

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010025.D
 Acq On : 17 Apr 2019 19:24
 Operator : SY/VA
 Sample : K2435-02RE
 Misc : 5.06G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BWM-S2-SOIL-PILERE

Quant Time: Apr 18 02:47:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

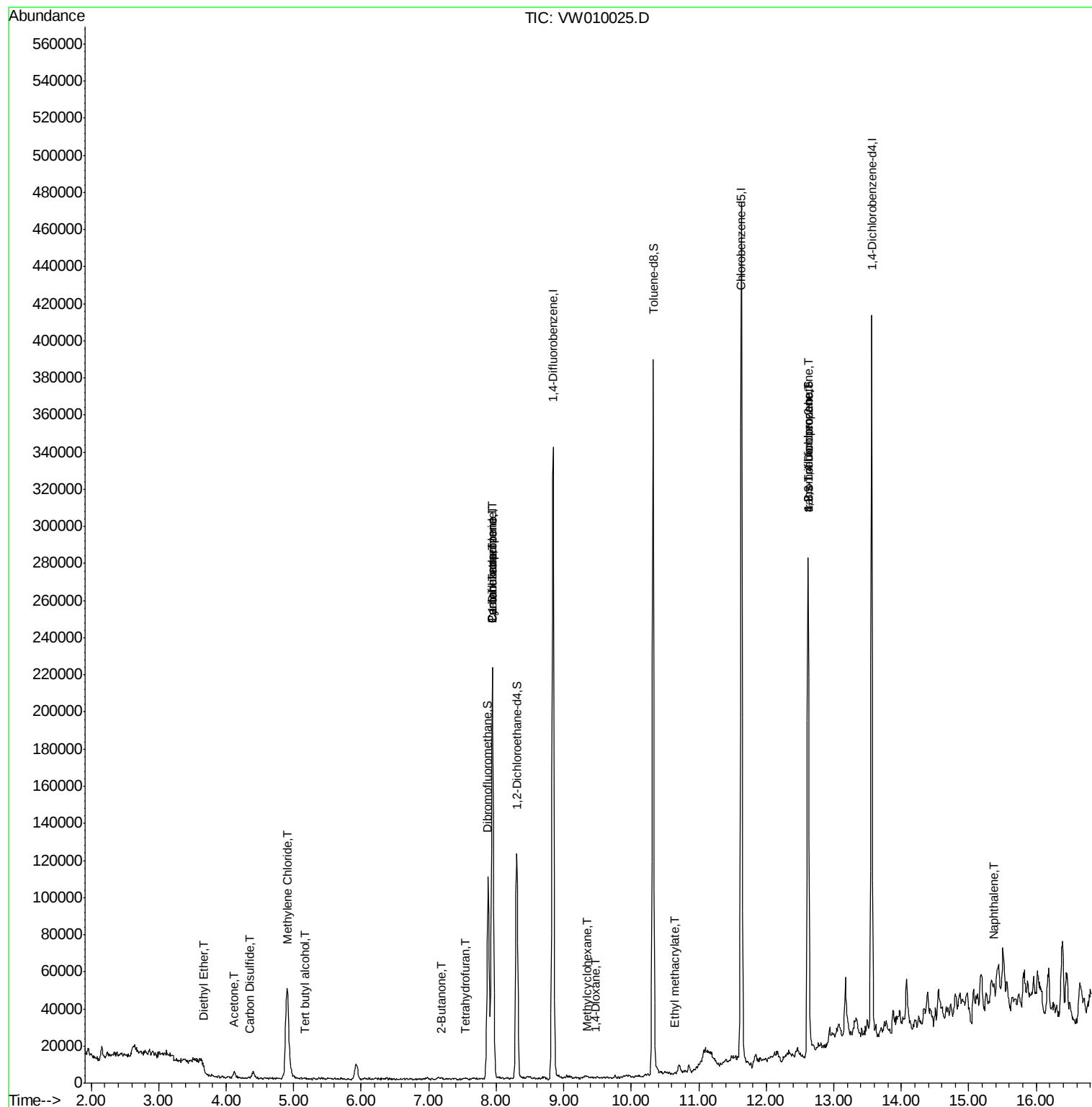
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	154469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	260971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	245301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	92416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	97663	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	7.88	113	74915	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
50) Toluene-d8	10.32	98	236275	38.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.00%	
62) 4-Bromofluorobenzene	12.62	95	81942	36.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.52%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1006	1.278	ug/l #	39
11) Tert butyl alcohol	5.17	59	193	1.777	ug/l #	63
16) Acetone	4.12	43	6066	13.715	ug/l	94
17) Carbon Disulfide	4.35	76	174	1.376	ug/l #	74
20) Methylene Chloride	4.90	84	37807	19.345	ug/l	96
25) 2-Butanone	7.18	43	595	1.024	ug/l #	72
29) Tetrahydrofuran	7.55	42	384	1.043	ug/l #	42
31) Cyclohexane	7.94	56	4563	1.480	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	14241	5.342	ug/l #	52
38) Carbon Tetrachloride	7.95	117	16939	6.511	ug/l #	16
39) Methylcyclohexane	9.34	83	277	1.281	ug/l #	26
49) 1,4-Dioxane	9.48	88	26	1.714	ug/l #	1
56) Ethyl methacrylate	10.64	69	192	2.736	ug/l #	78
76) 1,2,3-Trichloropropane	12.62	75	45890	49.614	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	45890	116.987	ug/l #	6
95) Naphthalene	15.37	128	5964	4.248	ug/l #	85

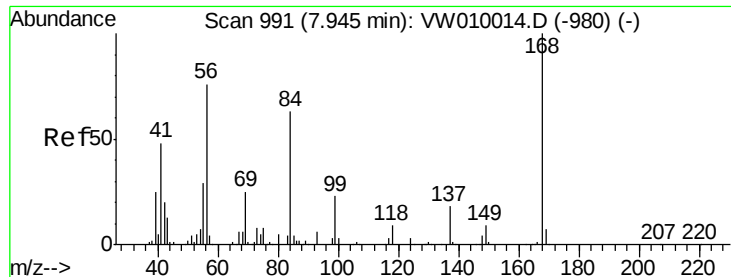
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
Data File : VW010025.D
Acq On : 17 Apr 2019 19:24
Operator : SY/VA
Sample : K2435-02RE
Misc : 5.06G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BWM-S2-SOIL-PILERE

Quant Time: Apr 18 02:47:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

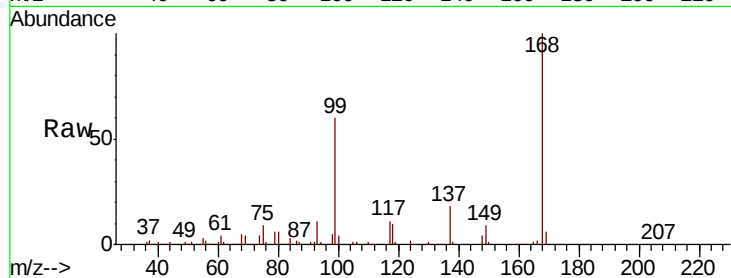
BWM-S2-SOIL-PILERE

Tgt Ion:168 Resp: 154469

Ion Ratio Lower Upper

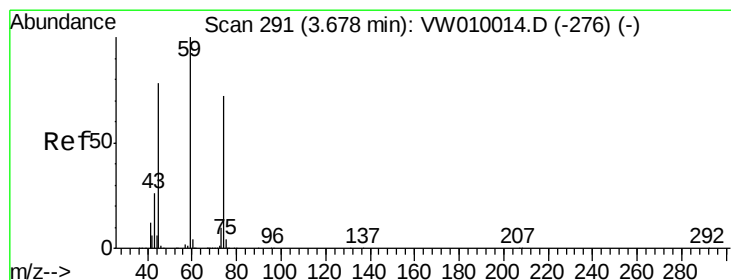
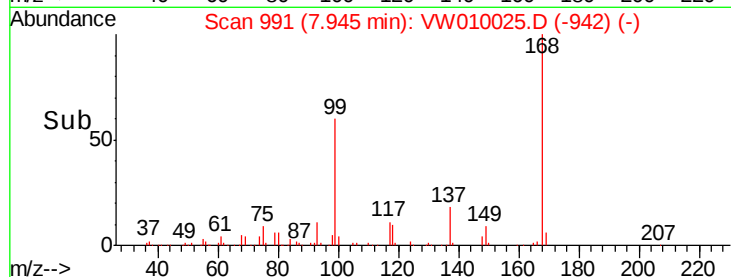
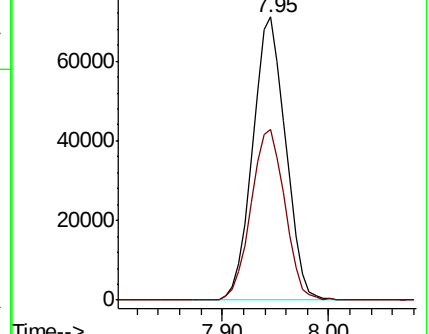
168 100

99 60.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.278 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW010025.D

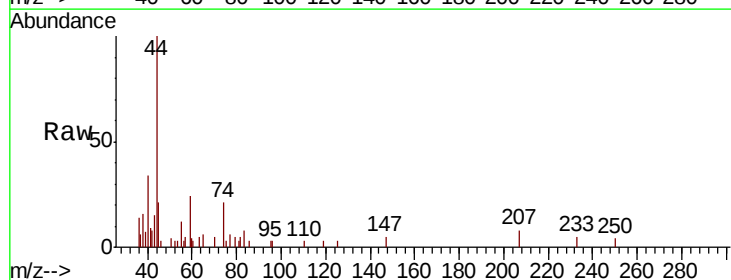
Acq: 17 Apr 2019 19:24

Tgt Ion: 74 Resp: 1006

Ion Ratio Lower Upper

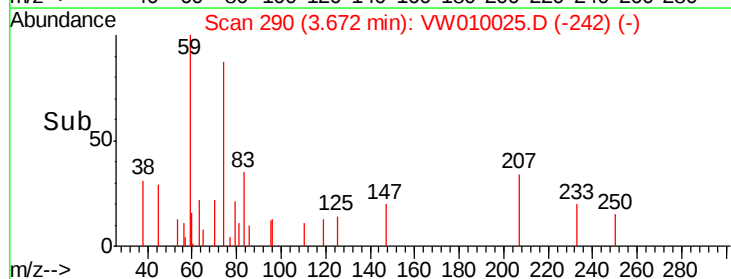
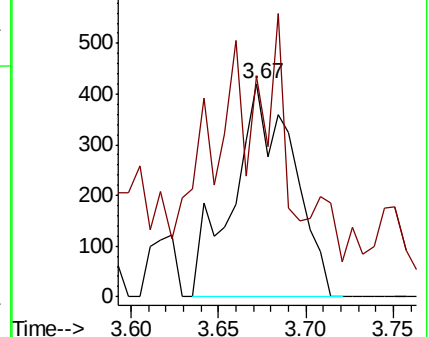
74 100

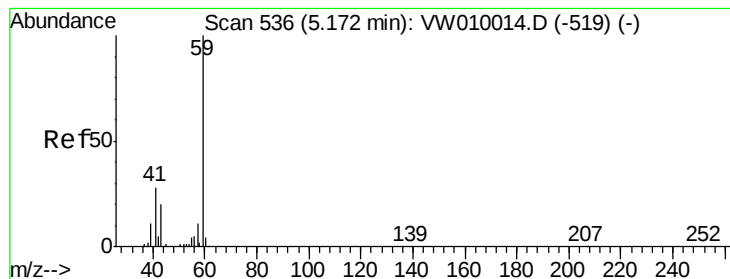
45 46.8 56.0 168.0#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.777 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

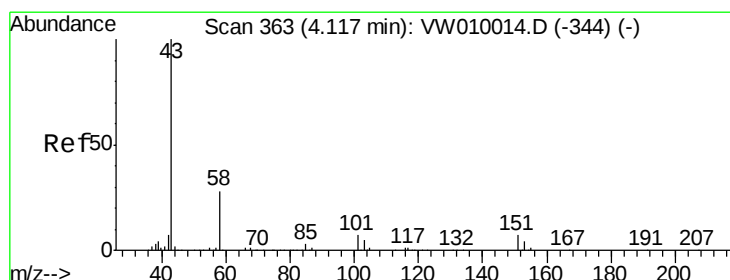
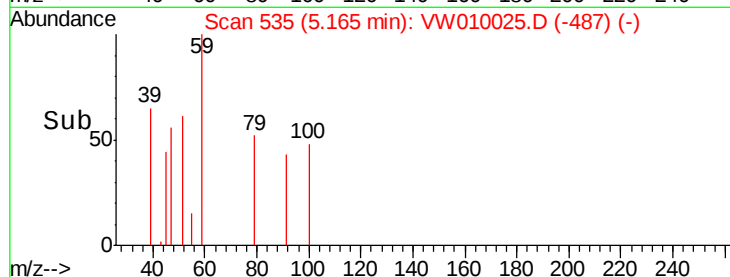
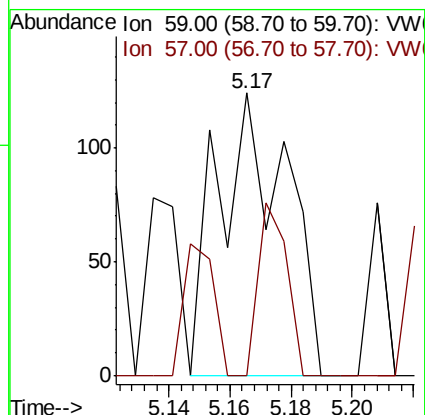
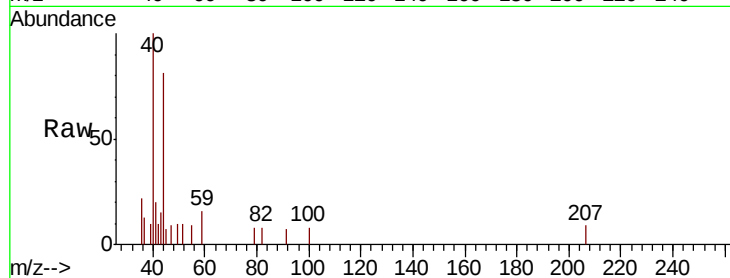
BWM-S2-SOIL-PILERE

Tgt Ion: 59 Resp: 193

Ion Ratio Lower Upper

59 100

57 25.4 9.0 13.4#



#16

Acetone

Concen: 13.715 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010025.D

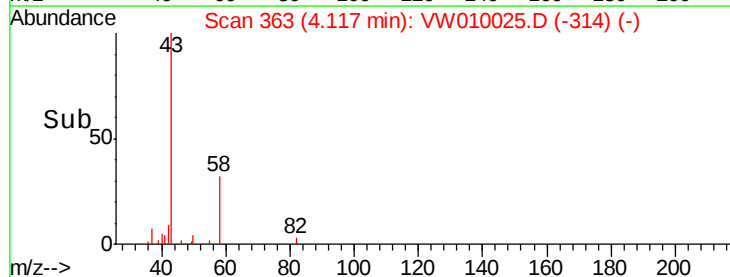
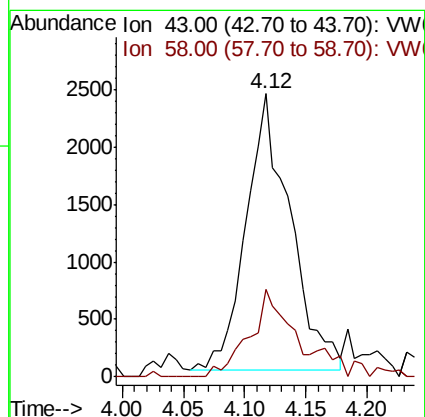
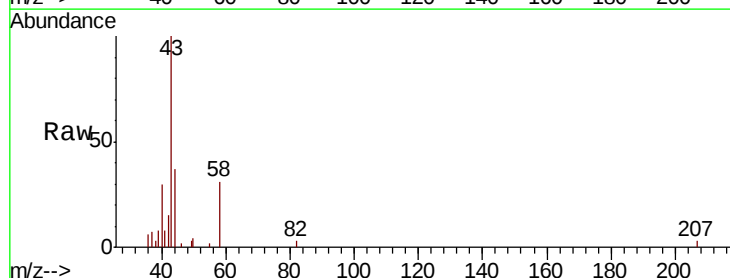
Acq: 17 Apr 2019 19:24

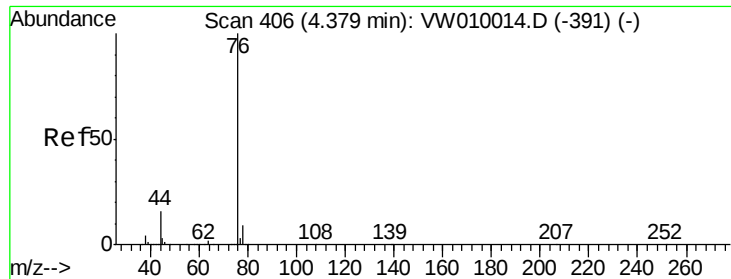
Tgt Ion: 43 Resp: 6066

Ion Ratio Lower Upper

43 100

58 31.7 22.7 34.1





#17

Carbon Disulfide

Concen: 1.376 ug/l

RT: 4.35 min Scan# 401

Delta R.T. -0.03 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

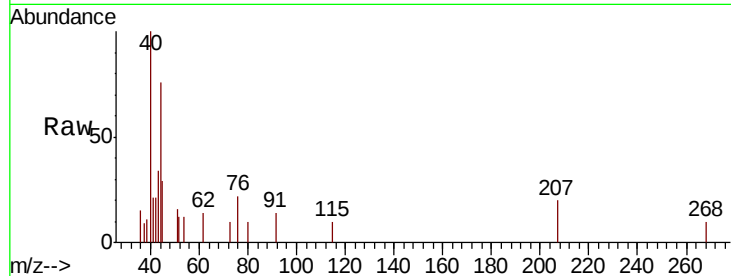
BWM-S2-SOIL-PILERE

Tgt Ion: 76 Resp: 174

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.35

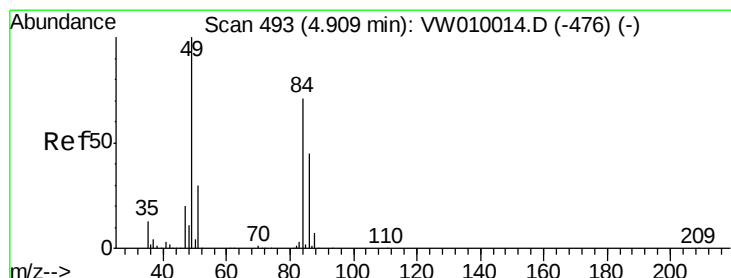
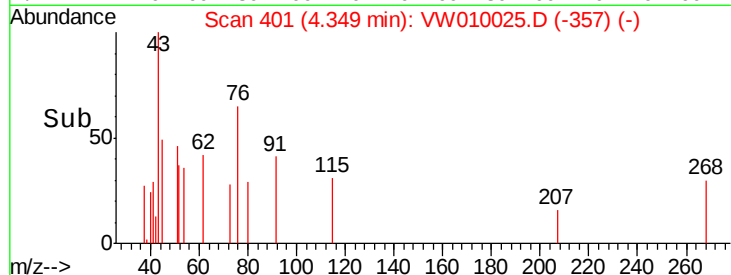
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 19.345 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Tgt Ion: 84 Resp: 37807

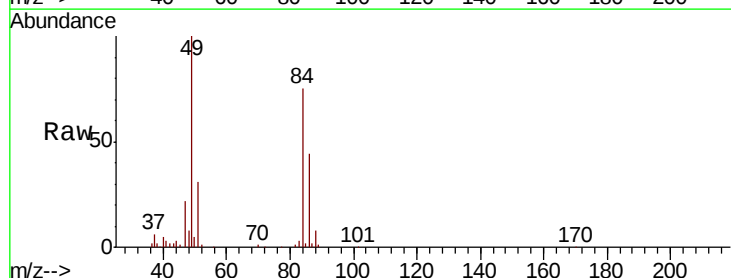
Ion Ratio Lower Upper

84 100

49 134.2 112.3 168.5

51 41.8 33.9 50.9

86 58.9 50.2 75.4



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

25000

20000

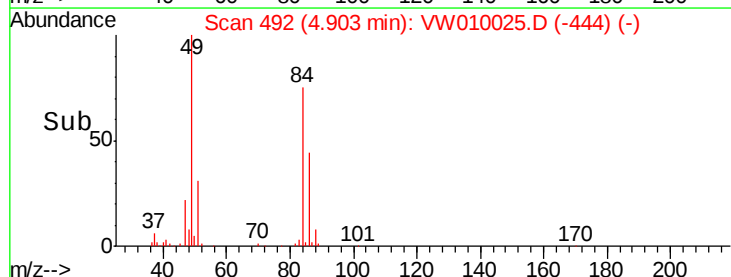
15000

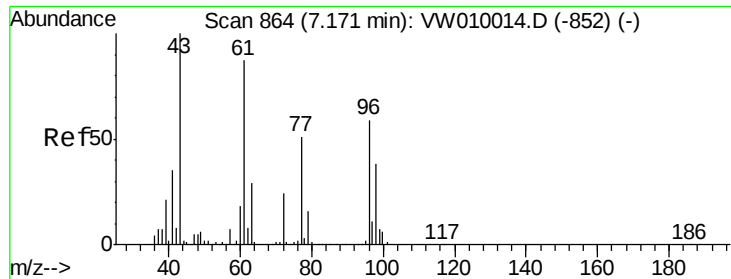
10000

5000

0

Time-->





#25

2-Butanone

Concen: 1.024 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

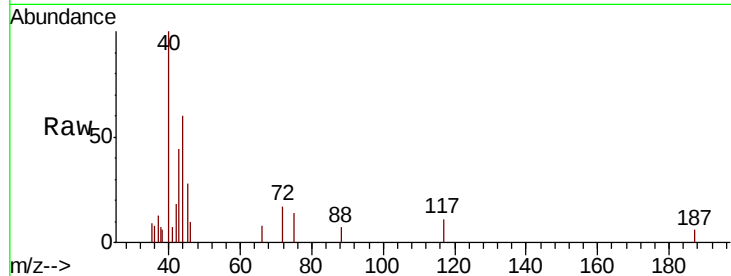
BWM-S2-SOIL-PILERE

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

43 100

72 37.8 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

400

300

200

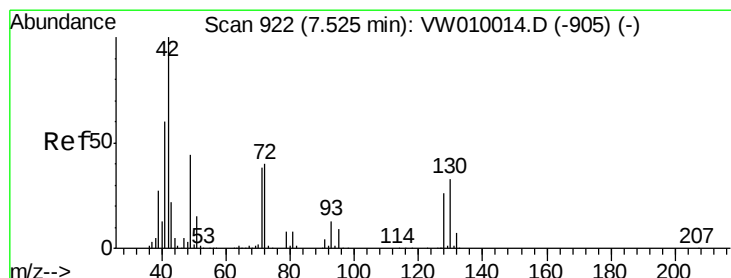
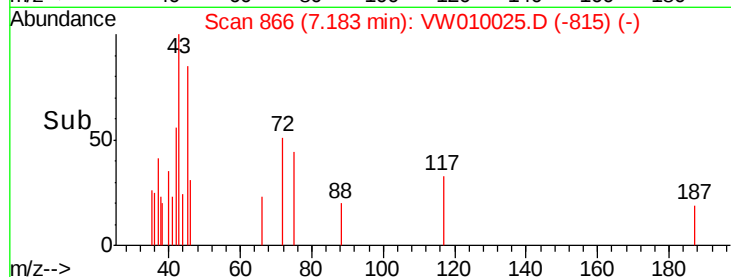
100

0

7.15

7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.043 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

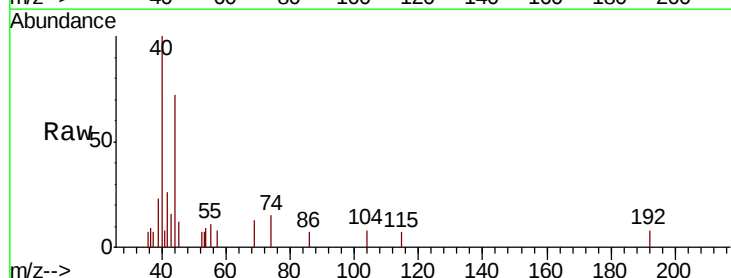
Tgt Ion: 42 Resp: 384

Ion Ratio Lower Upper

42 100

72 6.3 31.0 46.6#

71 0.0 29.7 44.5#



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

250

200

150

100

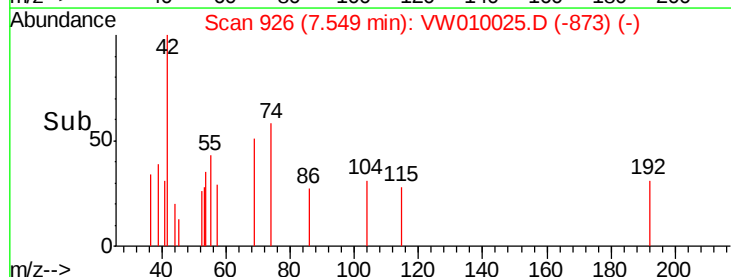
50

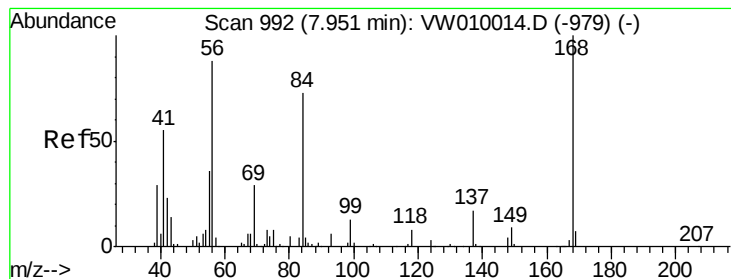
0

7.50

7.55

Time-->





#31

Cyclohexane

Concen: 1.480 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

BWM-S2-SOIL-PILERE

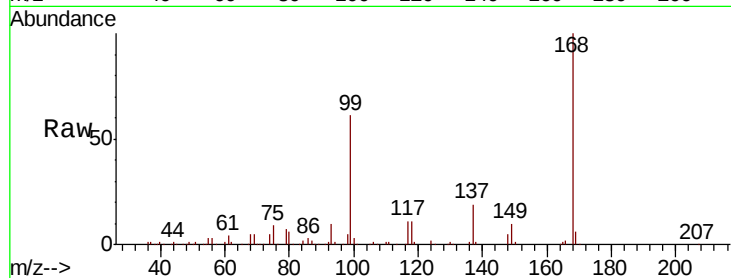
Tgt Ion: 56 Resp: 4563

Ion Ratio Lower Upper

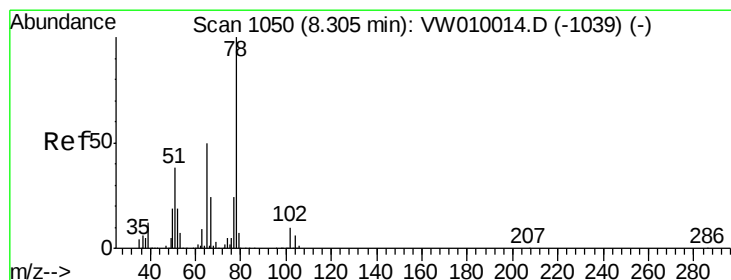
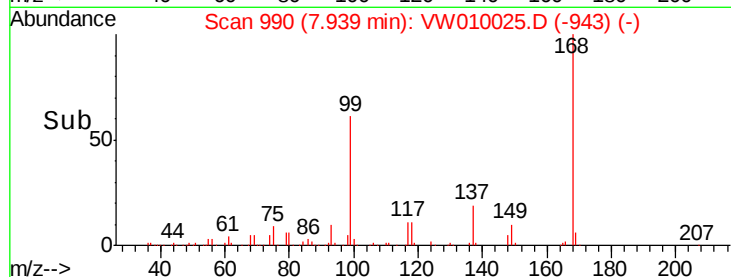
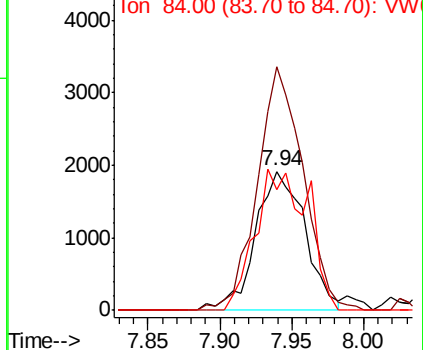
56 100

69 175.3 26.6 40.0#

84 87.1 66.2 99.2



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: 51.234 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010025.D

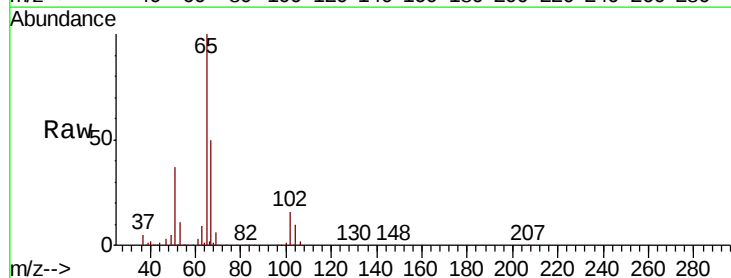
Acq: 17 Apr 2019 19:24

Tgt Ion: 65 Resp: 97663

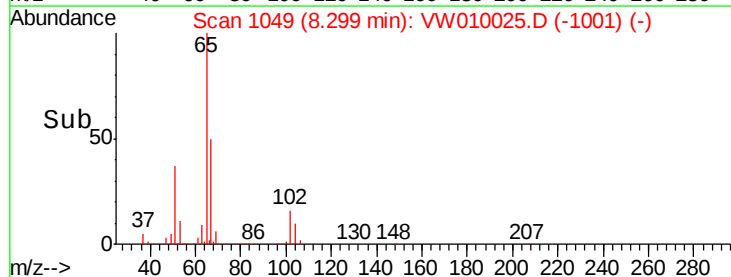
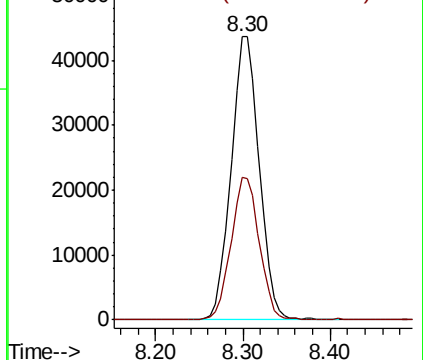
Ion Ratio Lower Upper

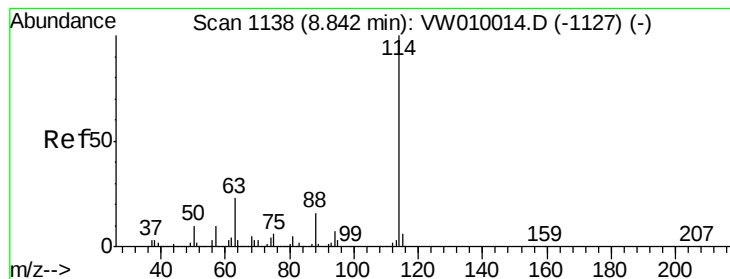
65 100

67 50.7 0.0 100.8



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: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

BWM-S2-SOIL-PILERE

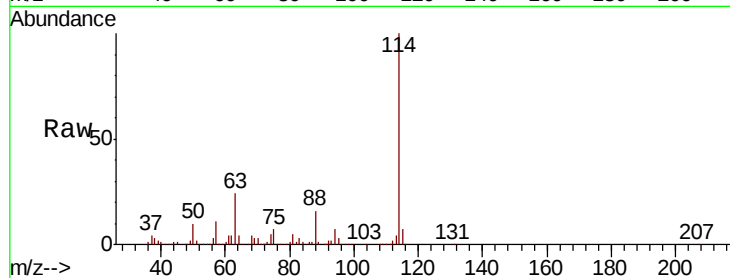
Tgt Ion:114 Resp: 260971

Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.2

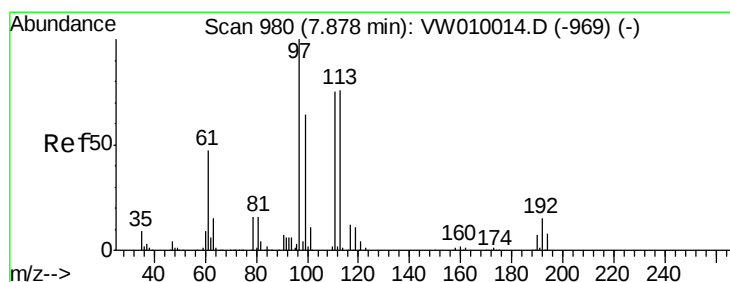
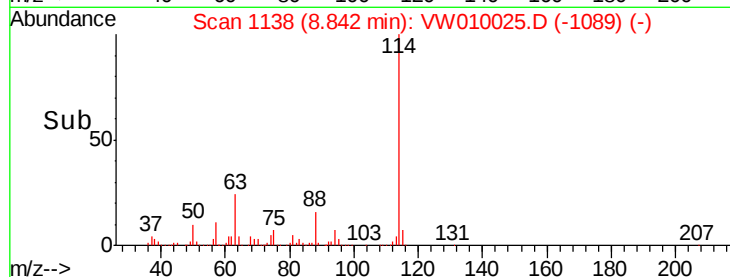
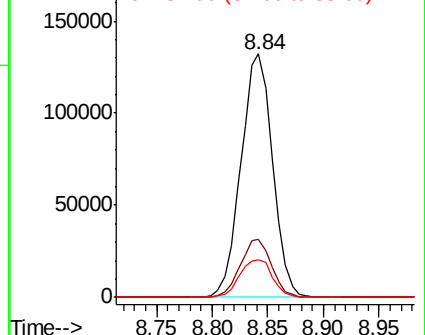
88 15.6 0.0 32.6



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: 45.152 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

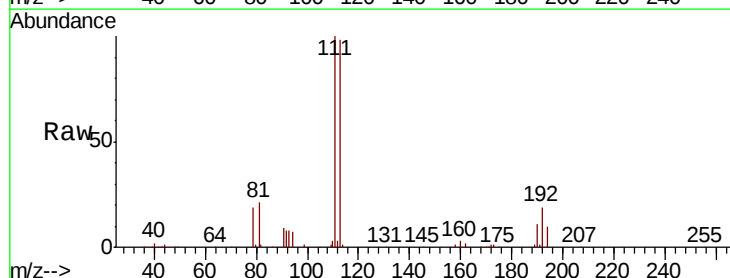
Tgt Ion:113 Resp: 74915

Ion Ratio Lower Upper

113 100

111 105.4 82.6 123.8

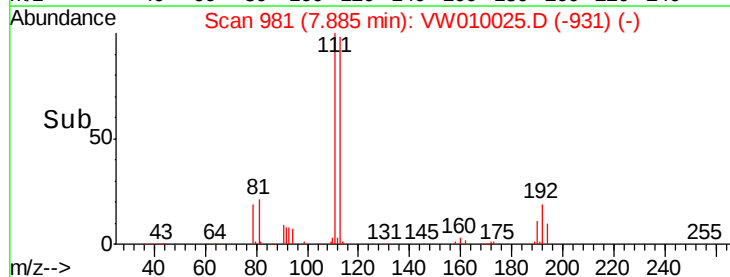
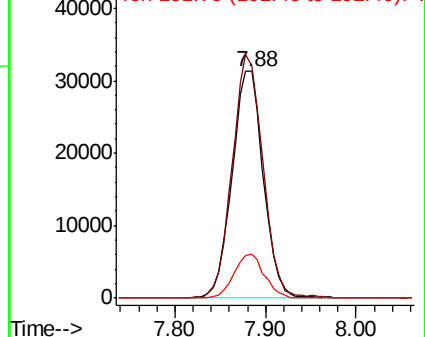
192 18.9 15.4 23.2

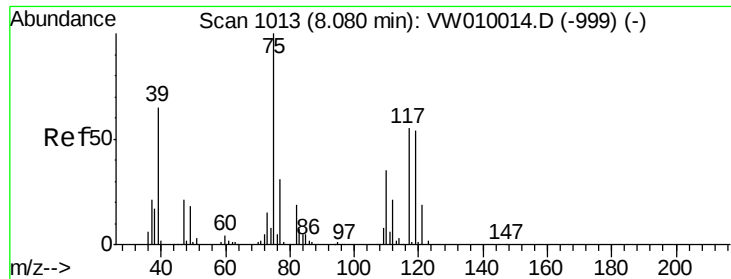


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

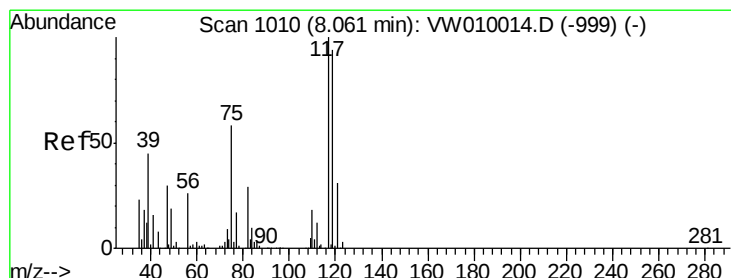
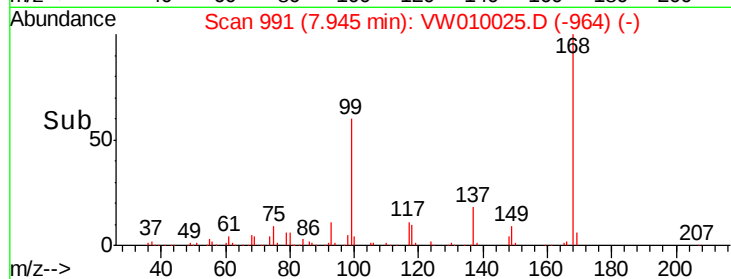
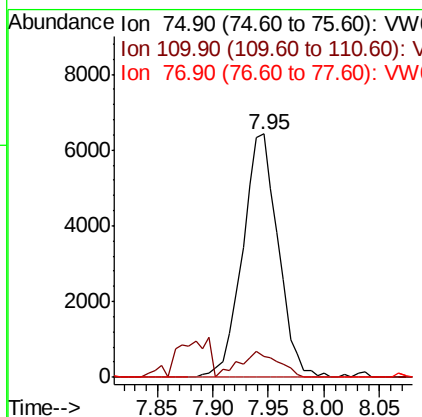
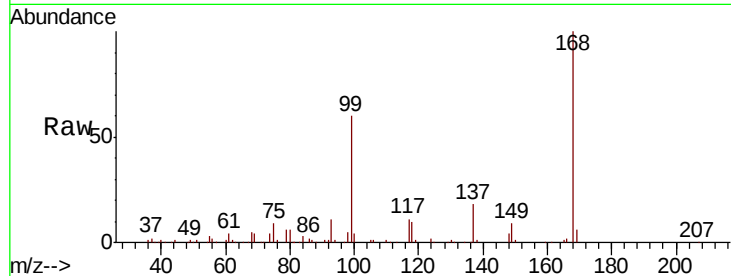




#36
 1,1-Dichloropropene
 Concen: 5.342 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010025.D
 Acq: 17 Apr 2019 19:24

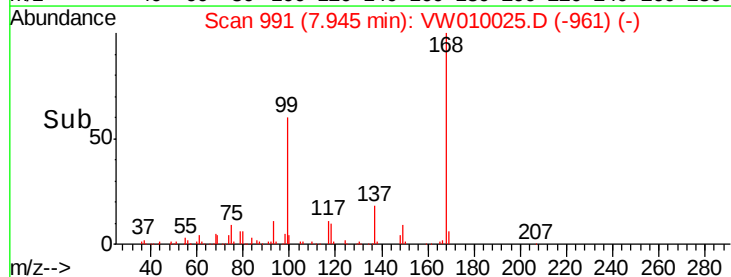
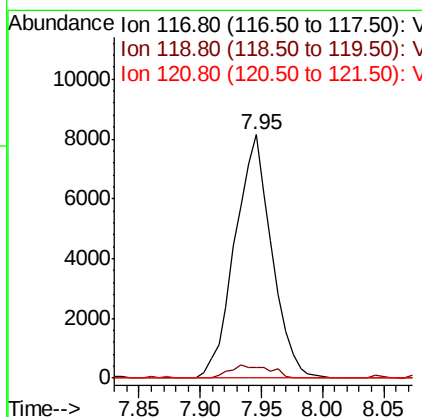
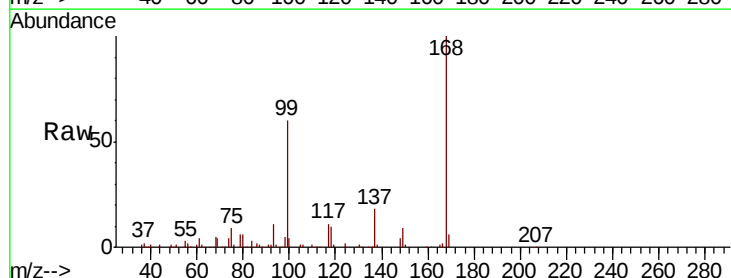
Instrument :
 MSVOA_W
 ClientSampleId :
 BWM-S2-SOIL-PILERE

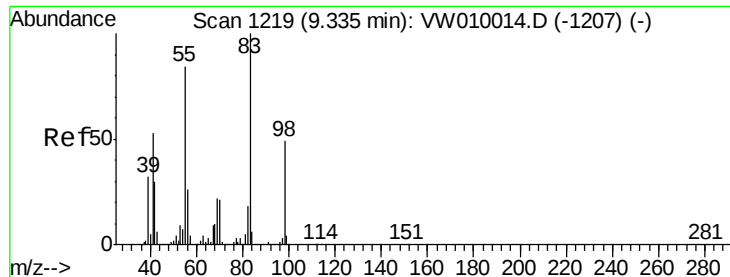
Tgt Ion: 75 Resp: 14241
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.6 49.8#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.511 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010025.D
 Acq: 17 Apr 2019 19:24

Tgt Ion: 117 Resp: 16939
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.3 112.9#
 121 0.0 24.4 36.6#

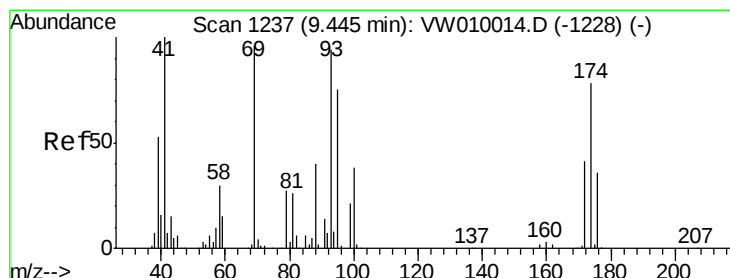
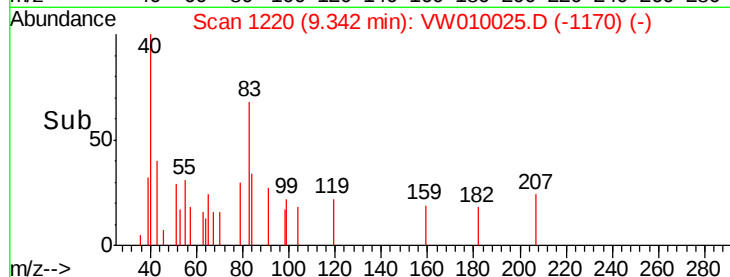
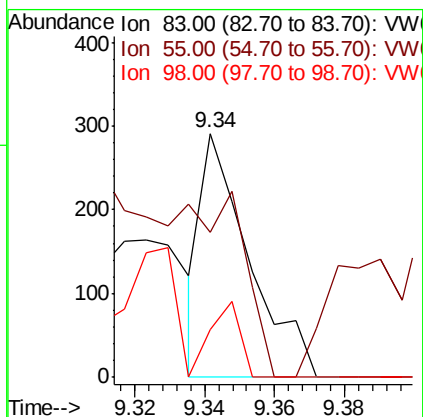
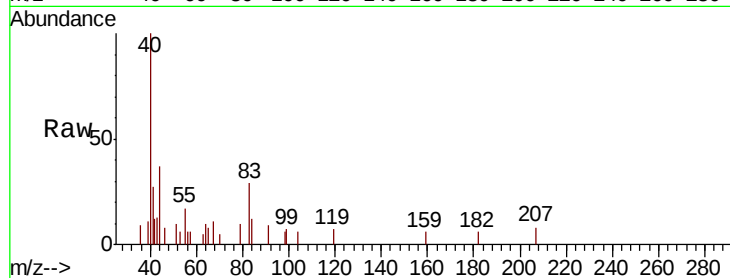




#39
Methylcyclohexane
Concen: 1.281 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

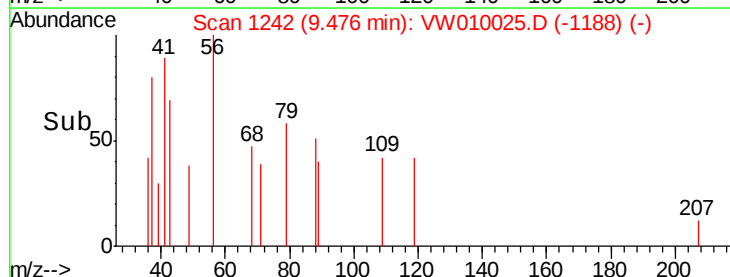
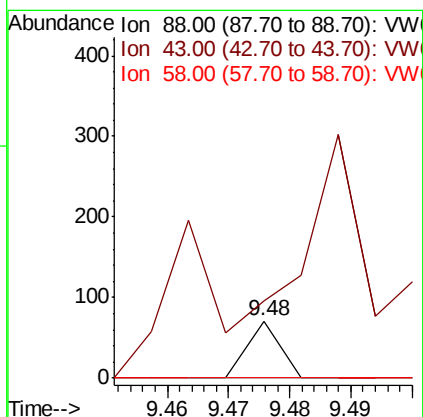
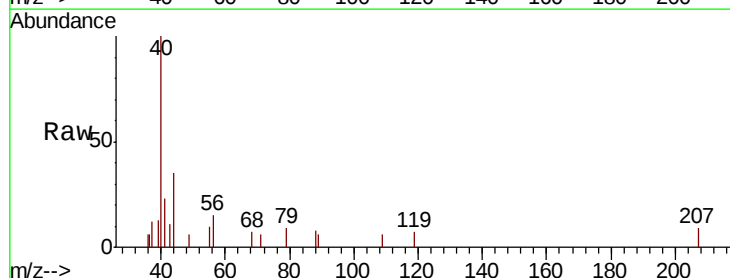
Instrument :
MSVOA_W
ClientSampleId :
BWM-S2-SOIL-PILERE

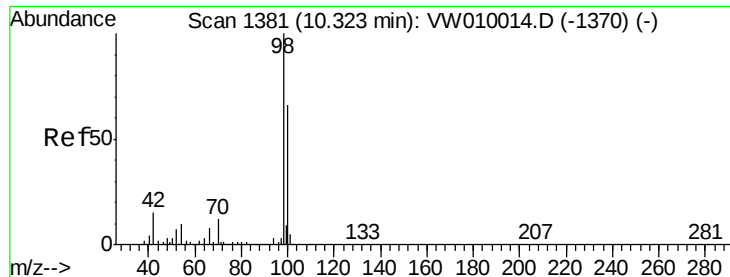
Tgt Ion: 83 Resp: 277
Ion Ratio Lower Upper
83 100
55 0.0 67.1 100.7#
98 19.6 39.2 58.8#



#49
1,4-Dioxane
Concen: 1.714 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 434.6 31.9 47.9#
58 0.0 61.8 92.6#





#50

Toluene-d8

Concen: 38.004 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

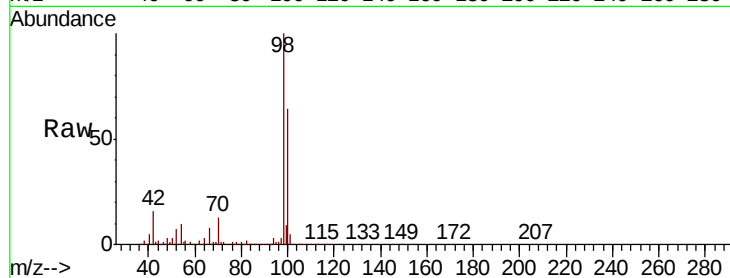
BWM-S2-SOIL-PILERE

Tgt Ion: 98 Resp: 236275

Ion Ratio Lower Upper

98 100

100 64.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

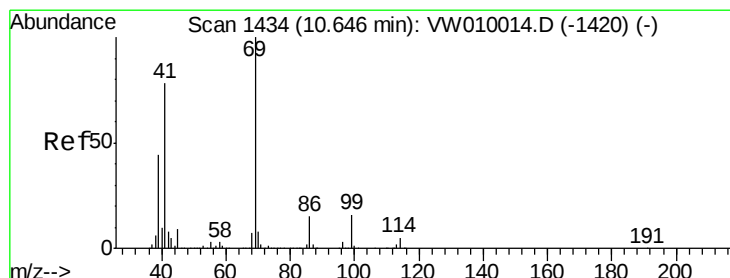
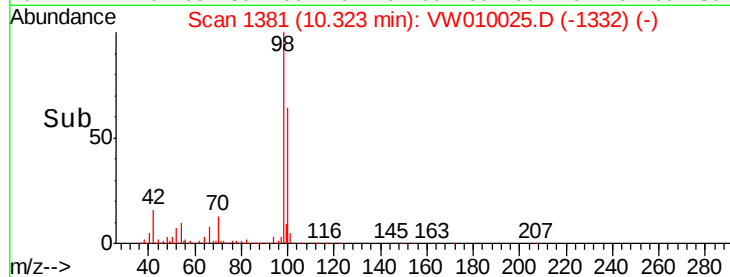
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 2.736 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW010025.D

Acq: 17 Apr 2019 19:24

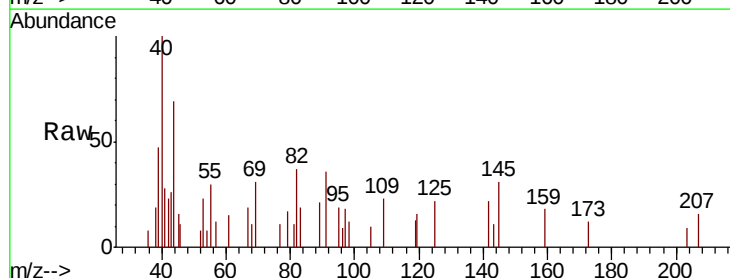
Tgt Ion: 69 Resp: 192

Ion Ratio Lower Upper

69 100

41 102.1 61.0 91.6#

39 37.5 33.8 50.6



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

400

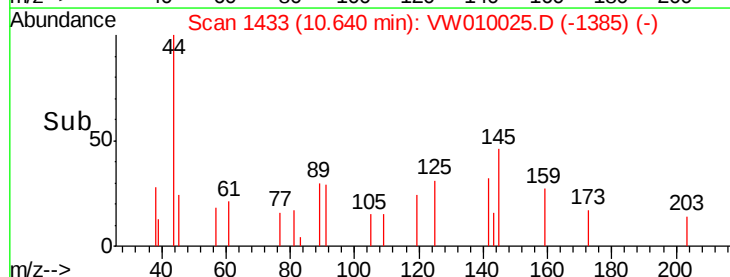
300

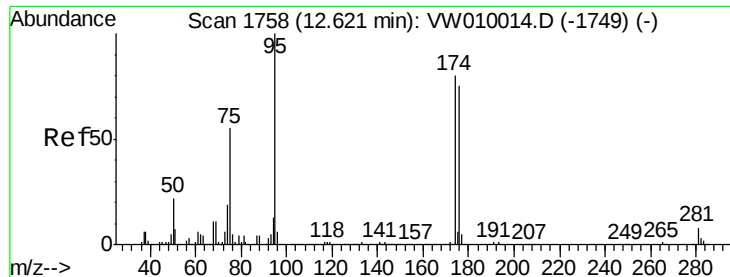
200

100

0

Time-->

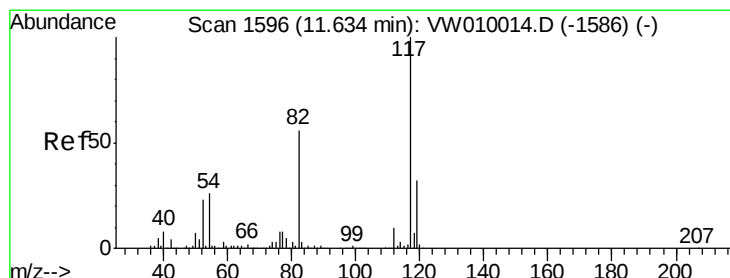
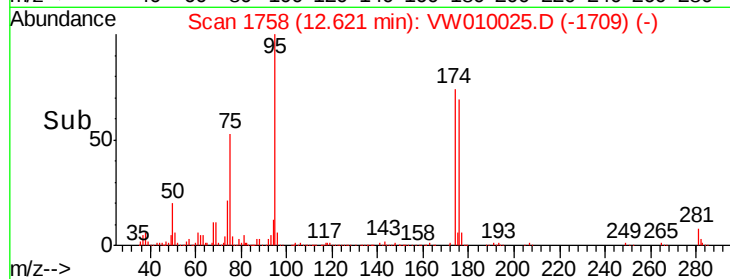
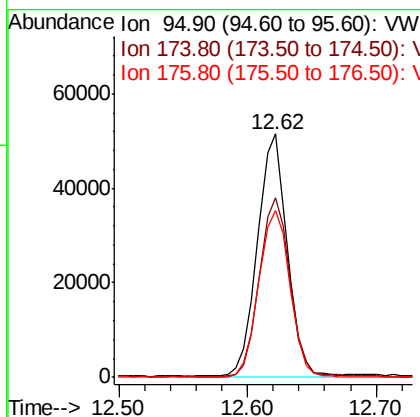
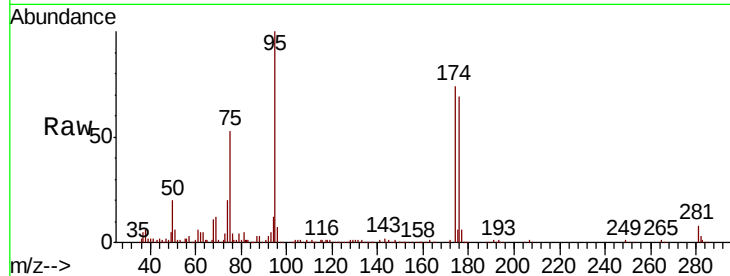




#62
4-Bromofluorobenzene
Concen: 36.259 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

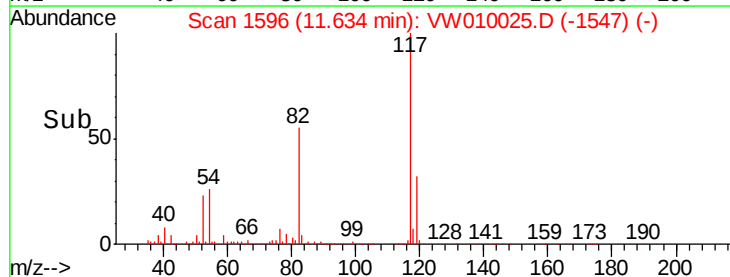
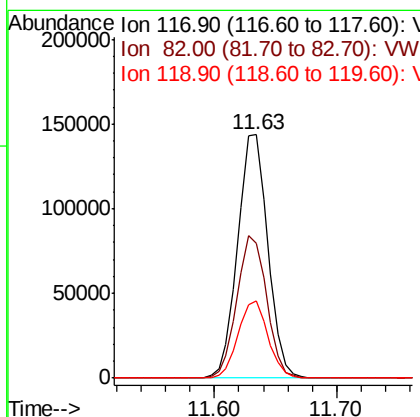
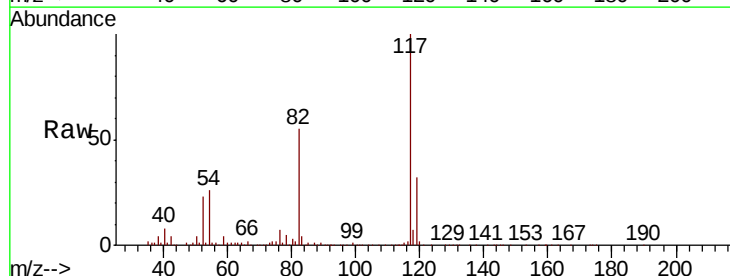
Instrument :
MSVOA_W
ClientSampleId :
BWM-S2-SOIL-PILERE

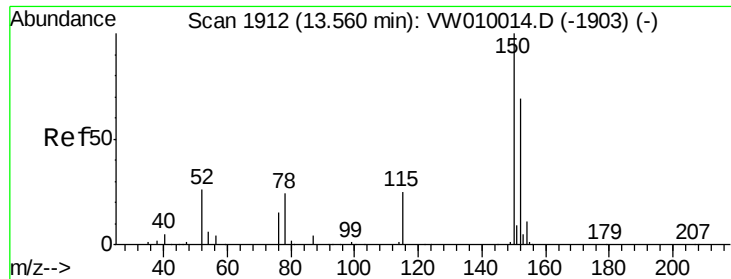
Tgt Ion: 95 Resp: 81942
Ion Ratio Lower Upper
95 100
174 77.0 0.0 151.4
176 72.3 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Tgt Ion: 117 Resp: 245301
Ion Ratio Lower Upper
117 100
82 55.2 45.2 67.8
119 31.7 25.4 38.2



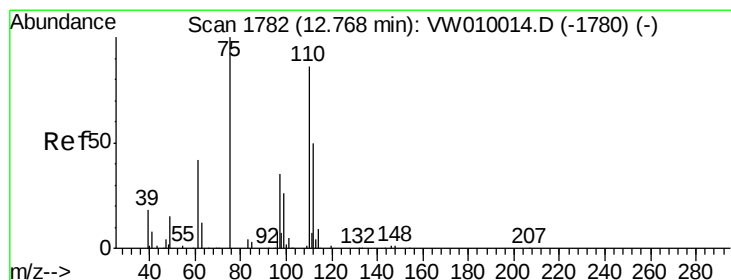
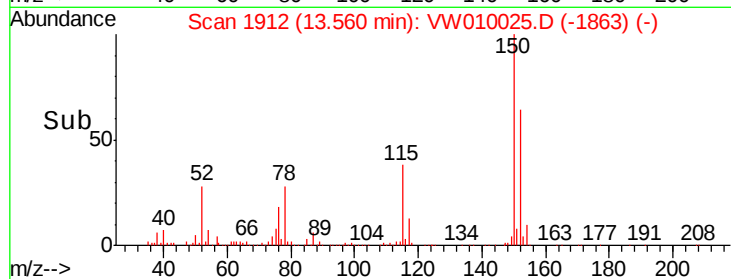
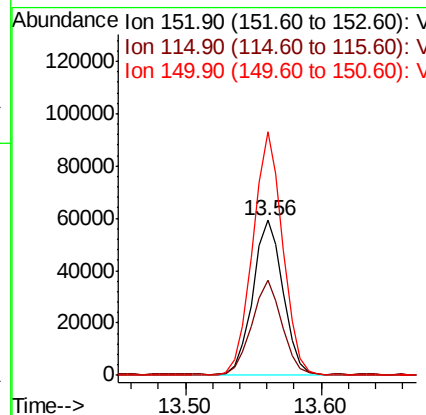
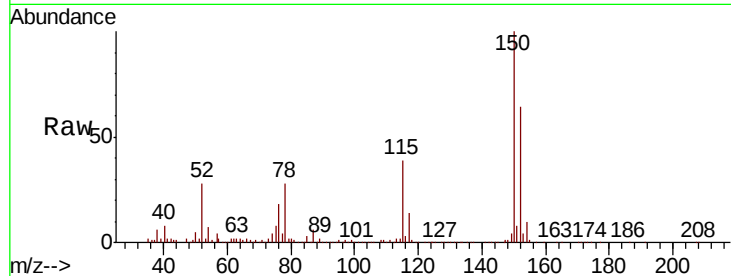


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Instrument :
MSVOA_W
ClientSampleId :
BWM-S2-SOIL-PILERE

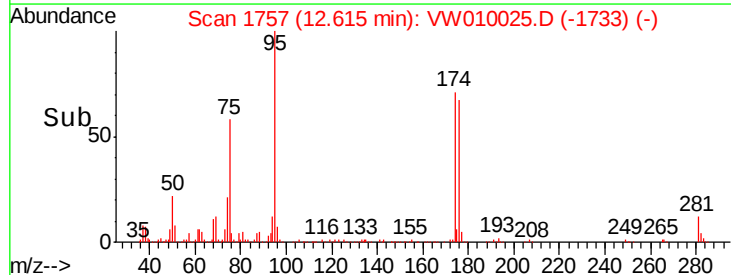
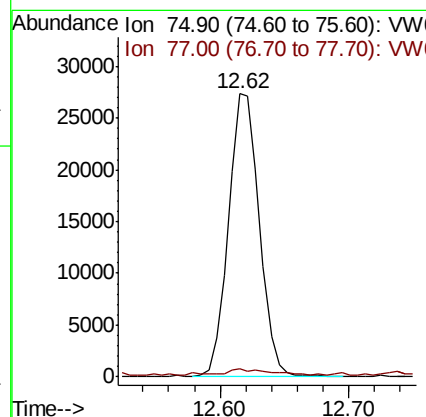
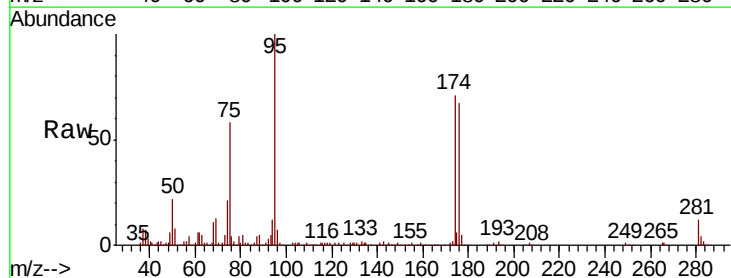
Tgt Ion:152 Resp: 92416
Ion Ratio Lower Upper
152 100
115 59.7 30.4 91.2
150 155.3 0.0 347.0

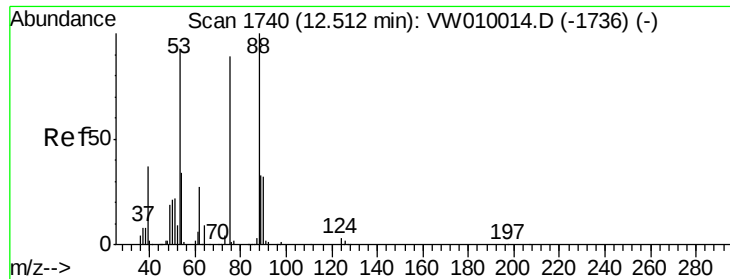


#76

1,2,3-Trichloropropane
Concen: 49.614 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Tgt Ion: 75 Resp: 45890
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

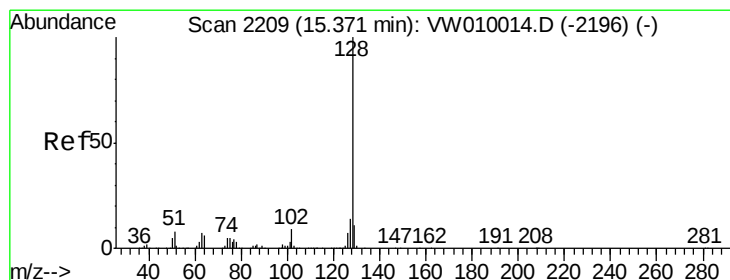
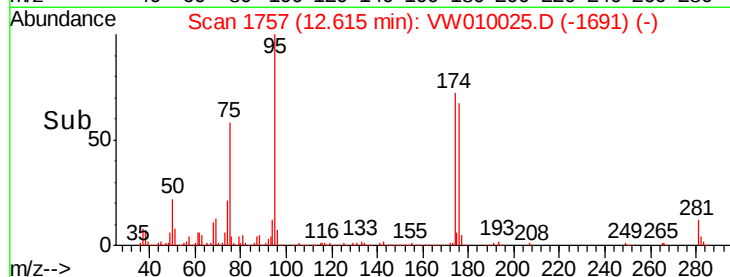
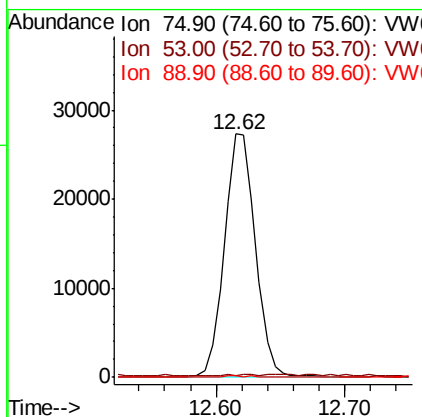
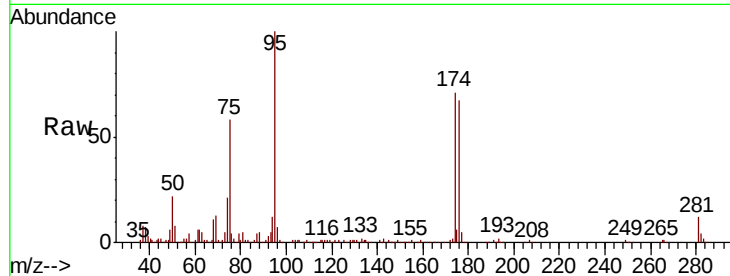




#81
trans-1,4-Dichloro-2-butene
Concen: 116.987 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Instrument :
MSVOA_W
ClientSampleId :
BWM-S2-SOIL-PILERE

Tgt Ion: 75 Resp: 45890
Ion Ratio Lower Upper
75 100
53 0.6 89.8 134.8#
89 0.5 36.6 54.8#



#95
Naphthalene
Concen: 4.248 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010025.D
Acq: 17 Apr 2019 19:24

Tgt Ion: 128 Resp: 5964
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 0.0 8.7 13.1#

