

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030819\
 Data File : VW009061.D
 Acq On : 08 Mar 2019 18:10
 Operator : SY/VA
 Sample : K1780-01RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-A

Quant Time: Mar 09 01:20:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	405940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189791	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	168352	58.45	ug/l	0.00
Spiked Amount			Recovery	=	116.90%	
35) Dibromofluoromethane	7.88	113	141505	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.32	98	543139	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.62	95	185798	42.31	ug/l	0.00
Spiked Amount			Recovery	=	84.62%	

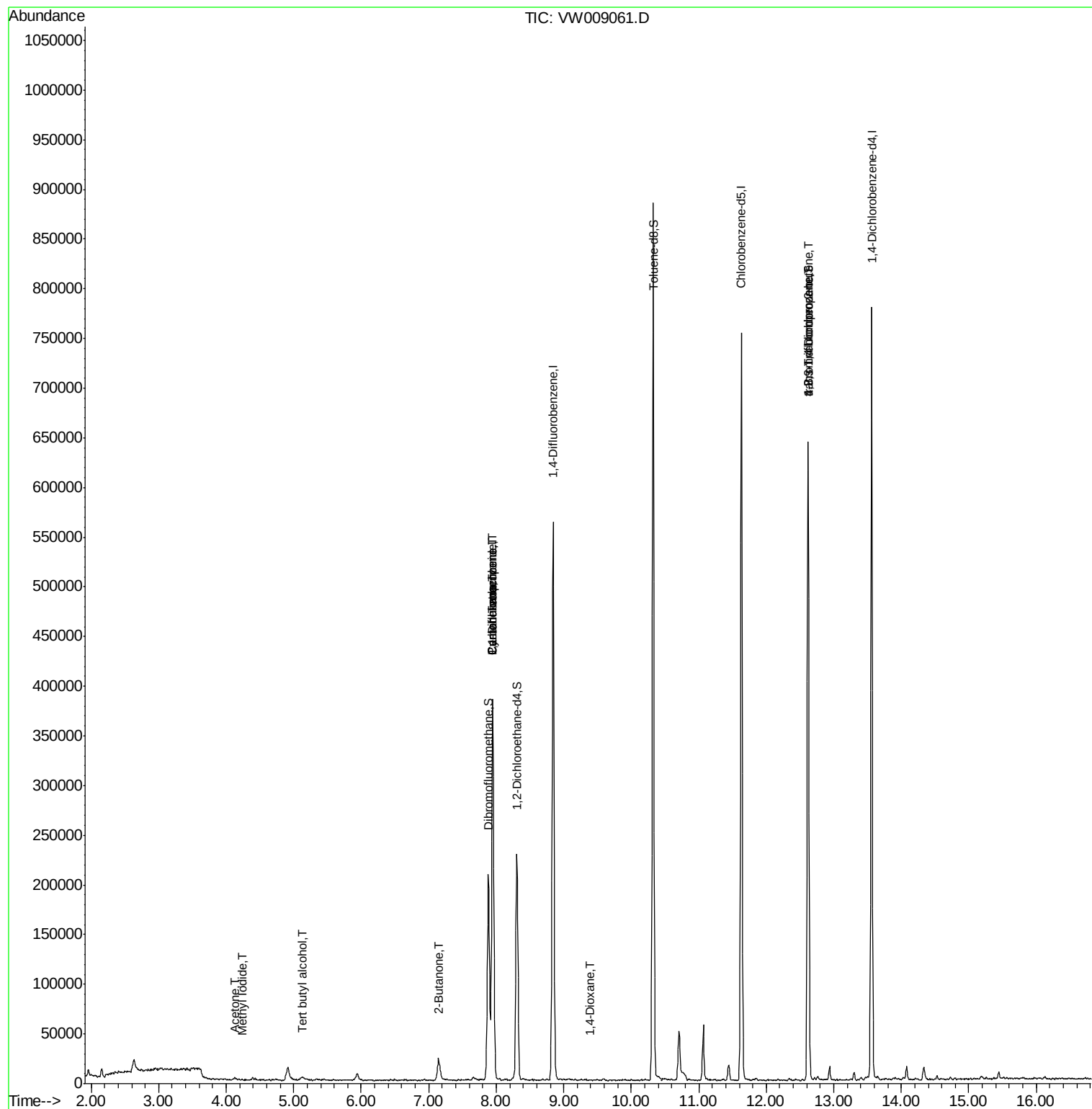
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.25	142	25	3.195	ug/l #	37
11) Tert butyl alcohol	5.13	59	2608	11.817	ug/l #	72
16) Acetone	4.13	43	4191	6.448	ug/l	96
20) Methylene Chloride	4.92	84	8443	Below Cal	#	89
25) 2-Butanone	7.15	43	1783	1.985	ug/l #	81
31) Cyclohexane	7.95	56	6443	1.200	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	23009	4.878	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27820	5.711	ug/l #	19
49) 1,4-Dioxane	9.38	88	43	1.744	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	99046	66.052	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	99046	147.742	ug/l #	5

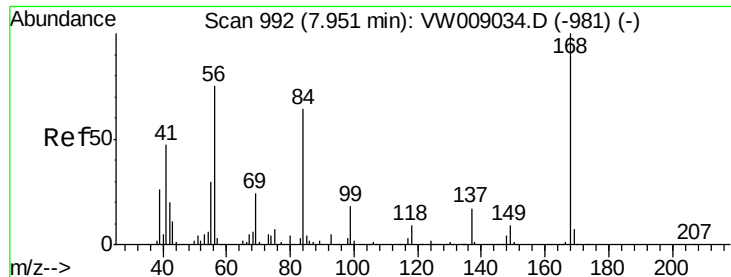
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030819\
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Operator : SY/VA
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Quant Time: Mar 09 01:20:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampled :

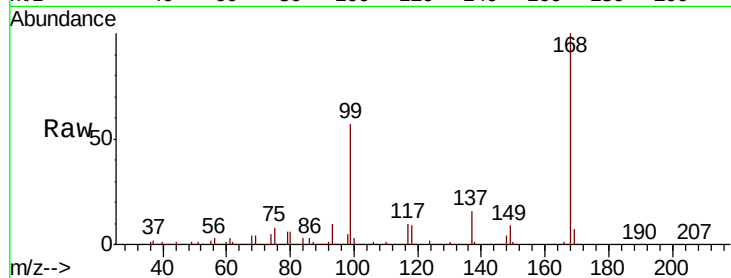
SOIL-A

Tot Ion:168 Resp: 286267

Ion Ratio Lower Upper

168 100

99 57.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

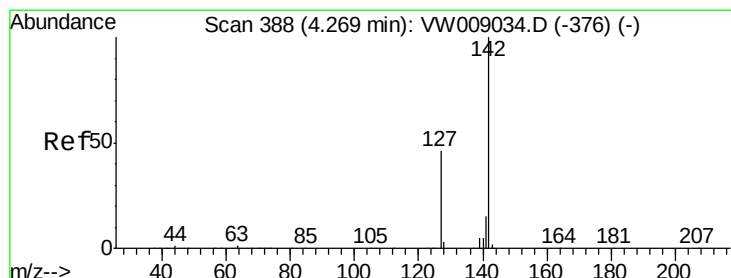
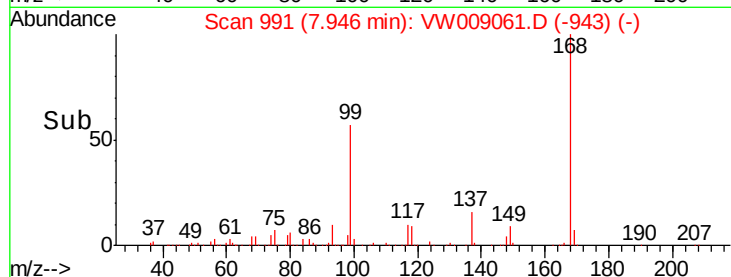
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.195 ug/l

RT: 4.25 min Scan# 385

Delta R.T. -0.02 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

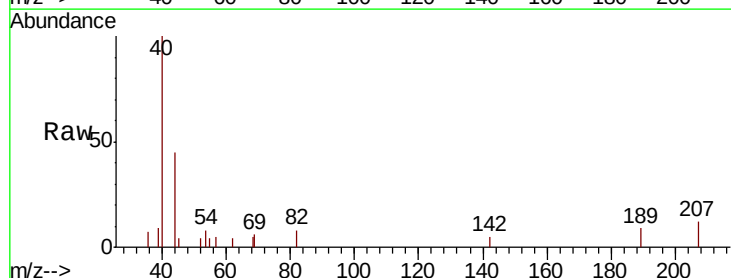
Tgt Ion:142 Resp: 25

Ion Ratio Lower Upper

142 100

127 92.0 35.8 53.6#

141 0.0 11.8 17.8#



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

4.25

80

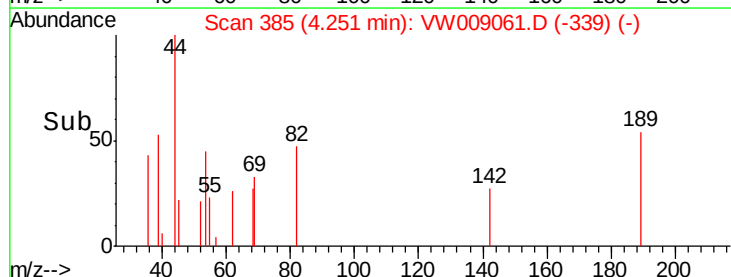
60

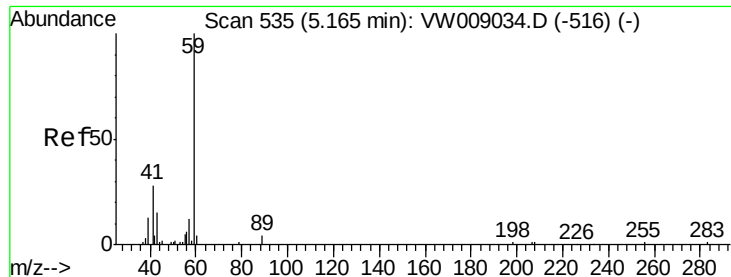
40

20

0

Time-->



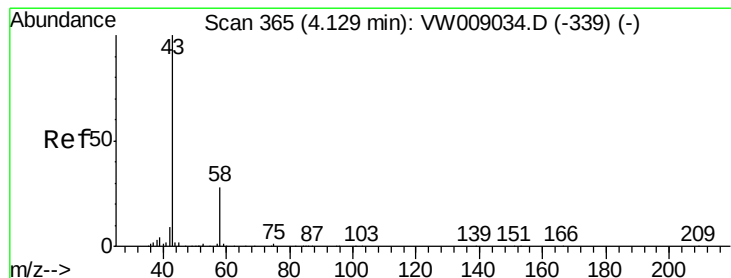
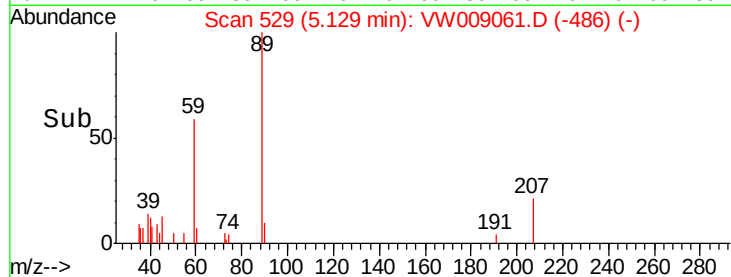
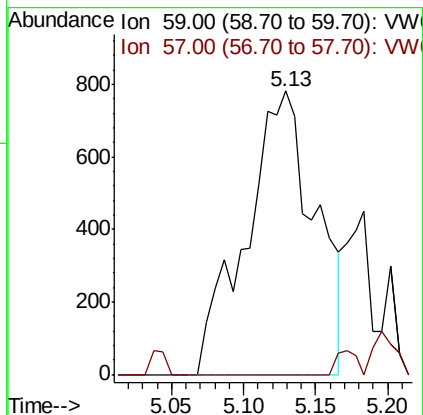
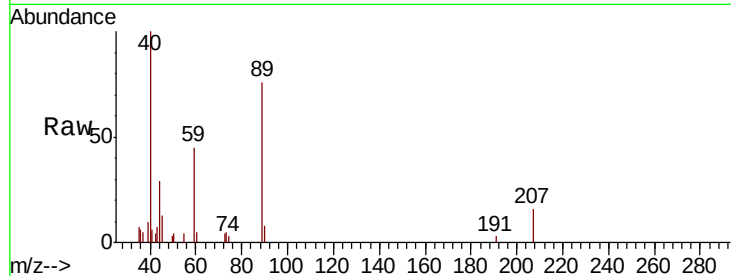


#11

Tert butyl alcohol
 Concen: 11.817 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW009061.D
 Acq: 08 Mar 2019 18:10

Instrument :
 MSVOA_W
 ClientSampled :
 SOIL-A

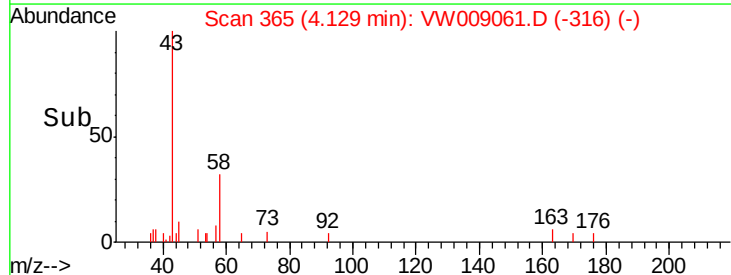
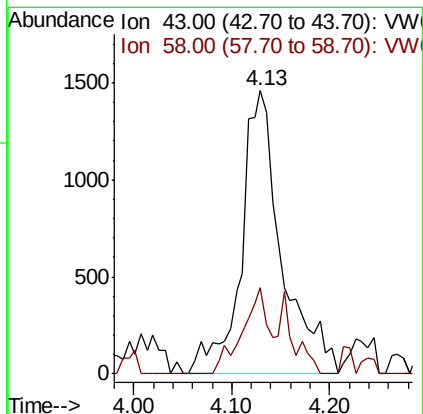
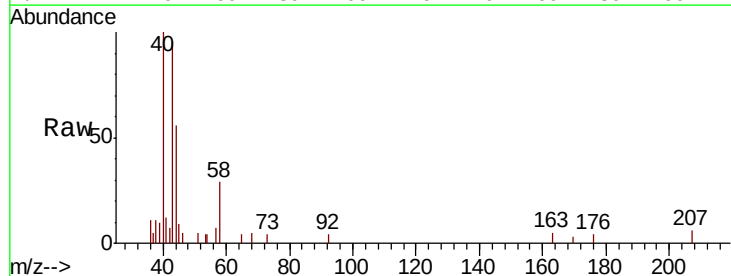
Tot Ion: 59 Resp: 2608
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

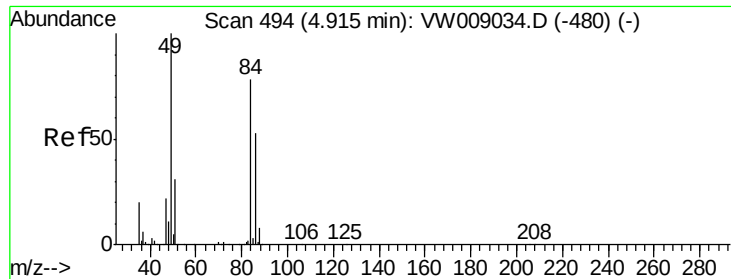


#16

Acetone
 Concen: 6.448 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009061.D
 Acq: 08 Mar 2019 18:10

Tgt Ion: 43 Resp: 4191
 Ion Ratio Lower Upper
 43 100
 58 30.3 22.5 33.7

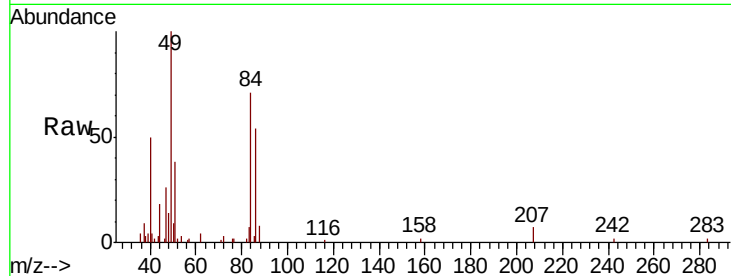




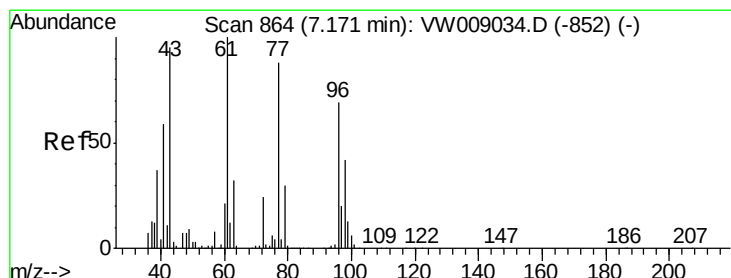
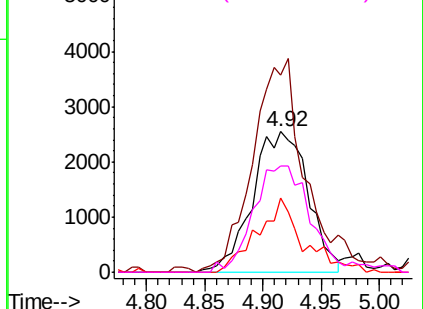
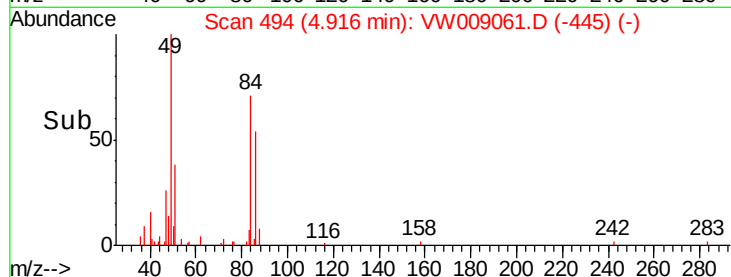
#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009061.D
Acq: 08 Mar 2019 18:10

Instrument :
MSVOA_W
ClientSampled :
SOIL-A

Tot Ion: 84 Resp: 8443
Ion Ratio Lower Upper
84 100
49 137.4 102.4 153.6
51 52.9 31.6 47.4#
86 76.1 54.5 81.7

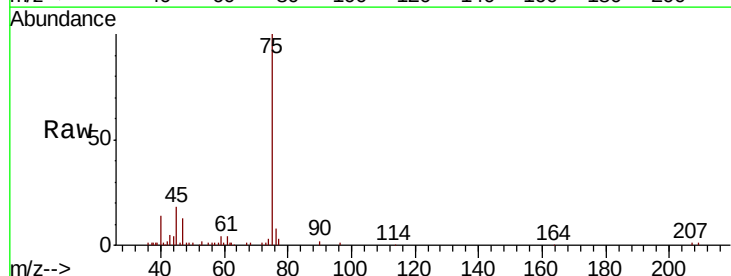


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

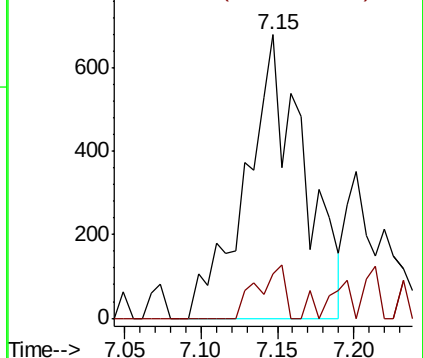
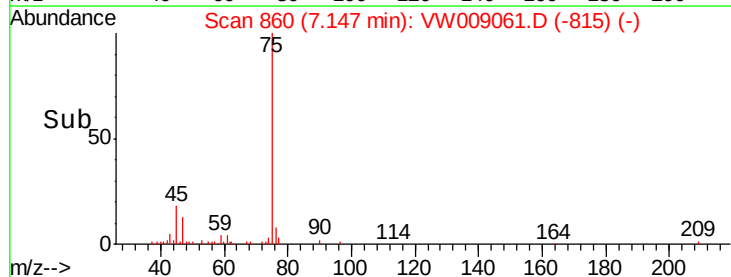


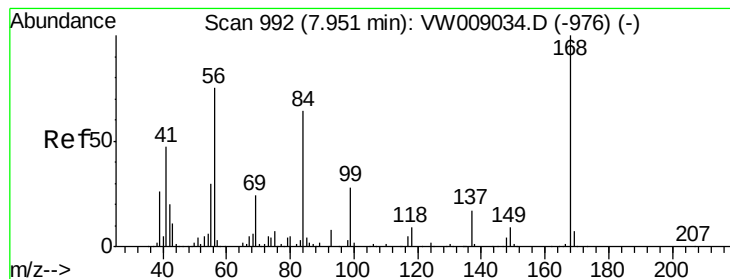
#25
2-Butanone
Concen: 1.985 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW009061.D
Acq: 08 Mar 2019 18:10

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
72 15.4 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.200 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleID :

SOIL-A

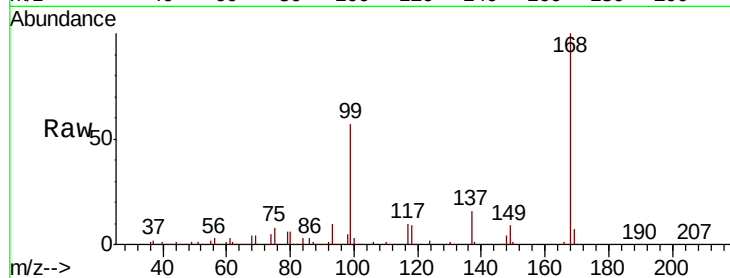
Tot Ion: 56 Resp: 6443

Ion Ratio Lower Upper

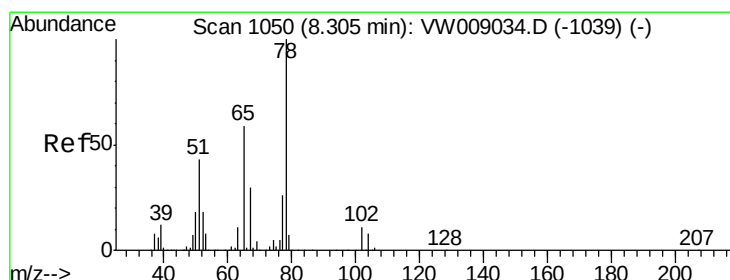
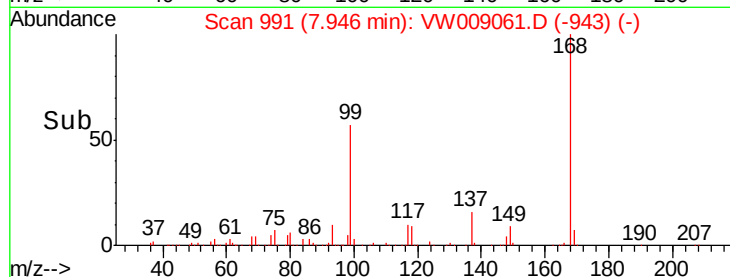
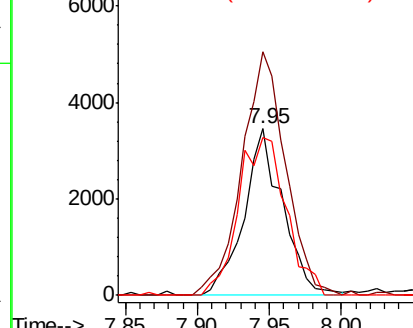
56 100

69 146.0 25.5 38.3#

84 94.4 68.6 103.0



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: 58.453 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009061.D

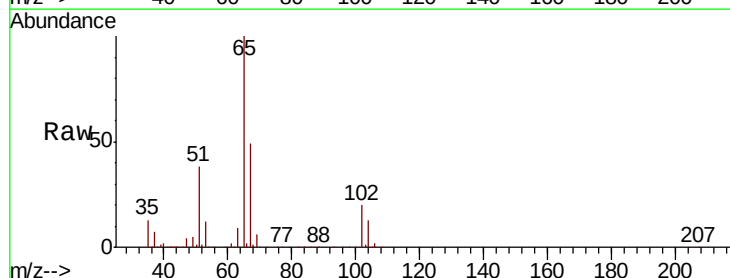
Acq: 08 Mar 2019 18:10

Tgt Ion: 65 Resp: 168352

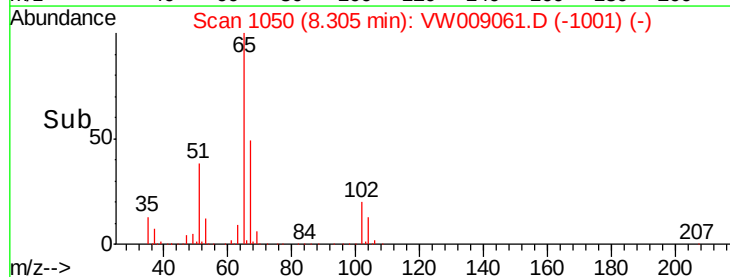
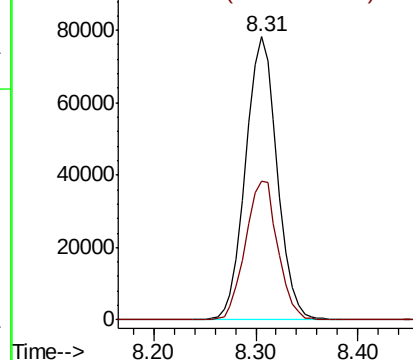
Ion Ratio Lower Upper

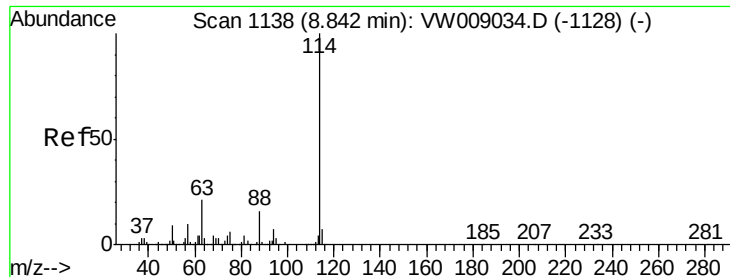
65 100

67 50.4 0.0 103.0



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

SOIL-A

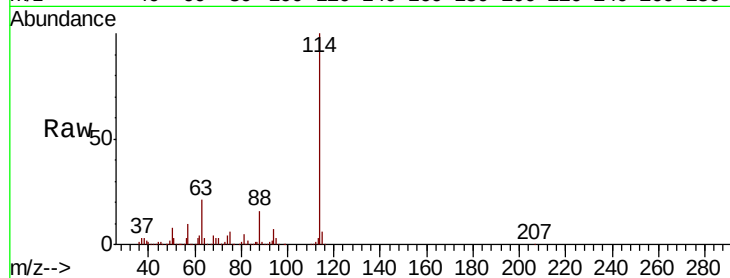
Tot Ion:114 Resp: 451083

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.2

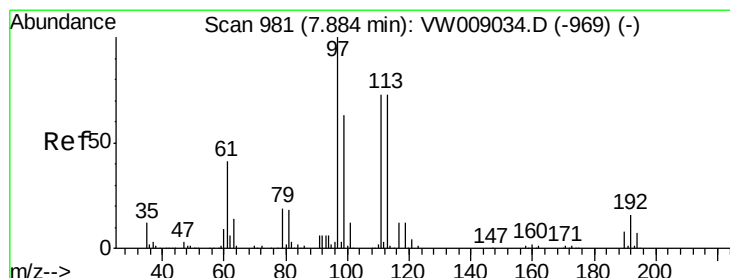
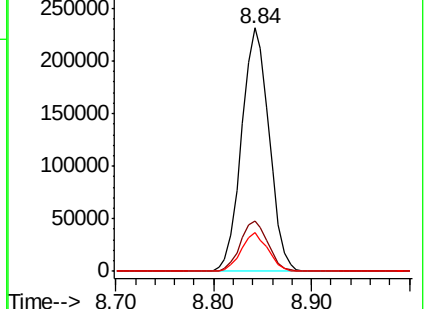
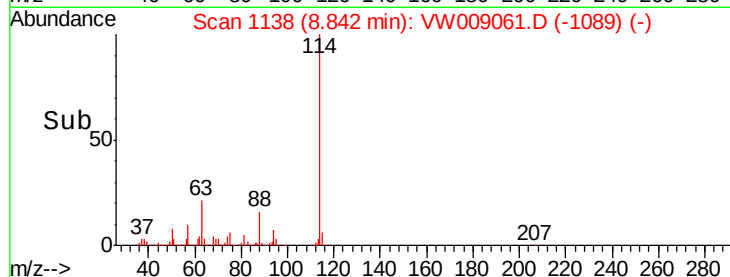
88 15.9 0.0 31.2



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: 52.102 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

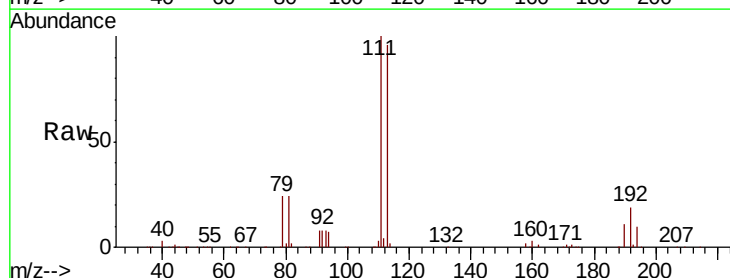
Tgt Ion:113 Resp: 141505

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.4

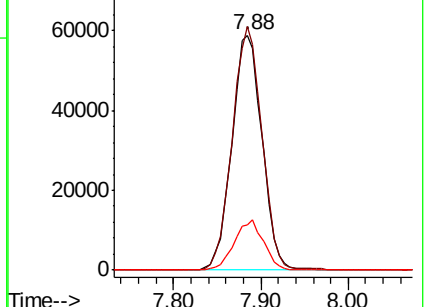
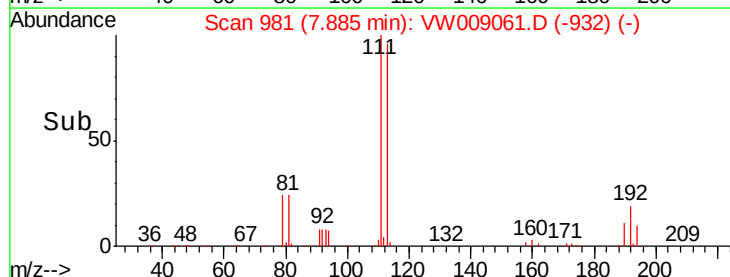
192 20.7 17.1 25.7

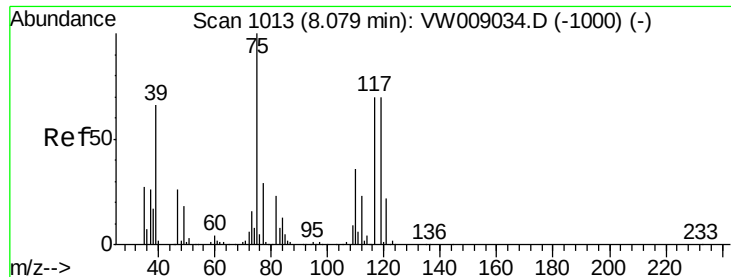


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

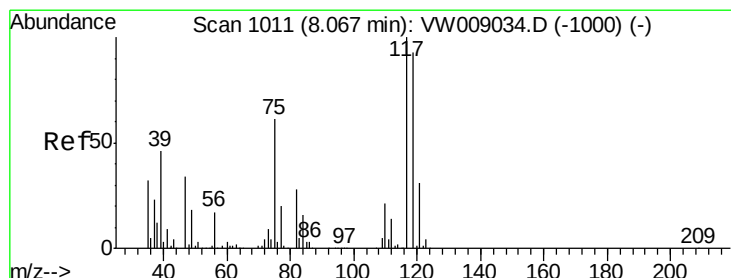
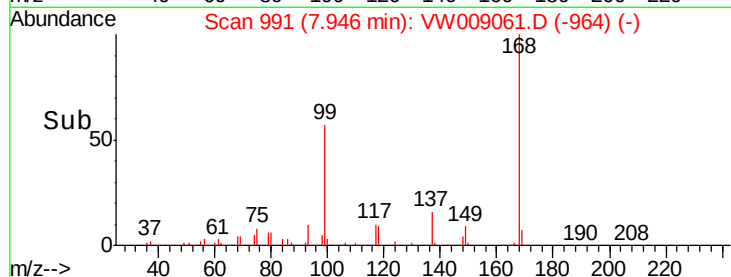
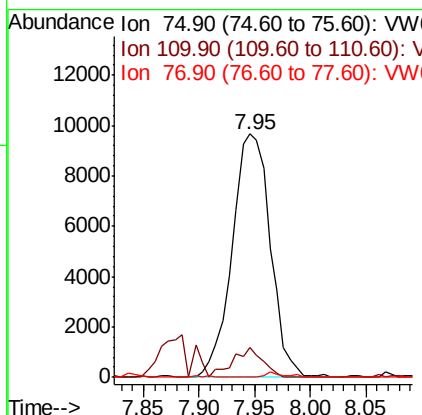
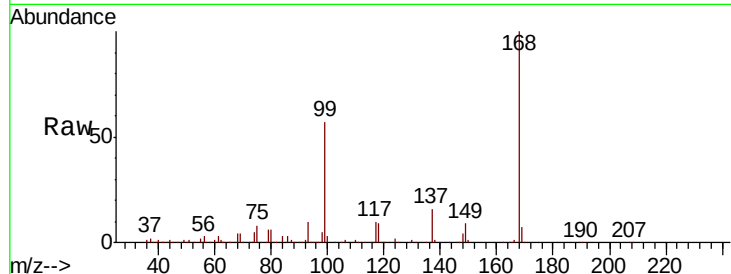




#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009061.D
 Acq: 08 Mar 2019 18:10

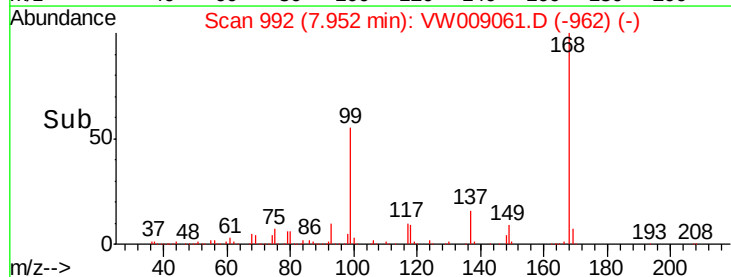
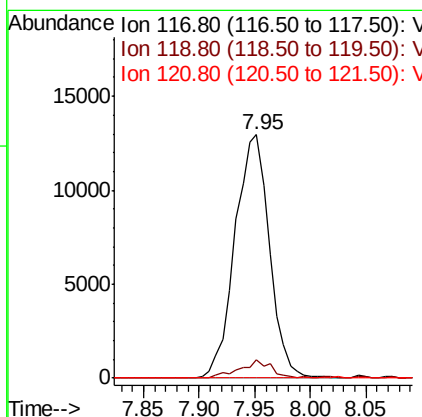
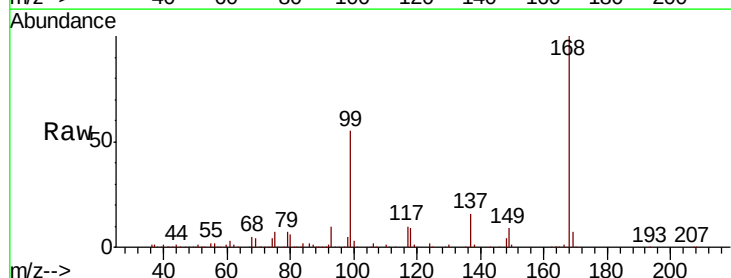
Instrument :
 MSVOA_W
 ClientSampled :
 SOIL-A

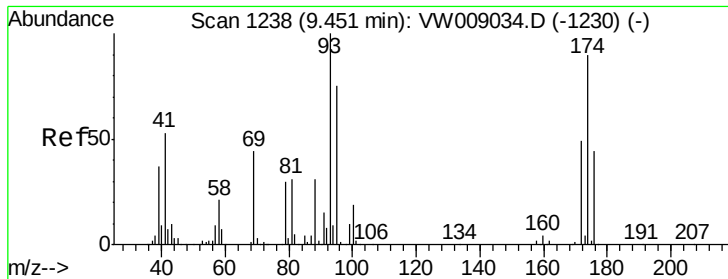
Tot Ion: 75 Resp: 23009
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.9#
 77 1.1 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.711 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW009061.D
 Acq: 08 Mar 2019 18:10

Tgt Ion: 117 Resp: 27820
 Ion Ratio Lower Upper
 117 100
 119 7.6 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.744 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. -0.07 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampled :

SOIL-A

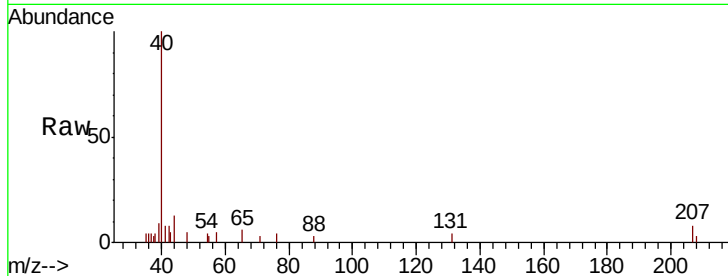
Tot Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 316.3 29.0 43.4#

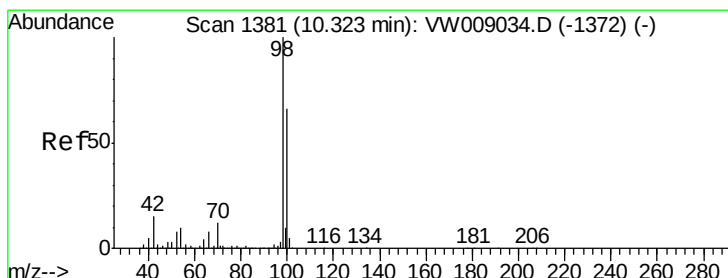
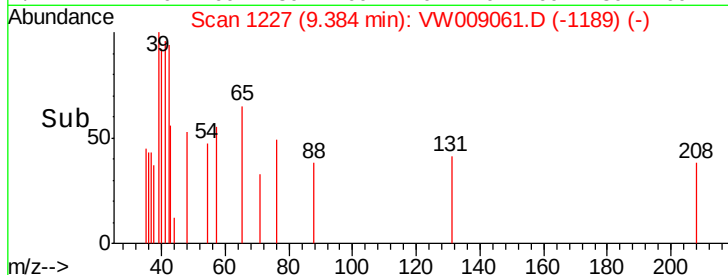
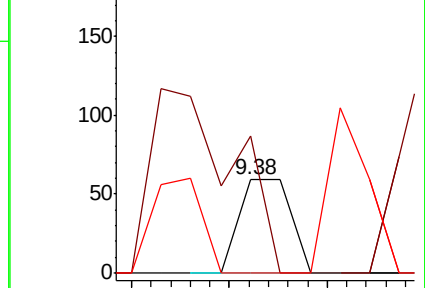
58 97.7 59.2 88.8#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.691 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009061.D

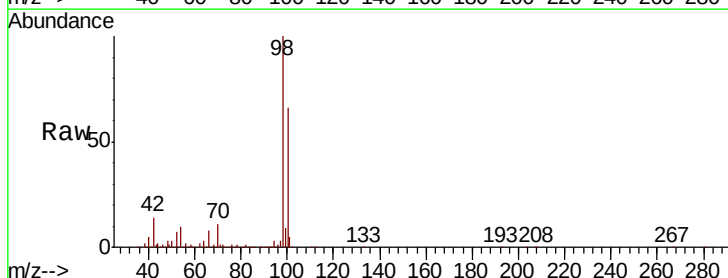
Acq: 08 Mar 2019 18:10

Tgt Ion: 98 Resp: 543139

Ion Ratio Lower Upper

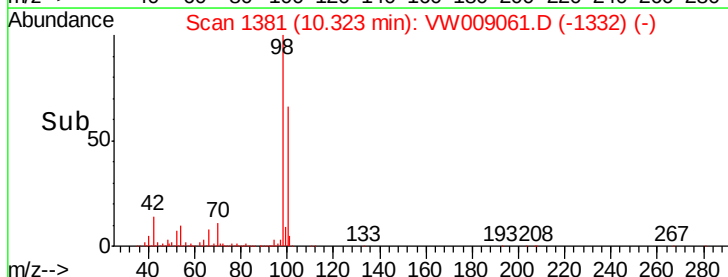
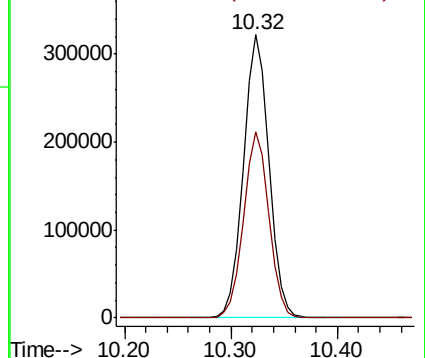
98 100

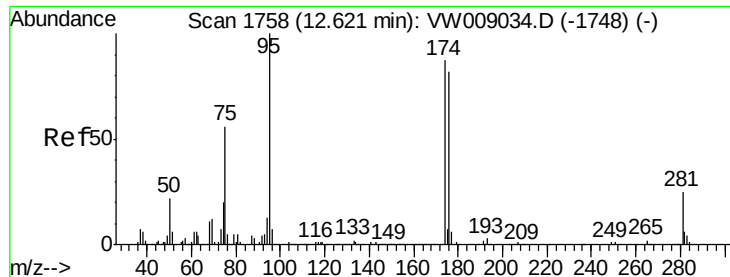
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.312 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

SOIL-A

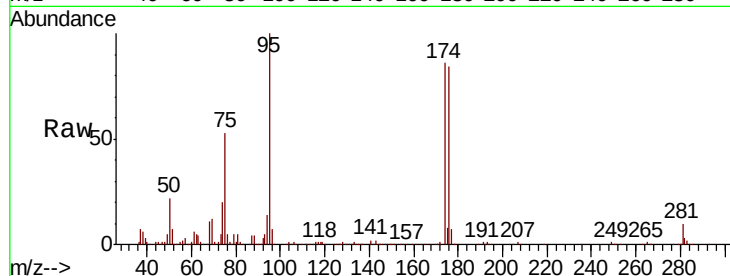
Tot Ion: 95 Resp: 185798

Ion Ratio Lower Upper

95 100

174 85.3 0.0 167.0

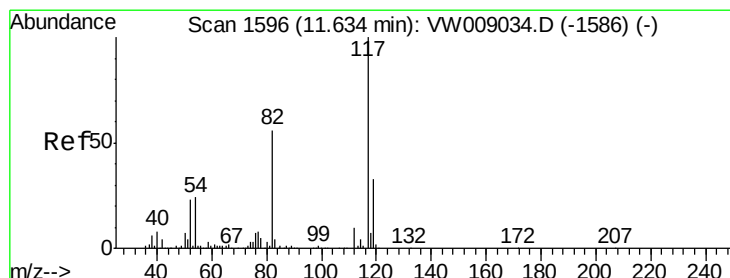
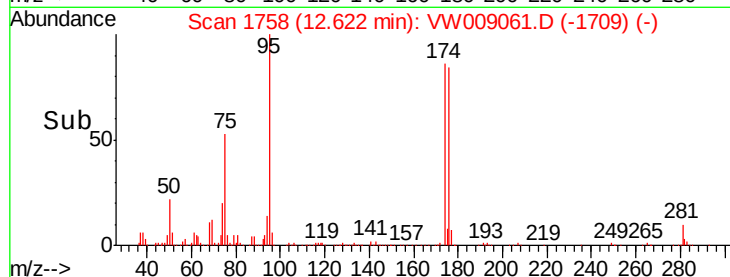
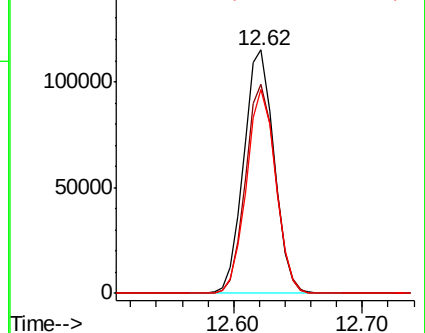
176 81.4 0.0 159.4



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: VW009061.D

Acq: 08 Mar 2019 18:10

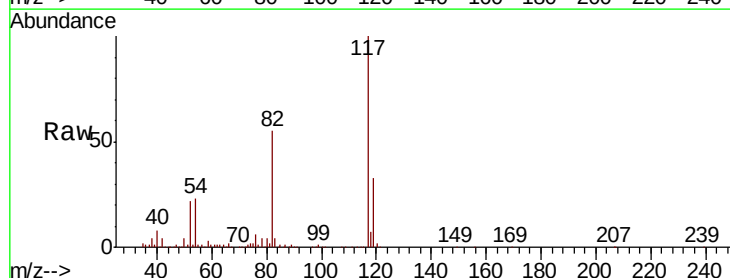
Tgt Ion: 117 Resp: 405940

Ion Ratio Lower Upper

117 100

82 55.4 45.0 67.6

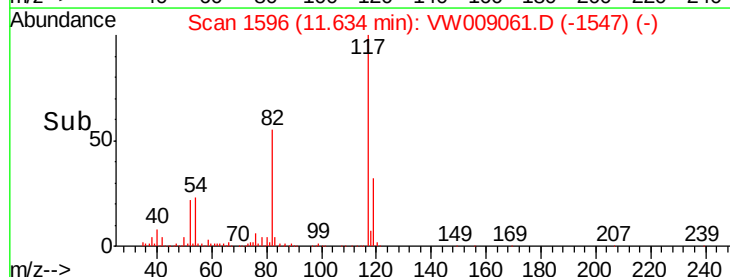
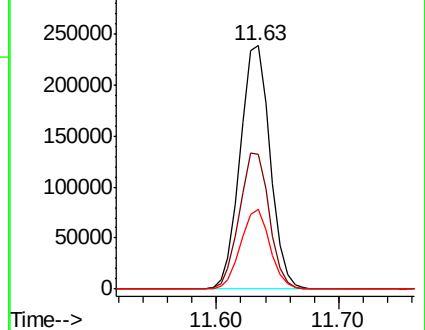
119 32.5 26.6 39.8

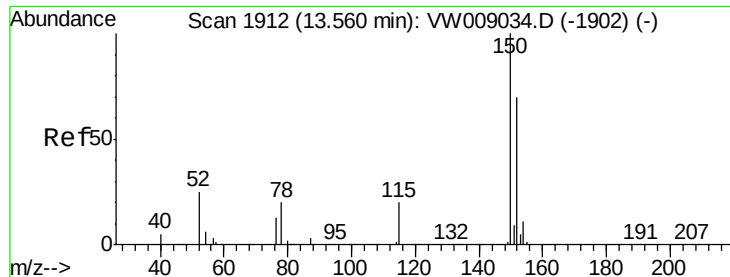


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



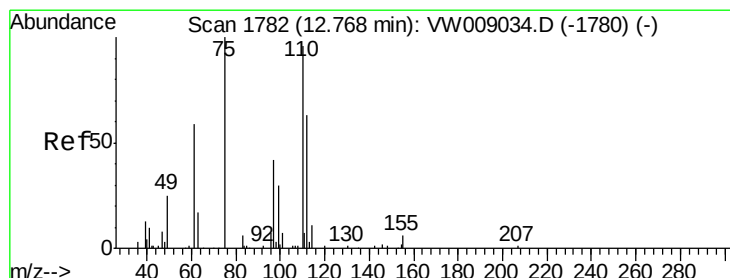
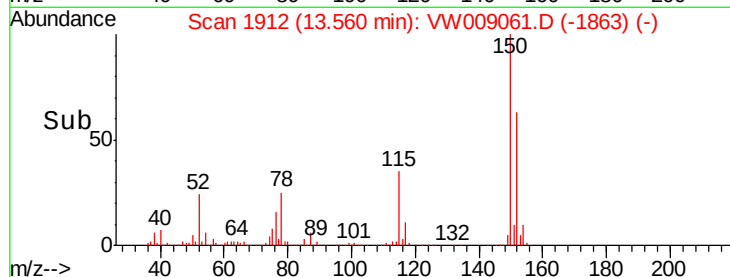
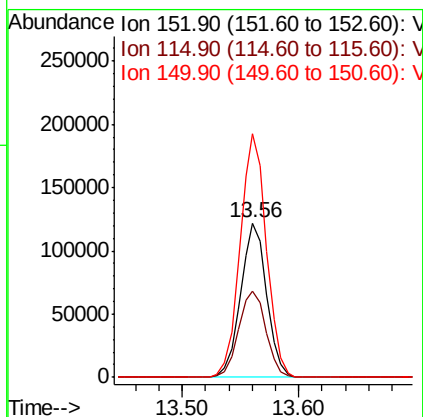
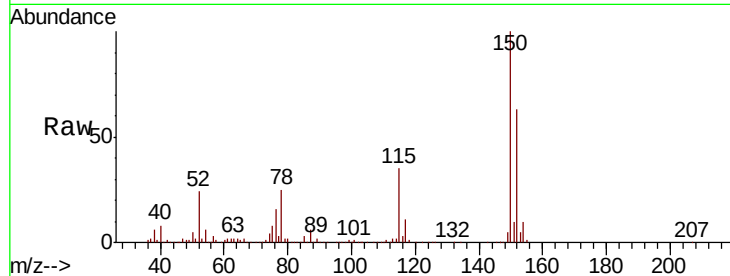


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009061.D
Acq: 08 Mar 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :
SOIL-A

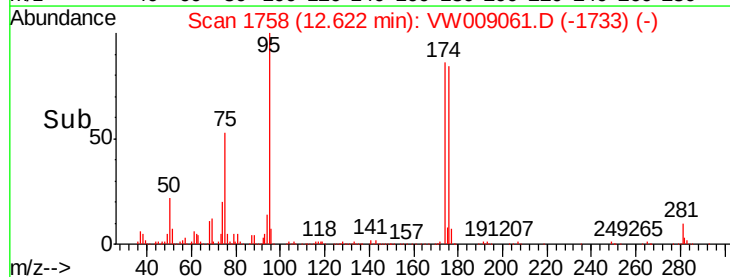
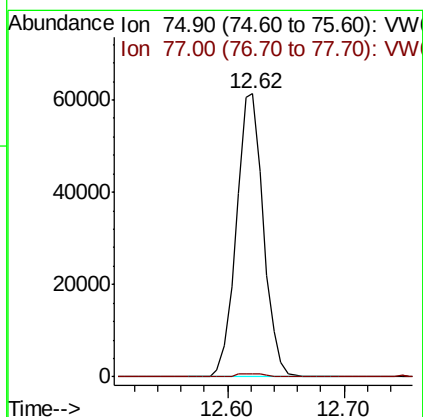
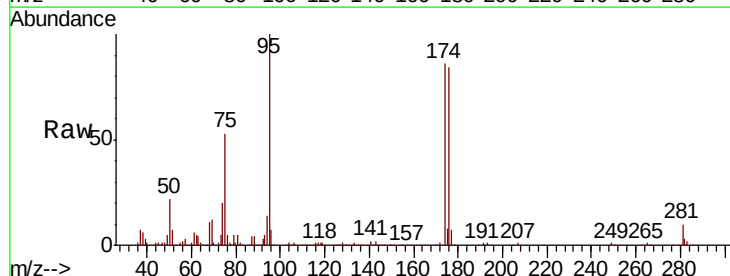
Tot Ion:152 Resp: 189791
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.7
150 159.3 0.0 349.2

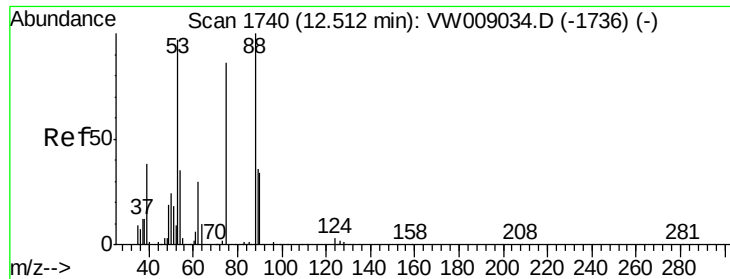


#76

1,2,3-Trichloropropane
Concen: 66.052 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW009061.D
Acq: 08 Mar 2019 18:10

Tgt Ion: 75 Resp: 99046
Ion Ratio Lower Upper
75 100
77 1.5 186.7 560.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.742 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009061.D

Acq: 08 Mar 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

SOIL-A

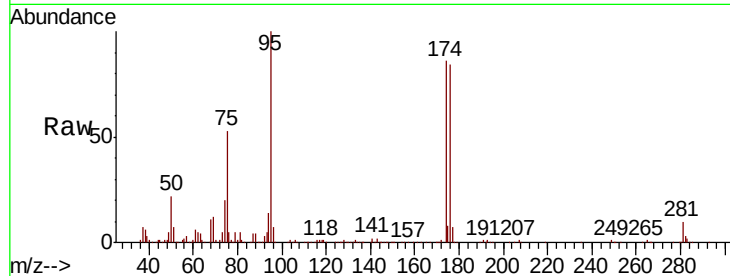
Tot Ion: 75 Resp: 99046

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.3 37.5 56.3#



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

