

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
 Data File : VW004204.D
 Acq On : 25 Jul 2018 20:45
 Operator : SY/AP
 Sample : J4119-01
 Misc : 6.89G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB-SOIL-PILE

Quant Time: Jul 26 05:12:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	166111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	63347	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	71073	62.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.28%	
35) Dibromofluoromethane	7.89	113	60822	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
50) Toluene-d8	10.33	98	201733	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.62	95	58042	38.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.84%	

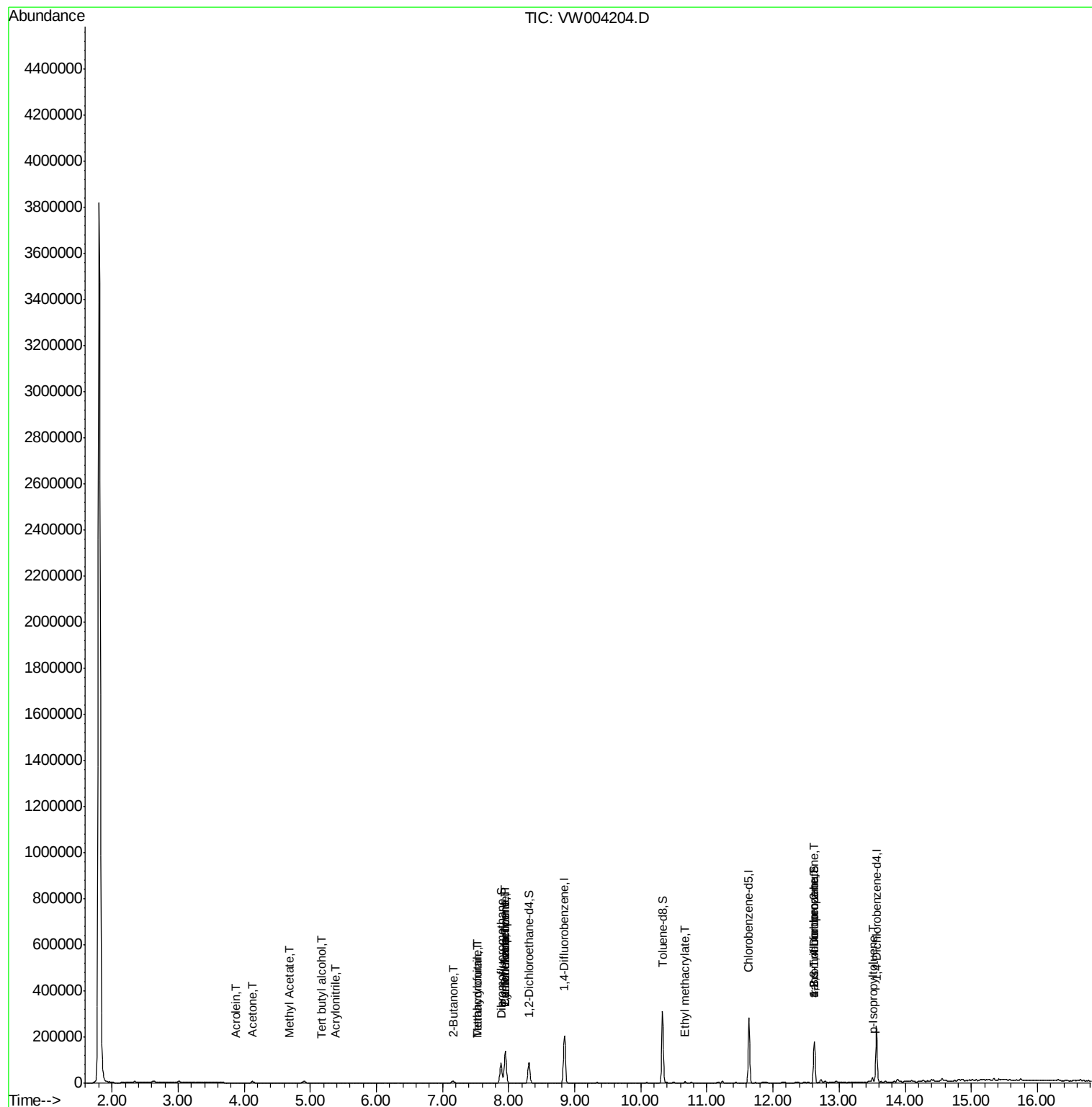
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.17	59	264	3.343	ug/l #	72
13) Acrolein	3.87	56	93	1.146	ug/l #	61
15) Acrylonitrile	5.38	53	294	1.132	ug/l #	36
16) Acetone	4.12	43	11173	40.650	ug/l	90
18) Methyl Acetate	4.68	43	773	1.172	ug/l #	54
20) Methylene Chloride	4.90	84	5188	Below Cal	#	89
25) 2-Butanone	7.18	43	1091	2.950	ug/l #	80
29) Tetrahydrofuran	7.54	42	408	1.771	ug/l #	49
31) Cyclohexane	7.95	56	3272	1.724	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	8746	5.117	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10232	6.407	ug/l #	18
41) Methacrylonitrile	7.54	41	561	1.228	ug/l #	33
56) Ethyl methacrylate	10.66	69	689	3.459	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	29871	47.498	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29871	105.064	ug/l #	11
86) p-Isopropyltoluene	13.51	119	9223	2.241	ug/l	96

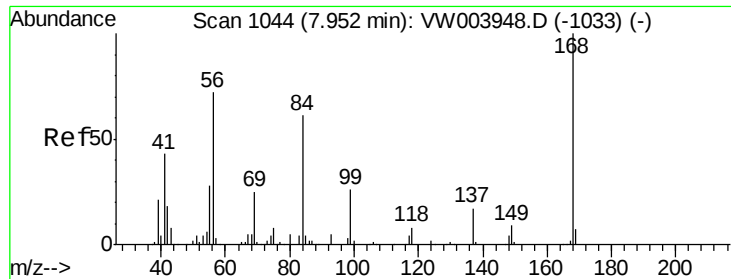
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW072618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

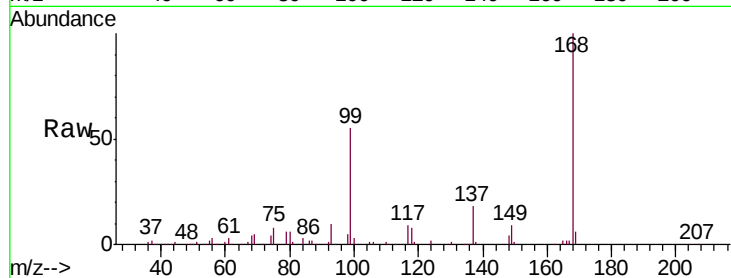
GB-SOIL-PILE

Tgt Ion: 168 Resp: 102328

Ion Ratio Lower Upper

168 100

99 55.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

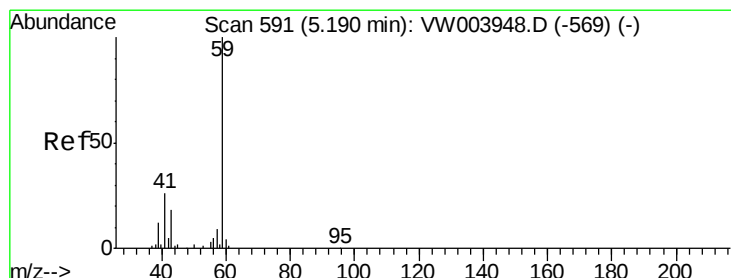
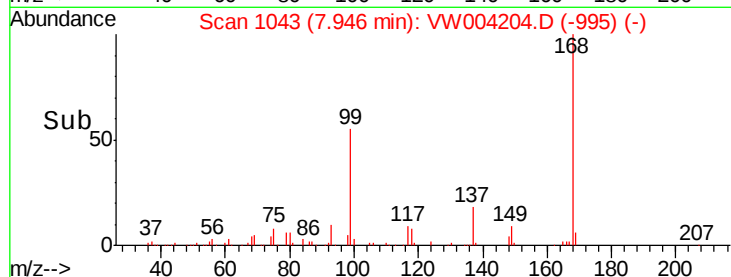
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.343 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.02 min

Lab File: VW004204.D

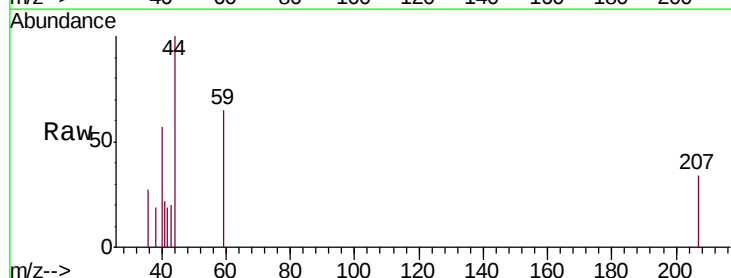
Acq: 25 Jul 2018 20:45

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

200

150

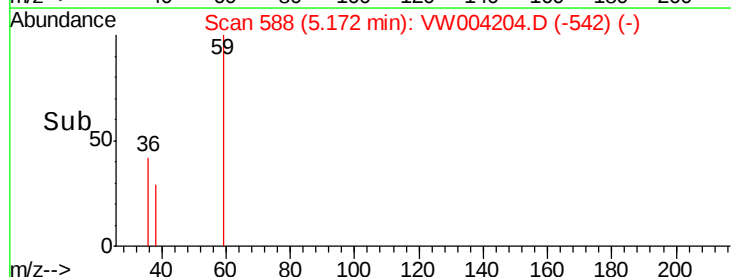
100

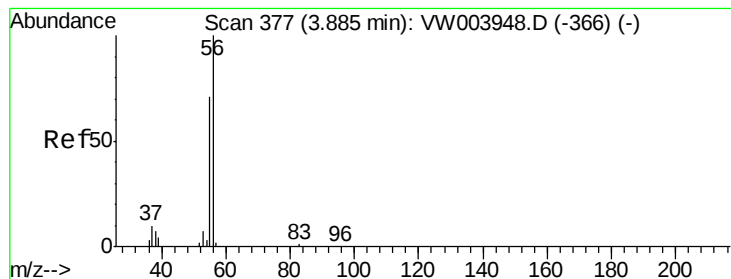
50

0

5.12 5.14 5.16 5.18

Time-->





#13

Acrolein

Concen: 1.146 ug/l

RT: 3.87 min Scan# 375

Delta R.T. -0.01 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

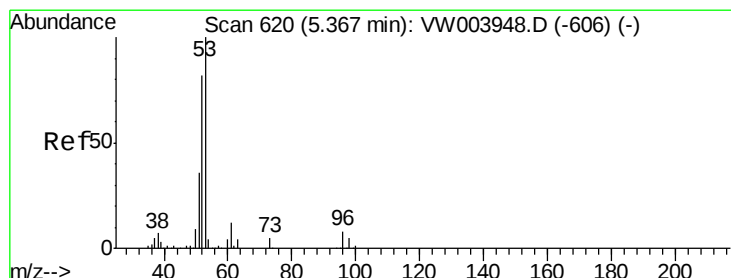
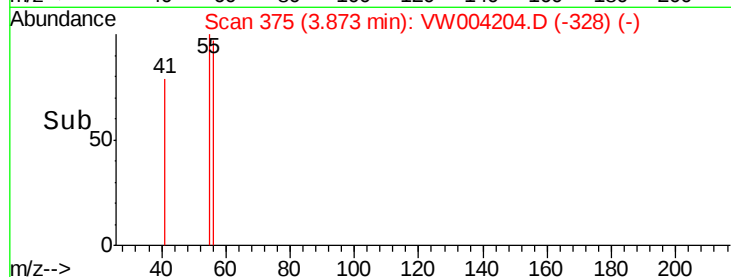
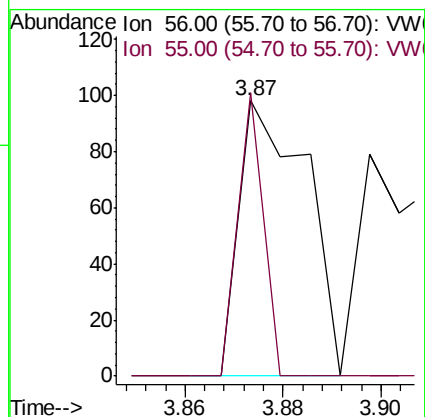
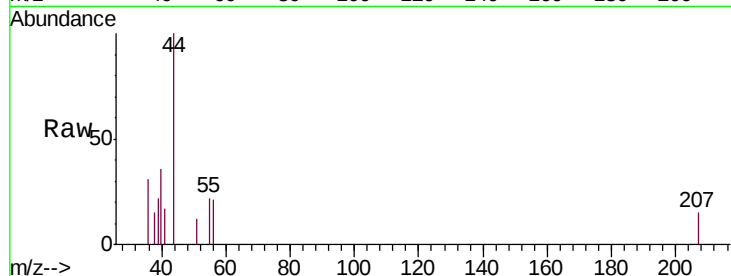
GB-SOIL-PILE

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 39.8 58.2 87.4#



#15

Acrylonitrile

Concen: 1.132 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

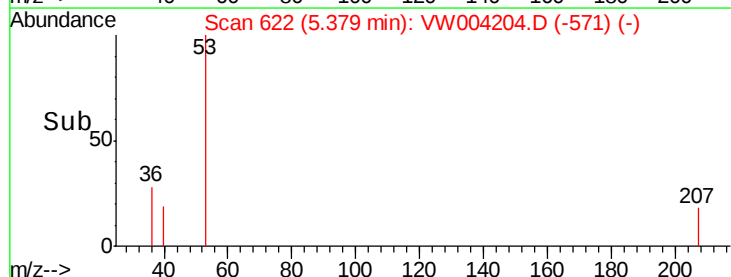
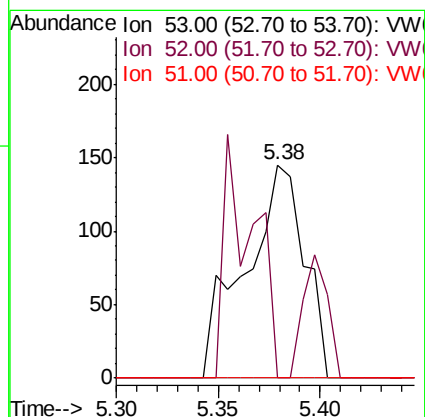
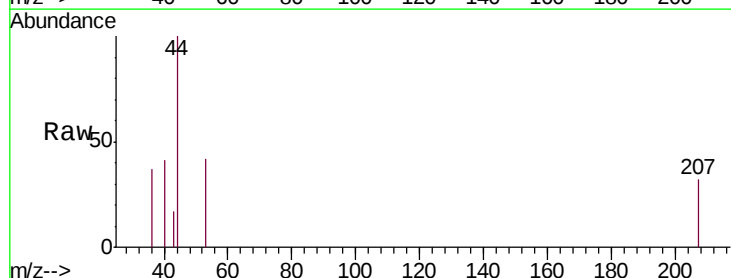
Tgt Ion: 53 Resp: 294

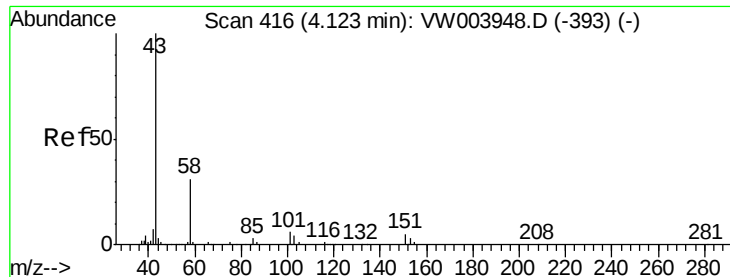
Ion Ratio Lower Upper

53 100

52 24.1 66.1 99.1#

51 0.0 29.8 44.6#





#16

Acetone

Concen: 40.650 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampled :

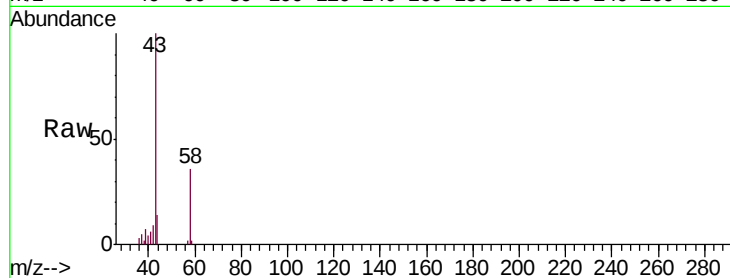
GB-SOIL-PILE

Tgt Ion: 43 Resp: 11173

Ion Ratio Lower Upper

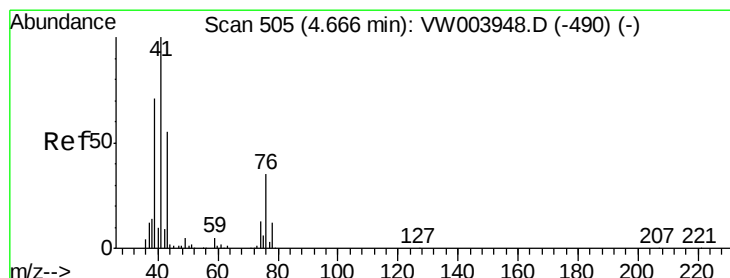
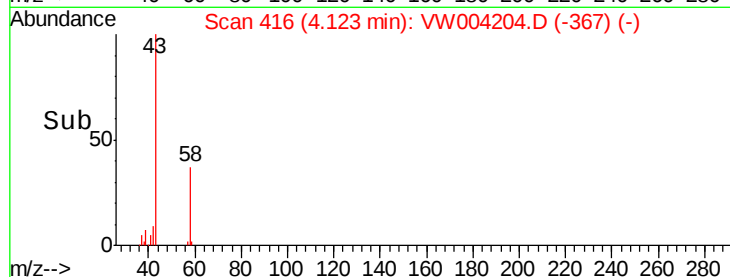
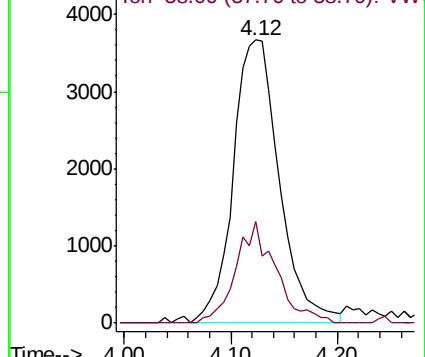
43 100

58 35.8 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.172 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.02 min

Lab File: VW004204.D

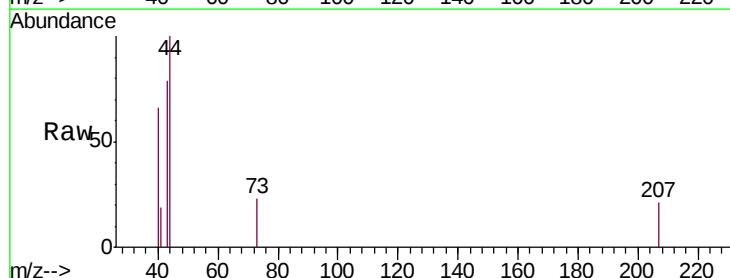
Acq: 25 Jul 2018 20:45

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

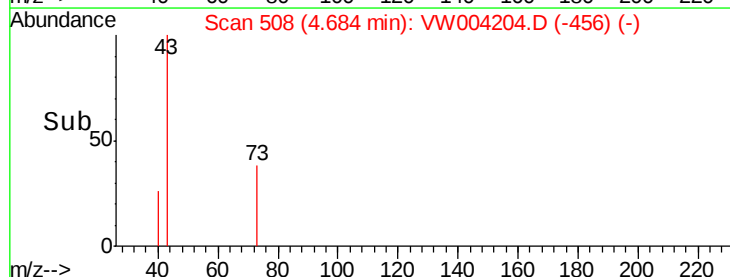
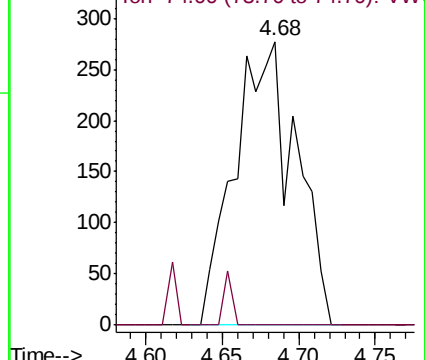
43 100

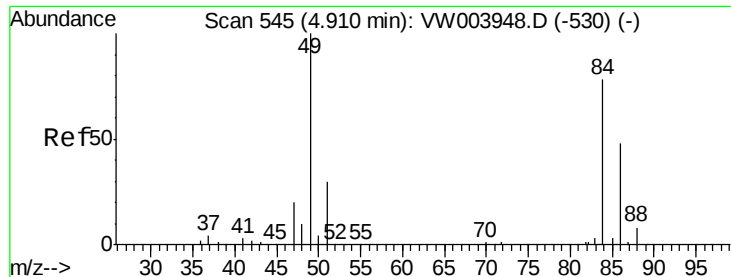
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

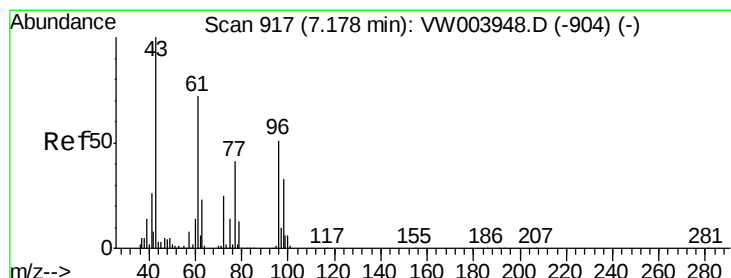
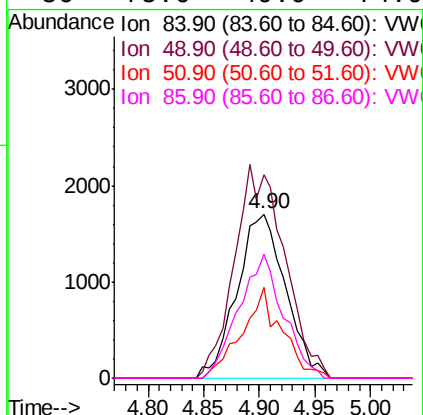
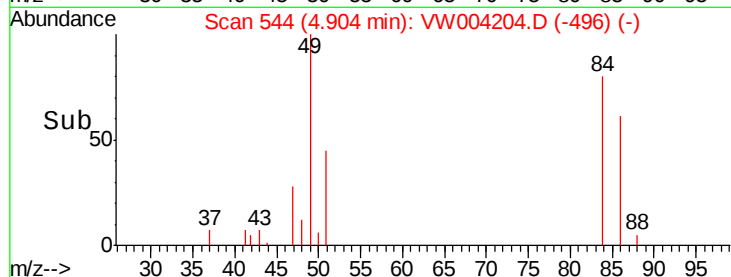
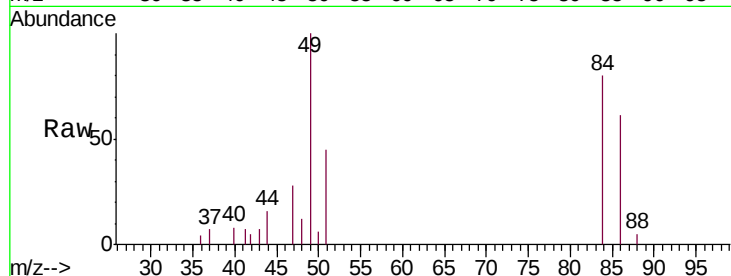




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

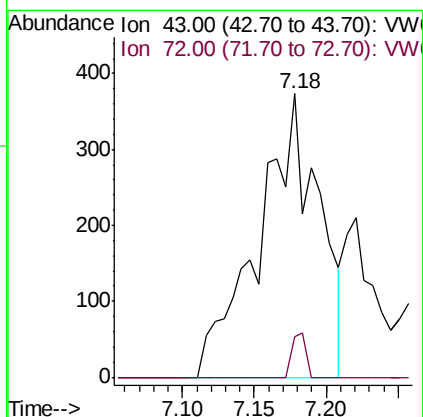
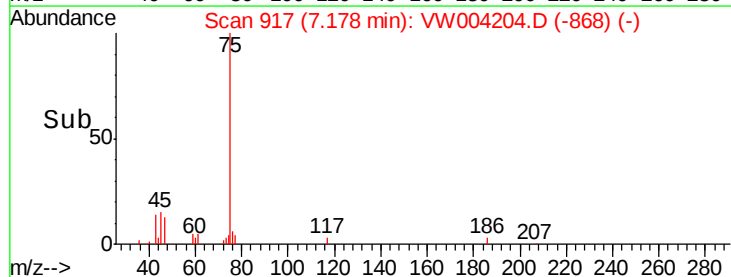
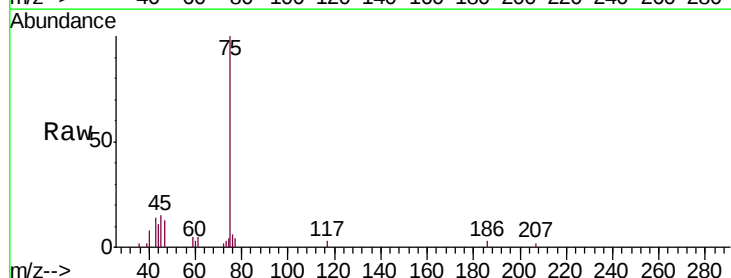
Instrument :
MSVOA_W
ClientSampleId :
GB-SOIL-PILE

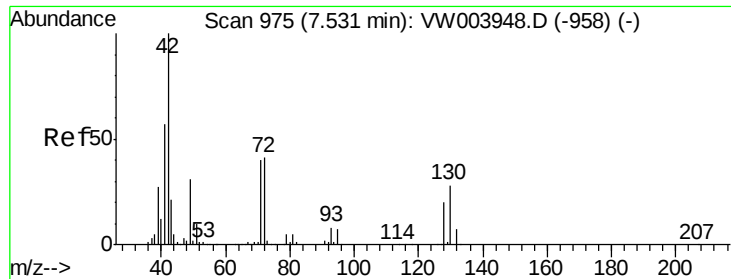
Tgt Ion: 84 Resp: 5188
Ion Ratio Lower Upper
84 100
49 124.5 102.9 154.3
51 55.4 30.9 46.3#
86 75.6 49.9 74.9#



#25
2-Butanone
Concen: 2.950 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
72 14.5 19.8 29.6#

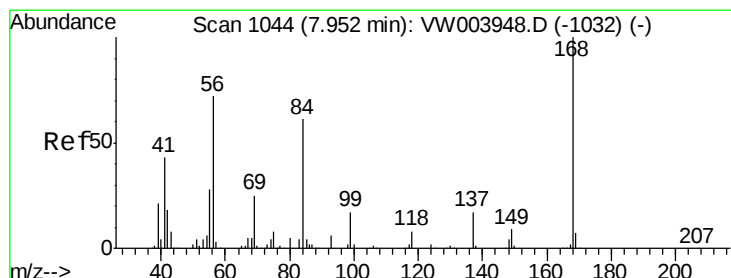
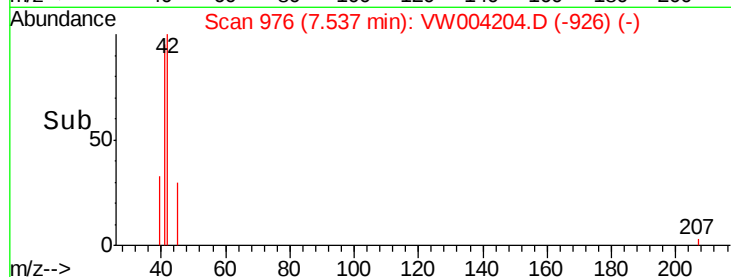
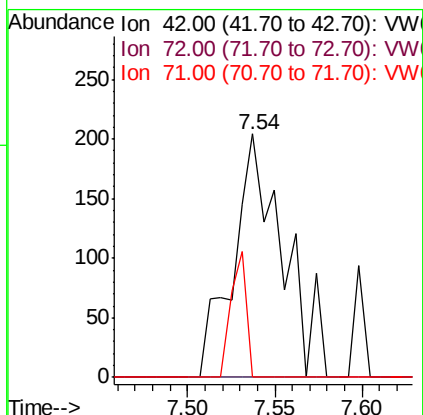
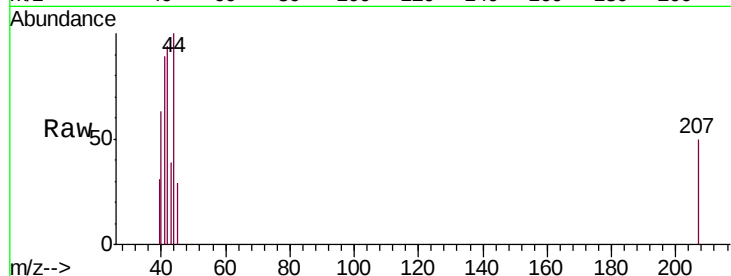




#29
Tetrahydrofuran
Concen: 1.771 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

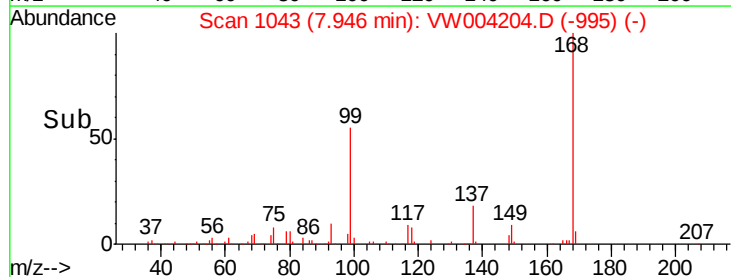
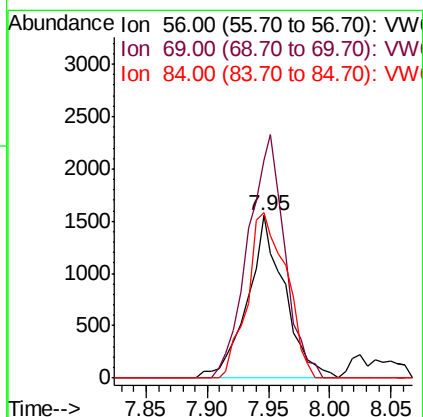
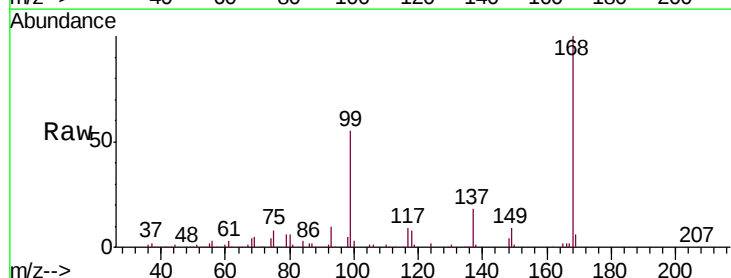
Instrument :
MSVOA_W
ClientSampled :
GB-SOIL-PILE

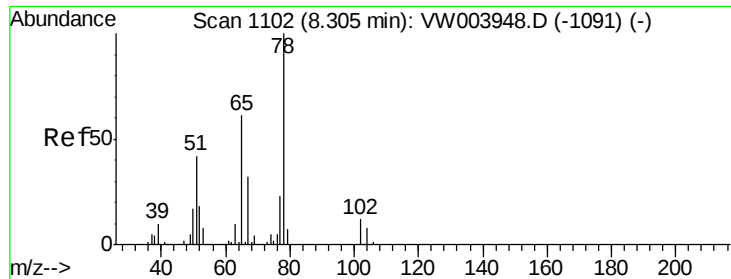
Tgt Ion: 42 Resp: 408
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 15.9 30.5 45.7#



#31
Cyclohexane
Concen: 1.724 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

Tgt Ion: 56 Resp: 3272
Ion Ratio Lower Upper
56 100
69 133.5 27.8 41.8#
84 101.5 67.2 100.8#

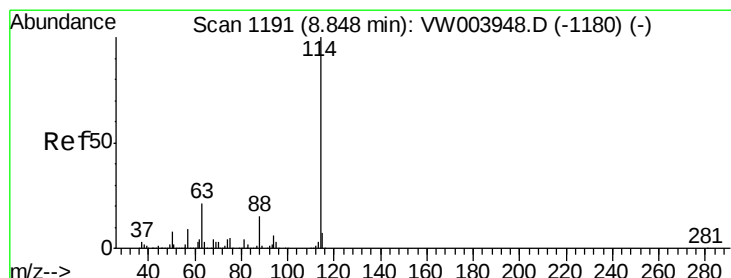
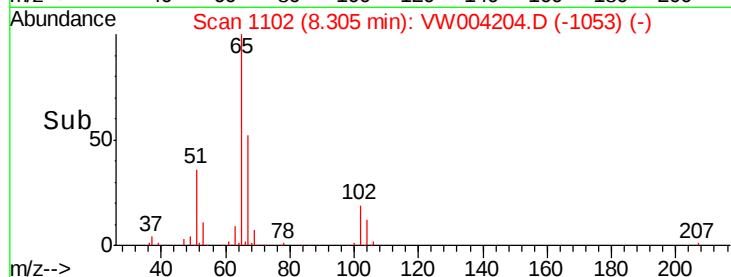
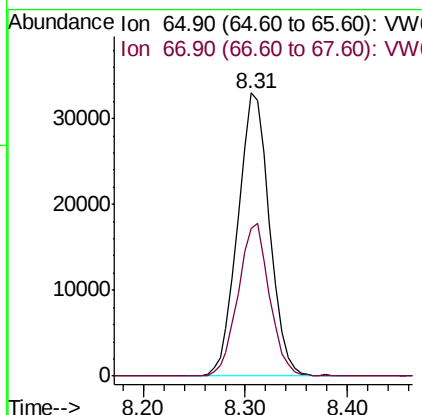
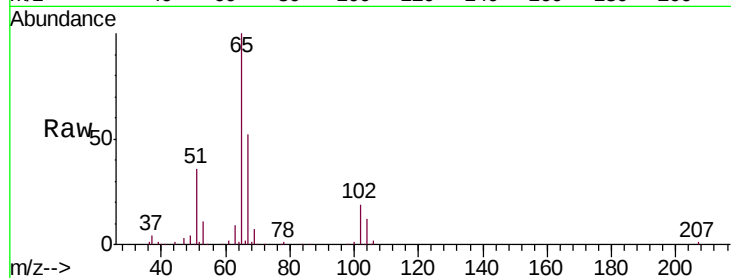




#33
 1,2-Dichloroethane-d4
 Concen: 62.136 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004204.D
 Acq: 25 Jul 2018 20:45

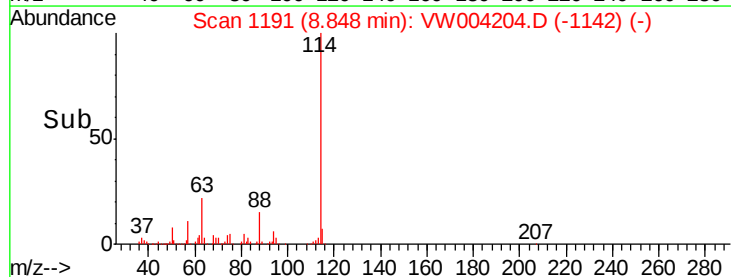
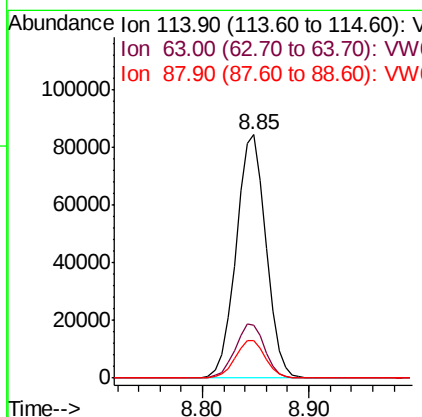
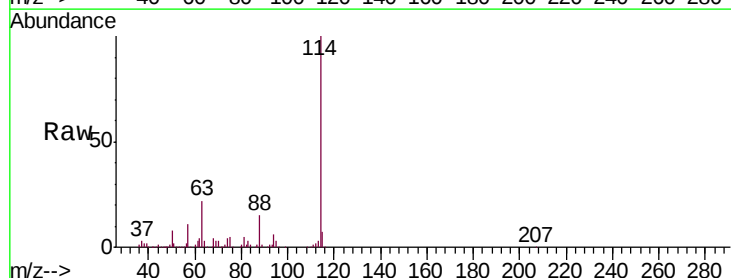
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 MSVOA_W
 ClientSampleId :
 GB-SOIL-PILE

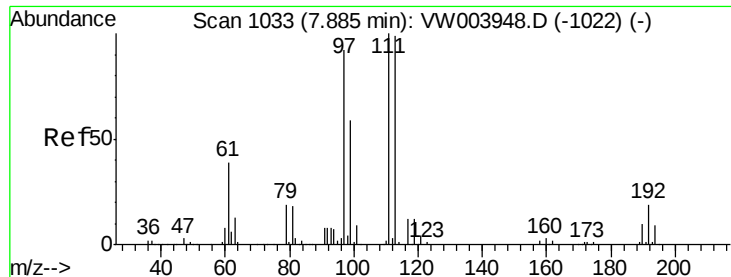
Tgt Ion: 65 Resp: 71073
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004204.D
 Acq: 25 Jul 2018 20:45

Tgt Ion: 114 Resp: 166111
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.8
 88 15.2 0.0 30.4

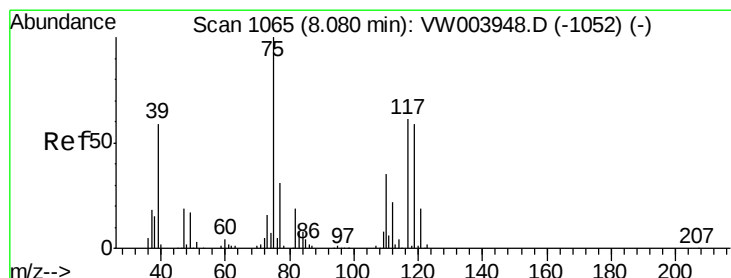
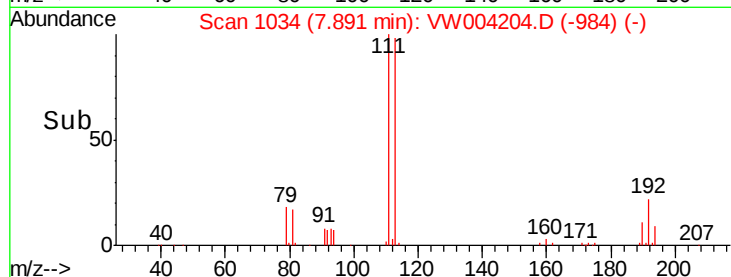
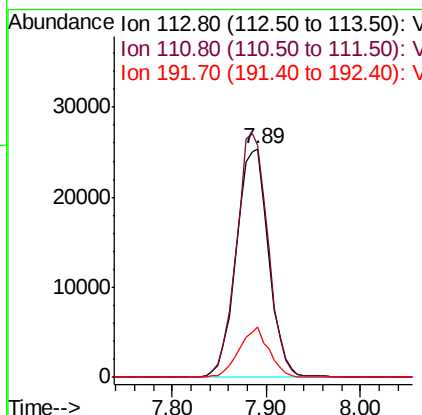
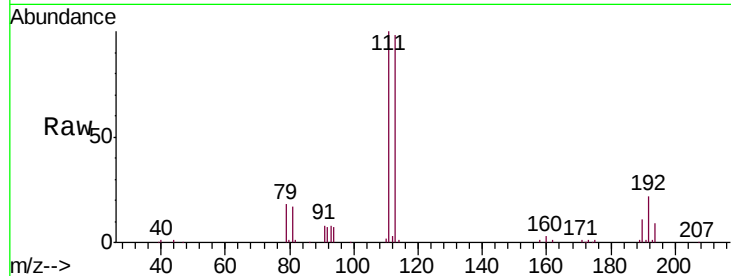




#35
 Dibromofluoromethane
 Concen: 57.067 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004204.D
 Acq: 25 Jul 2018 20:45

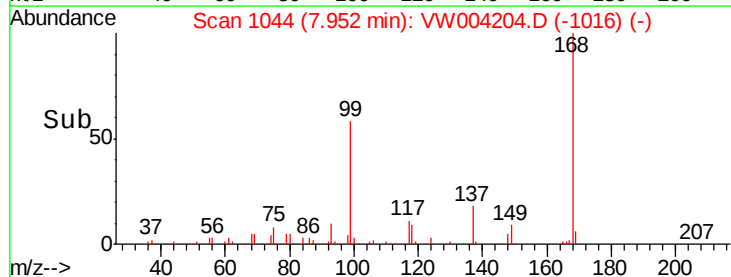
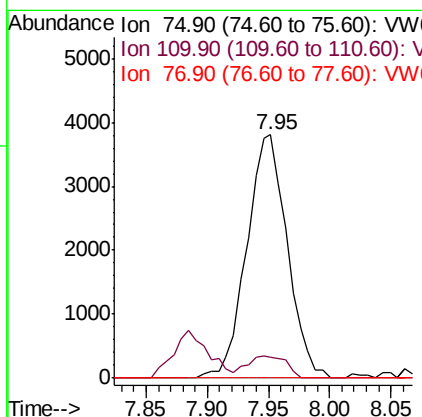
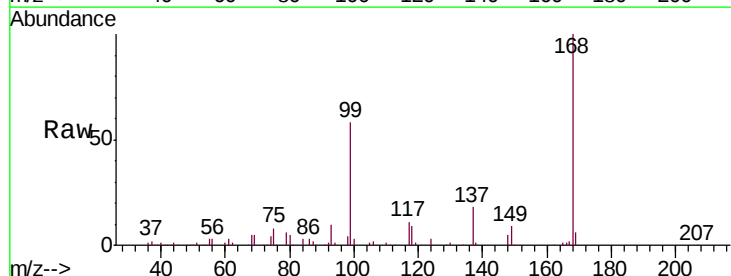
Instrument :
 MSVOA_W
 ClientSampleId :
 GB-SOIL-PILE

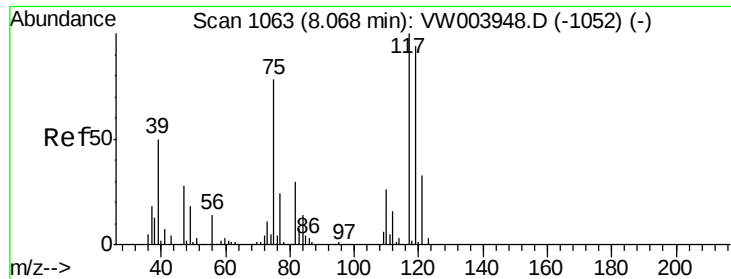
Tgt Ion:113 Resp: 60822
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.3 121.9
 192 20.3 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004204.D
 Acq: 25 Jul 2018 20:45

Tgt Ion: 75 Resp: 8746
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 51.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.407 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

GB-SOIL-PILE

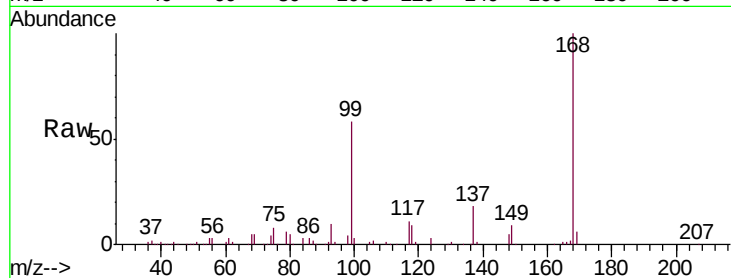
Tgt Ion:117 Resp: 10232

Ion Ratio Lower Upper

117 100

119 6.4 75.3 112.9#

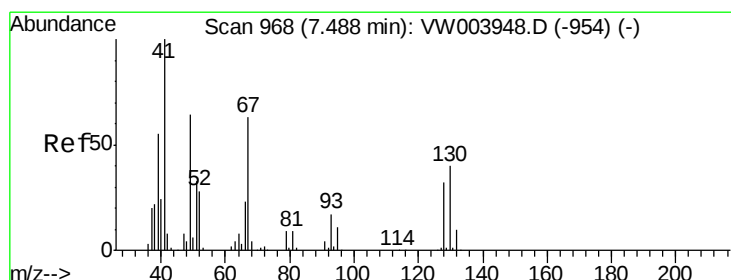
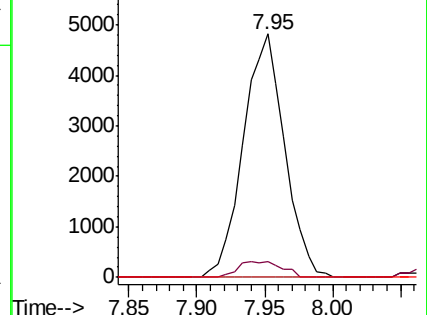
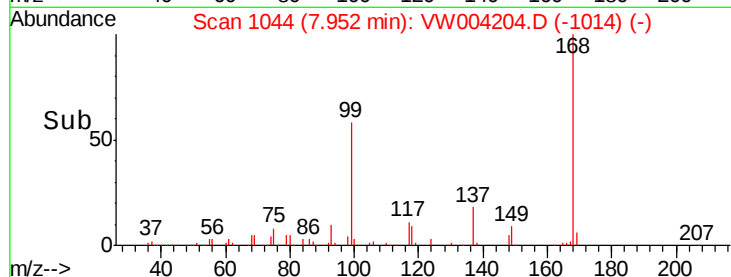
121 0.0 26.0 39.0#



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



#41

Methacrylonitrile

Concen: 1.228 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.05 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Tgt Ion: 41 Resp: 561

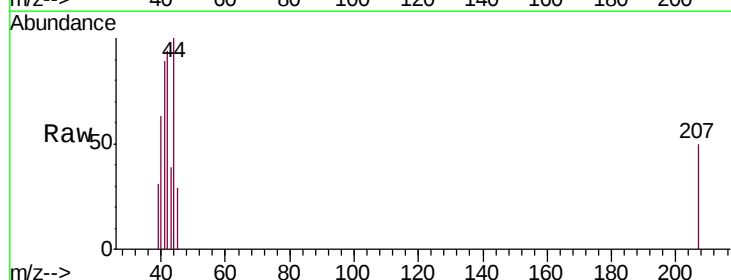
Ion Ratio Lower Upper

41 100

39 26.9 50.0 75.0#

67 0.0 60.8 91.2#

52 0.0 26.2 39.4#

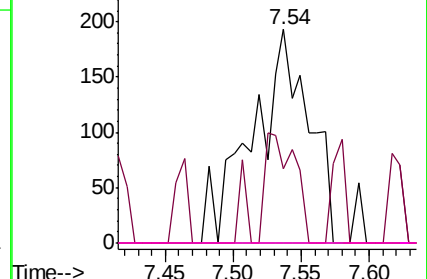
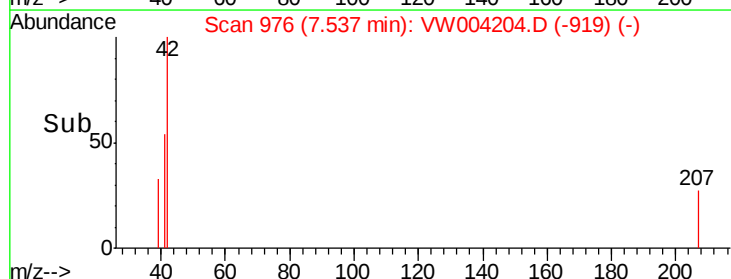


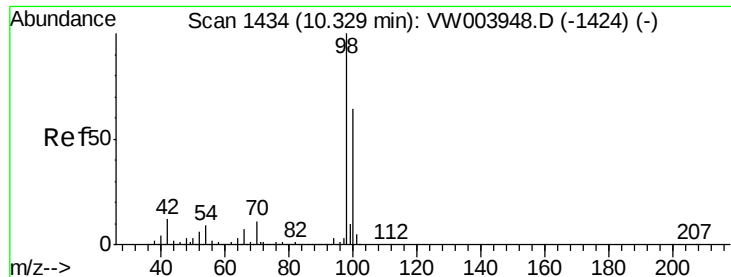
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 48.780 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

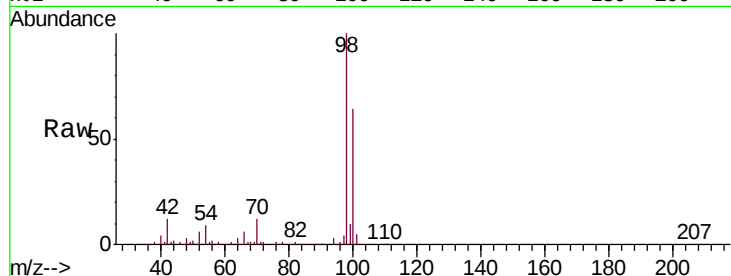
GB-SOIL-PILE

Tgt Ion: 98 Resp: 201733

Ion Ratio Lower Upper

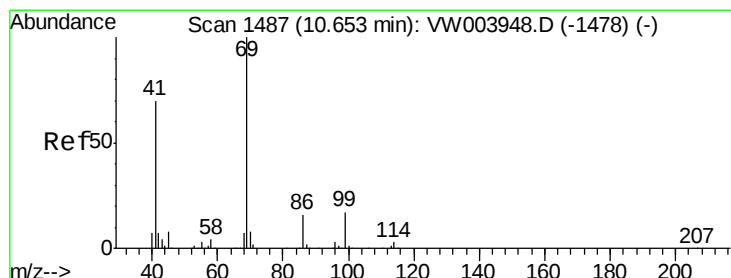
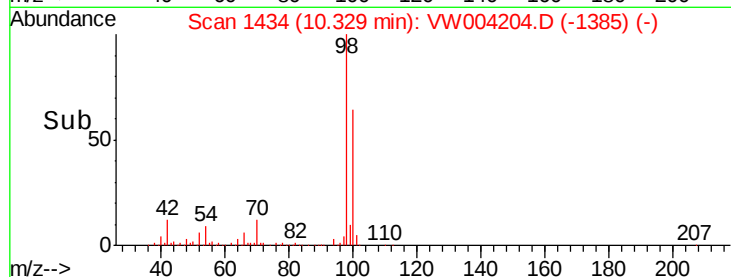
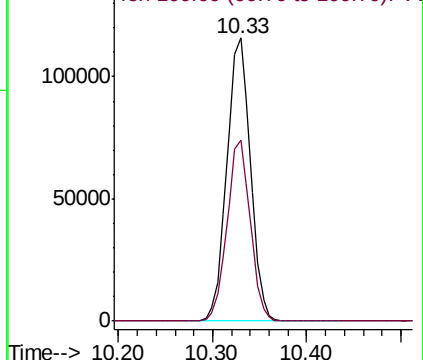
98 100

100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 3.459 ug/l

RT: 10.66 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

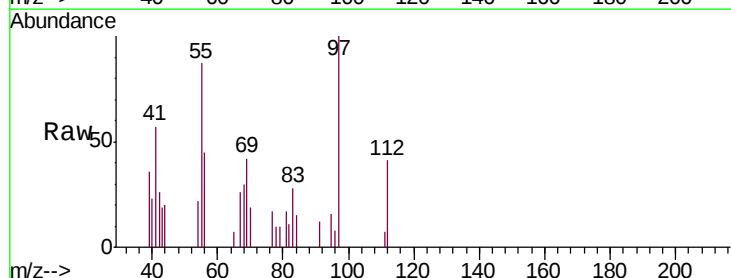
Tgt Ion: 69 Resp: 689

Ion Ratio Lower Upper

69 100

41 184.2 56.5 84.7#

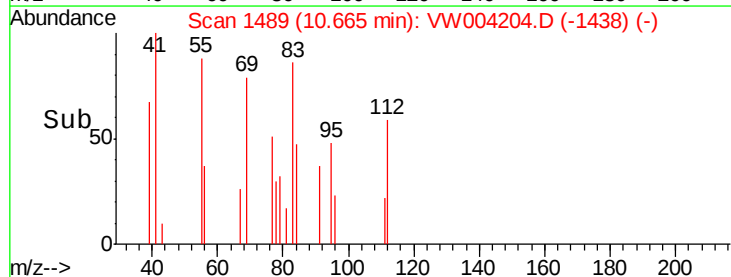
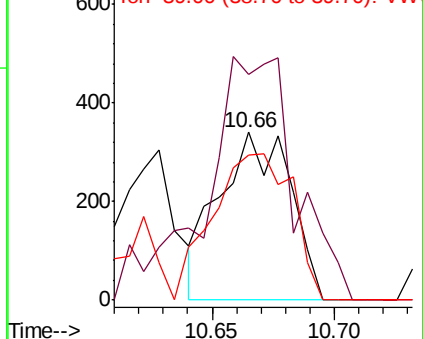
39 98.7 30.2 45.4#

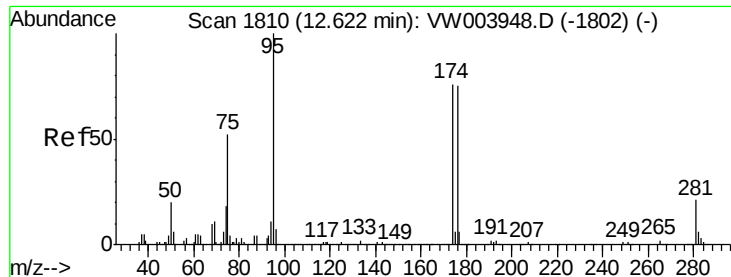


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

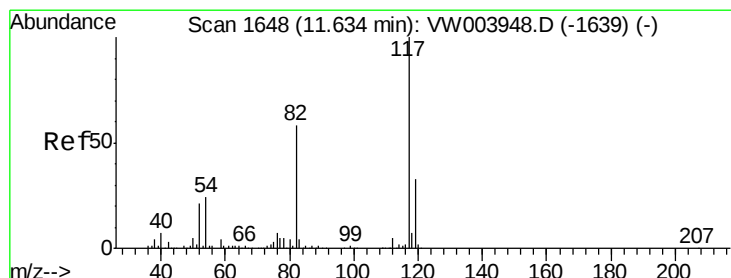
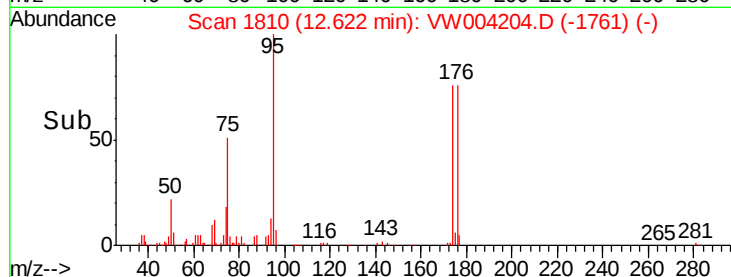
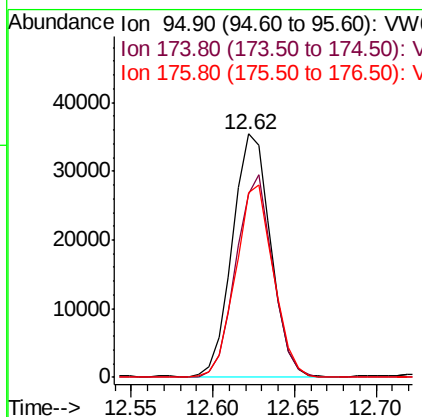
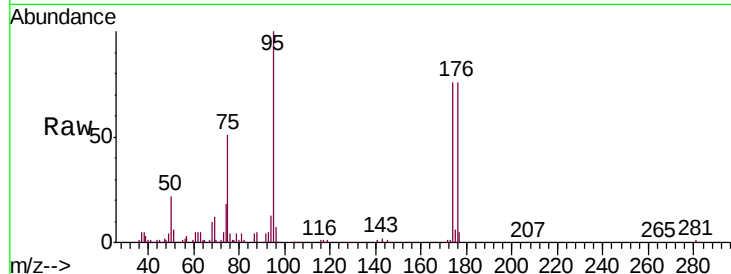




#62
4-Bromofluorobenzene
Concen: 38.920 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

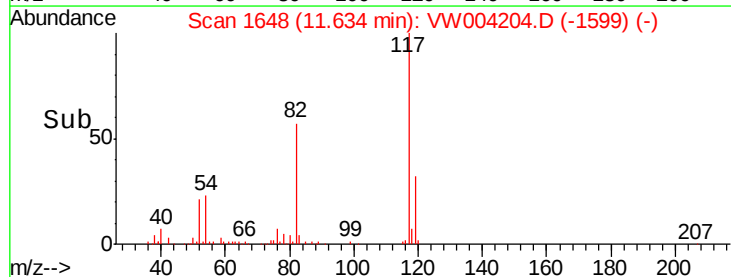
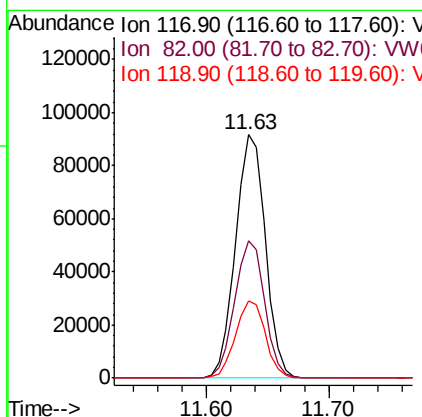
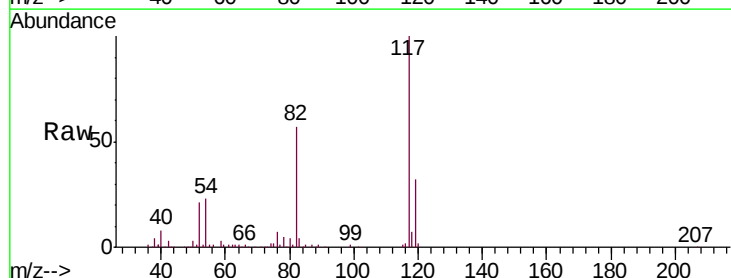
Instrument :
MSVOA_W
ClientSampleId :
GB-SOIL-PILE

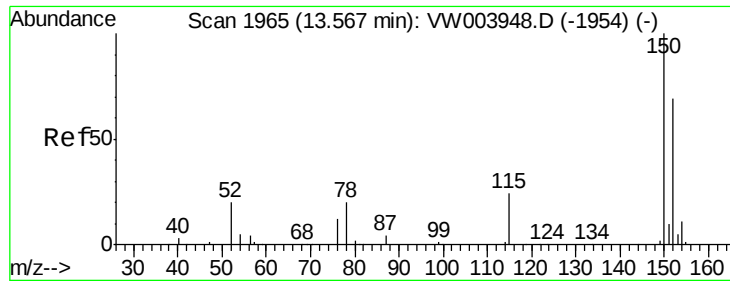
Tgt Ion: 95 Resp: 58042
Ion Ratio Lower Upper
95 100
174 80.0 0.0 160.2
176 78.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

Tgt Ion: 117 Resp: 154891
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004204.D

Acq: 25 Jul 2018 20:45

Instrument :

MSVOA_W

ClientSampleId :

GB-SOIL-PILE

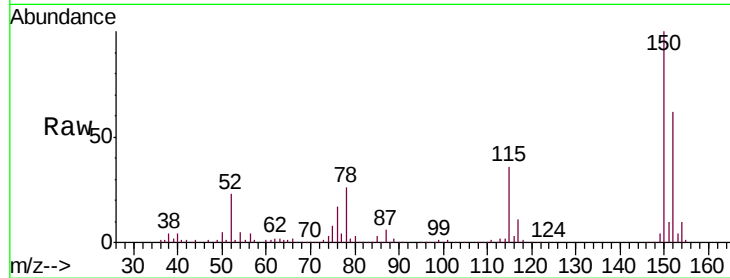
Tgt Ion:152 Resp: 63347

Ion Ratio Lower Upper

152 100

115 58.8 29.2 87.6

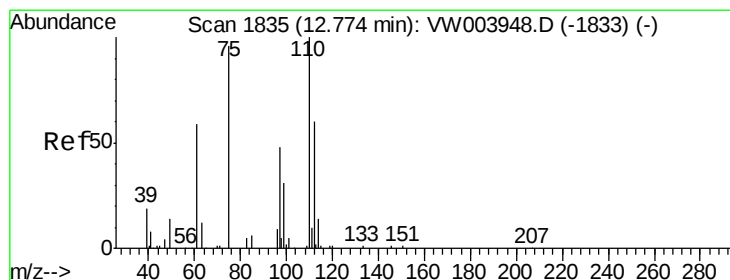
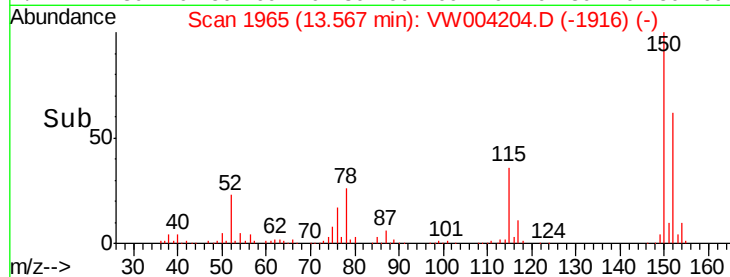
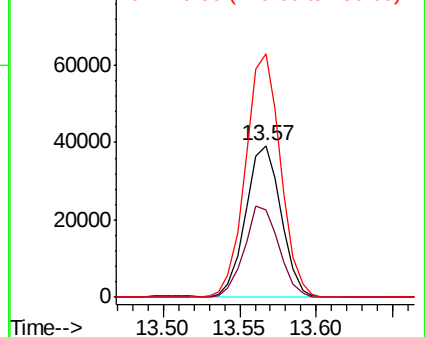
150 158.1 0.0 345.2



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: 47.498 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004204.D

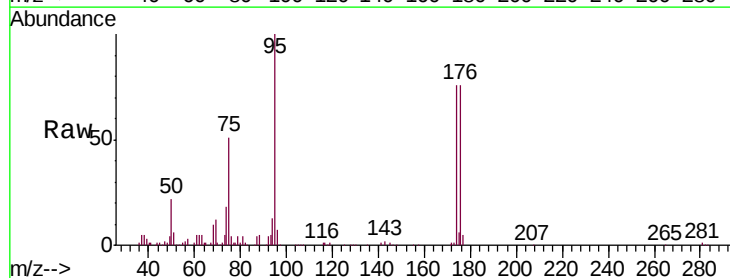
Acq: 25 Jul 2018 20:45

Tgt Ion: 75 Resp: 29871

Ion Ratio Lower Upper

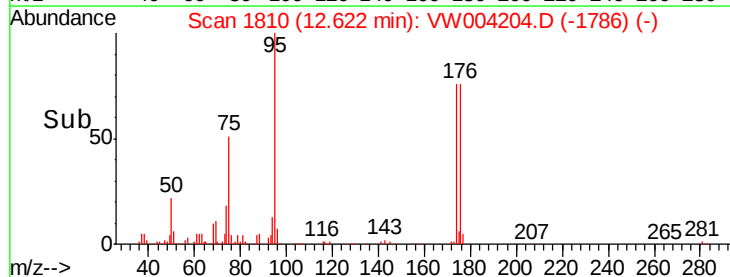
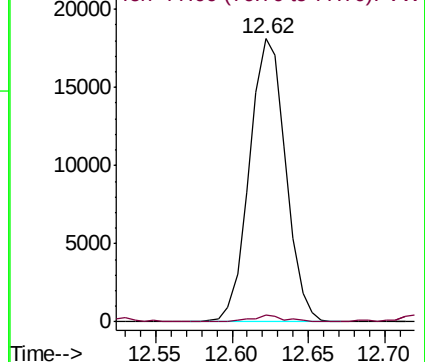
75 100

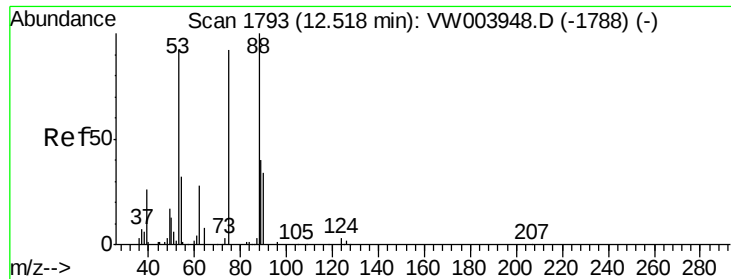
77 2.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

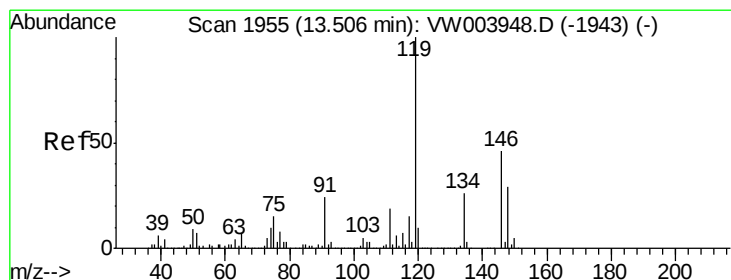
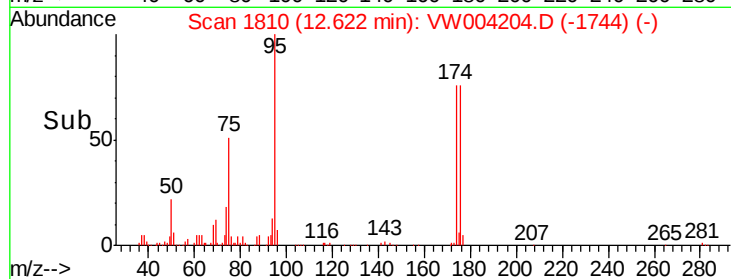
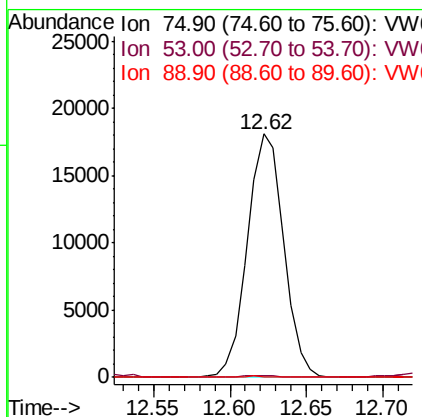
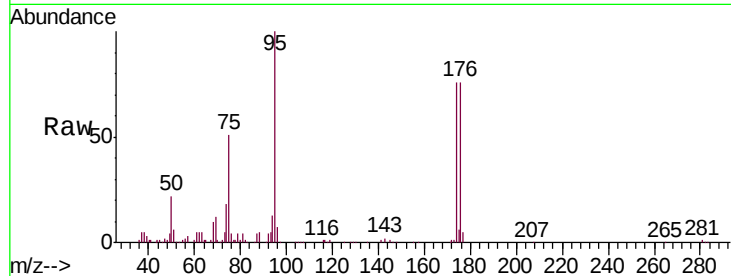




#81
trans-1,4-Dichloro-2-butene
Concen: 105.064 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

Instrument :
MSVOA_W
ClientSampleId :
GB-SOIL-PILE

Tgt Ion: 75 Resp: 29871
Ion Ratio Lower Upper
75 100
53 0.6 77.6 116.4#
89 0.2 36.6 54.8#



#86
p-Isopropyltoluene
Concen: 2.241 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW004204.D
Acq: 25 Jul 2018 20:45

Tgt Ion: 119 Resp: 9223
Ion Ratio Lower Upper
119 100
134 25.7 13.0 38.9
91 27.8 11.8 35.3

