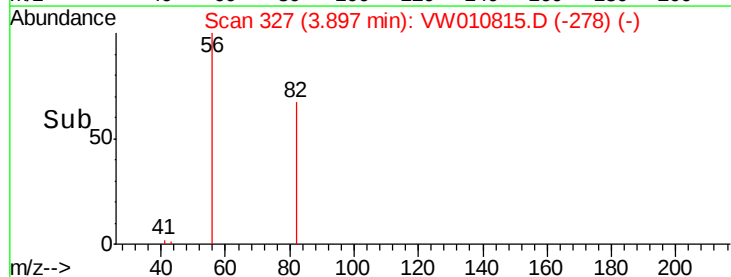
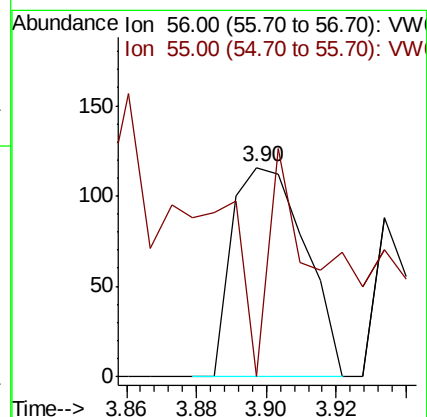
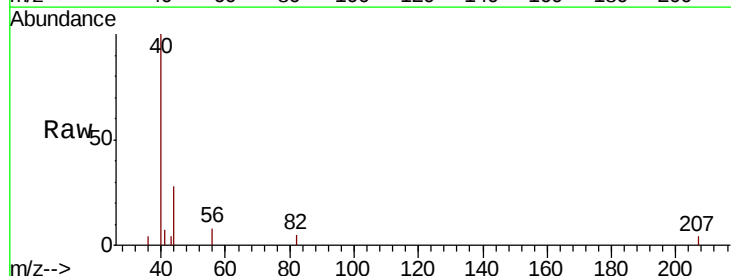
Acq: 14 Jun 2019 15:35

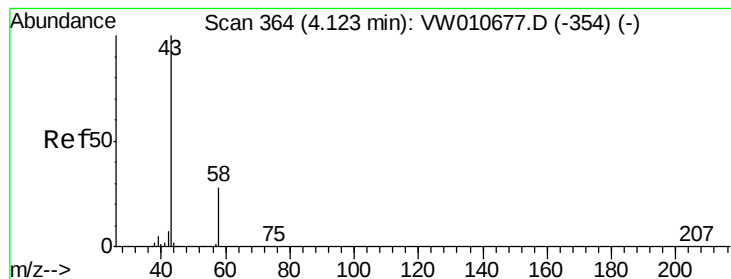
Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 54.2 57.6 86.4#





#16

Acetone

Concen: 87.213 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

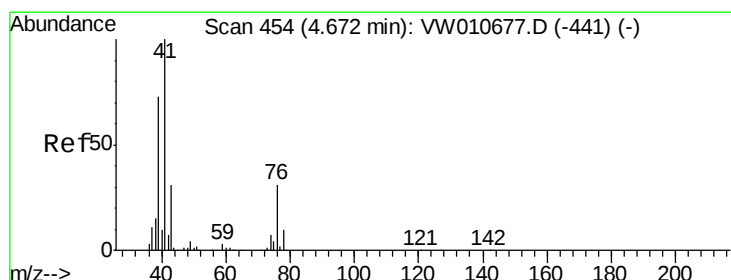
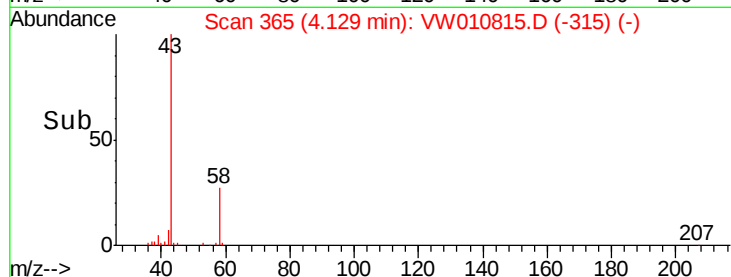
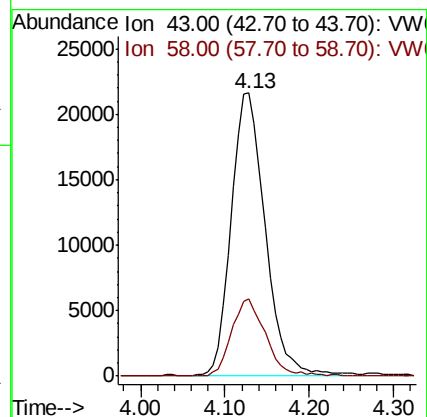
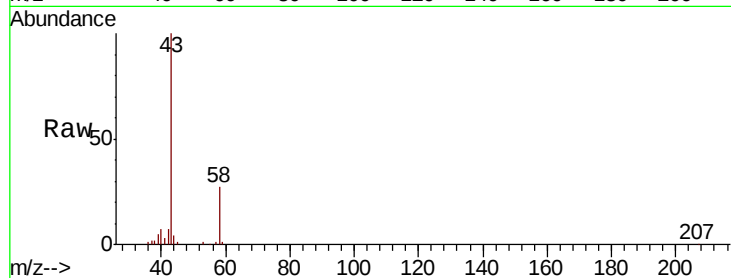
GS-SOIL-PILE

Tot Ion: 43 Resp: 59494

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#18

Methyl Acetate

Concen: 1.588 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010815.D

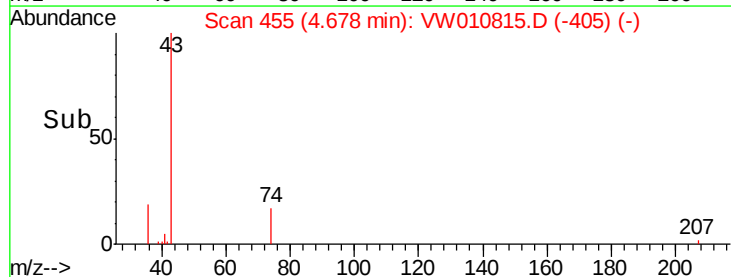
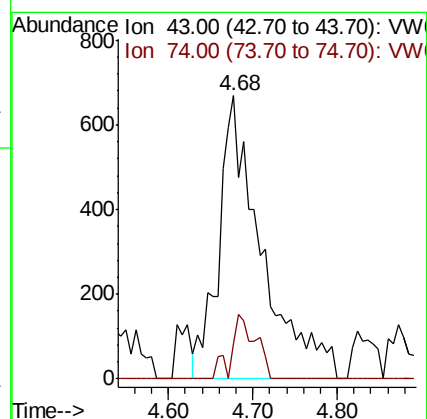
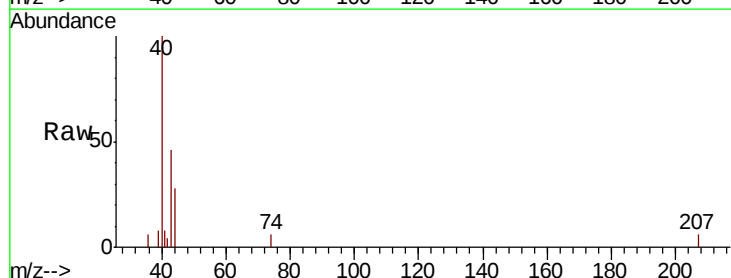
Acq: 14 Jun 2019 15:35

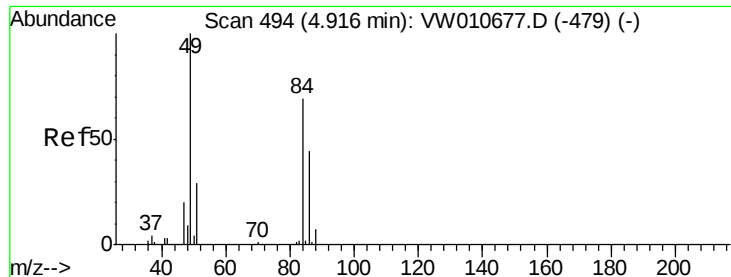
Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

74 12.7 16.7 25.1#

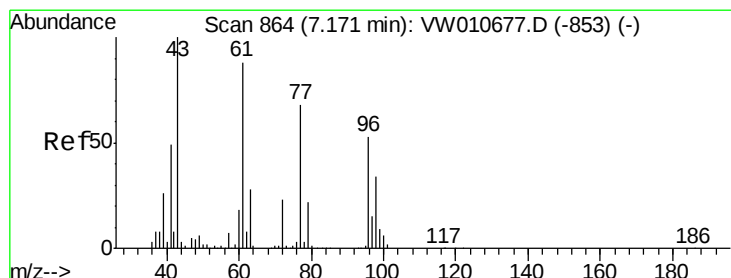
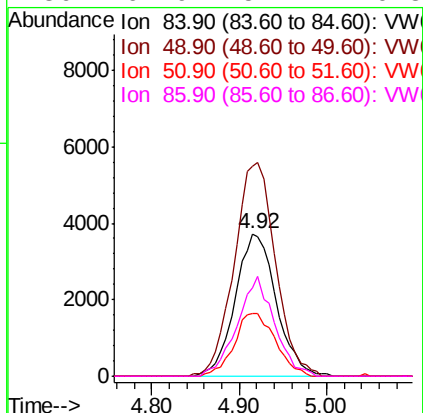
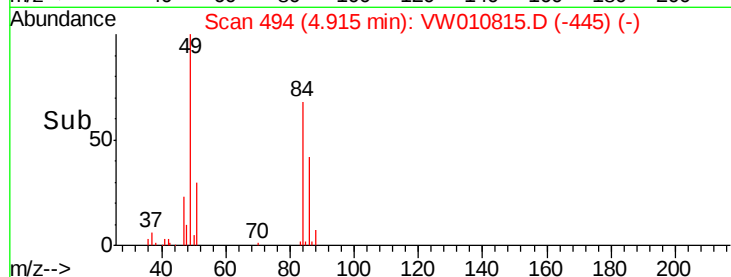
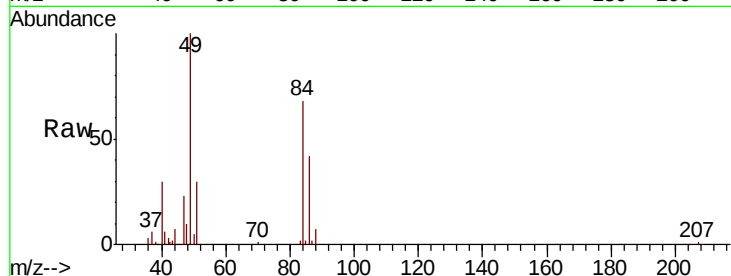




#20
Methvlene Chloride
Concen: 5.093 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

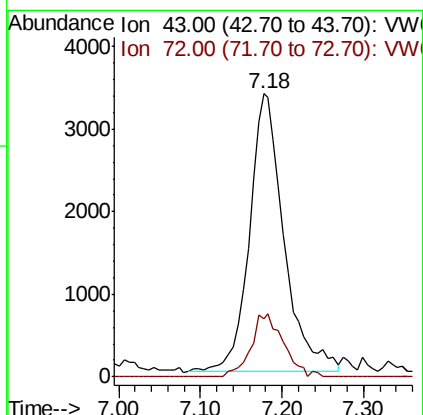
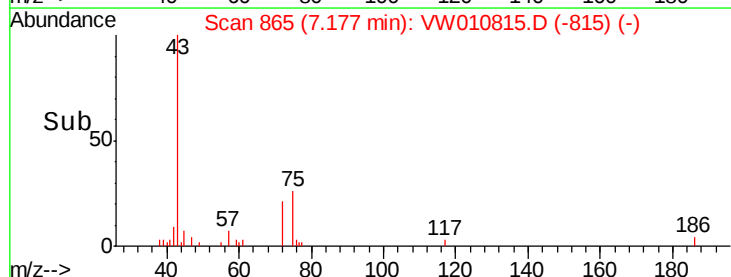
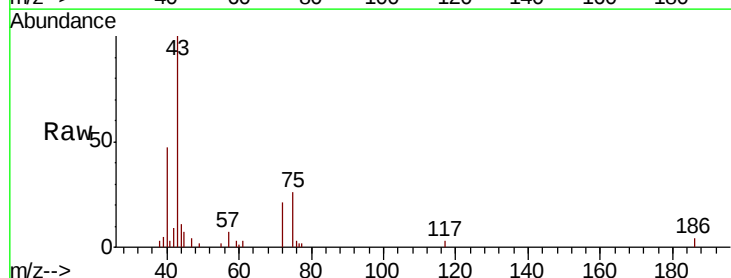
Instrument :
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ClientSampleId :
GS-SOIL-PILE

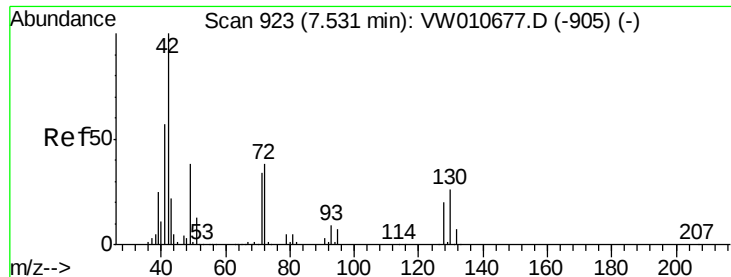
Tot Ion: 84 Resp: 12189
Ion Ratio Lower Upper
84 100
49 147.1 116.7 175.1
51 43.9 34.2 51.2
86 61.9 51.2 76.8



#25
2-Butanone
Concen: 10.450 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Tgt Ion: 43 Resp: 9885
Ion Ratio Lower Upper
43 100
72 21.2 18.1 27.1

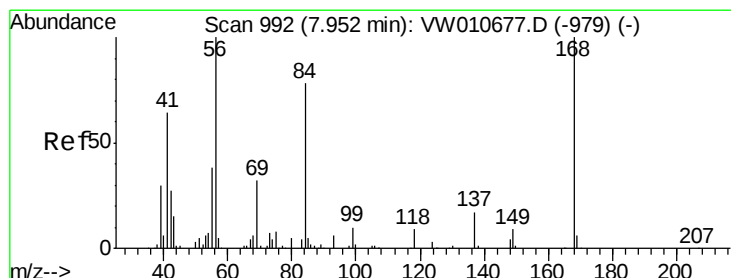
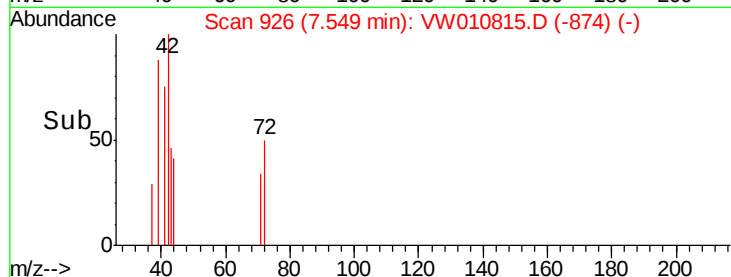
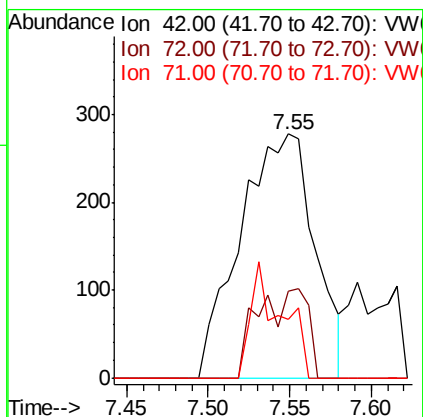
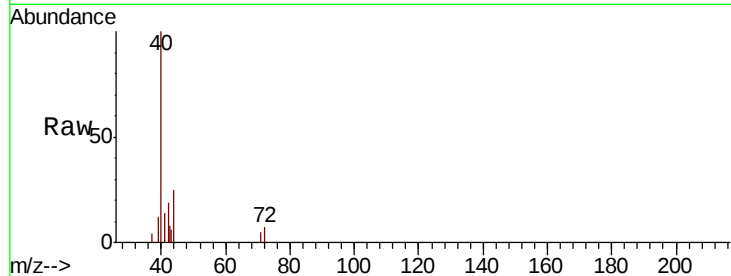




#29
Tetrahydrofuran
Concen: 1.481 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

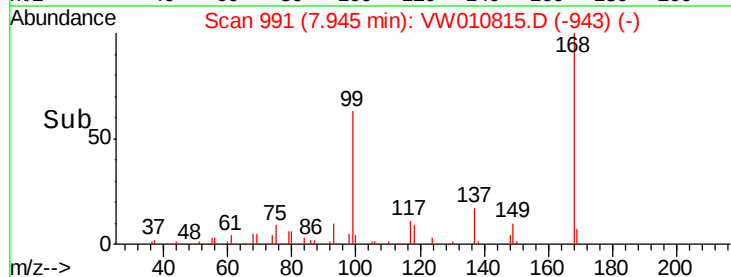
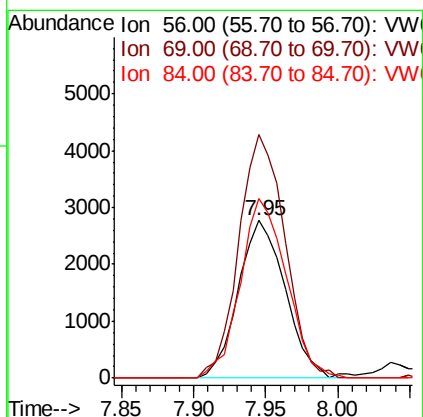
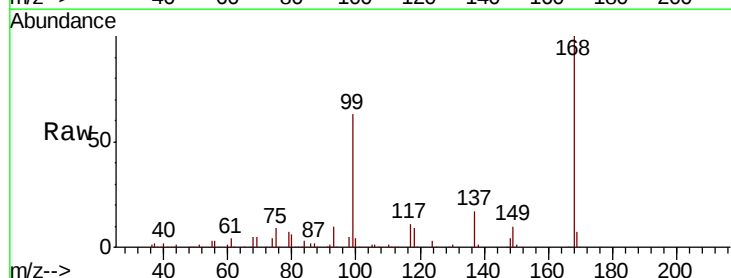
Instrument :
MSVOA_W
ClientSampleId :
GS-SOIL-PILE

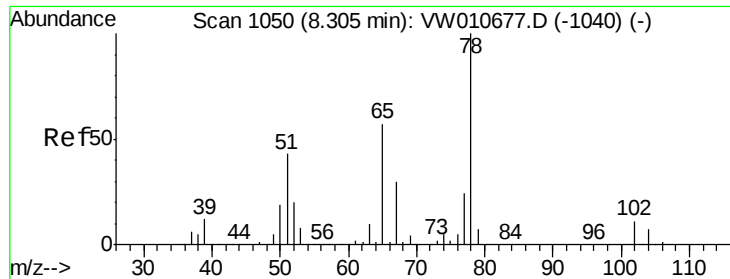
Tot Ion: 42 Resp: 881
Ion Ratio Lower Upper
42 100
72 24.2 28.7 43.1#
71 0.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Tgt Ion: 56 Resp: 6276
Ion Ratio Lower Upper
56 100
69 154.5 25.2 37.8#
84 114.0 62.2 93.2#

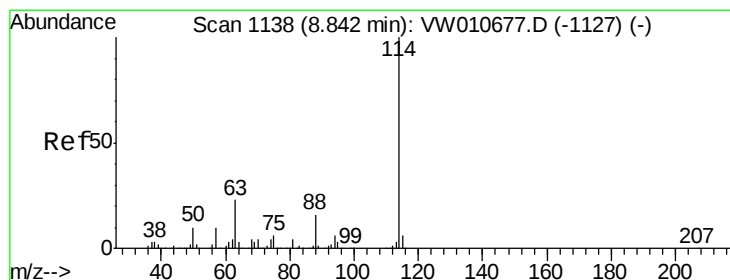
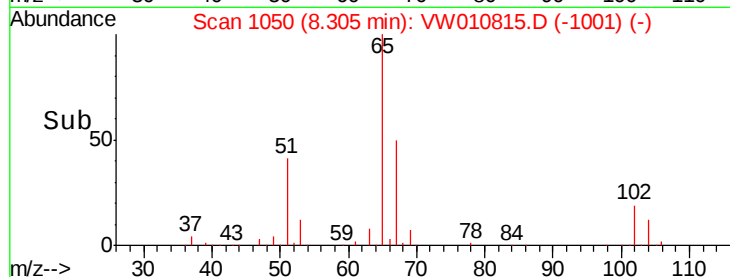
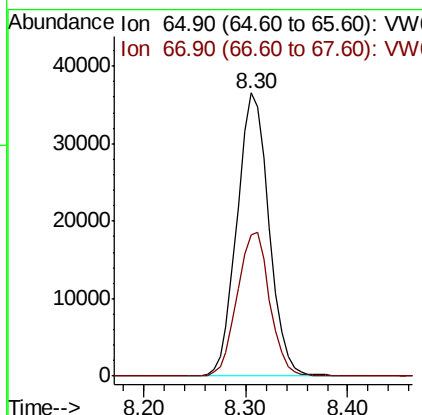
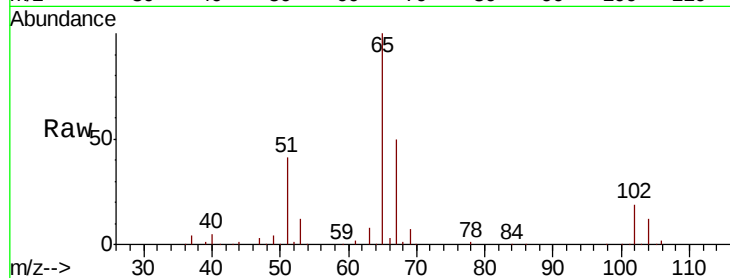




#33
 1,2-Dichloroethane-d4
 Concen: 31.210 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010815.D
 Acq: 14 Jun 2019 15:35

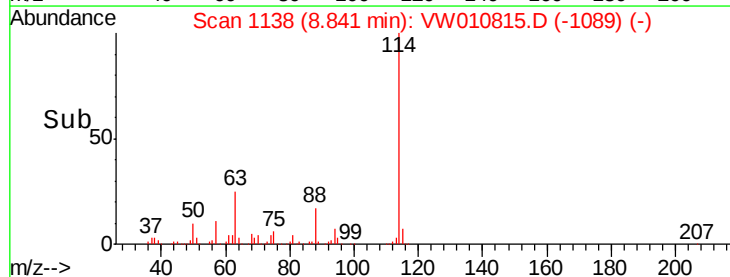
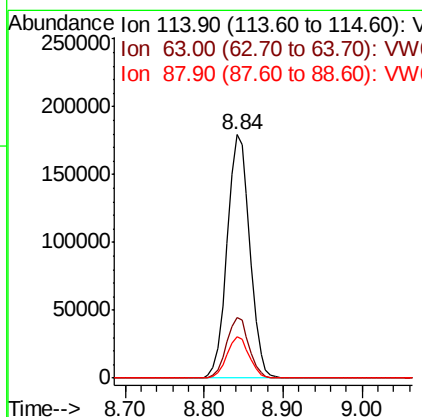
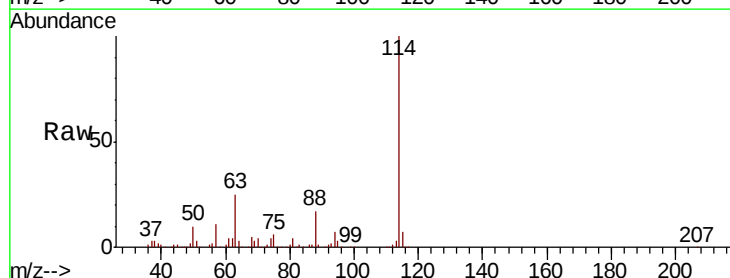
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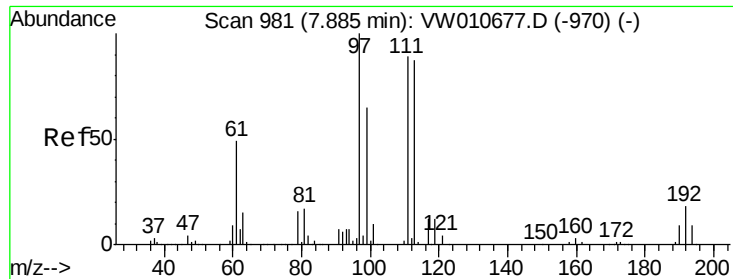
Tot Ion: 65 Resp: 79457
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010815.D
 Acq: 14 Jun 2019 15:35

Tgt Ion: 114 Resp: 358022
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.4
 88 16.8 0.0 32.2

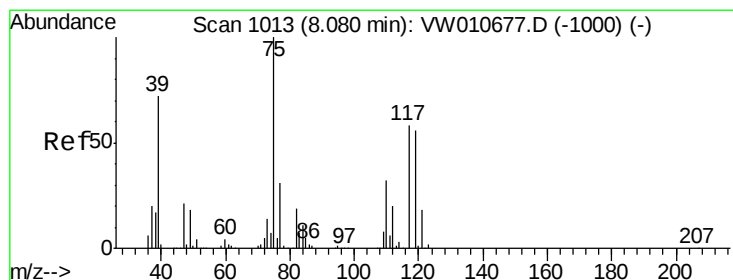
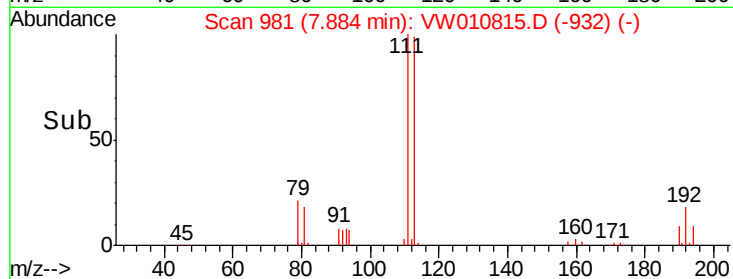
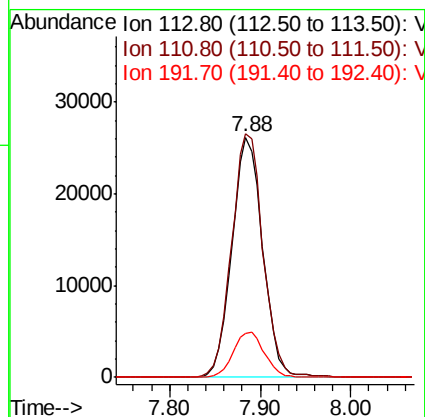
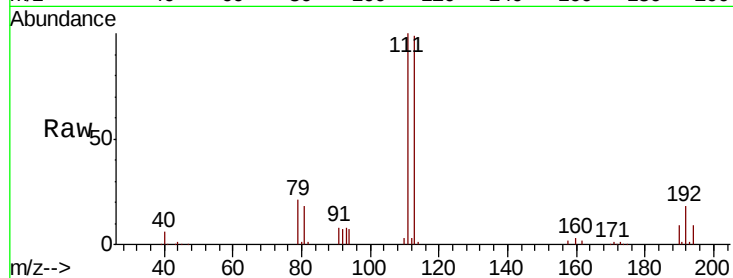




#35
 Dibromofluoromethane
 Concen: 31.657 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010815.D
 Acq: 14 Jun 2019 15:35

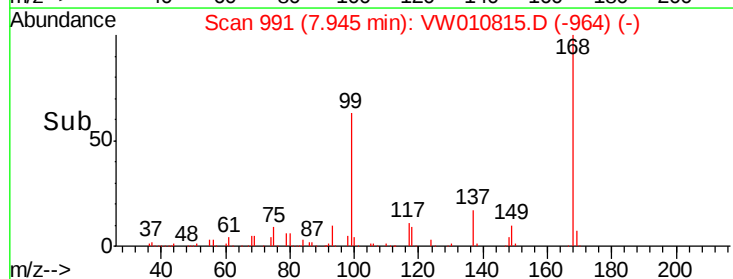
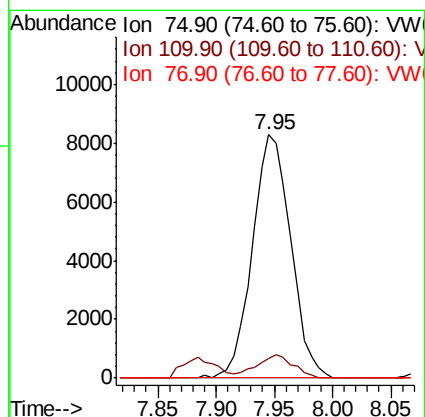
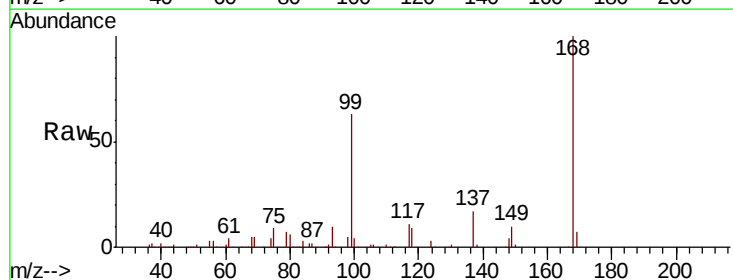
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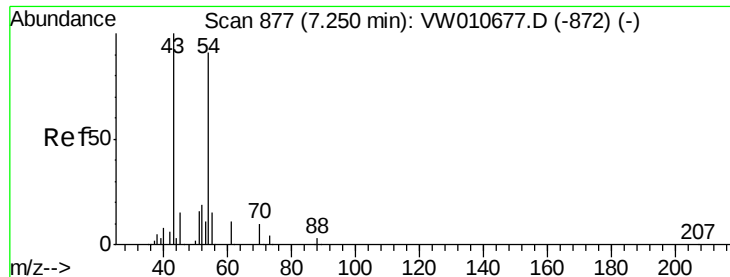
Tot Ion:113 Resp: 61518
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 123.8
 192 19.0 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.162 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010815.D
 Acq: 14 Jun 2019 15:35

Tgt Ion: 75 Resp: 18919
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.8 47.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 4.835 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

GS-SOIL-PILE

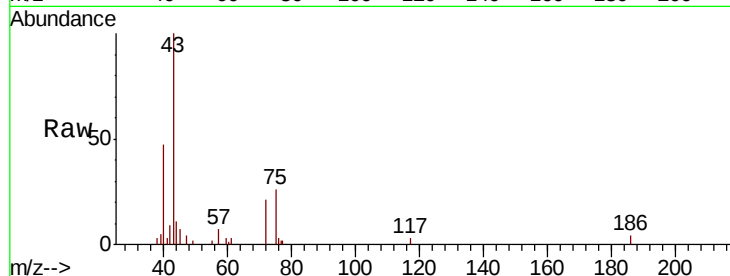
Tot Ion: 43 Resp: 9819

Ion Ratio Lower Upper

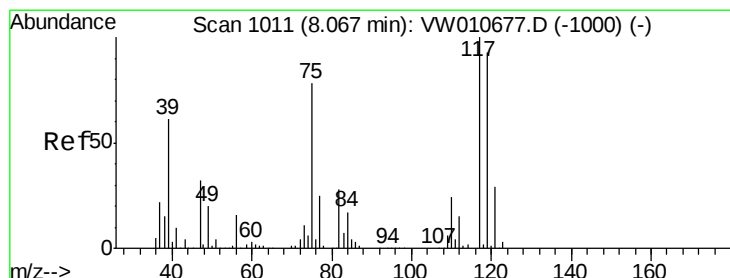
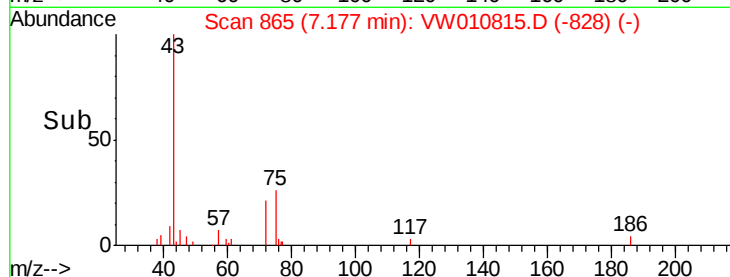
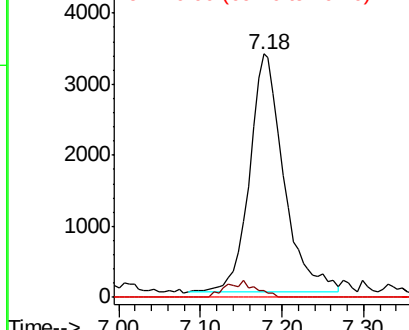
43 100

61 0.0 9.7 14.5#

70 0.0 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 7.085 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

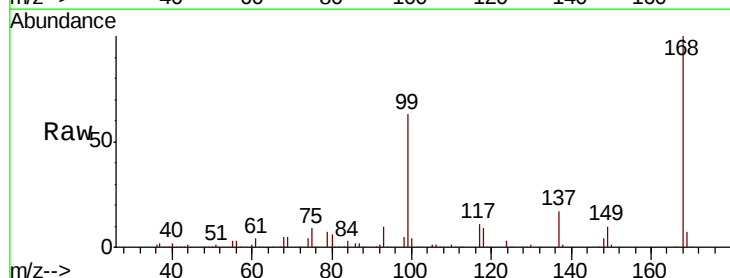
Tgt Ion: 117 Resp: 22413

Ion Ratio Lower Upper

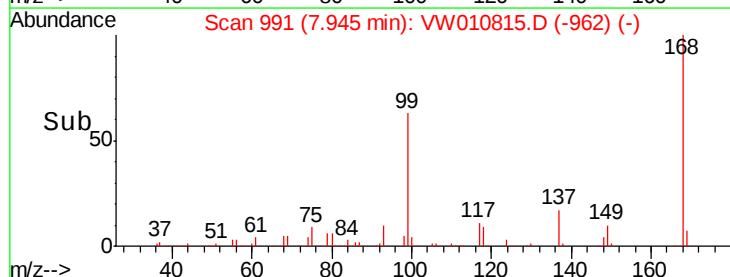
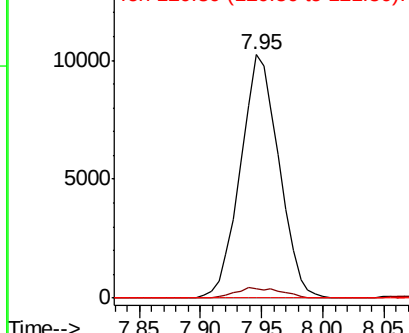
117 100

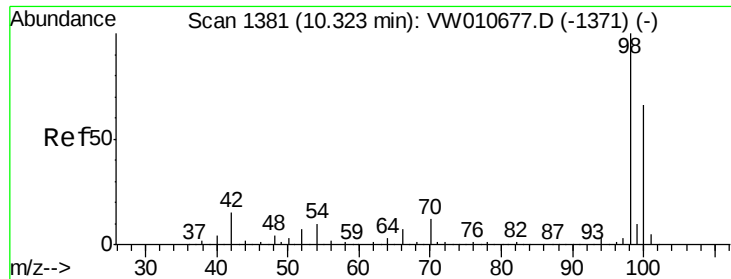
119 4.0 74.2 111.4#

121 0.0 22.9 34.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

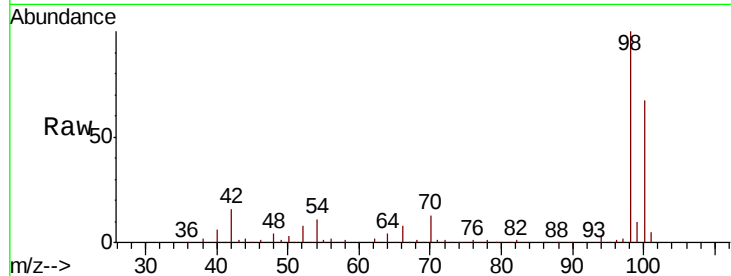




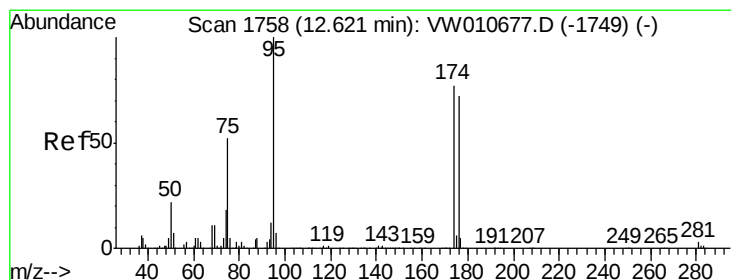
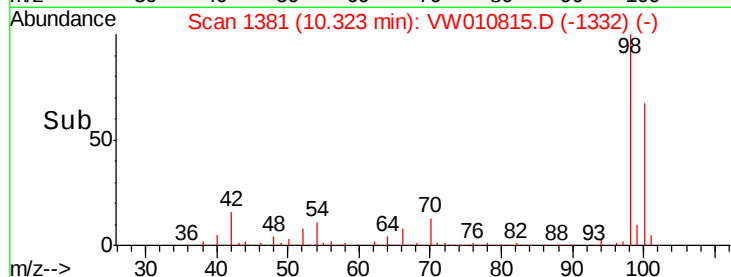
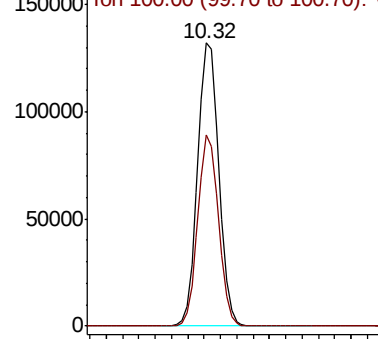
#50
Toluene-d8
Concen: 27.748 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
GS-SOIL-PILE

Tot Ion: 98 Resp: 236451
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6

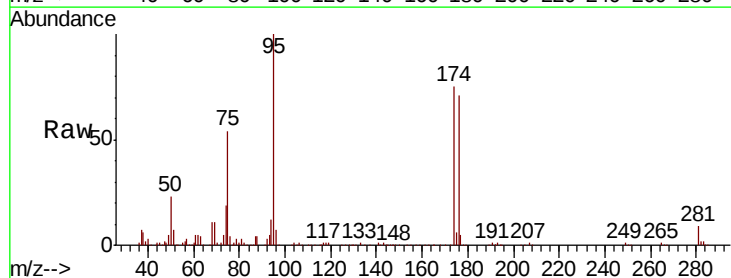


Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

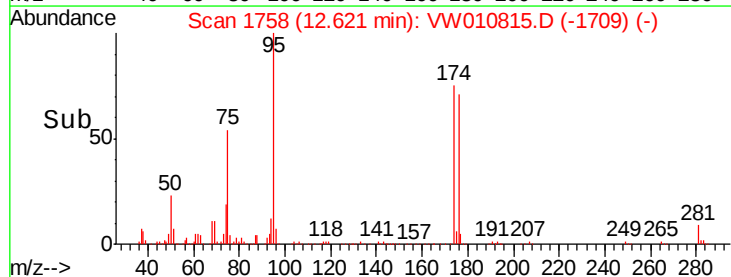
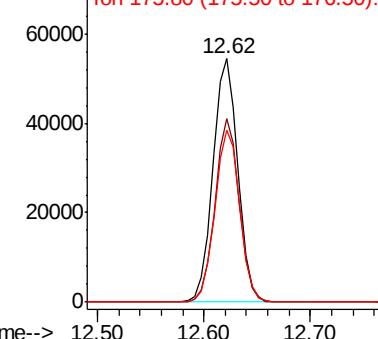


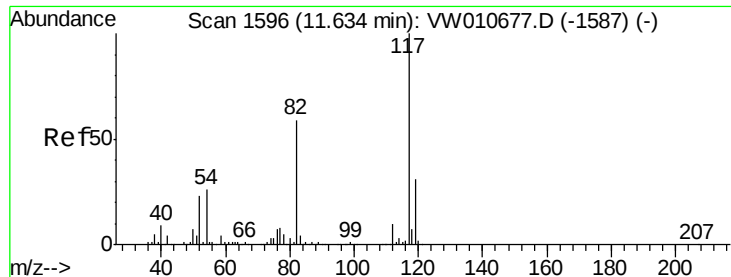
#62
4-Bromofluorobenzene
Concen: 28.798 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Tgt Ion: 95 Resp: 89299
Ion Ratio Lower Upper
95 100
174 73.0 0.0 150.4
176 70.4 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

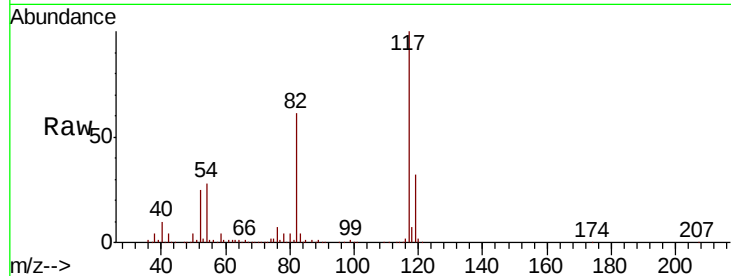




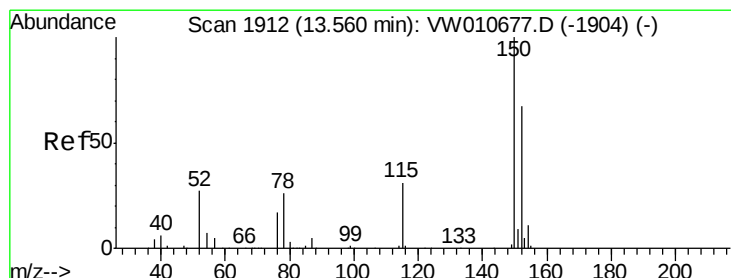
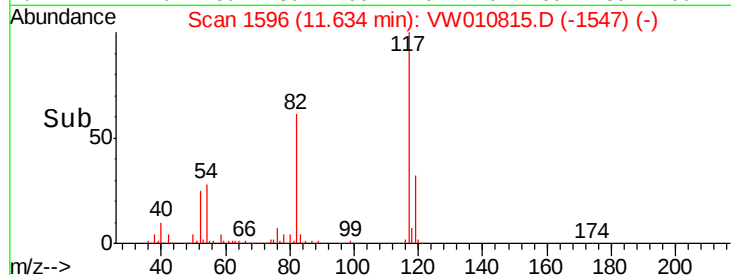
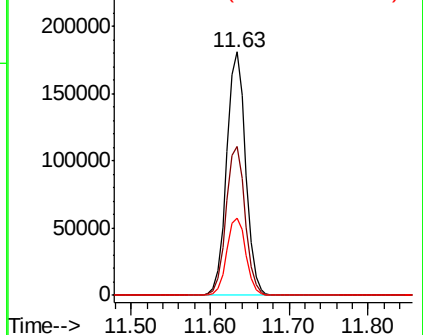
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
GS-SOIL-PILE

Tot Ion:117 Resp: 301789
Ion Ratio Lower Upper
117 100
82 61.1 47.0 70.4
119 32.0 25.1 37.7

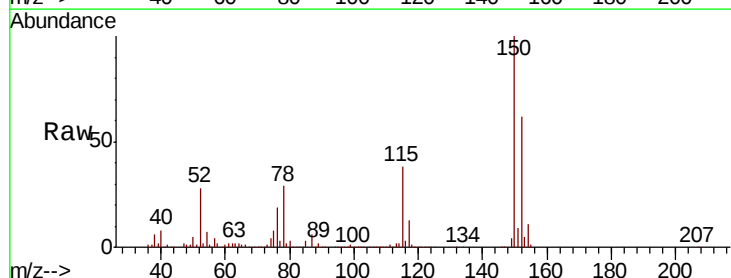


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

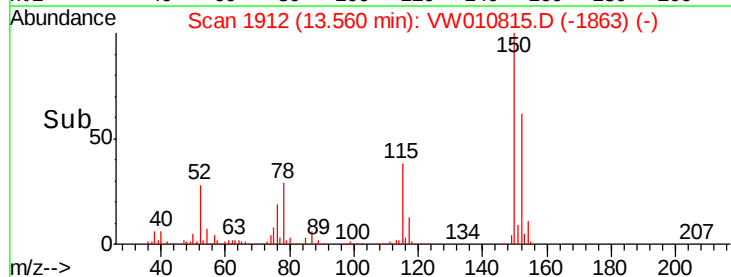
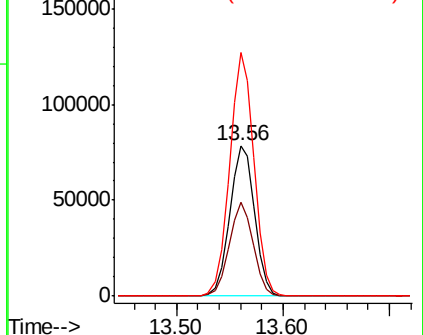


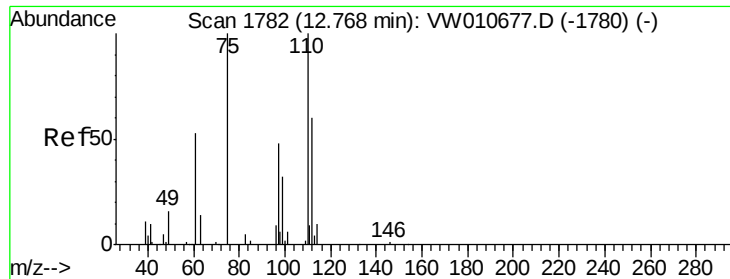
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010815.D
Acq: 14 Jun 2019 15:35

Tgt Ion:152 Resp: 128227
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 157.7 0.0 345.0



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: 35.872 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

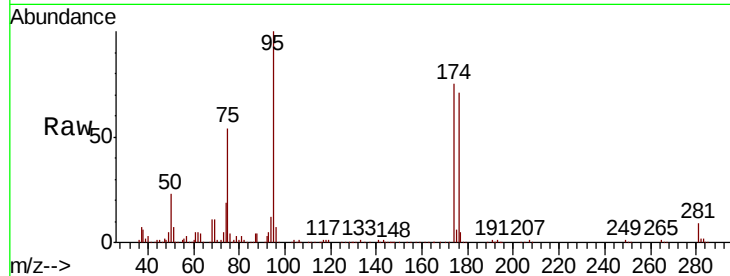
GS-SOIL-PILE

Tot Ion: 75 Resp: 48304

Ion Ratio Lower Upper

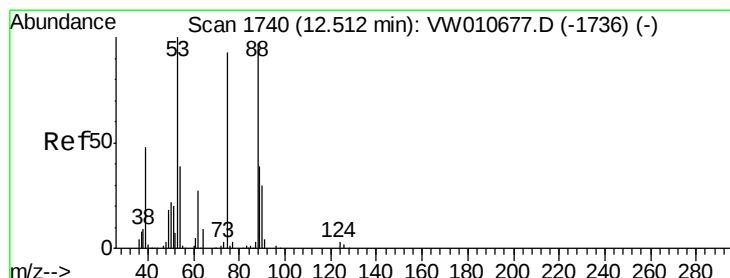
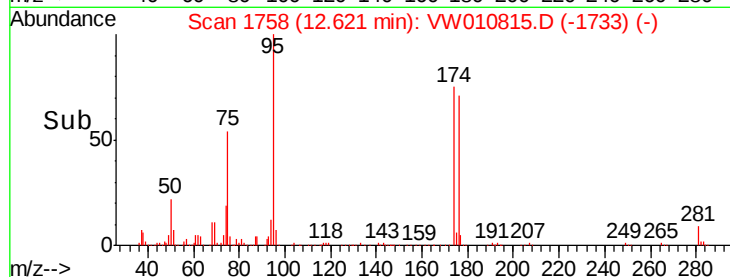
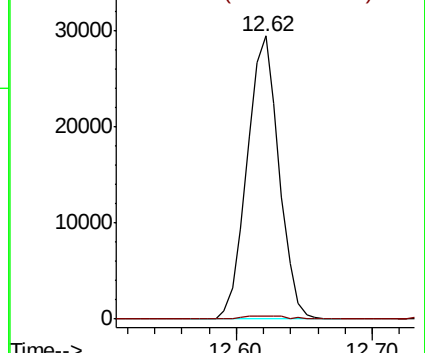
75 100

77 1.6 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: 82.446 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010815.D

Acq: 14 Jun 2019 15:35

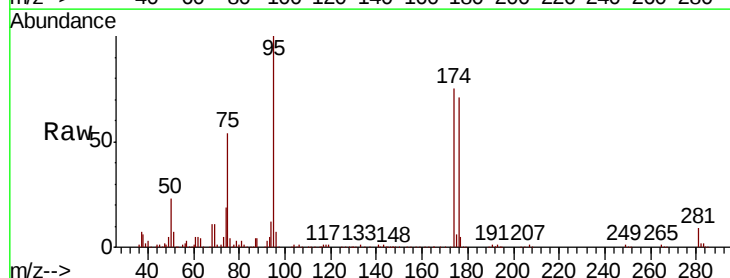
Tgt Ion: 75 Resp: 48304

Ion Ratio Lower Upper

75 100

53 0.4 90.1 135.1#

89 0.0 34.6 52.0#



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

