

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011032.D
 Acq On : 27 Jun 2019 23:06
 Operator : SY/VA
 Sample : K3532-05
 Misc : 6.12G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE-AREA-SOIL-A

Quant Time: Jun 28 08:33:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

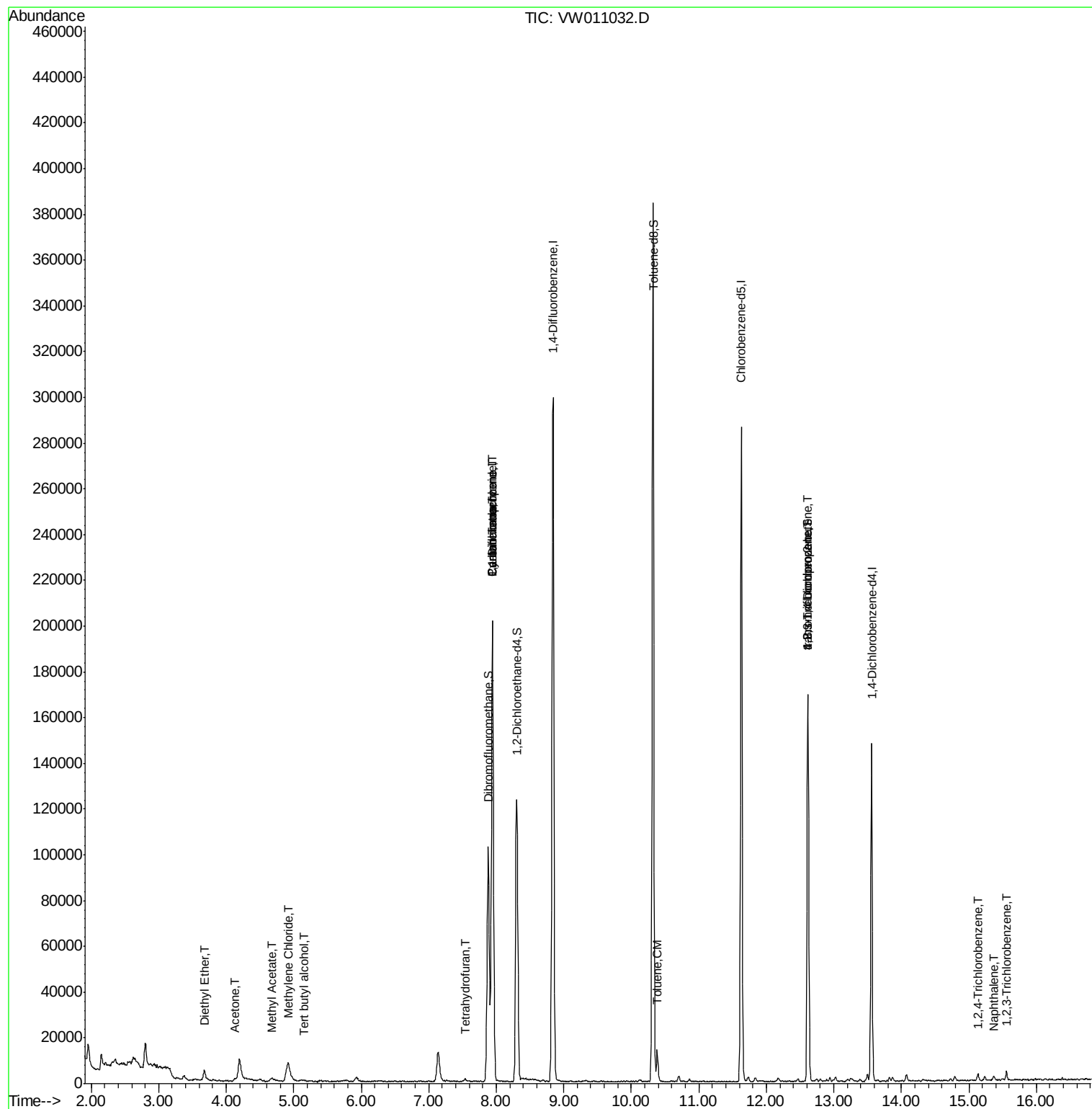
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	144863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	236363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	146916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	35336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	98944	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
35) Dibromofluoromethane	7.88	113	73876	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.32	98	239148	40.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.50%	
62) 4-Bromofluorobenzene	12.62	95	51120	23.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	2096	2.363	ug/l	95
11) Tert butyl alcohol	5.16	59	333	2.421	ug/l #	71
16) Acetone	4.13	43	2298	4.971	ug/l #	85
18) Methyl Acetate	4.67	43	3771	3.149	ug/l #	87
20) Methylene Chloride	4.92	84	6897	3.672	ug/l	97
29) Tetrahydrofuran	7.54	42	987	2.257	ug/l #	65
31) Cyclohexane	7.95	56	4225	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14053	5.532	ug/l #	51
38) Carbon Tetrachloride	7.94	117	14958	7.150	ug/l #	16
52) Toluene	10.39	92	5582	1.305	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	28494	76.380	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28494	153.284	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.14	180	751	1.033	ug/l	93
95) Naphthalene	15.37	128	1749	1.280	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	652	1.004	ug/l	88

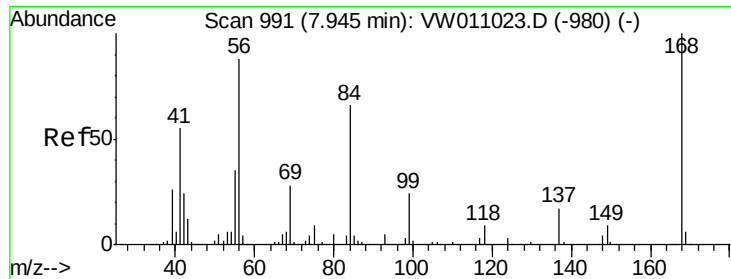
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA_W

ClientSampleId :

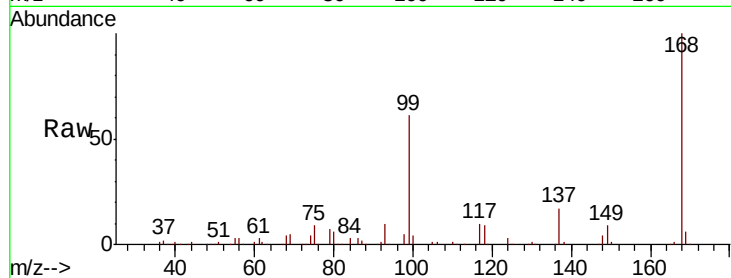
TRIANGLE-AREA-SOIL-A

Tot Ion:168 Resp: 144863

Ion Ratio Lower Upper

168 100

99 61.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

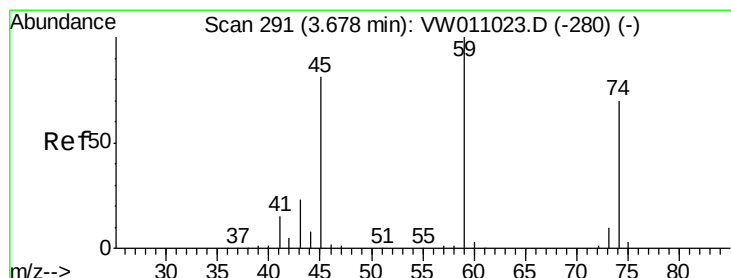
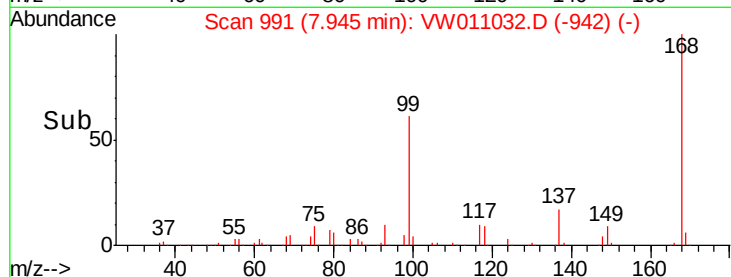
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.363 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011032.D

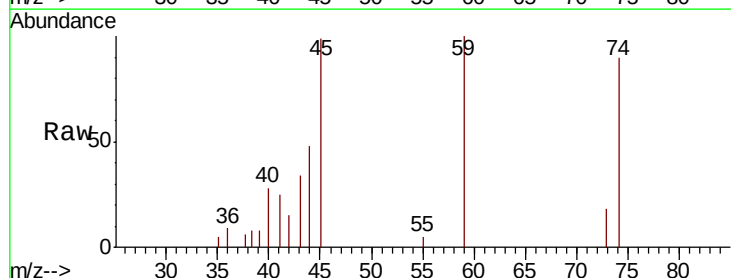
Acq: 27 Jun 2019 23:06

Tgt Ion: 74 Resp: 2096

Ion Ratio Lower Upper

74 100

45 124.3 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

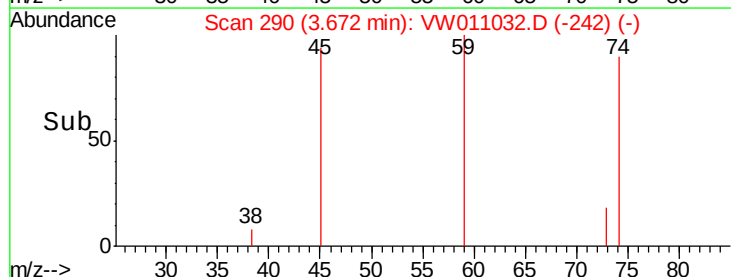
1000

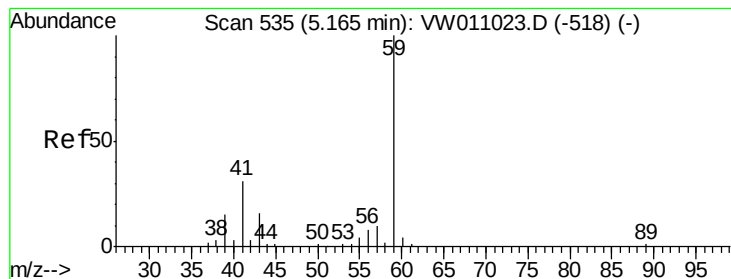
500

0

3.60 3.65 3.70 3.75

Time-->



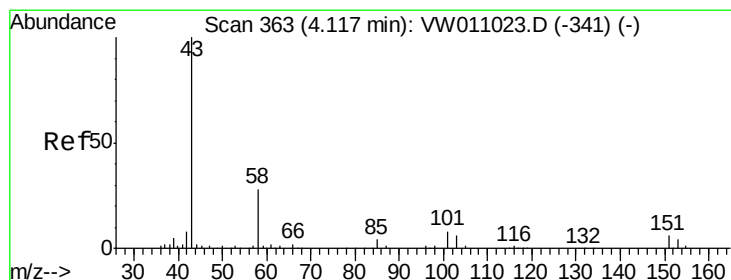
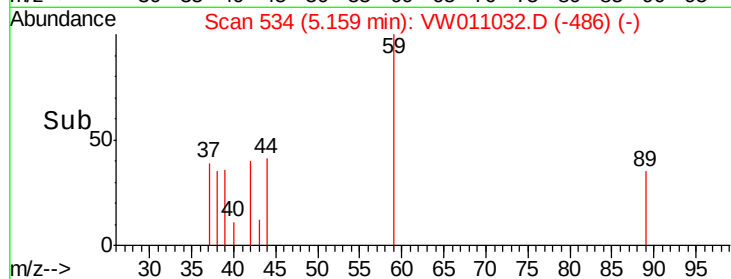
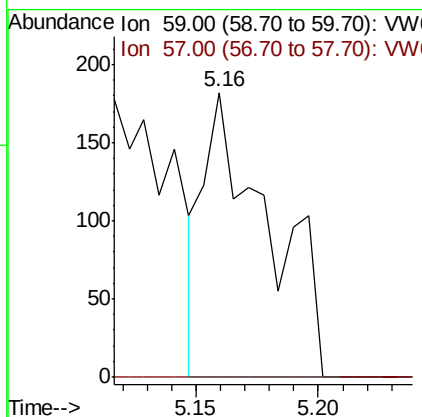
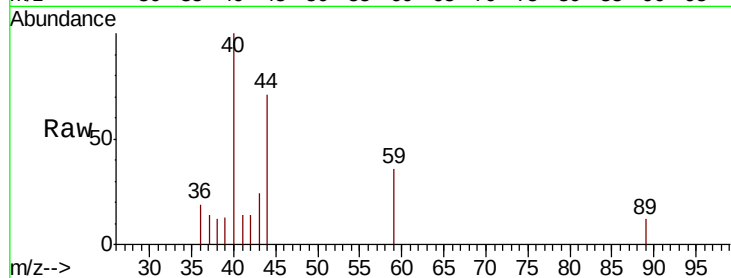


#11

Tert butyl alcohol
 Concen: 2.421 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE-AREA-SOIL-A

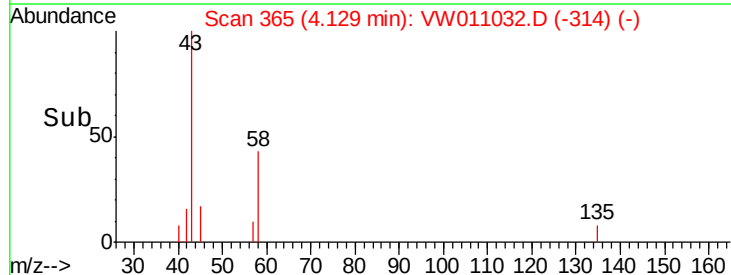
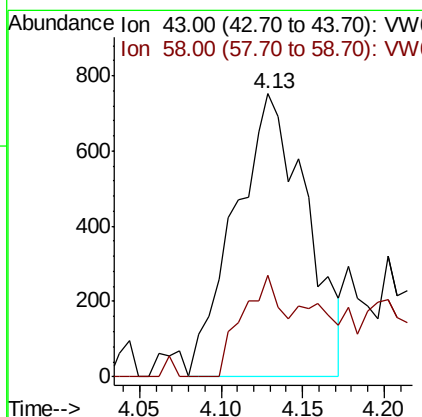
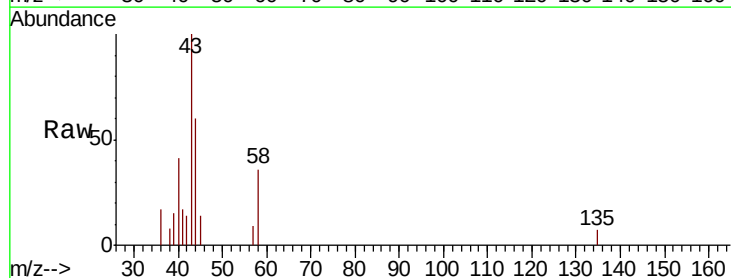
Tot Ion: 59 Resp: 333
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

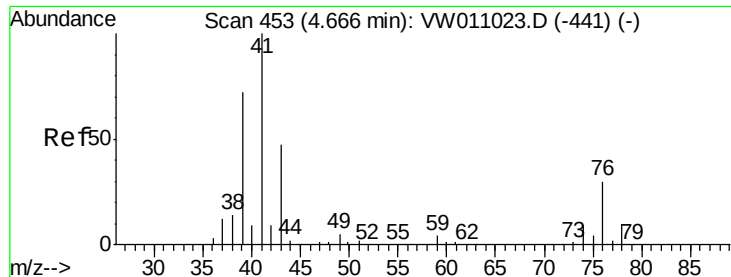


#16

Acetone
 Concen: 4.971 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Tgt Ion: 43 Resp: 2298
 Ion Ratio Lower Upper
 43 100
 58 36.0 22.5 33.7#

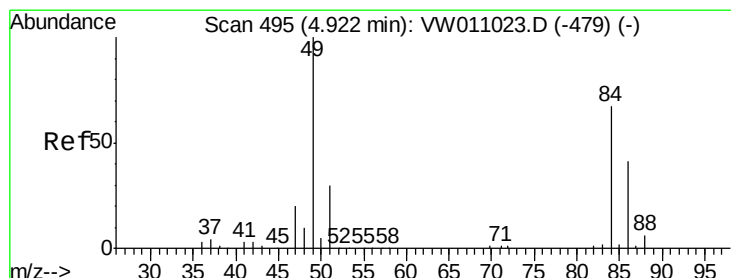
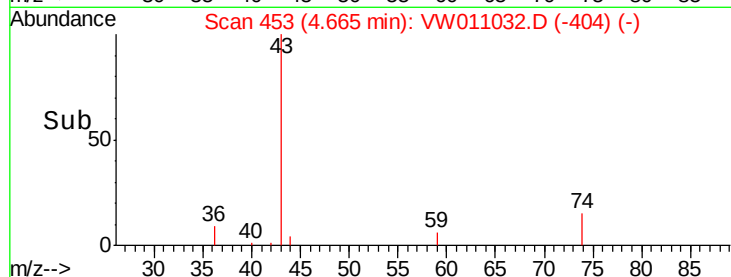
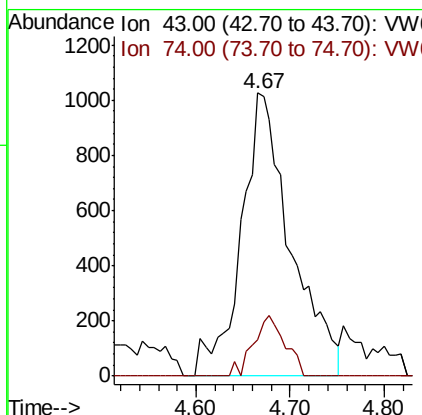
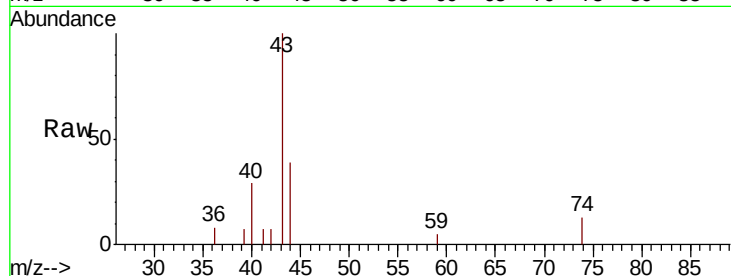




#18
Methyl Acetate
Concen: 3.149 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

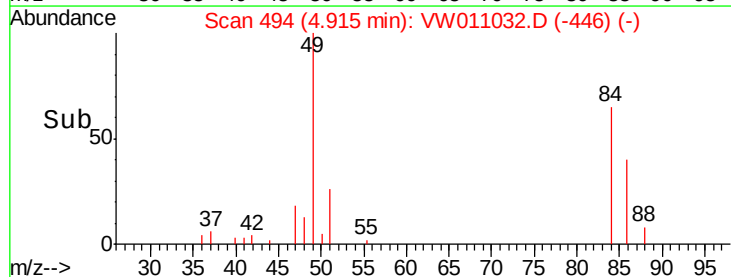
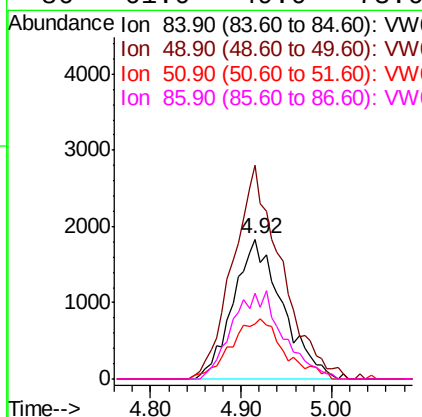
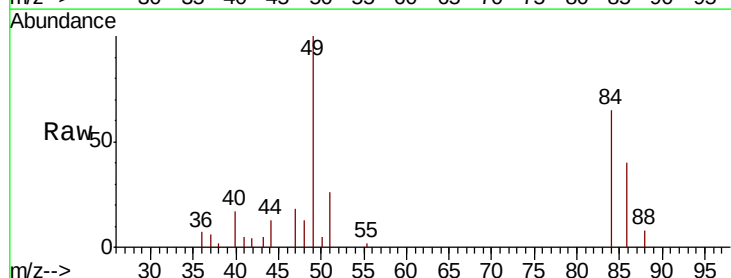
Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE-AREA-SOIL-A

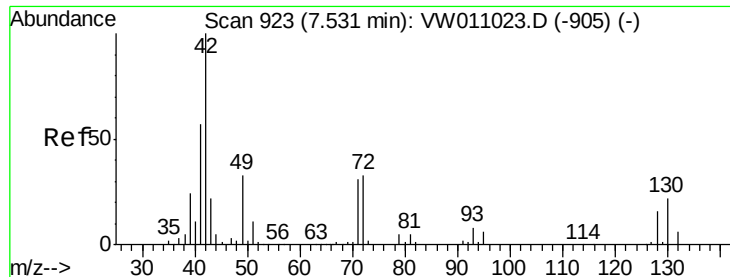
Tot Ion: 43 Resp: 3771
Ion Ratio Lower Upper
43 100
74 13.7 15.8 23.8#



#20
Methylene Chloride
Concen: 3.672 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

Tgt Ion: 84 Resp: 6897
Ion Ratio Lower Upper
84 100
49 152.8 119.6 179.4
51 39.6 35.6 53.4
86 61.0 49.0 73.6





#29

Tetrahydrofuran

Concen: 2.257 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE-AREA-SOIL-A

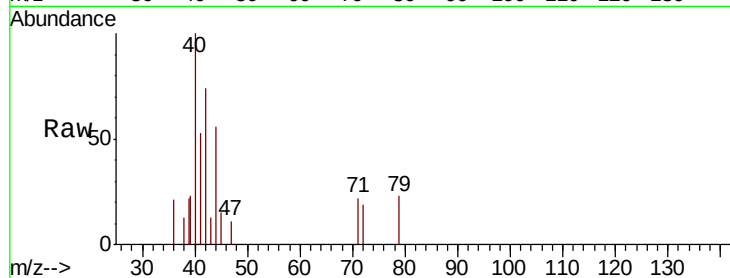
Tot Ion: 42 Resp: 987

Ion Ratio Lower Upper

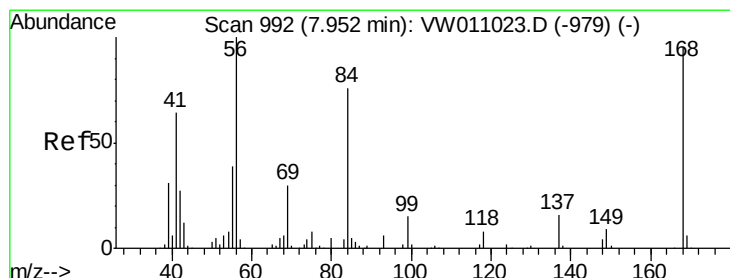
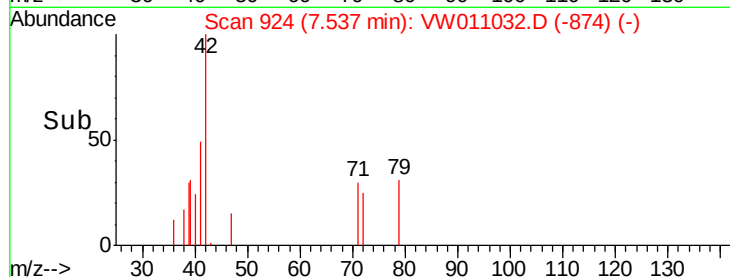
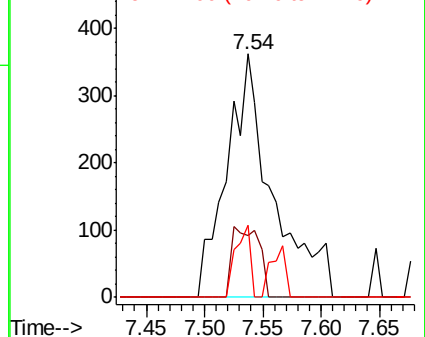
42 100

72 17.2 27.4 41.0#

71 9.6 25.6 38.4#



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



#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

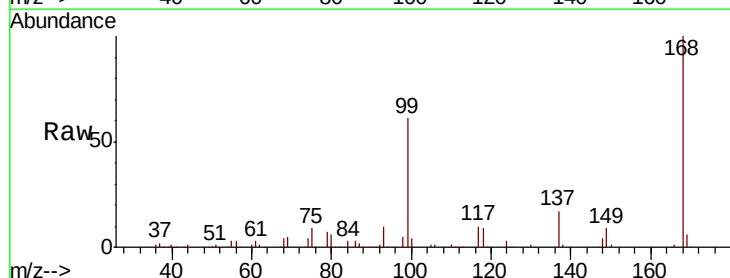
Tgt Ion: 56 Resp: 4225

Ion Ratio Lower Upper

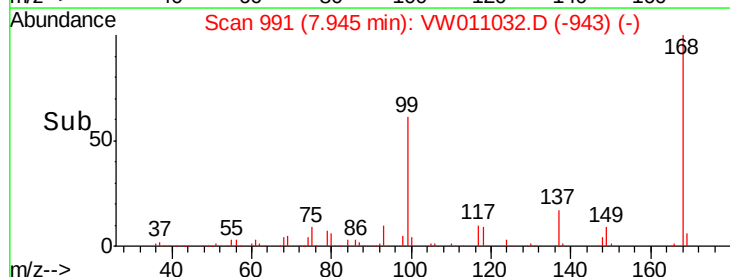
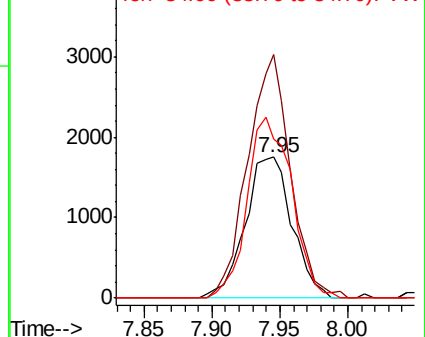
56 100

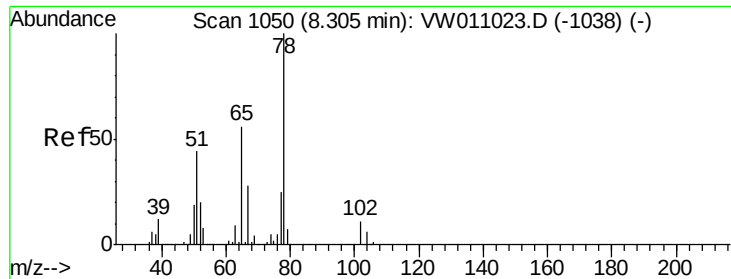
69 172.7 24.2 36.2#

84 113.2 60.6 90.8#



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

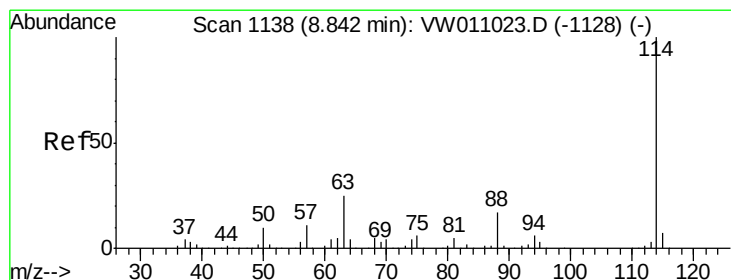
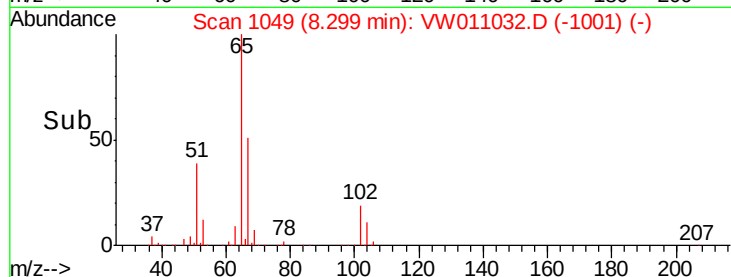
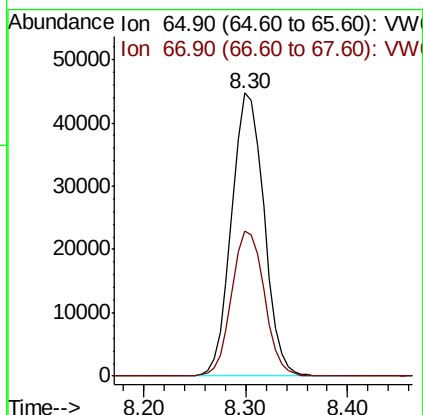
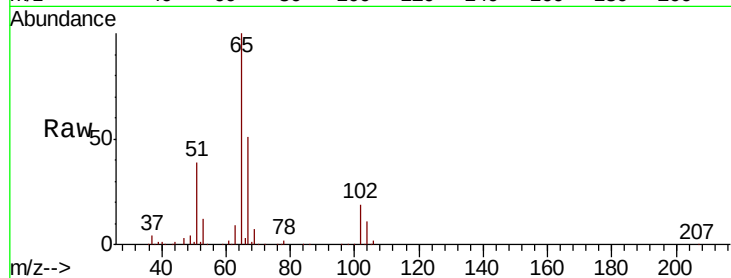




#33
 1,2-Dichloroethane-d4
 Concen: 52.248 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

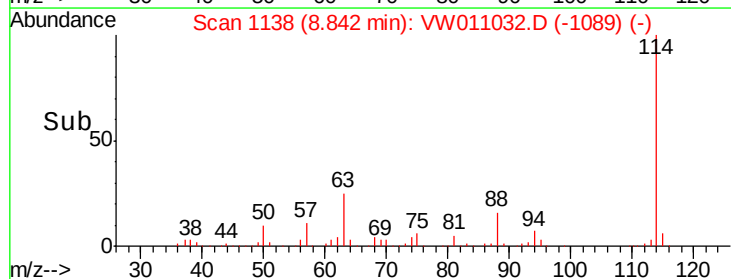
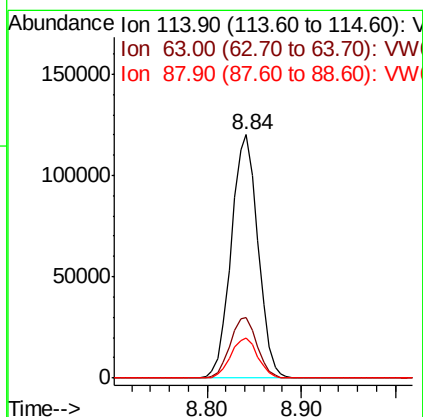
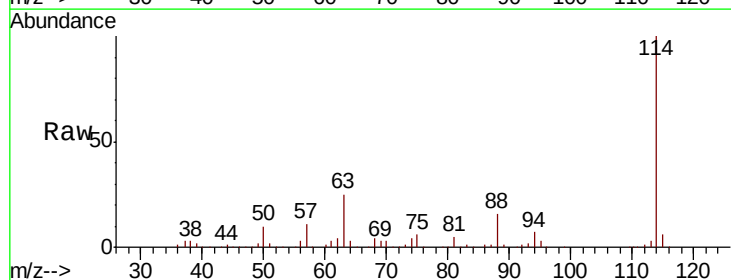
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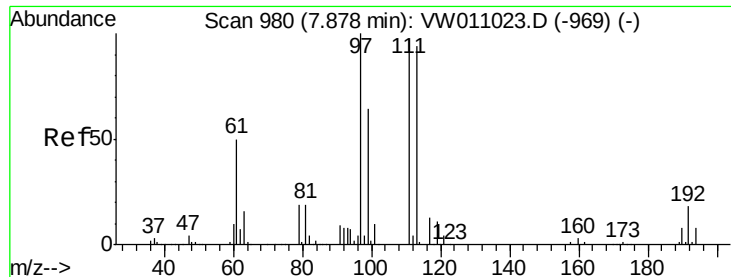
Tot Ion: 65 Resp: 98944
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Tgt Ion: 114 Resp: 236363
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.6
 88 16.5 0.0 34.0

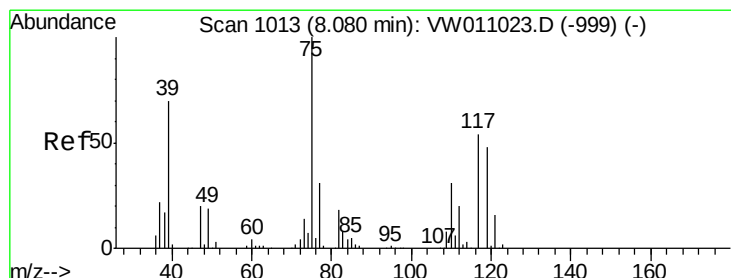
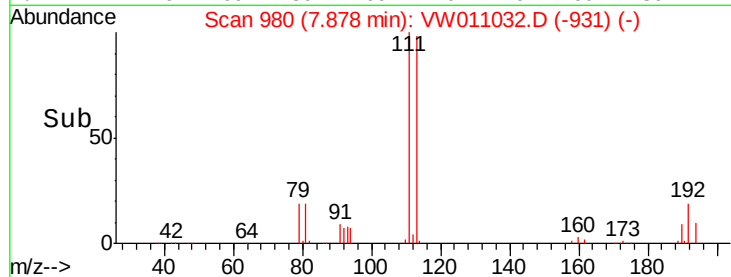
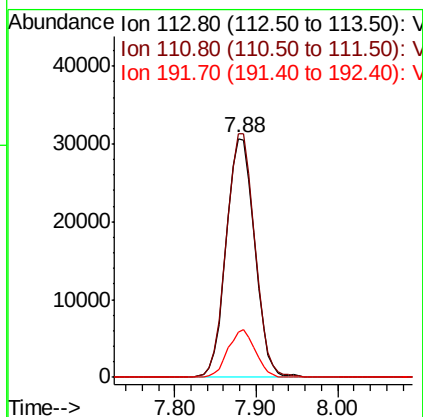
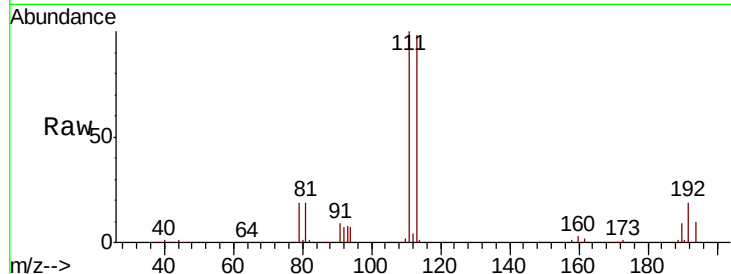




#35
 Dibromofluoromethane
 Concen: 51.184 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

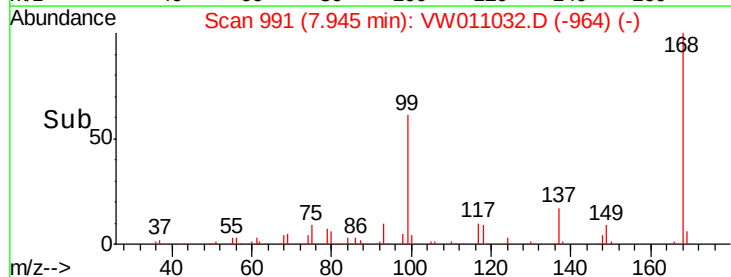
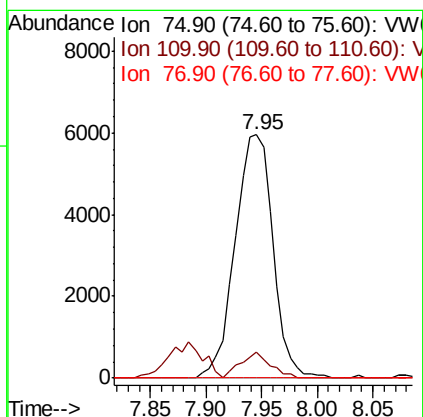
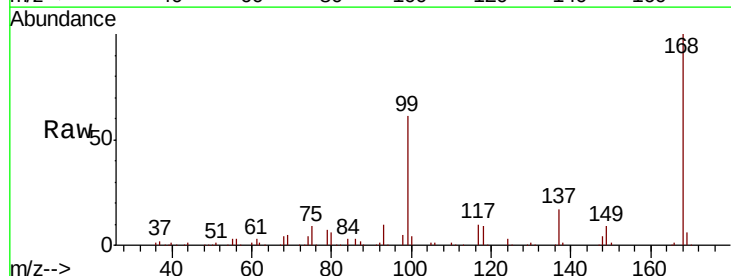
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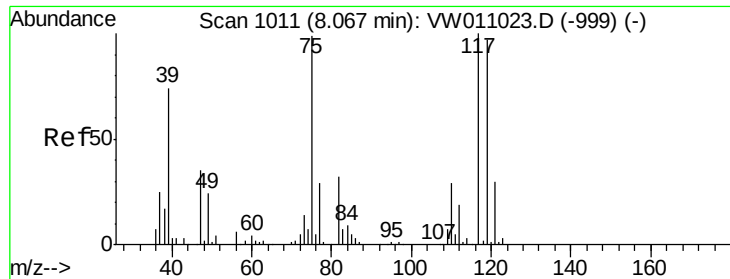
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.8	125.6
192	19.1	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 5.532 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.5	46.5#
77	0.0	24.9	37.3#

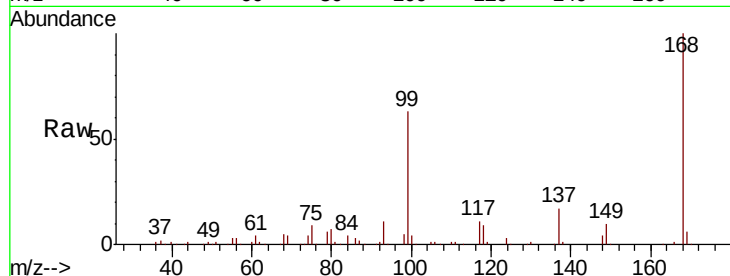




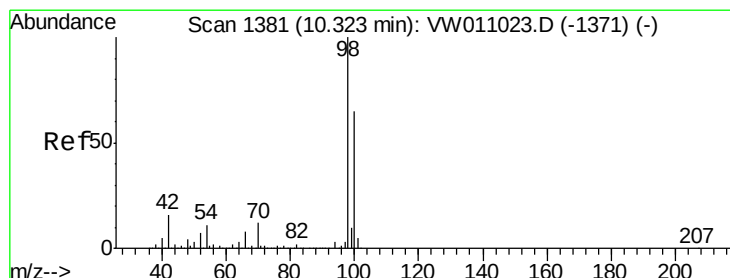
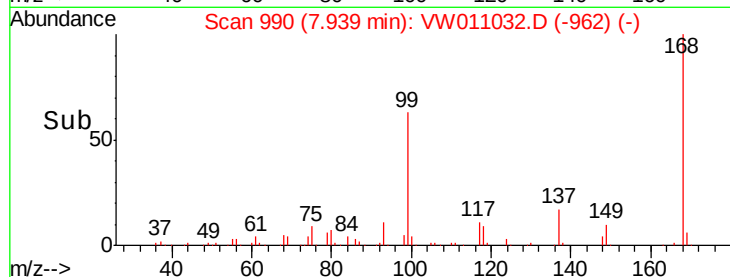
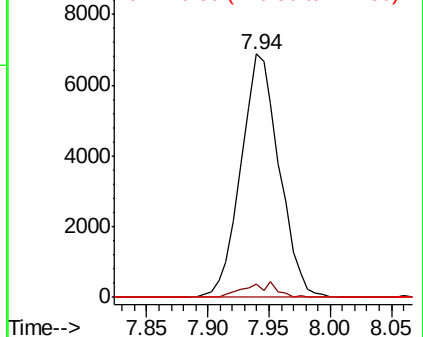
#38
Carbon Tetrachloride
Concen: 7.150 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE-AREA-SOIL-A

Tot Ion:117 Resp: 14958
Ion Ratio Lower Upper
117 100
119 5.4 77.7 116.5#
121 0.0 23.9 35.9#

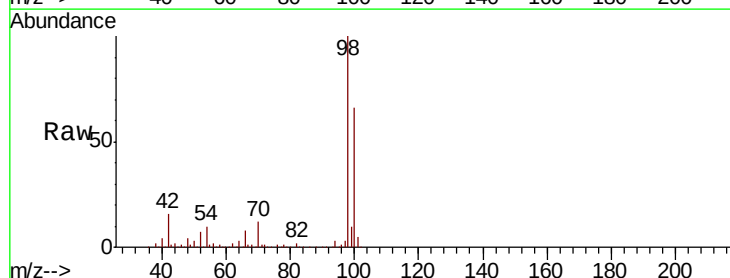


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

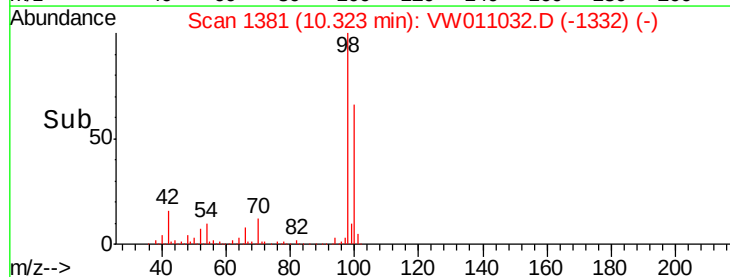
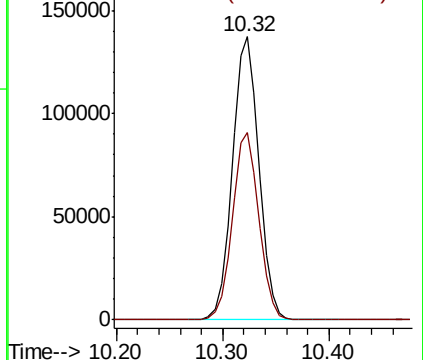


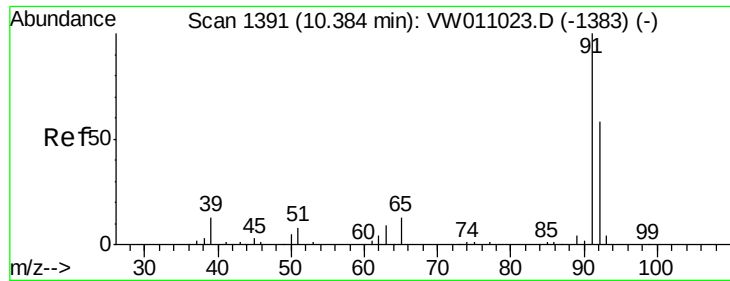
#50
Toluene-d8
Concen: 40.253 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

Tgt Ion: 98 Resp: 239148
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



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





#52

Toluene

Concen: 1.305 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

Instrument :

MSVOA_W

ClientSampleId :

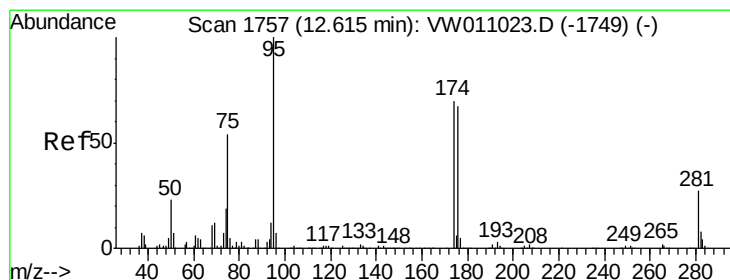
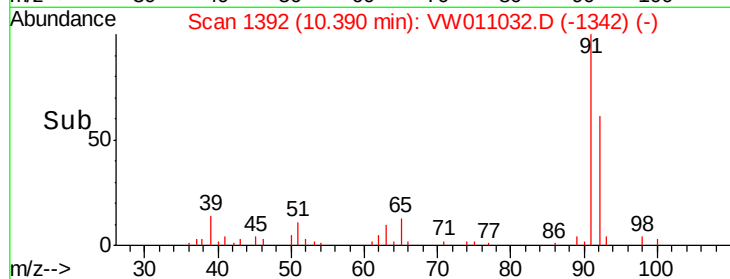
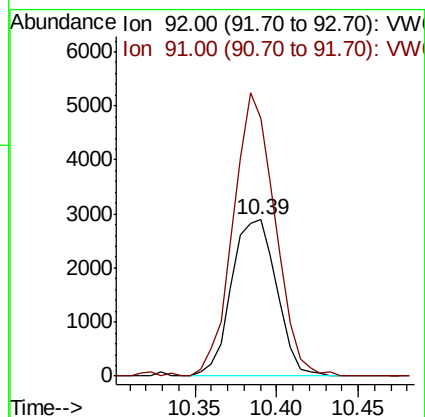
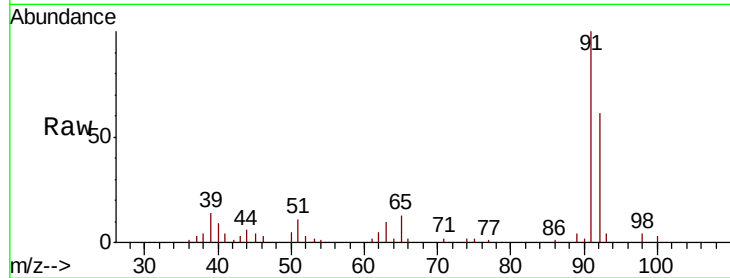
TRIANGLE-AREA-SOIL-A

Tot Ion: 92 Resp: 5582

Ion Ratio Lower Upper

92 100

91 167.7 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 23.525 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011032.D

Acq: 27 Jun 2019 23:06

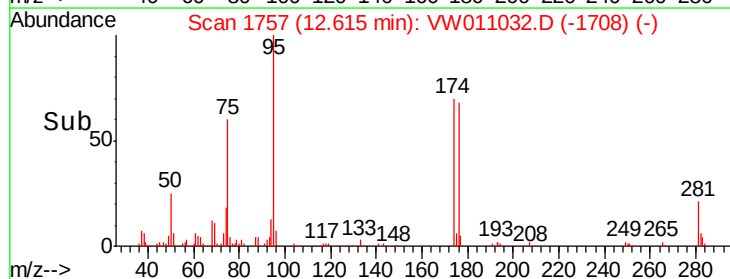
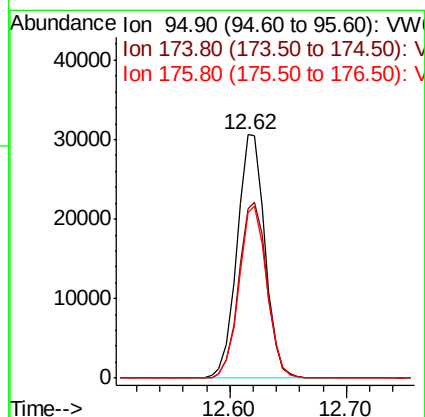
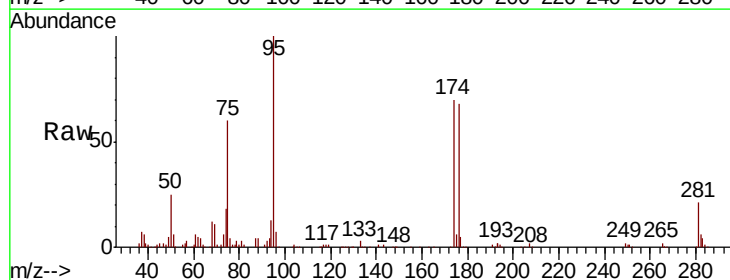
Tgt Ion: 95 Resp: 51120

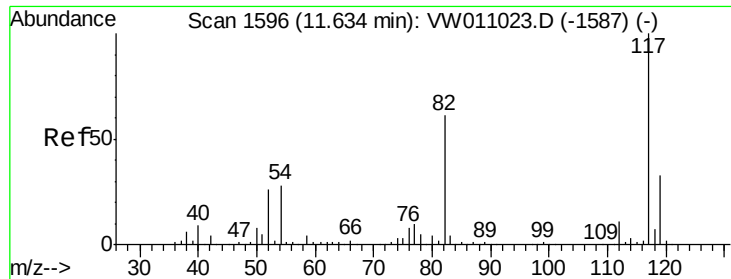
Ion Ratio Lower Upper

95 100

174 73.0 0.0 149.2

176 70.3 0.0 143.6

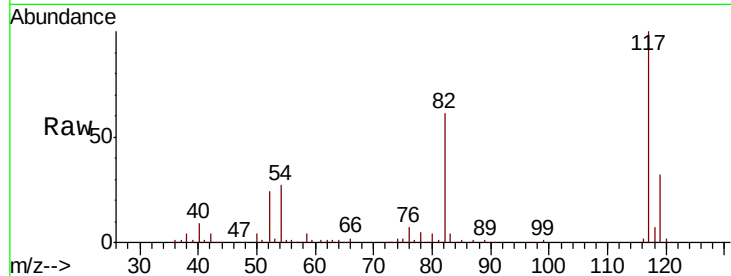




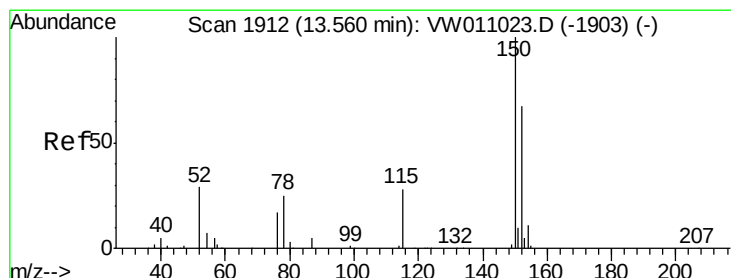
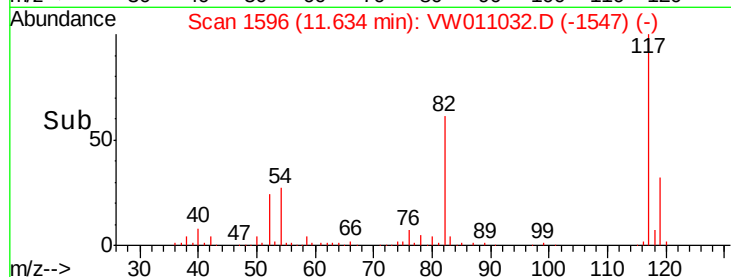
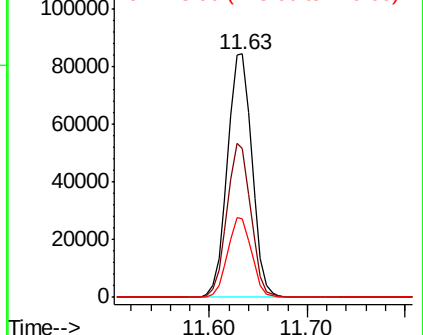
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE-AREA-SOIL-A

Tot Ion:117 Resp: 146916
Ion Ratio Lower Upper
117 100
82 60.9 48.6 73.0
119 32.0 26.1 39.1

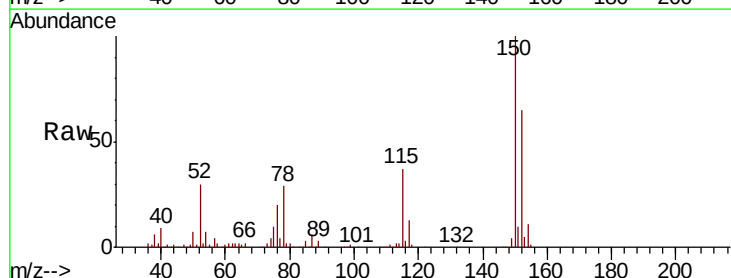


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

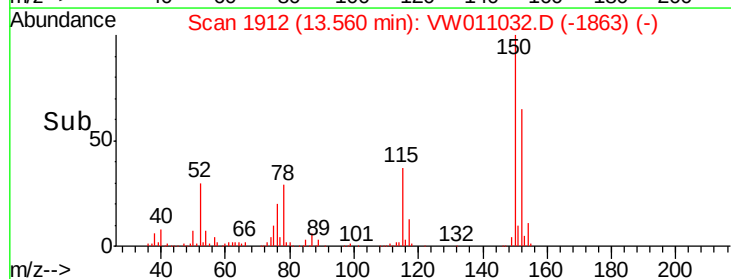
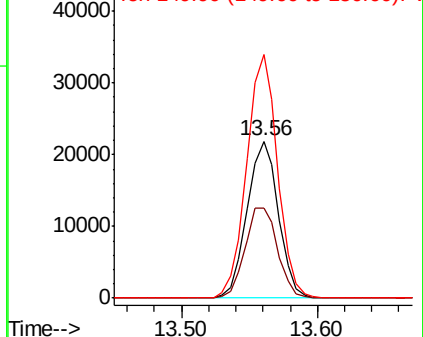


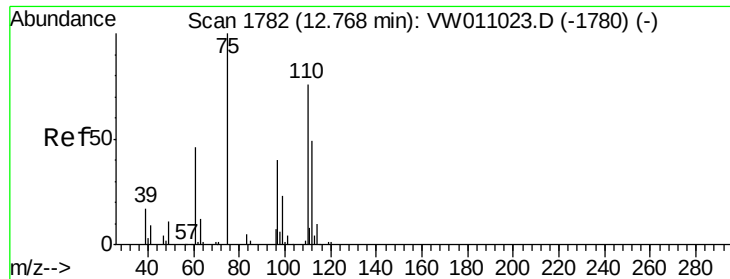
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011032.D
Acq: 27 Jun 2019 23:06

Tgt Ion:152 Resp: 35336
Ion Ratio Lower Upper
152 100
115 59.8 30.7 92.1
150 152.9 0.0 341.8



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

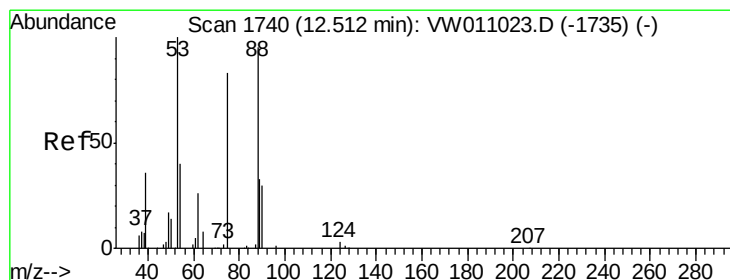
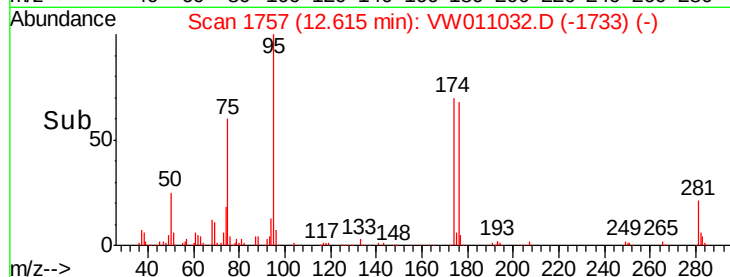
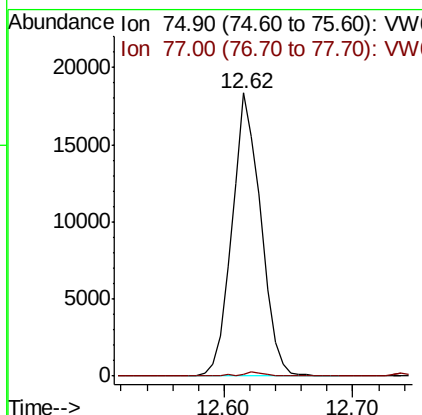
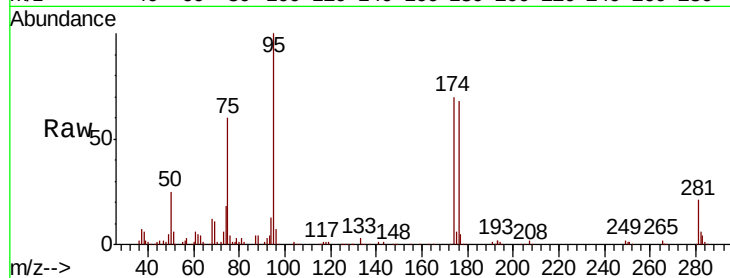




#76
 1,2,3-Trichloropropane
 Concen: 76.380 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

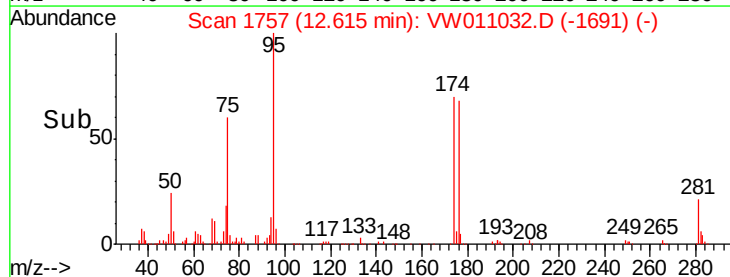
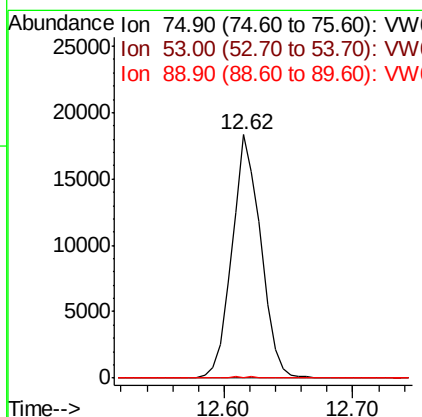
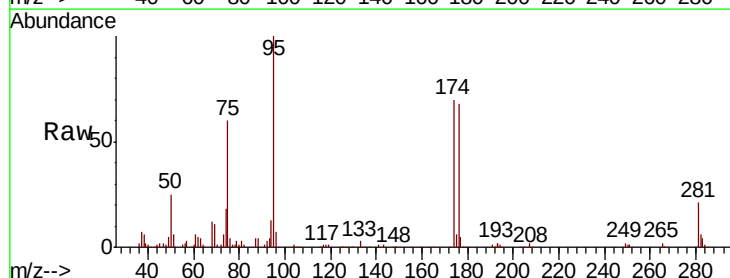
Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE-AREA-SOIL-A

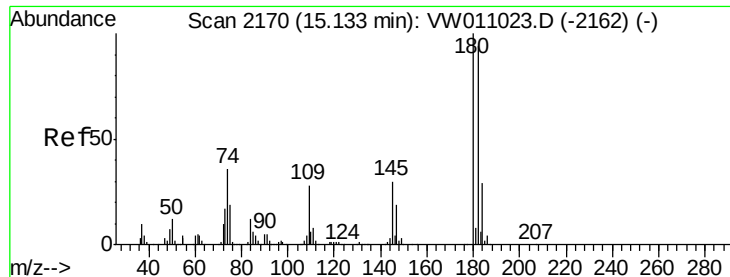
Tot Ion: 75 Resp: 28494
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 153.284 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Tgt Ion: 75 Resp: 28494
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.3 34.4 51.6#

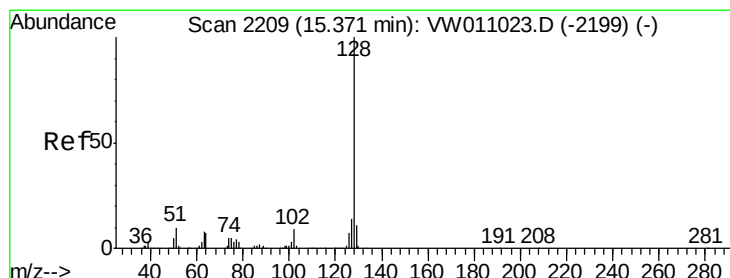
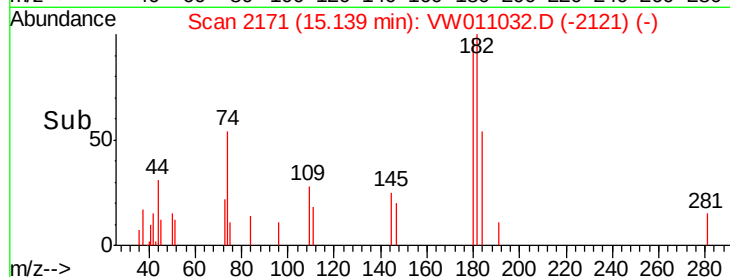
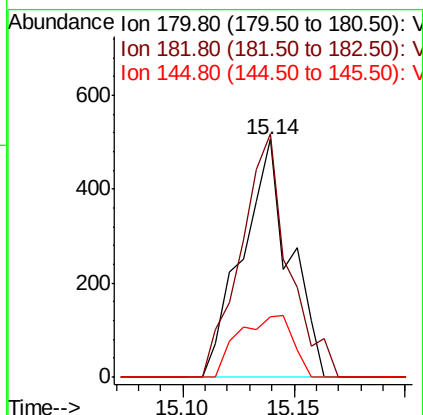
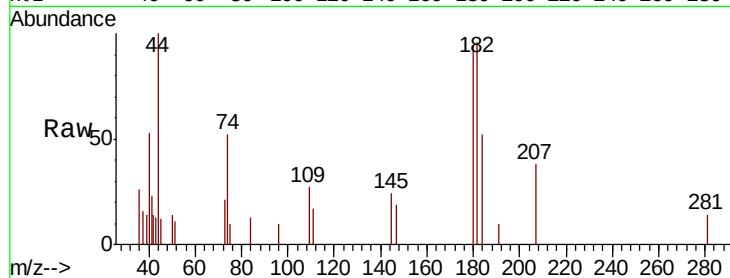




#93
 1,2,4-Trichlorobenzene
 Concen: 1.033 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

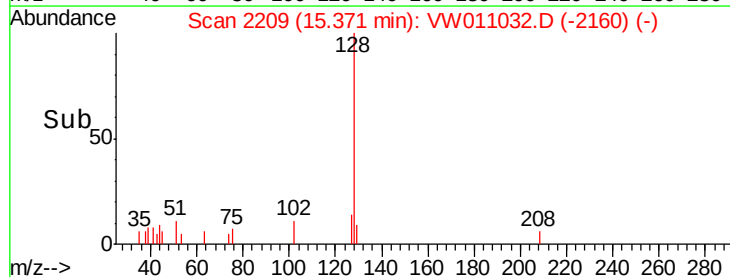
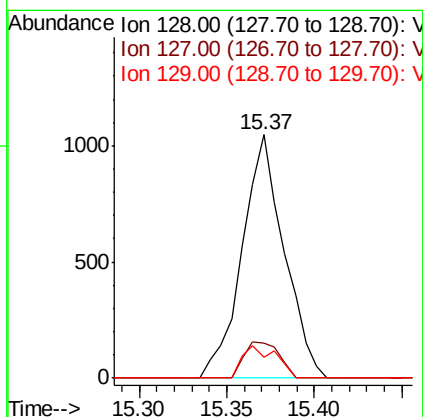
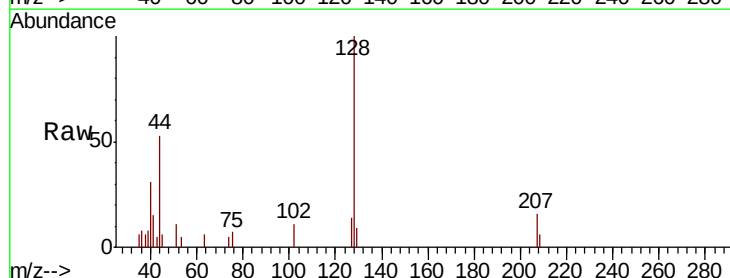
Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE-AREA-SOIL-A

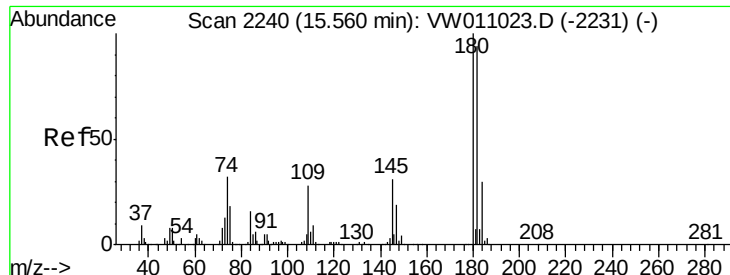
Tot Ion:180 Resp: 751
 Ion Ratio Lower Upper
 180 100
 182 102.5 47.4 142.2
 145 29.4 15.3 45.8



#95
 Naphthalene
 Concen: 1.280 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Tgt Ion:128 Resp: 1749
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.7 16.1
 129 10.7 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.004 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.01 min
 Lab File: VW011032.D
 Acq: 27 Jun 2019 23:06

Instrument :
 MSVOA_W
 ClientSampleId :
 TRIANGLE-AREA-SOIL-A

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.2	47.9	143.7
145	36.2	16.1	48.2

