

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011033.D
 Acq On : 27 Jun 2019 23:33
 Operator : SY/VA
 Sample : K3532-07
 Misc : 5.88G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Jun 28 08:33:54 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	137943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	234510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	105237	58.36	ug/l	0.00
Spiked Amount			Recovery	=	116.72%	
35) Dibromofluoromethane	7.88	113	75700	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.32	98	250199	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	
62) 4-Bromofluorobenzene	12.62	95	54043	25.07	ug/l	0.00
Spiked Amount			Recovery	=	50.14%	

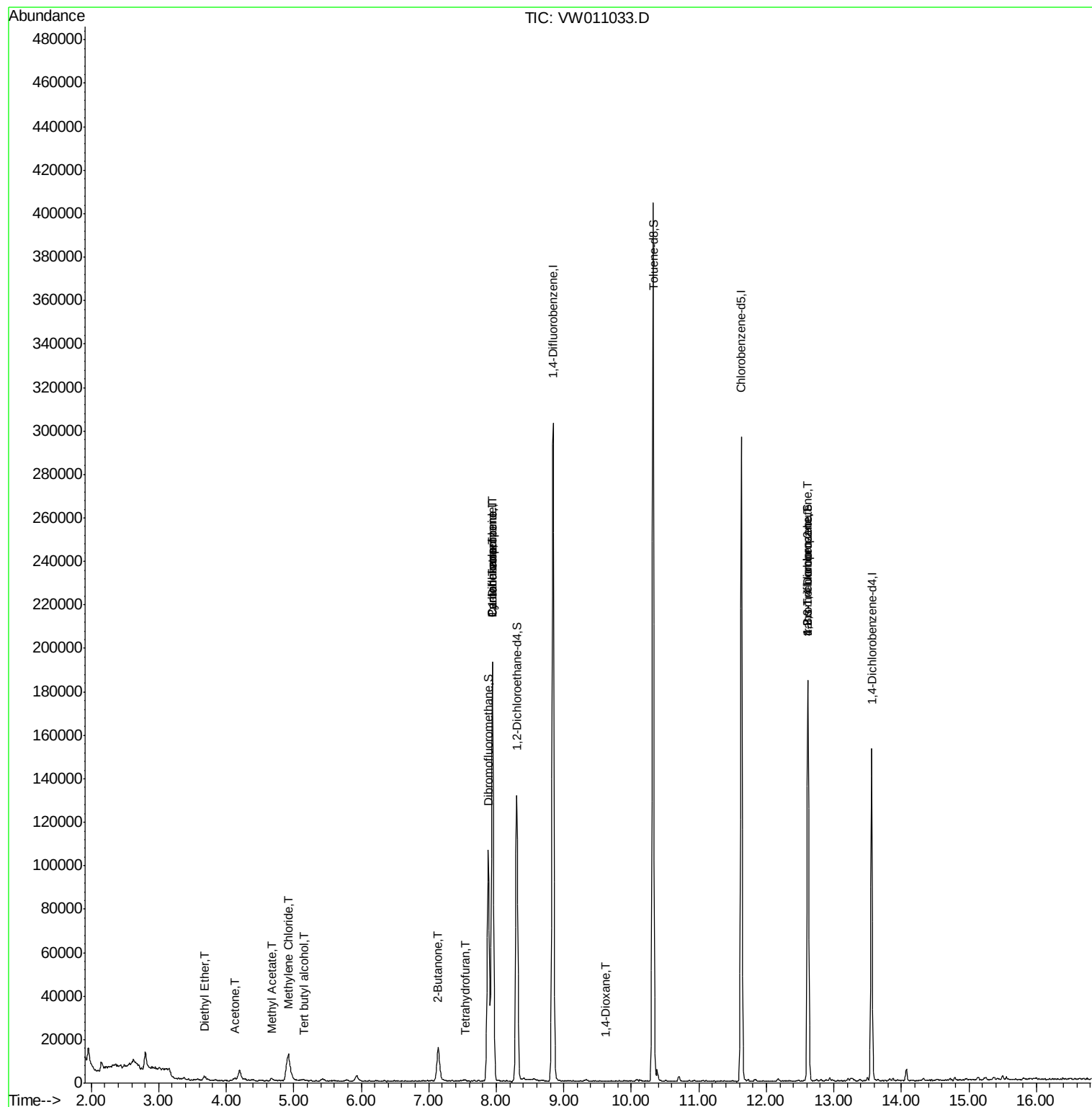
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1130	1.338	ug/l	78
11) Tert butyl alcohol	5.15	59	297	2.268	ug/l #	71
16) Acetone	4.14	43	3059	6.950	ug/l	90
18) Methyl Acetate	4.68	43	2412	2.115	ug/l	100
20) Methylene Chloride	4.92	84	10119	5.658	ug/l	96
25) 2-Butanone	7.15	43	1403	2.097	ug/l #	54
29) Tetrahydrofuran	7.54	42	653	1.568	ug/l #	53
31) Cyclohexane	7.94	56	3893	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	12751	5.059	ug/l #	51
38) Carbon Tetrachloride	7.94	117	14055	6.771	ug/l #	16
49) 1,4-Dioxane	9.63	88	26	1.756	ug/l #	9
76) 1,2,3-Trichloropropane	12.62	75	29877	77.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29877	155.069	ug/l #	3

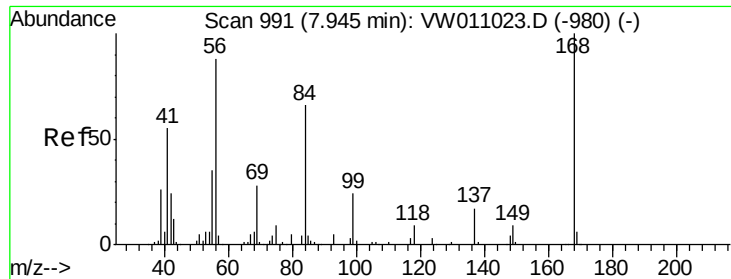
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062819\
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Quant Title : SW846 8260
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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: VW011033.D

Acq: 27 Jun 2019 23:33

Instrument :

MSVOA_W

ClientSampleId :

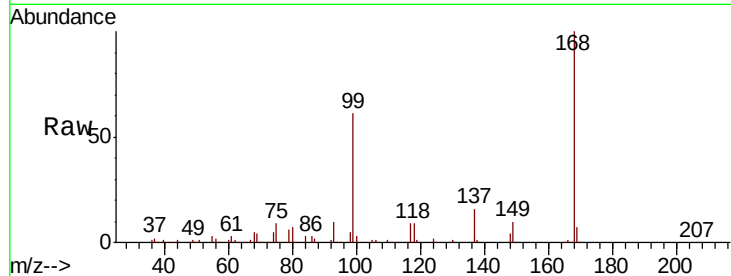
TRIANGLE-AREA-SOIL-B

Tot Ion:168 Resp: 137943

Ion Ratio Lower Upper

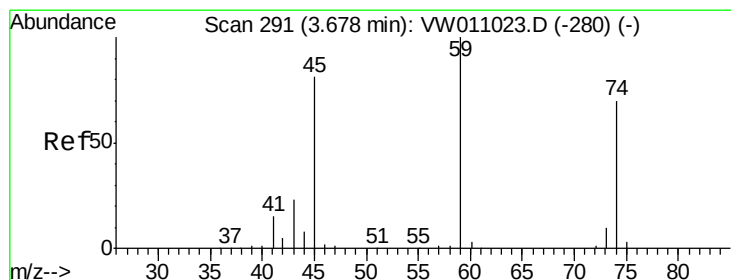
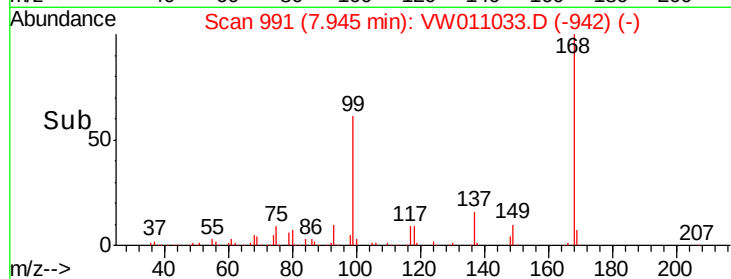
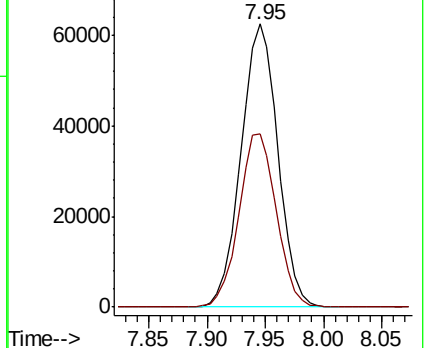
168 100

99 61.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.338 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011033.D

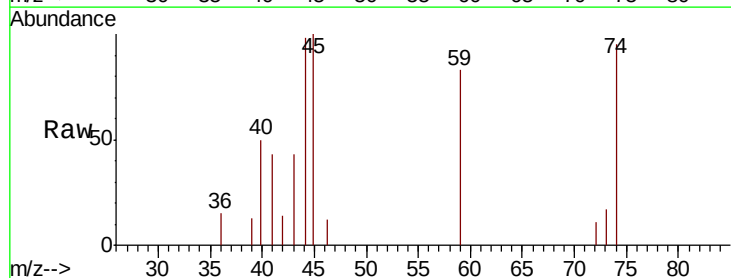
Acq: 27 Jun 2019 23:33

Tgt Ion: 74 Resp: 1130

Ion Ratio Lower Upper

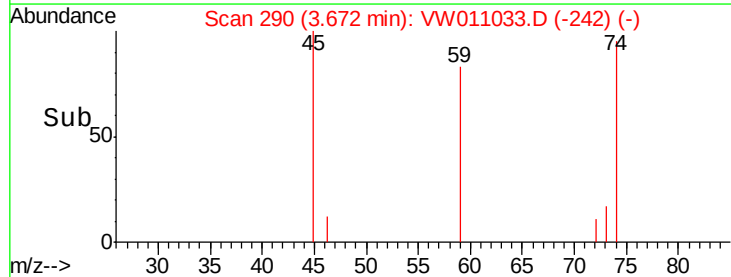
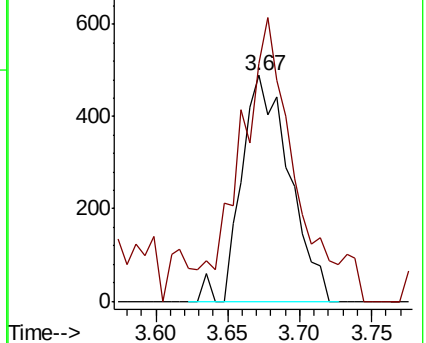
74 100

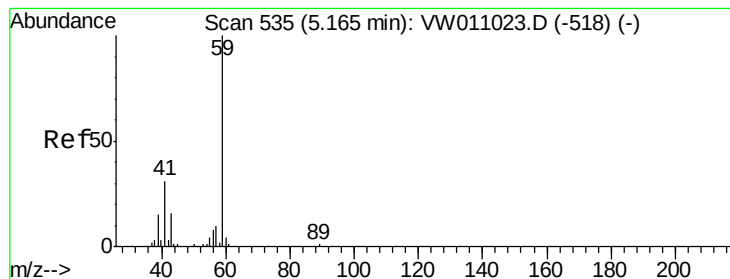
45 142.9 59.5 178.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



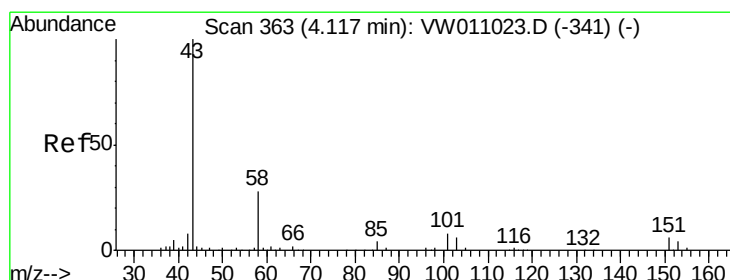
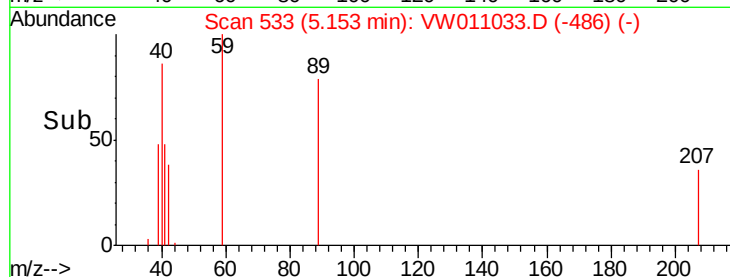
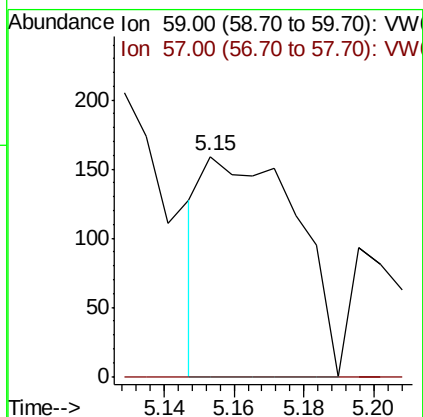
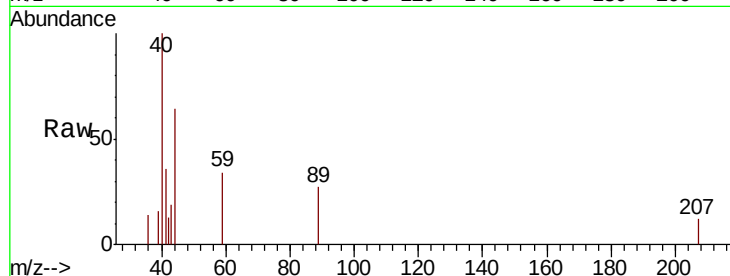


#11

Tert butyl alcohol
 Concen: 2.268 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

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

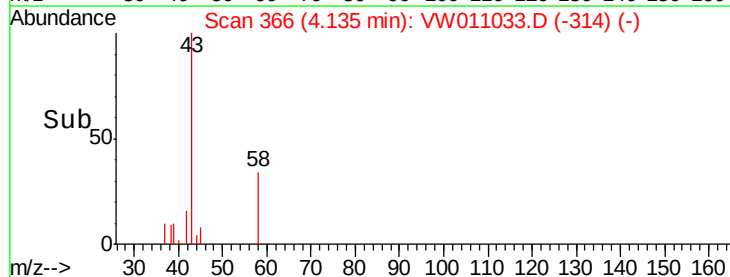
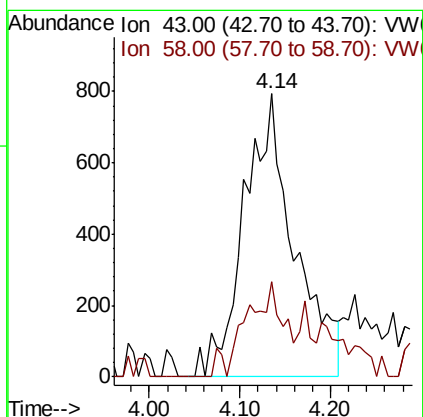
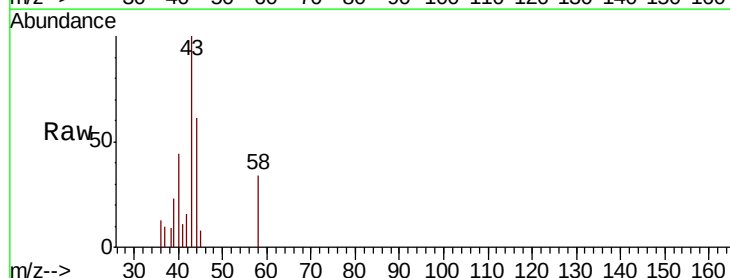
Tot Ion: 59 Resp: 297
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

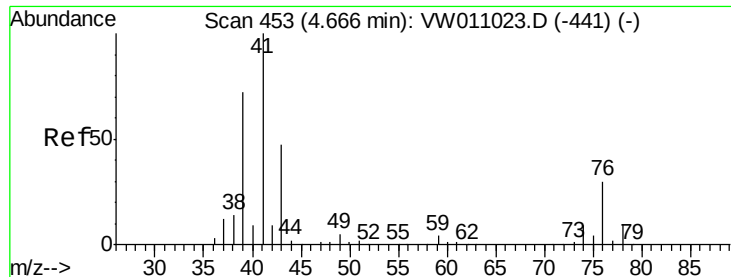


#16

Acetone
 Concen: 6.950 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

Tgt Ion: 43 Resp: 3059
 Ion Ratio Lower Upper
 43 100
 58 33.5 22.5 33.7

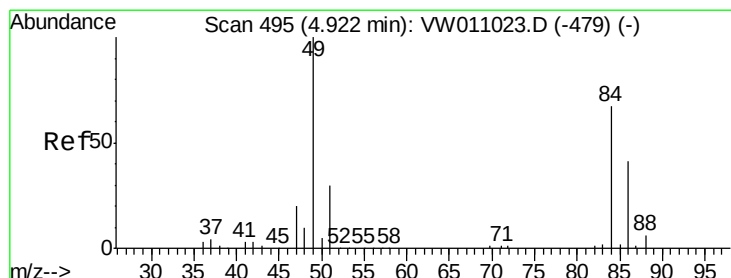
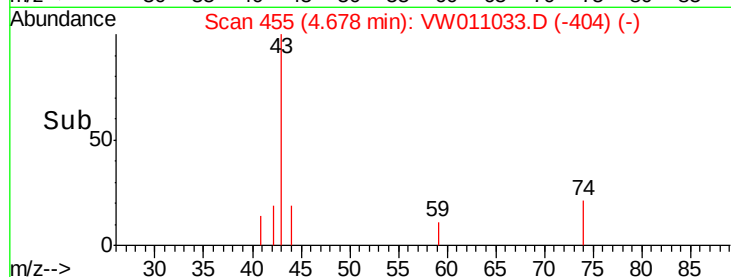
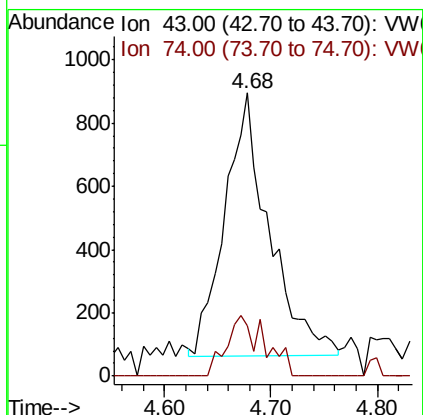
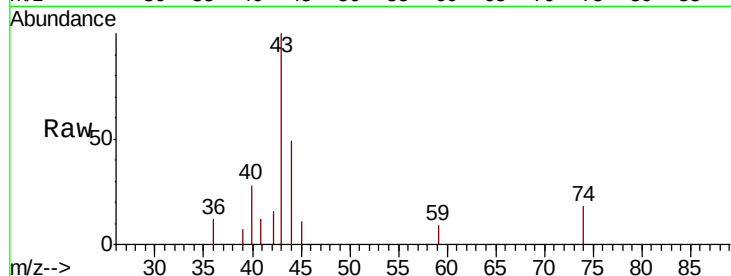




#18
Methyl Acetate
Concen: 2.115 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

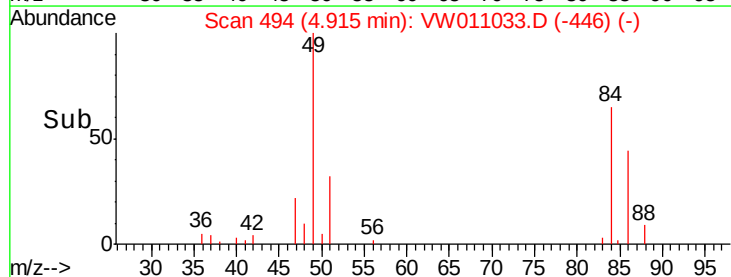
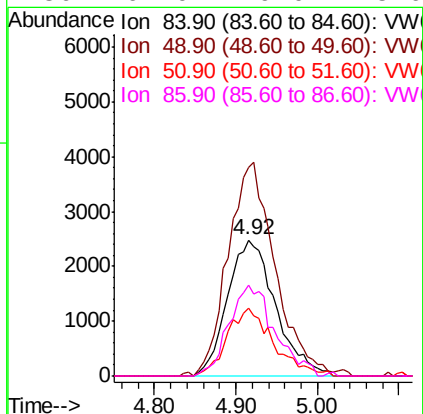
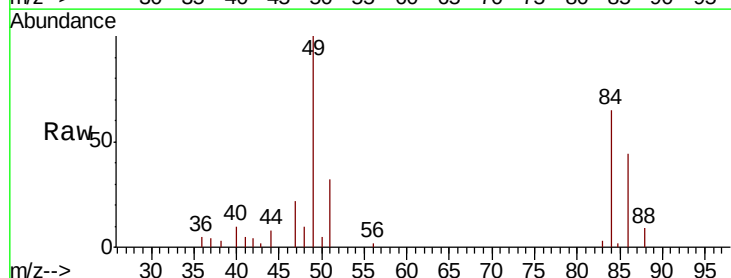
Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE-AREA-SOIL-B

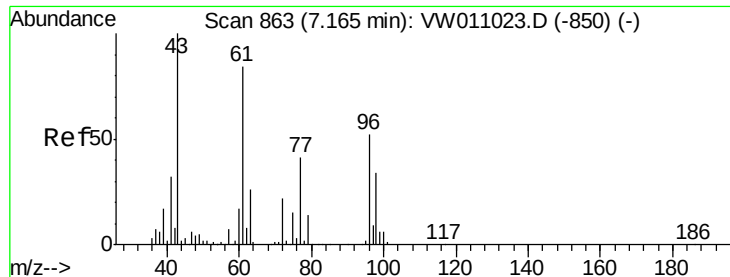
Tot Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 19.9 15.8 23.8



#20
Methylene Chloride
Concen: 5.658 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

Tgt Ion: 84 Resp: 10119
Ion Ratio Lower Upper
84 100
49 150.3 119.6 179.4
51 49.6 35.6 53.4
86 67.0 49.0 73.6





#25

2-Butanone

Concen: 2.097 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW011033.D

Acq: 27 Jun 2019 23:33

Instrument :

MSVOA_W

ClientSampleId :

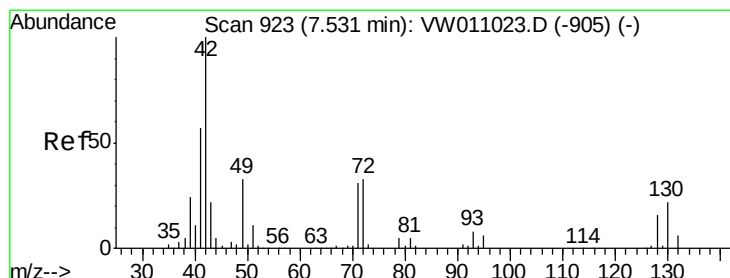
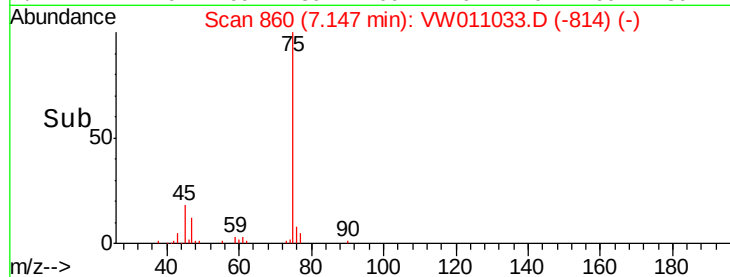
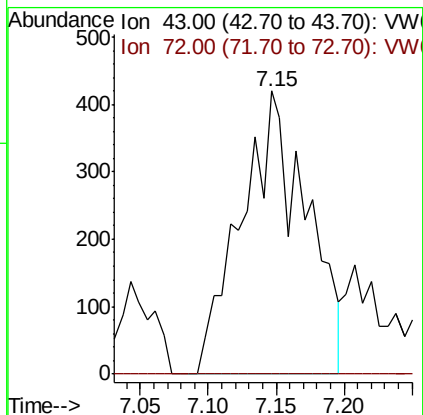
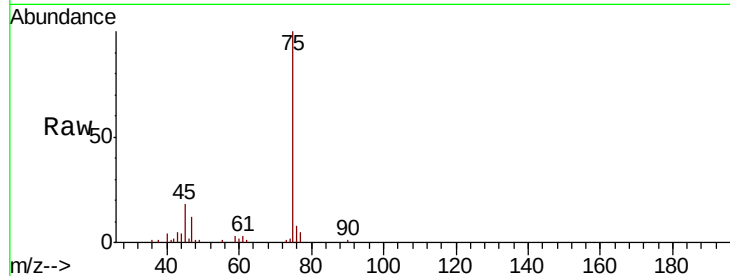
TRIANGLE-AREA-SOIL-B

Tot Ion: 43 Resp: 1403

Ion Ratio Lower Upper

43 100

72 0.0 17.2 25.8#



#29

Tetrahydrofuran

Concen: 1.568 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011033.D

Acq: 27 Jun 2019 23:33

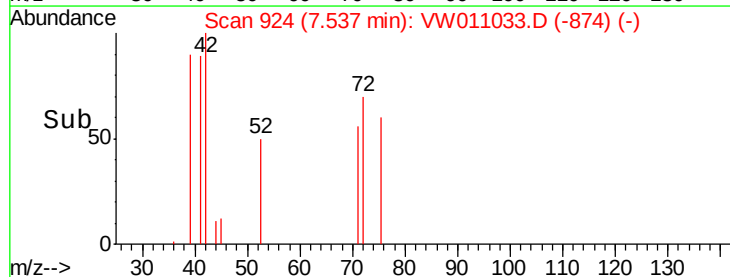
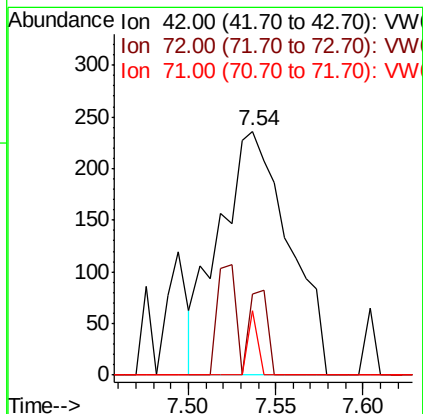
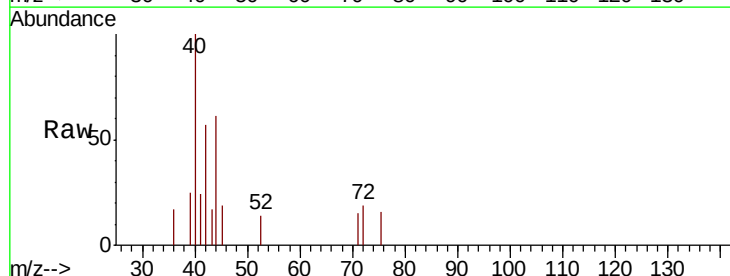
Tgt Ion: 42 Resp: 653

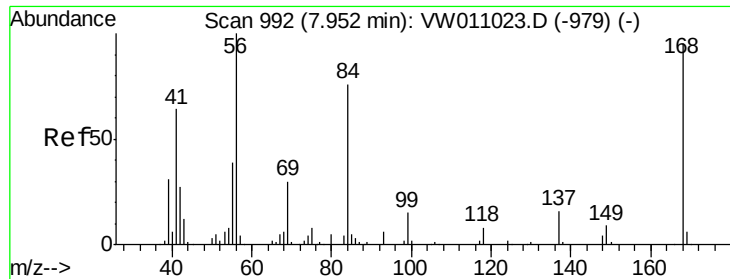
Ion Ratio Lower Upper

42 100

72 9.0 27.4 41.0#

71 3.5 25.6 38.4#

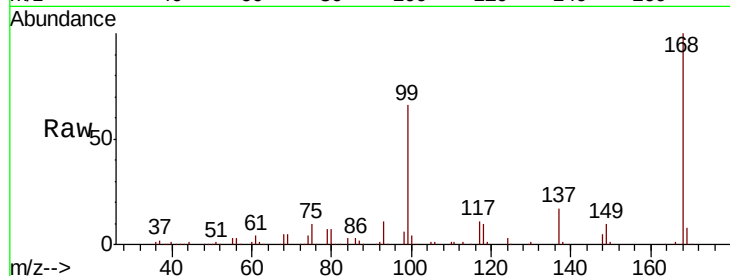




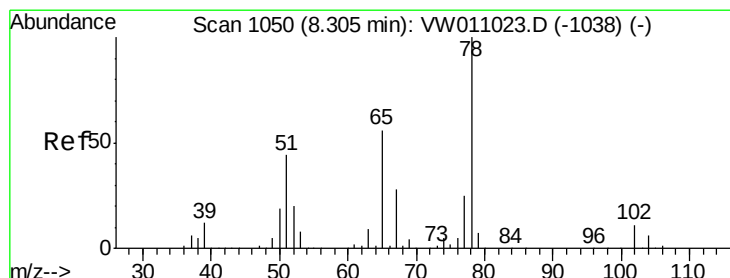
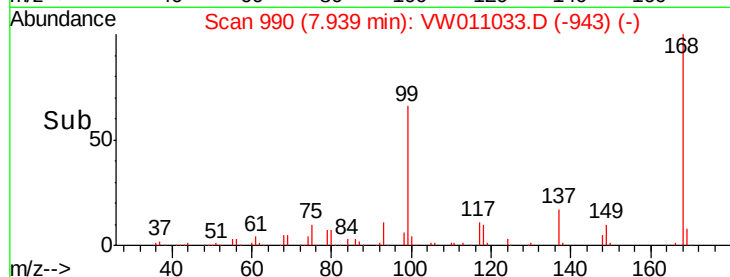
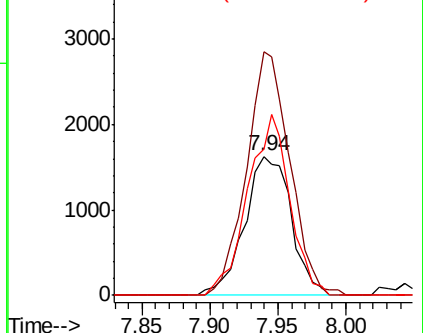
#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

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

Tot Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 175.1 24.2 36.2#
84 105.7 60.6 90.8#

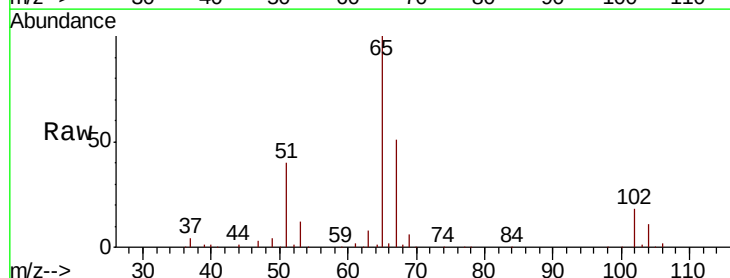


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

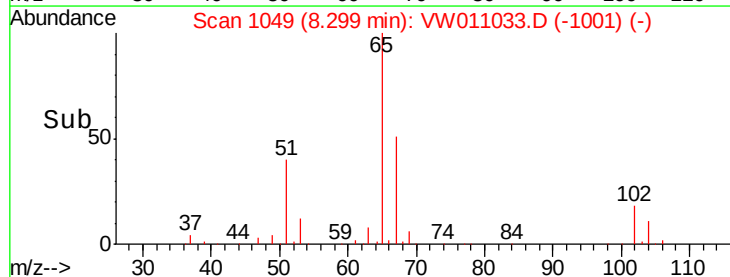
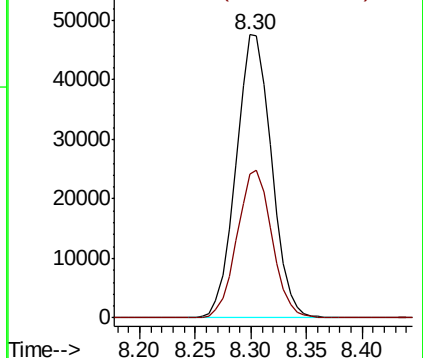


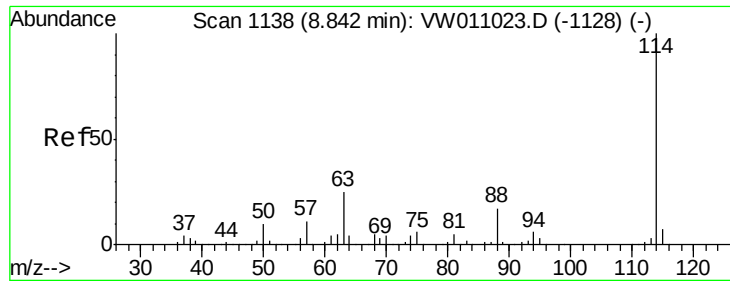
#33
1,2-Dichloroethane-d4
Concen: 58.359 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

Tgt Ion: 65 Resp: 105237
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

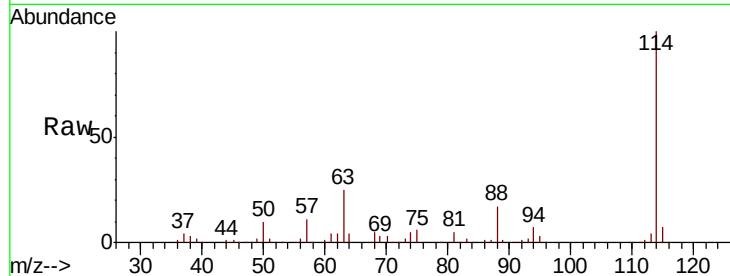




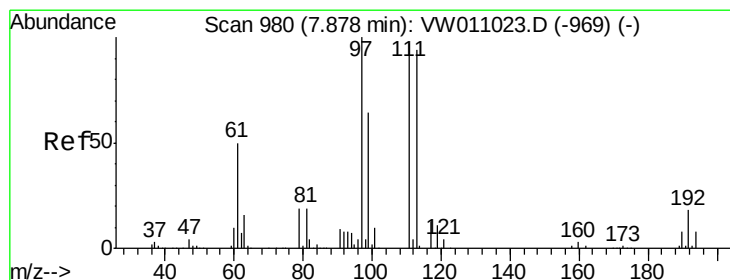
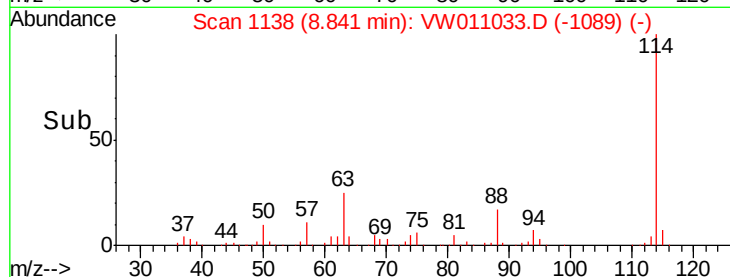
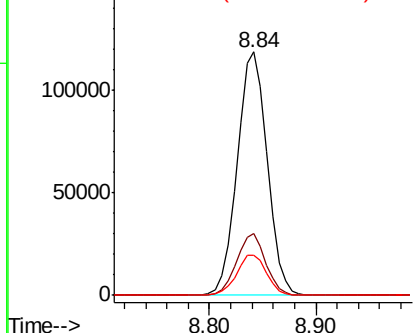
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

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

Tot Ion:114 Resp: 234510
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.6
 88 16.6 0.0 34.0

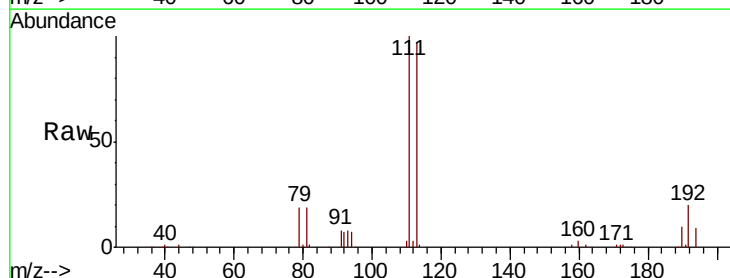


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

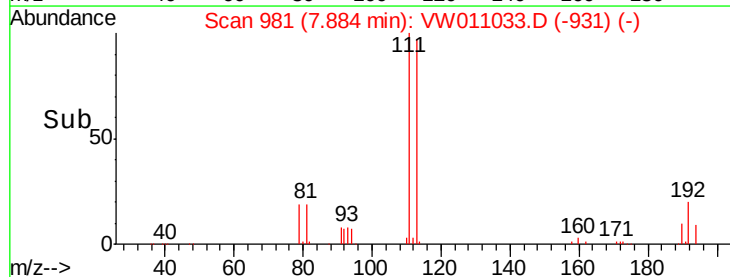
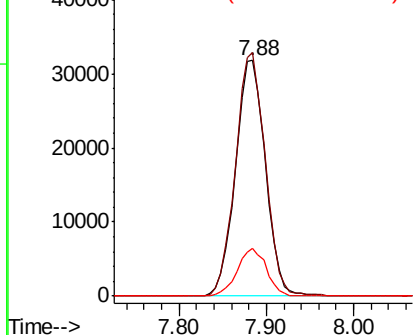


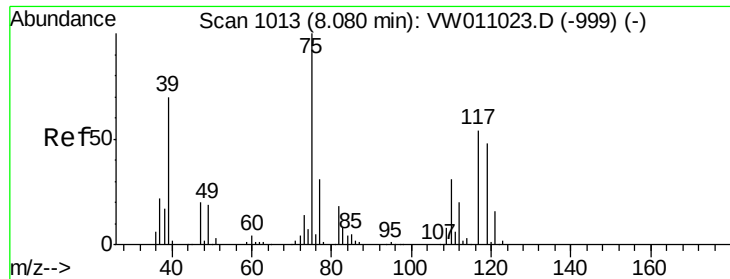
#35
 Dibromofluoromethane
 Concen: 52.863 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

Tgt Ion:113 Resp: 75700
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.8 125.6
 192 19.7 16.0 24.0



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

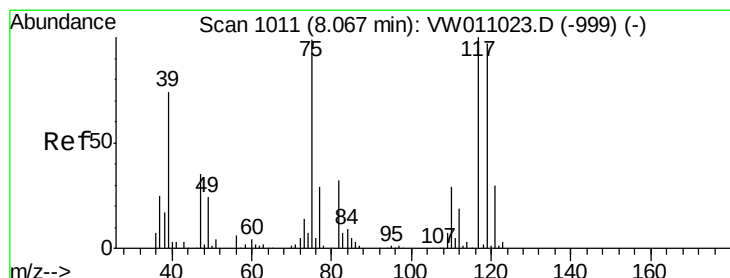
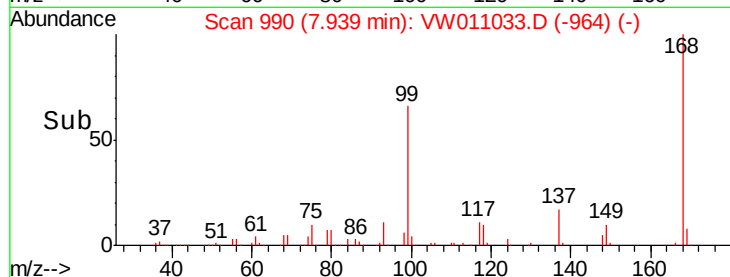
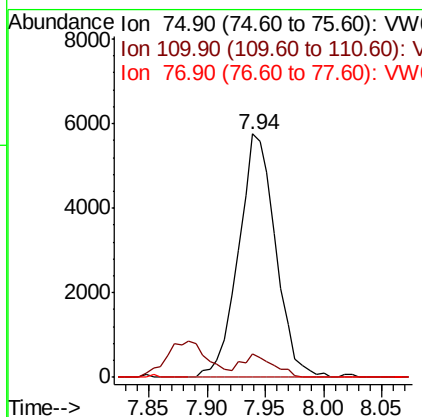
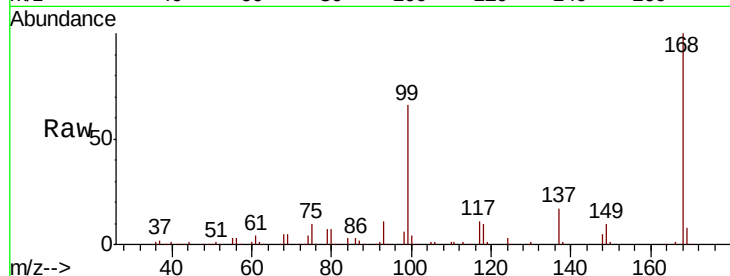




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

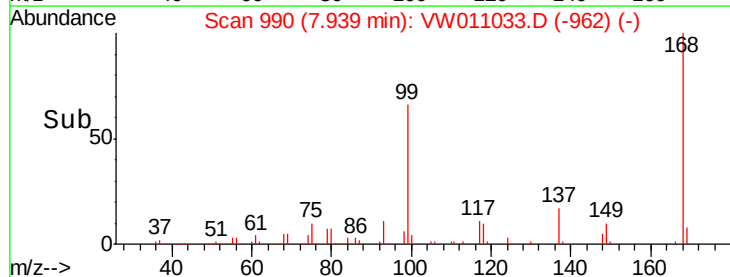
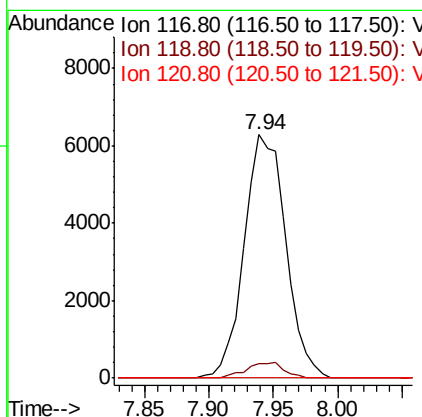
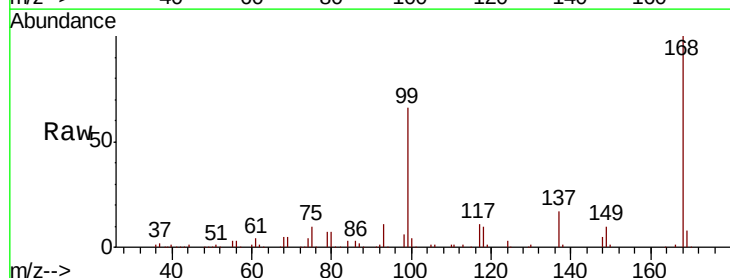
Instrument :
 MSVOA_W
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 TRIANGLE-AREA-SOIL-B

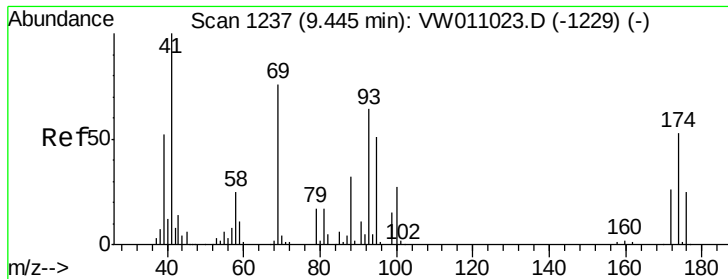
Tot Ion	75	Resp	12751
Ion Ratio	Lower	Upper	
75	100		
110	8.1	15.5	46.5#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.771 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW011033.D
 Acq: 27 Jun 2019 23:33

Tgt Ion	117	Resp	14055
Ion Ratio	Lower	Upper	
117	100		
119	6.1	77.7	116.5#
121	0.0	23.9	35.9#





#49

1,4-Dioxane

Concen: 1.756 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VW011033.D

Acq: 27 Jun 2019 23:33

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE-AREA-SOIL-B

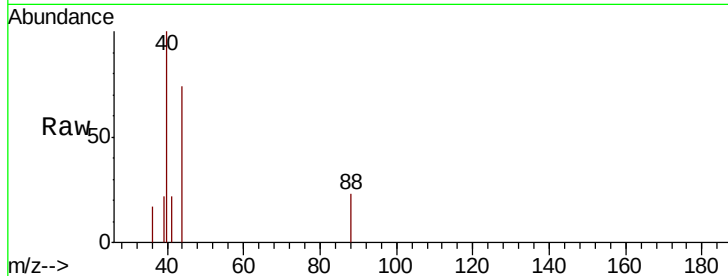
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 100.0 34.4 51.6#

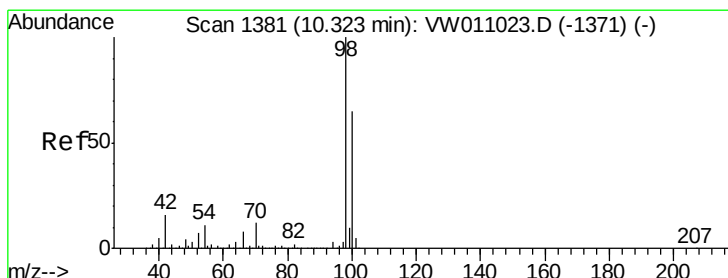
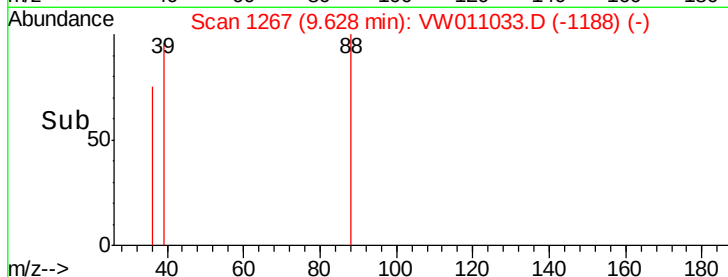
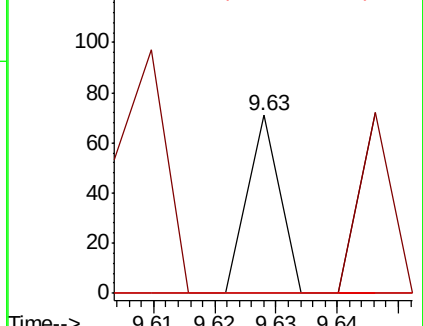
58 0.0 65.2 97.8#



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: 42.446 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011033.D

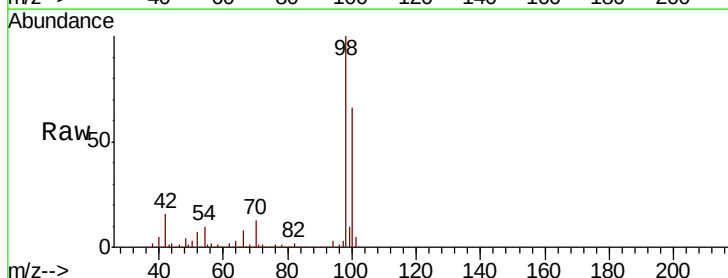
Acq: 27 Jun 2019 23:33

Tgt Ion: 98 Resp: 250199

Ion Ratio Lower Upper

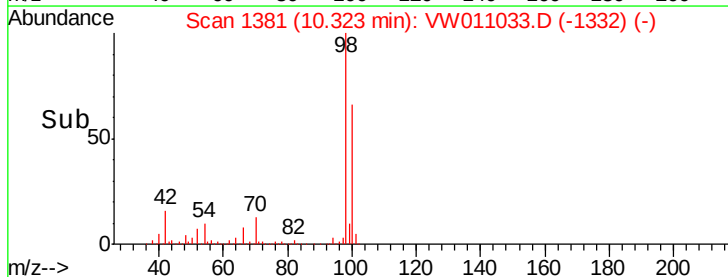
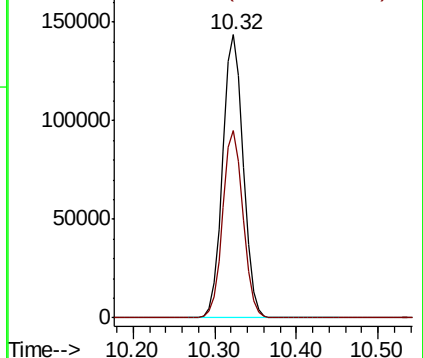
98 100

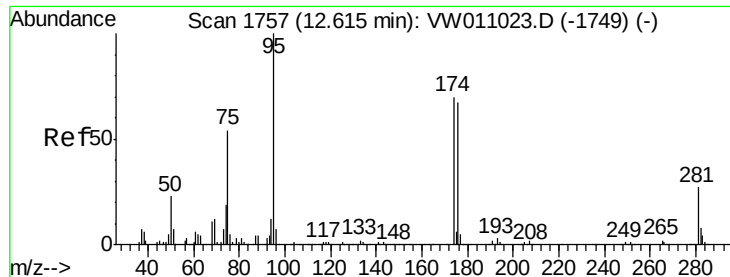
100 65.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

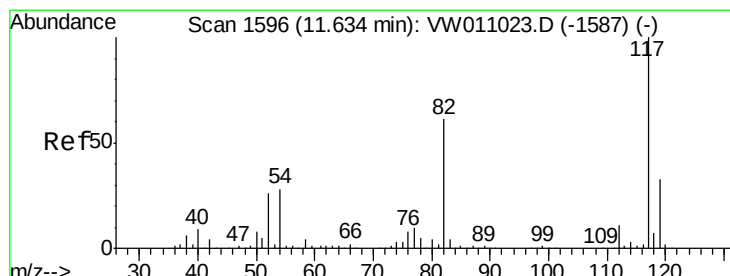
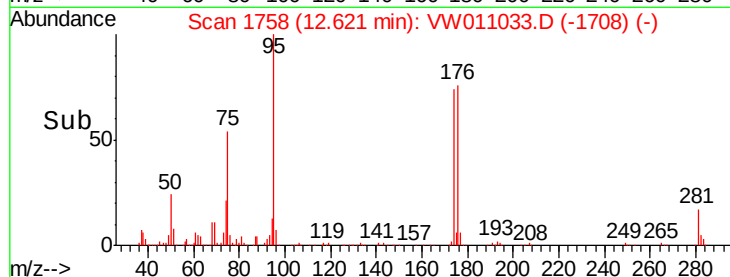
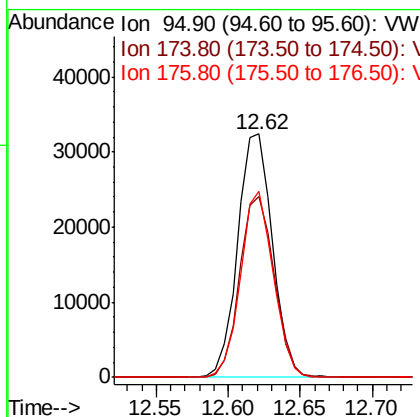
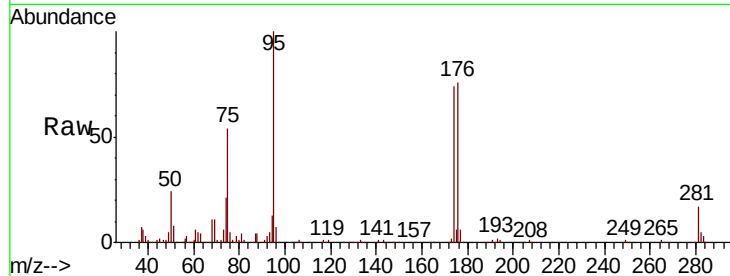




#62
4-Bromofluorobenzene
Concen: 25.067 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

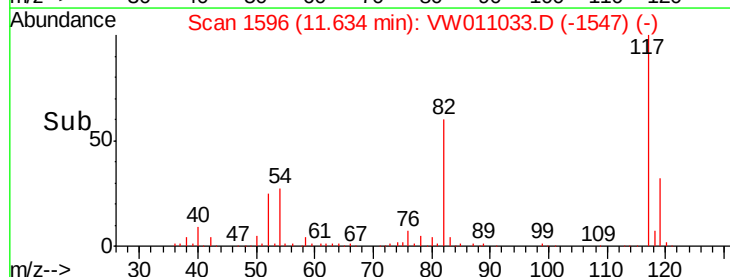
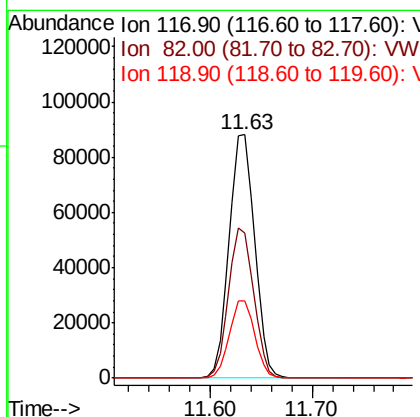
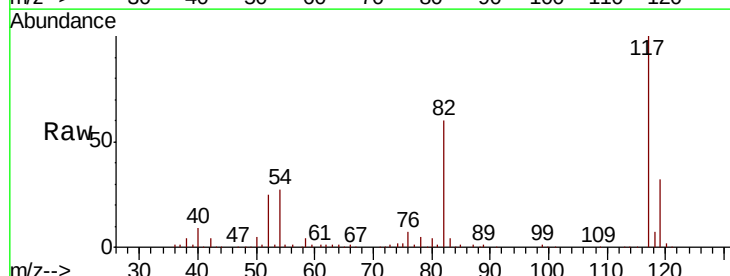
Instrument :
MSVOA_W
ClientSampleId :
TRIANGLE-AREA-SOIL-B

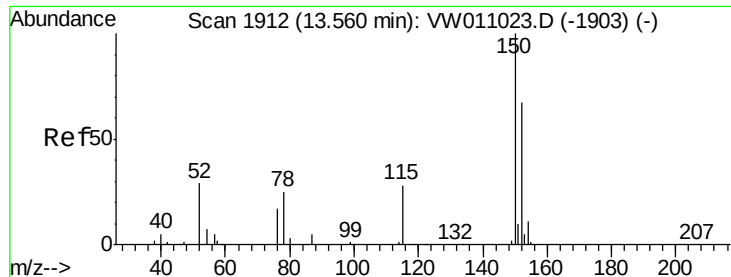
Tot Ion: 95 Resp: 54043
Ion Ratio Lower Upper
95 100
174 74.4 0.0 149.2
176 72.1 0.0 143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

Tgt Ion: 117 Resp: 152914
Ion Ratio Lower Upper
117 100
82 59.7 48.6 73.0
119 31.6 26.1 39.1



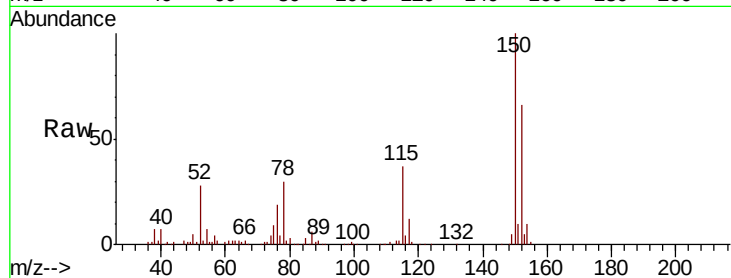


#72

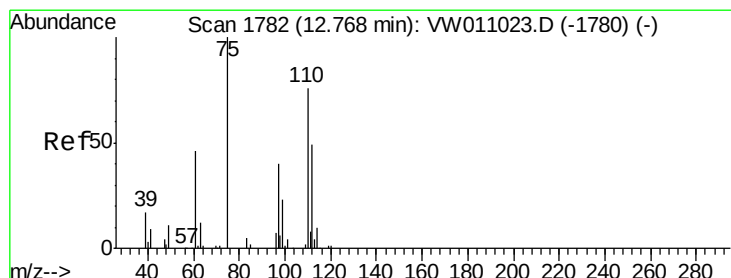
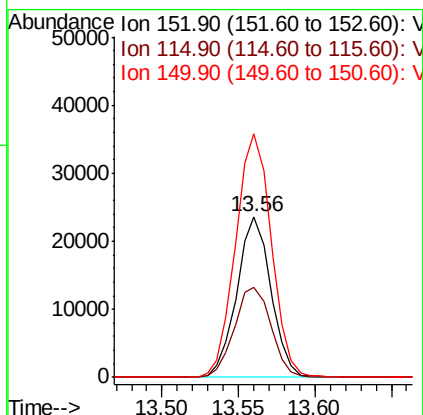
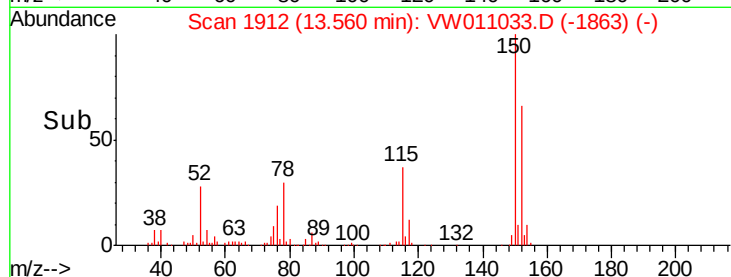
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

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

Tot Ion:152 Resp: 36613
Ion Ratio Lower Upper
152 100
115 60.5 30.7 92.1
150 158.5 0.0 341.8



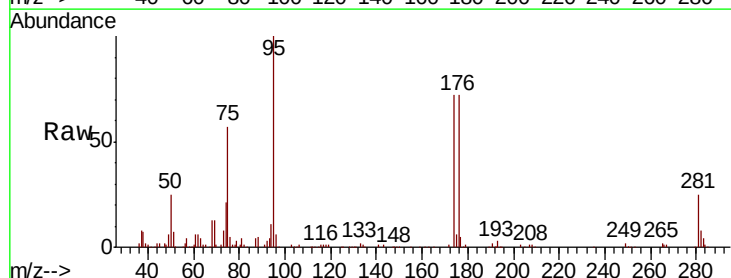
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



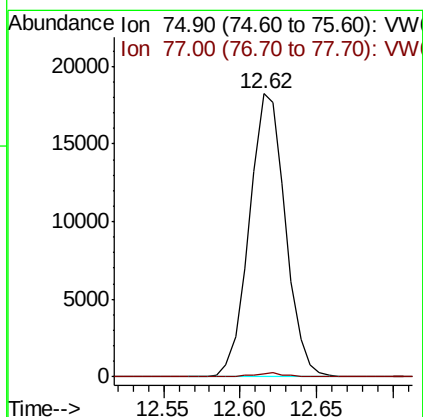
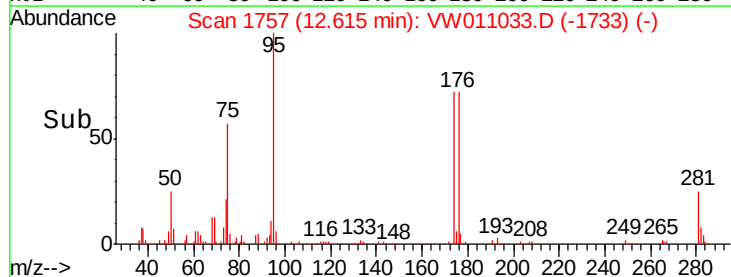
#76

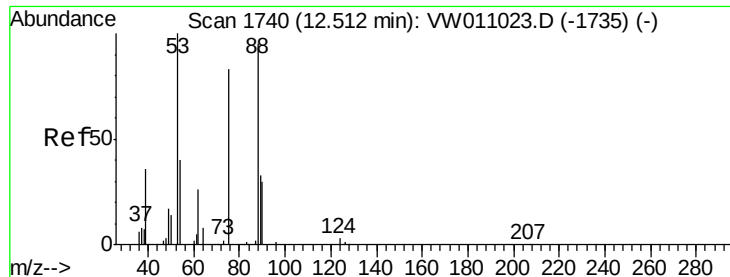
1,2,3-Trichloropropane
Concen: 77.294 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW011033.D
Acq: 27 Jun 2019 23:33

Tgt Ion: 75 Resp: 29877
Ion Ratio Lower Upper
75 100
77 1.1 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: 155.069 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011033.D

Acq: 27 Jun 2019 23:33

Instrument :

MSVOA_W

ClientSampleId :

TRIANGLE-AREA-SOIL-B

Tot Ion: 75 Resp: 29877

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.1 34.4 51.6#

