

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012614.D
 Acq On : 05 Sep 2019 03:07
 Operator : SY/VA
 Sample : K4547-03
 Misc : 4.40G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(2.5)

Quant Time: Sep 05 07:04:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	175164	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	7.88	113	131942	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	500722	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	143599	40.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.36%	

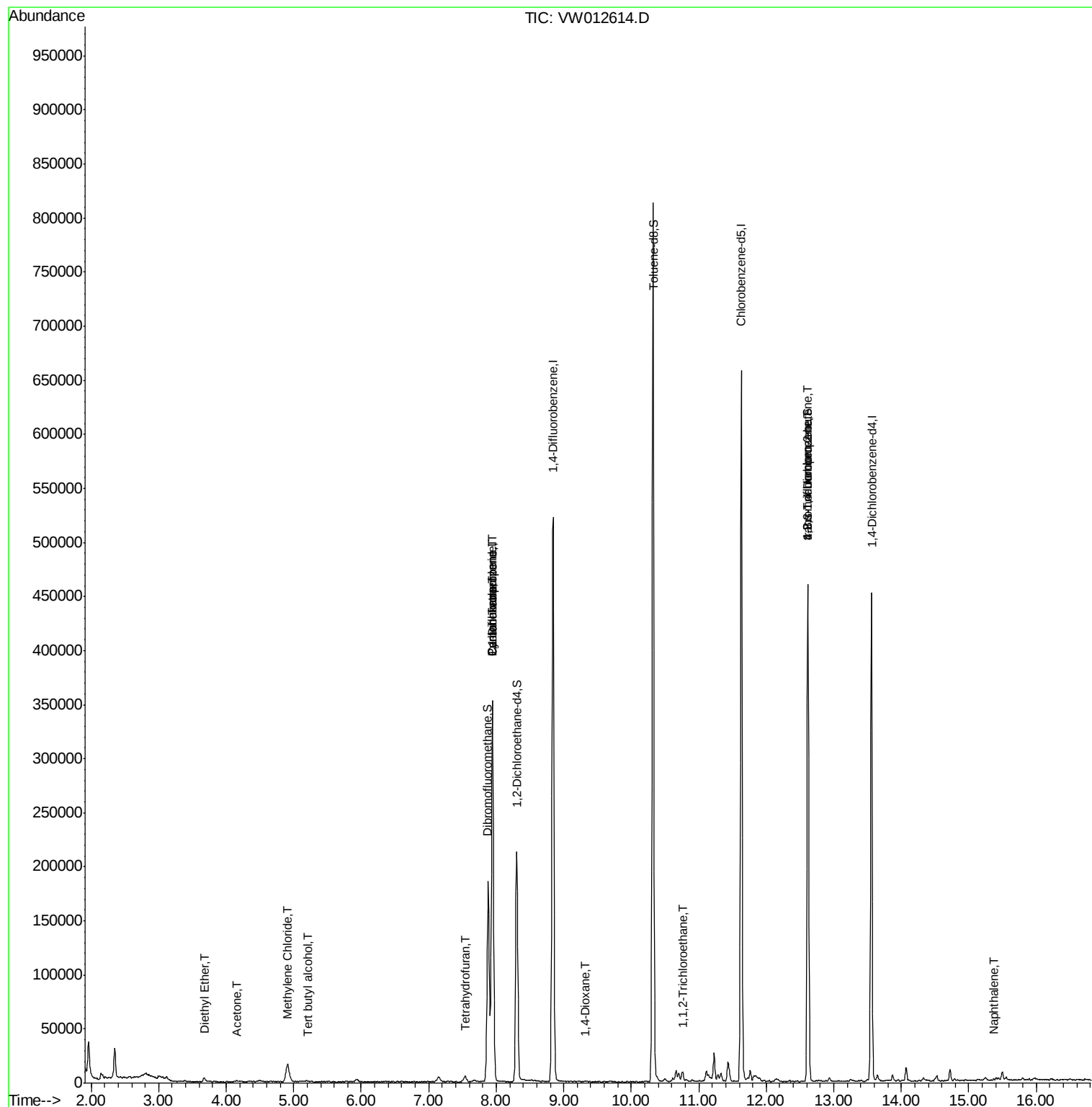
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2036	1.425	ug/l	85
11) Tert butyl alcohol	5.20	59	672	3.659	ug/l #	79
16) Acetone	4.15	43	1443	1.850	ug/l	93
20) Methylene Chloride	4.92	84	11994	4.068	ug/l	90
29) Tetrahydrofuran	7.54	42	4555	7.163	ug/l	95
31) Cyclohexane	7.94	56	6524	1.187	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	22414	5.177	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25729	6.866	ug/l #	16
49) 1,4-Dioxane	9.32	88	23	1.061	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	2914	1.455	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	80887	74.010	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80887	162.271	ug/l #	6
95) Naphthalene	15.37	128	704	4.473	ug/l #	94

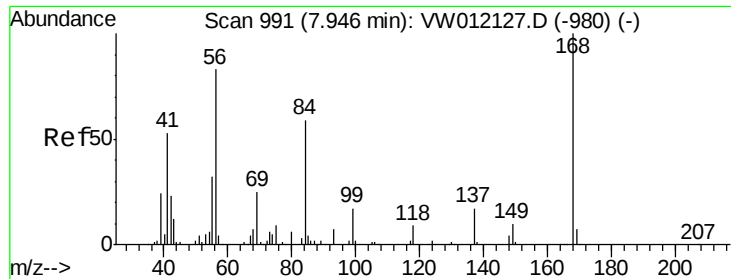
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
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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: VW012614.D

Acq: 05 Sep 2019 03:07

Instrument :

MSVOA_W

ClientSampleId :

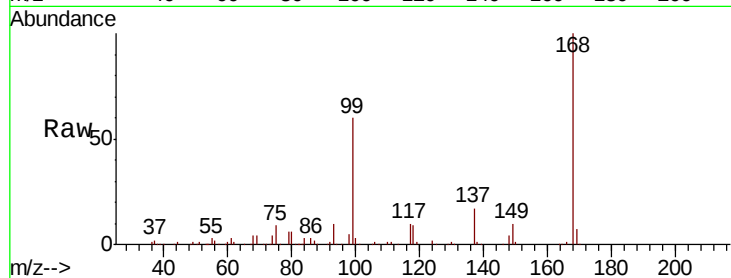
T3-S-D-(2.5)

Tgt Ion:168 Resp: 256689

Ion Ratio Lower Upper

168 100

99 60.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

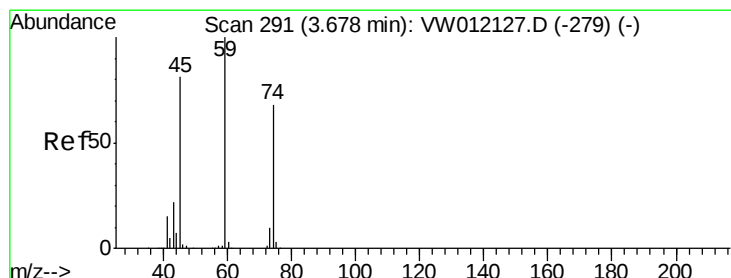
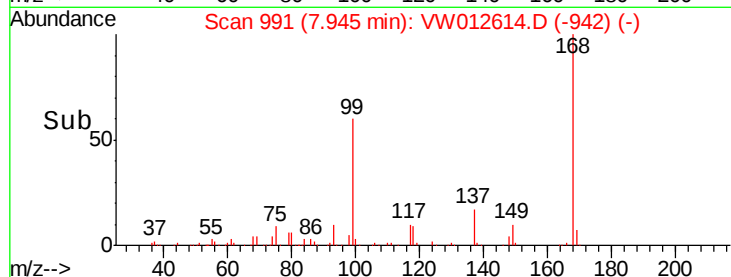
100000

50000

0

Time-->

7.90 8.00



#8

Diethyl Ether

Concen: 1.425 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012614.D

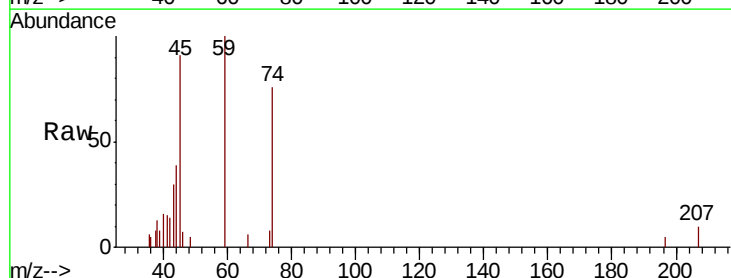
Acq: 05 Sep 2019 03:07

Tgt Ion: 74 Resp: 2036

Ion Ratio Lower Upper

74 100

45 135.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

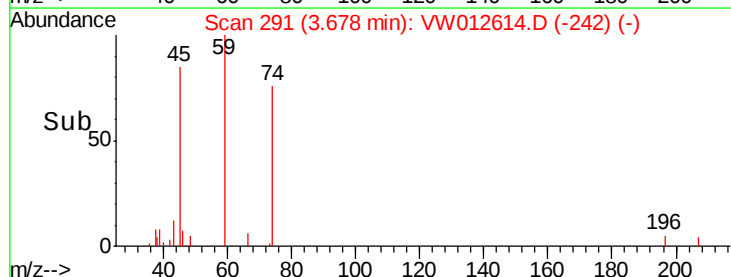
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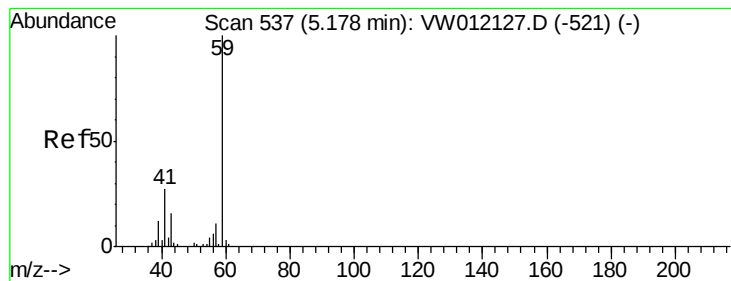
200

0

Time-->

3.60 3.65 3.70 3.75



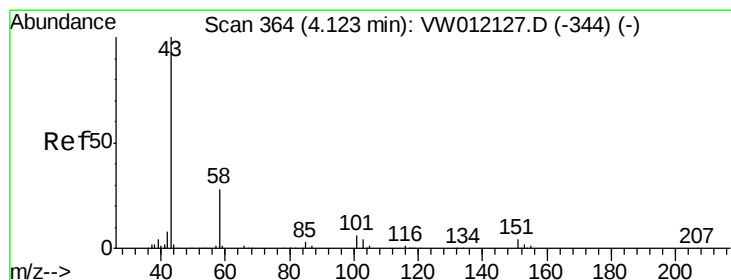
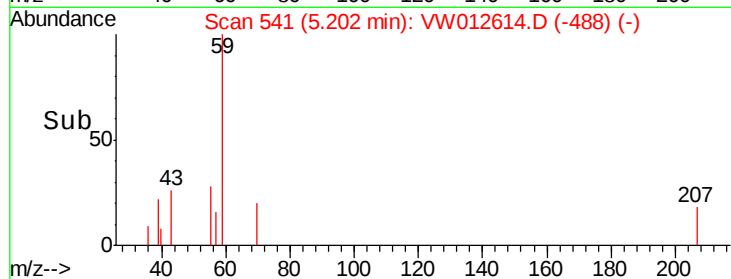
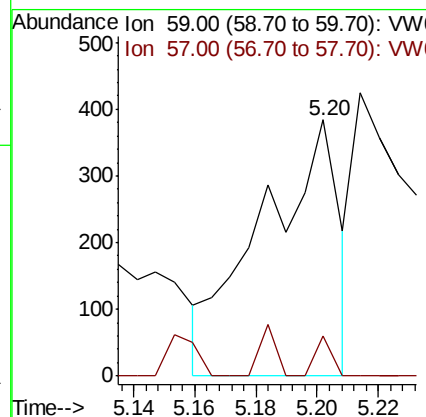
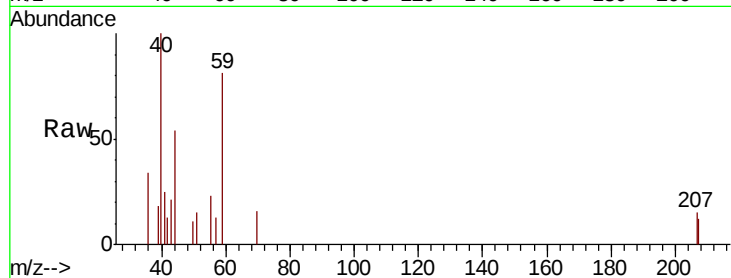


#11

Tert butyl alcohol
 Concen: 3.659 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.02 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

Instrument :
 MSVOA_W
 ClientSampled :
 T3-S-D-(2.5)

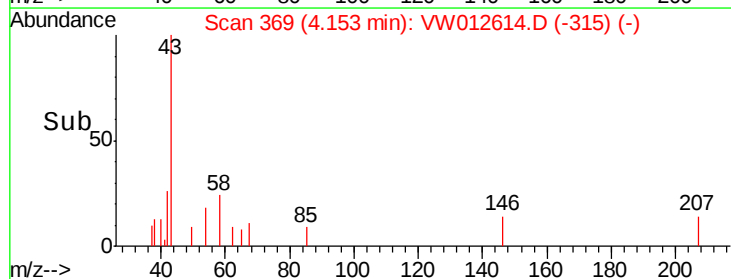
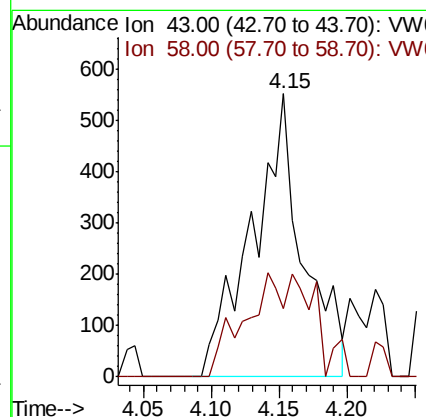
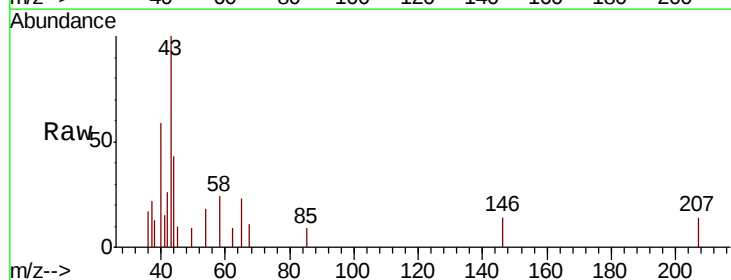
Tgt Ion: 59 Resp: 672
 Ion Ratio Lower Upper
 59 100
 57 3.3 9.0 13.4#

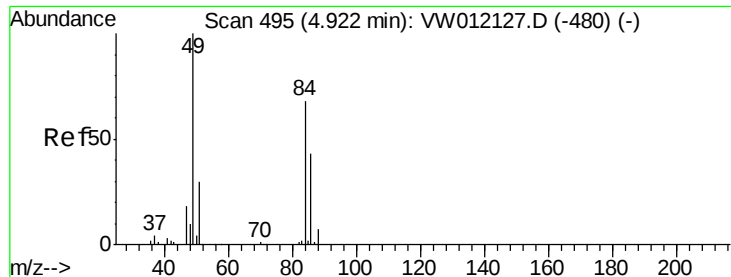


#16

Acetone
 Concen: 1.850 ug/l
 RT: 4.15 min Scan# 369
 Delta R.T. 0.03 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

Tgt Ion: 43 Resp: 1443
 Ion Ratio Lower Upper
 43 100
 58 24.3 22.4 33.6





#20

Methylene Chloride

Concen: 4.068 ug/l

RT: 4.92 min Scan# 494

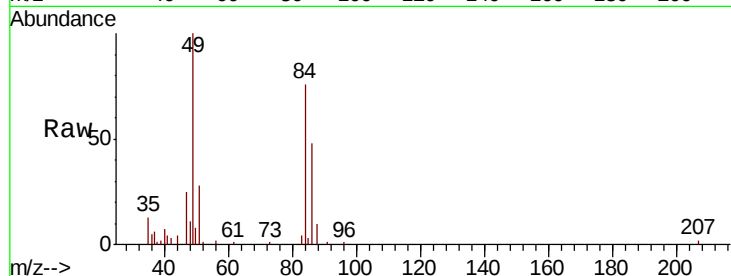
Delta R.T. -0.01 min

Lab File: VW012614.D

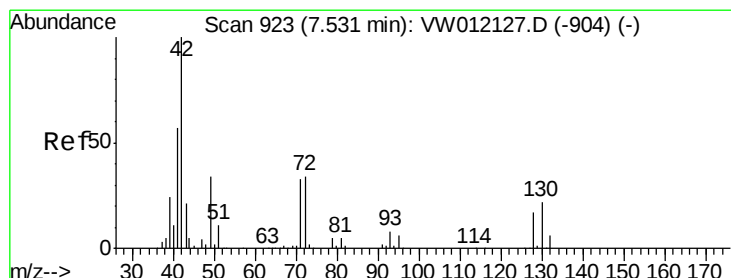
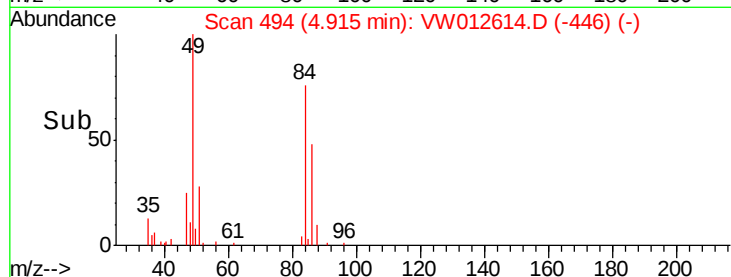
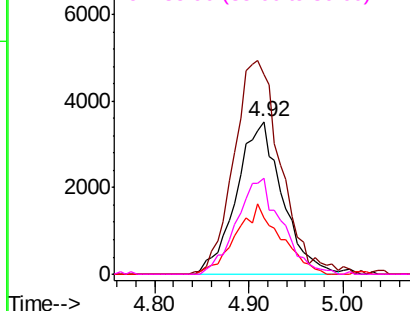
Acq: 05 Sep 2019 03:07

Instrument :
MSVOA_W
ClientSampleId :
T3-S-D-(2.5)

Tgt Ion:	84	Resp:	11994
Ion	Ratio	Lower	Upper
84	100		
49	131.1	117.8	176.8
51	37.0	35.6	53.4
86	62.8	51.2	76.8



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



#29

Tetrahydrofuran

Concen: 7.163 ug/l

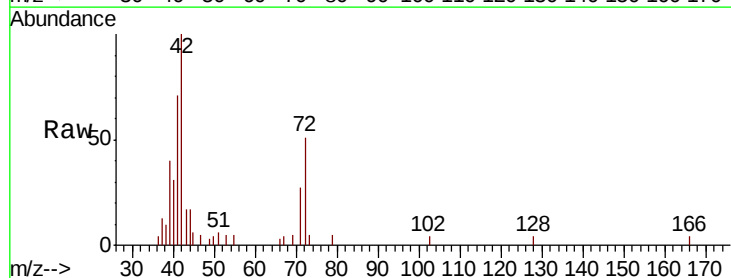
RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

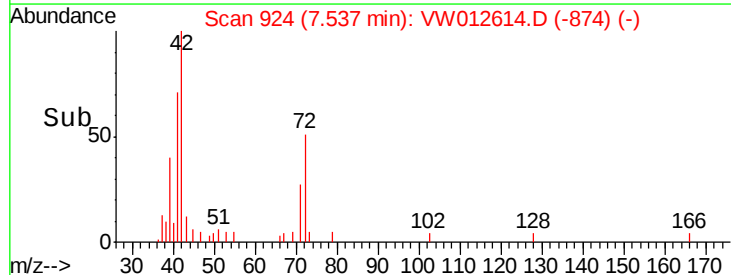
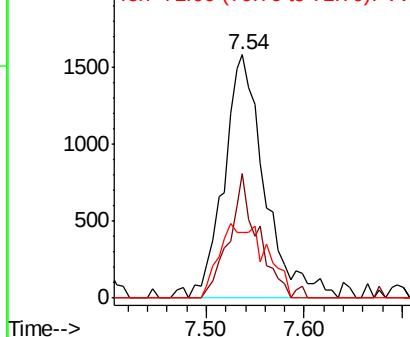
Lab File: VW012614.D

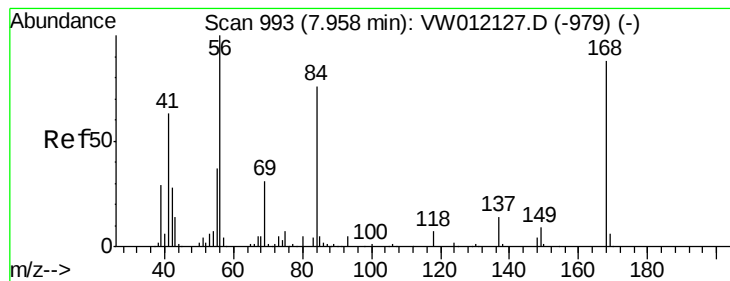
Acq: 05 Sep 2019 03:07

Tgt Ion:	42	Resp:	4555
Ion	Ratio	Lower	Upper
42	100		
72	36.3	27.3	40.9
71	35.1	25.5	38.3



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: 1.187 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012614.D

Acq: 05 Sep 2019 03:07

Instrument :

MSVOA_W

ClientSampleId :

T3-S-D-(2.5)

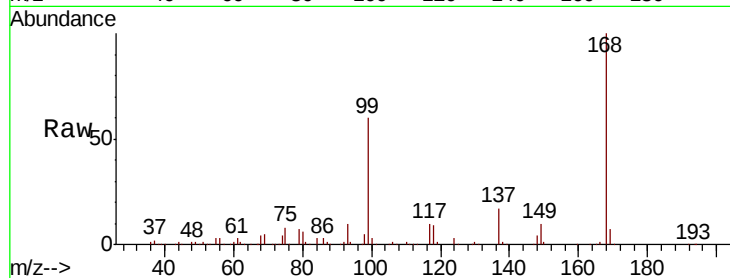
Tgt Ion: 56 Resp: 6524

Ion Ratio Lower Upper

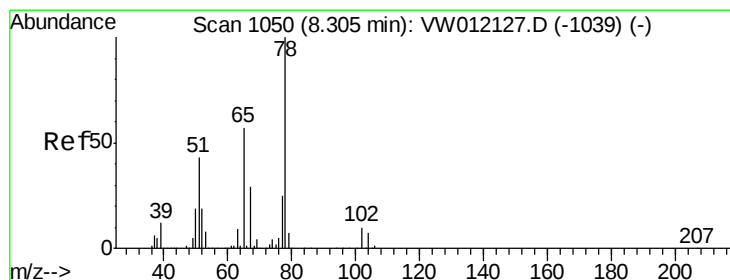
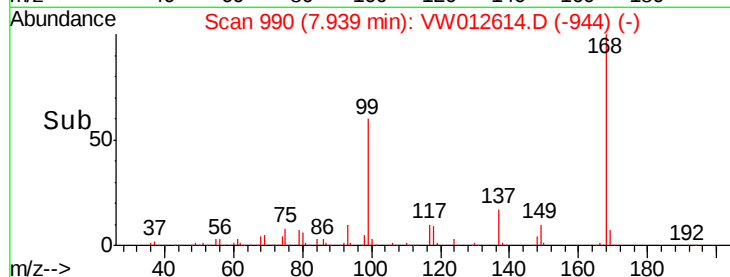
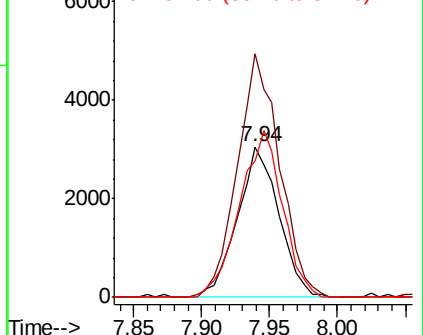
56 100

69 162.0 24.9 37.3#

84 90.1 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: 57.404 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012614.D

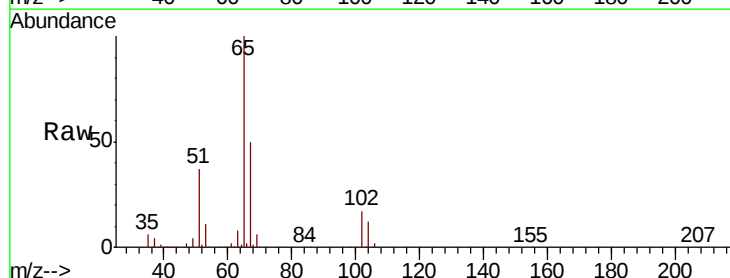
Acq: 05 Sep 2019 03:07

Tgt Ion: 65 Resp: 175164

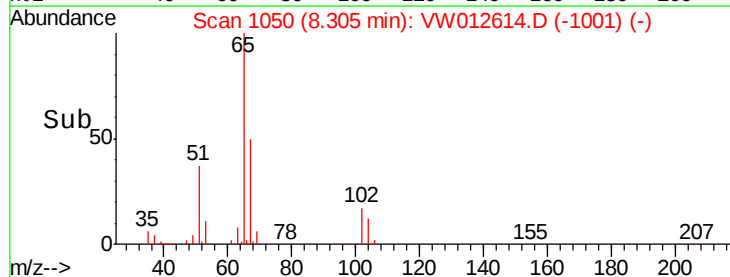
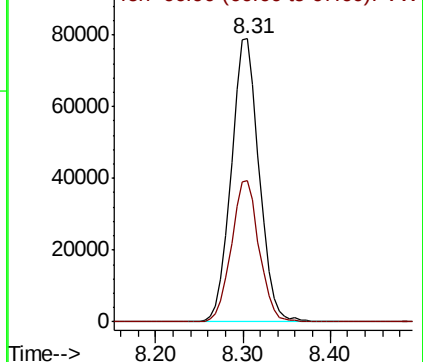
Ion Ratio Lower Upper

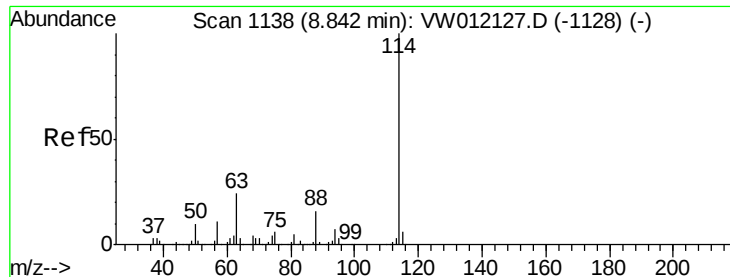
65 100

67 49.8 0.0 102.6



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

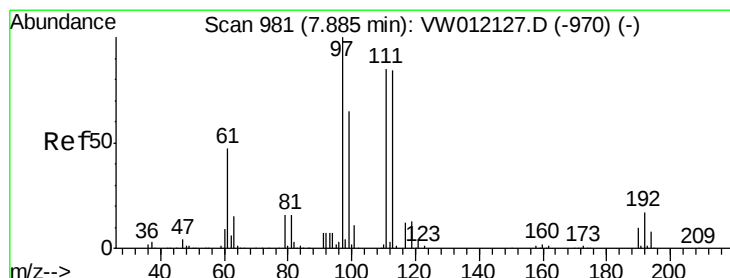
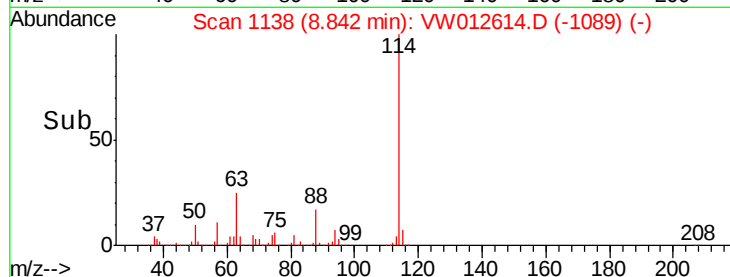
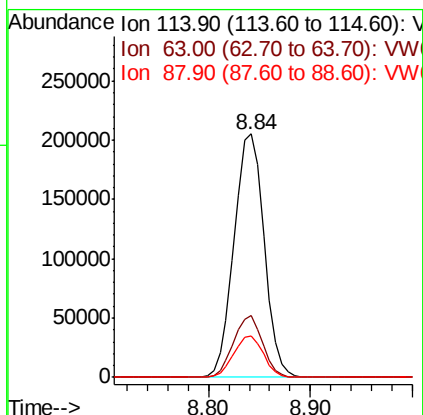
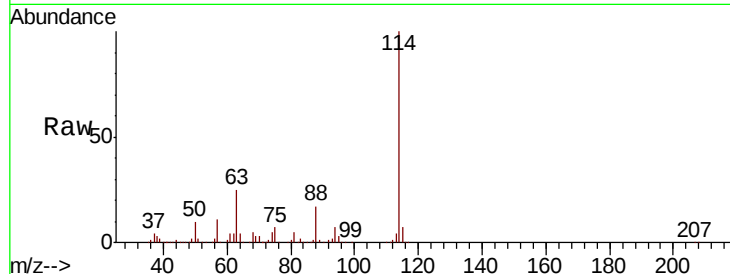




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

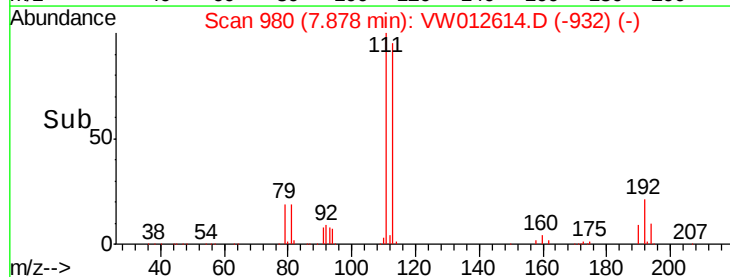
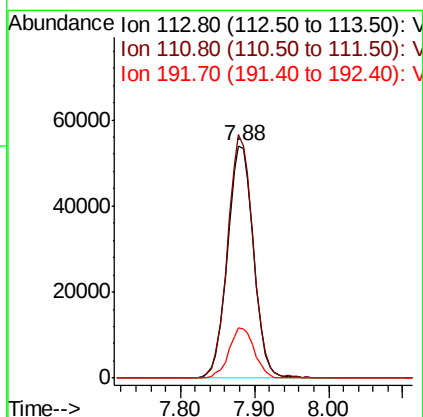
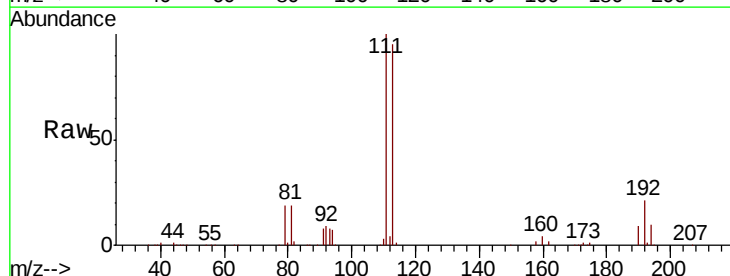
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(2.5)

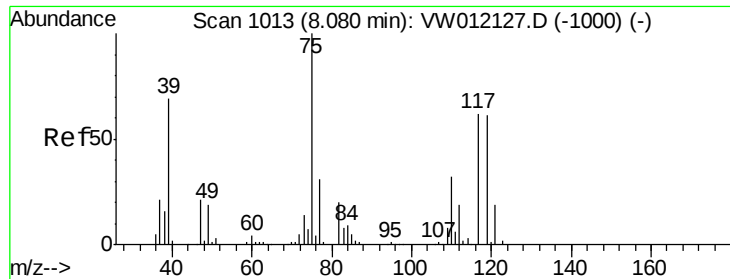
Tgt Ion:114 Resp: 418944
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 48.6
 88 17.1 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 52.762 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

Tgt Ion:113 Resp: 131942
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.9 16.2 24.2

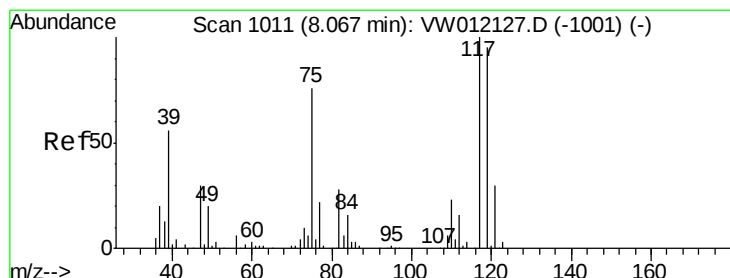
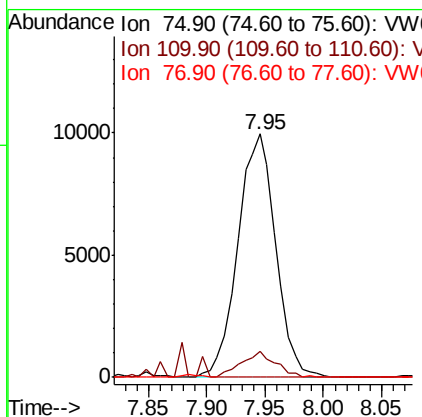
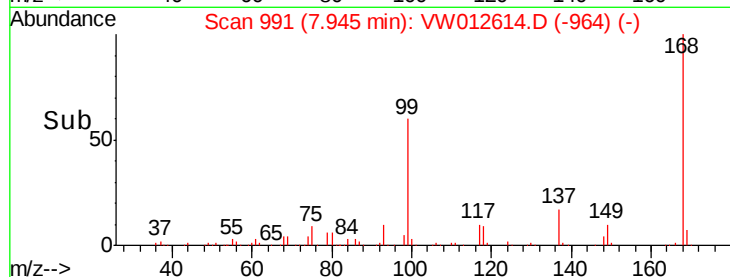
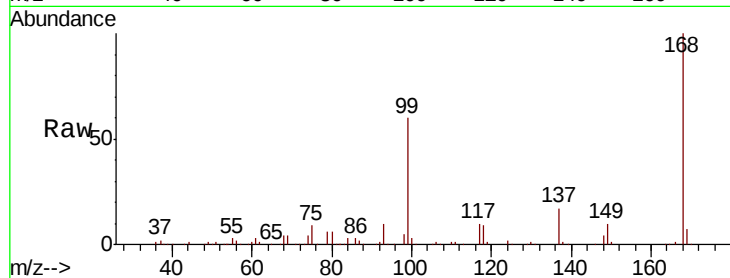




#36
 1,1-Dichloropropene
 Concen: 5.177 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

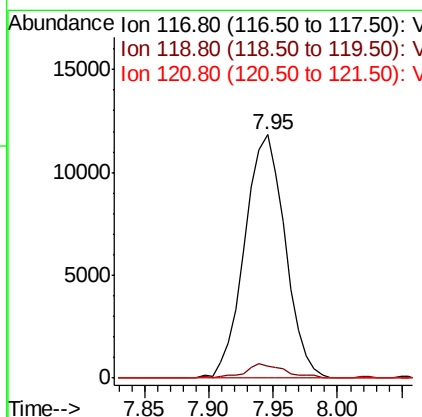
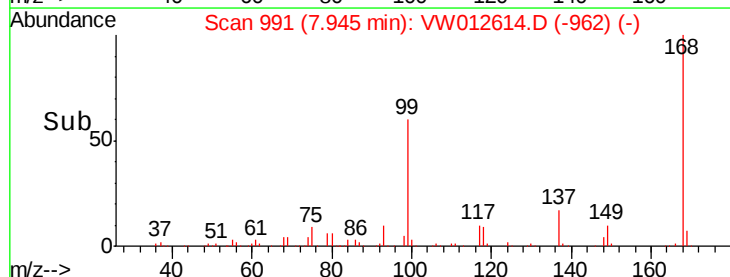
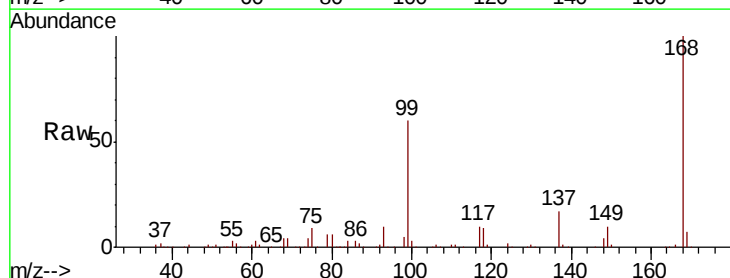
Instrument :
 MSVOA_W
 ClientSampled :
 T3-S-D-(2.5)

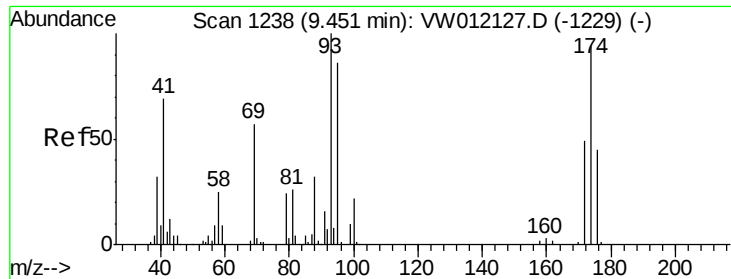
Tgt Ion: 75 Resp: 22414
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.866 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

Tgt Ion: 117 Resp: 25729
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.061 ug/l

RT: 9.32 min Scan# 1217

Delta R.T. -0.13 min

Lab File: VW012614.D

Acq: 05 Sep 2019 03:07

Instrument :

MSVOA_W

ClientSampled :

T3-S-D-(2.5)

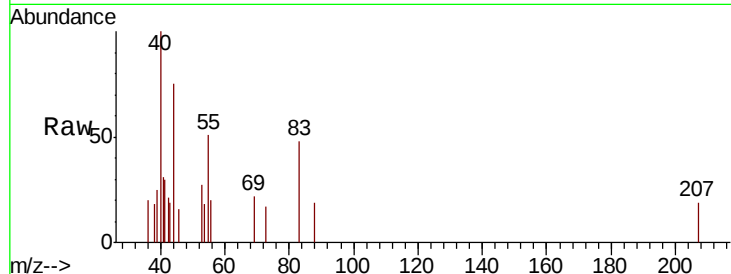
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 300.0 32.9 49.3#

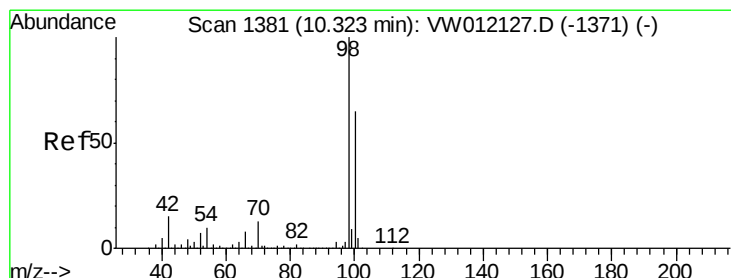
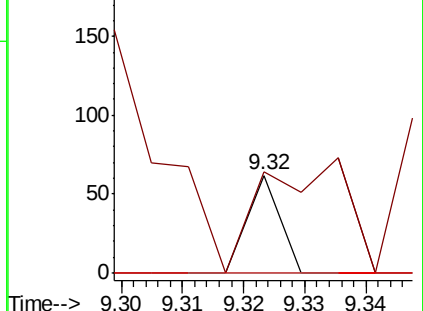
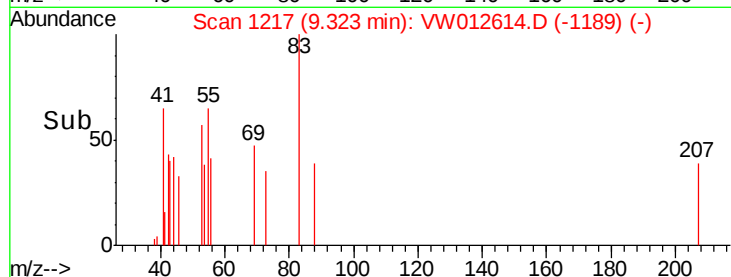
58 0.0 71.0 106.4#



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: 49.383 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012614.D

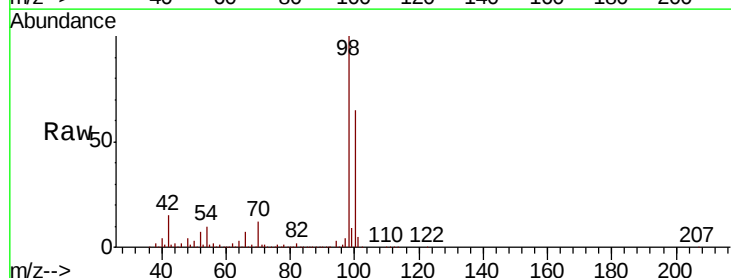
Acq: 05 Sep 2019 03:07

Tgt Ion: 98 Resp: 500722

Ion Ratio Lower Upper

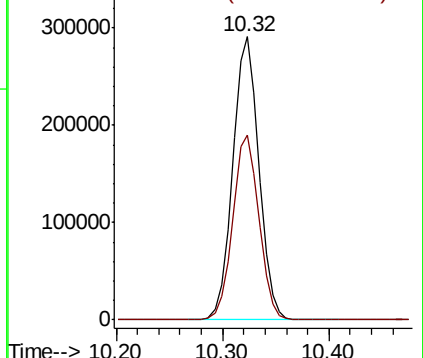
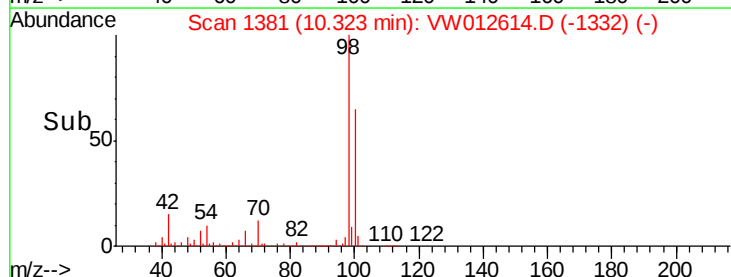
98 100

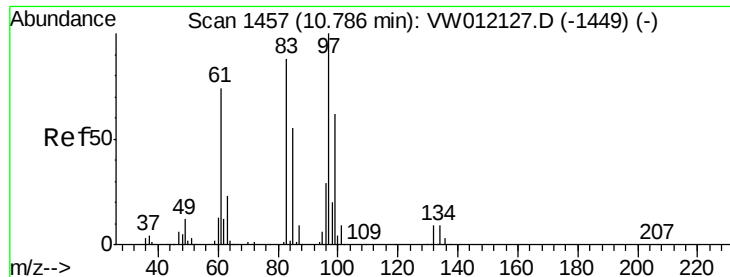
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#55

1,1,2-Trichloroethane

Concen: 1.455 ug/l

RT: 10.76 min Scan# 1452

Delta R.T. -0.03 min

Lab File: VW012614.D

Acq: 05 Sep 2019 03:07

Instrument :

MSVOA_W

ClientSampleId :

T3-S-D-(2.5)

Tgt Ion: 97 Resp: 2914

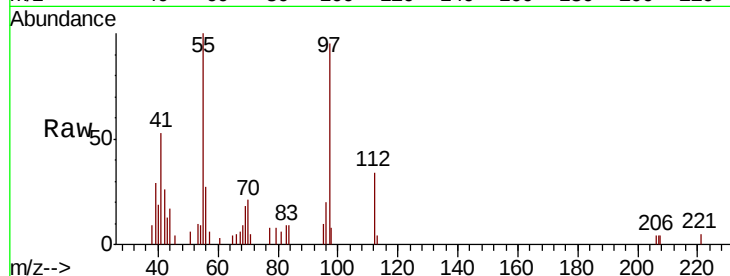
Ion Ratio Lower Upper

97 100

83 9.9 70.8 106.2#

85 0.0 43.8 65.8#

99 0.0 49.8 74.6#

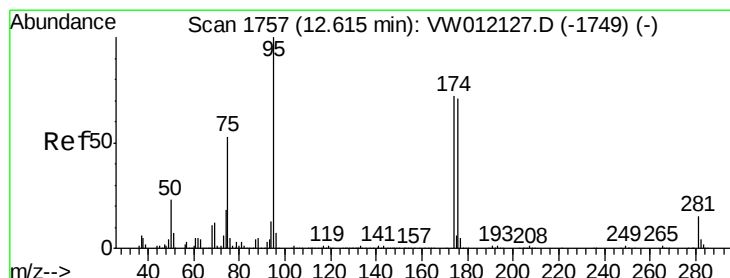
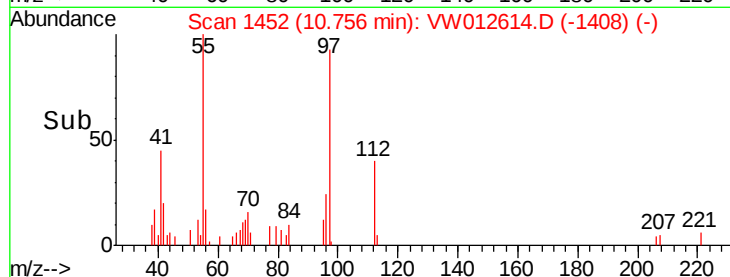
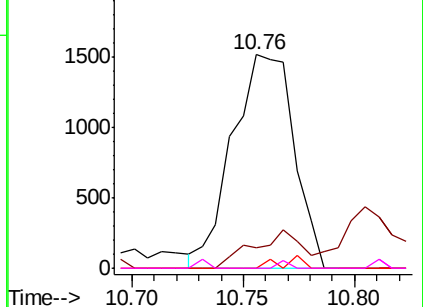


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#62

4-Bromofluorobenzene

Concen: 40.177 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012614.D

Acq: 05 Sep 2019 03:07

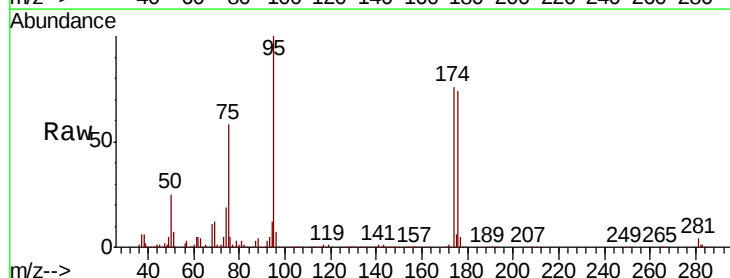
Tgt Ion: 95 Resp: 143599

Ion Ratio Lower Upper

95 100

174 79.0 0.0 150.8

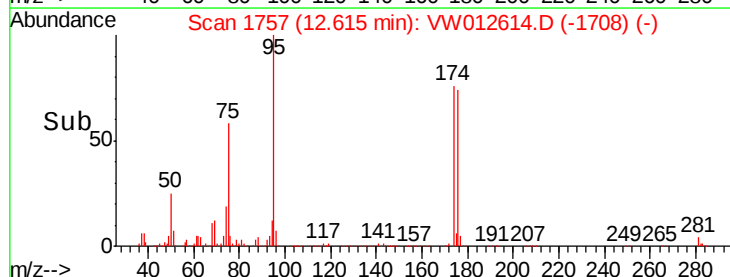
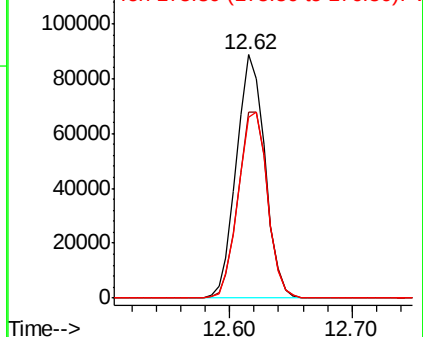
176 78.2 0.0 148.6

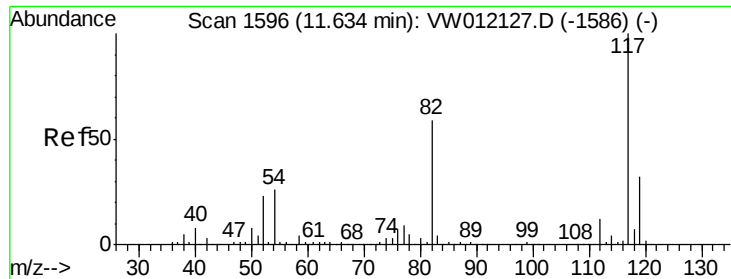


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

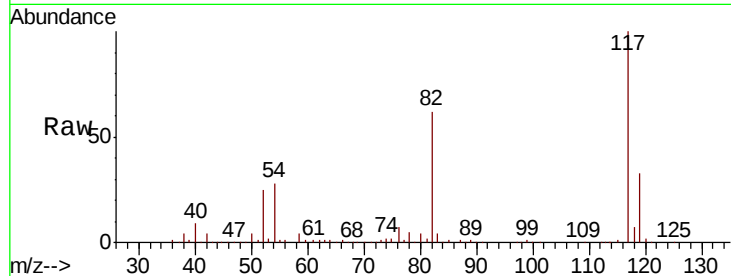




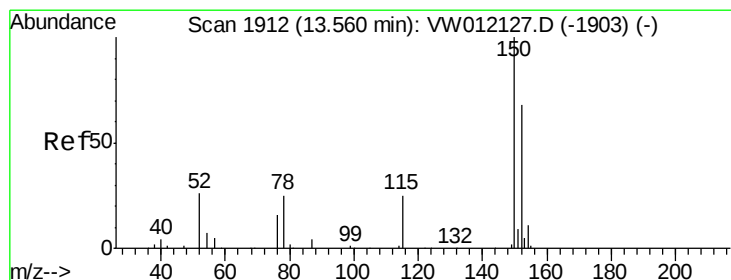
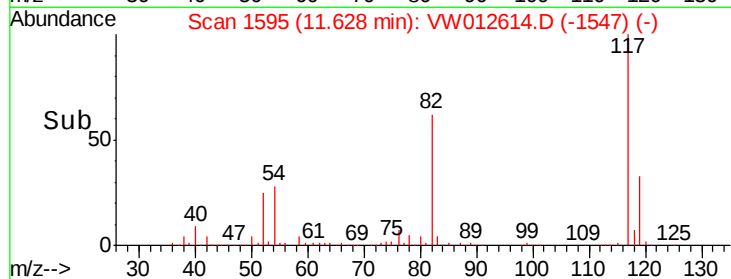
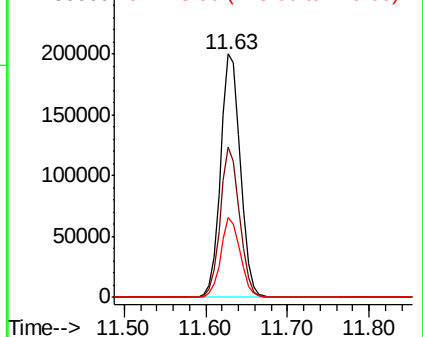
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012614.D
Acq: 05 Sep 2019 03:07

Instrument :
MSVOA_W
ClientSampleId :
T3-S-D-(2.5)

Tgt Ion:117 Resp: 337948
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 32.6 25.4 38.2

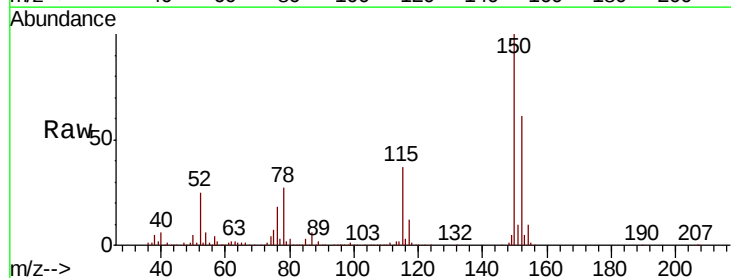


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

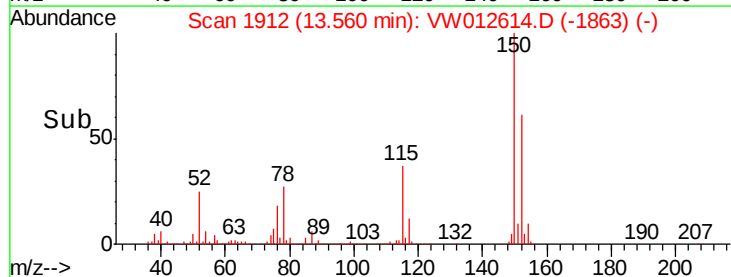
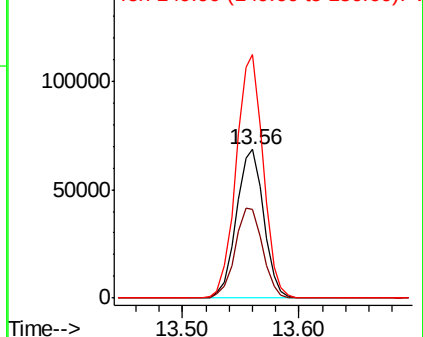


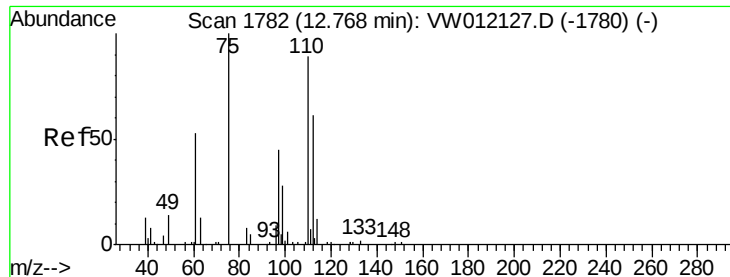
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012614.D
Acq: 05 Sep 2019 03:07

Tgt Ion:152 Resp: 112217
Ion Ratio Lower Upper
152 100
115 61.2 30.1 90.3
150 161.6 0.0 345.8



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

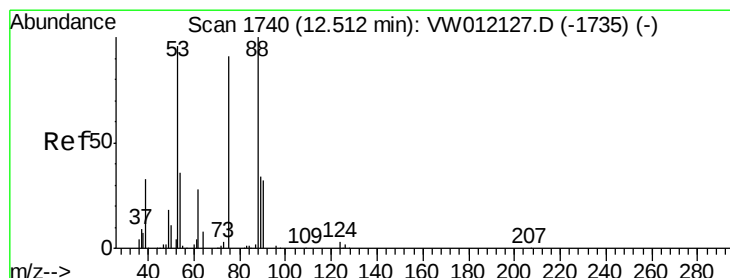
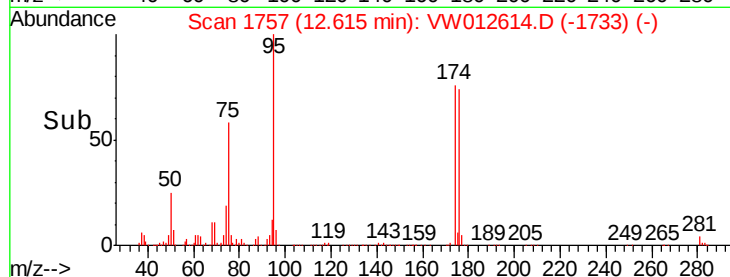
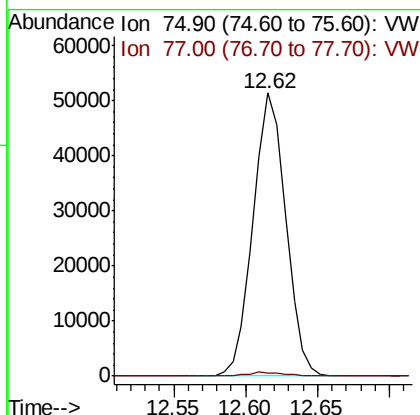
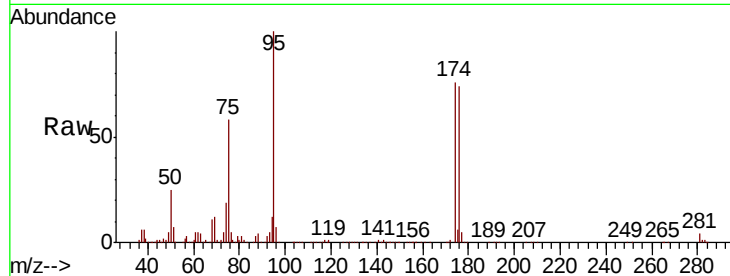




#76
 1,2,3-Trichloropropane
 Concen: 74.010 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

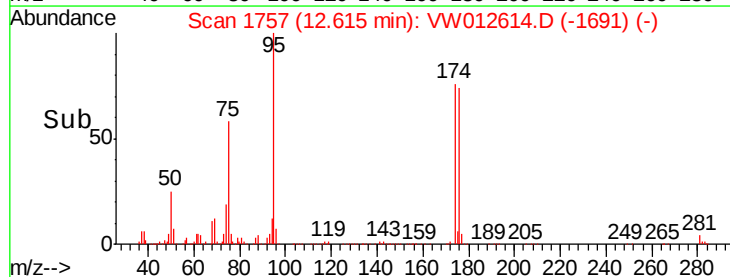
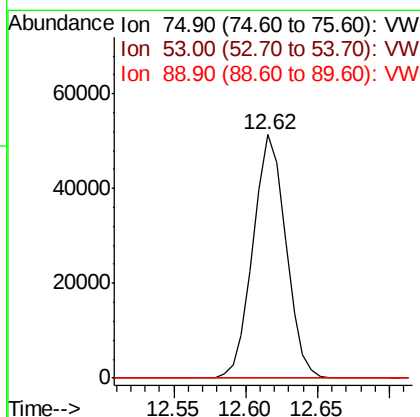
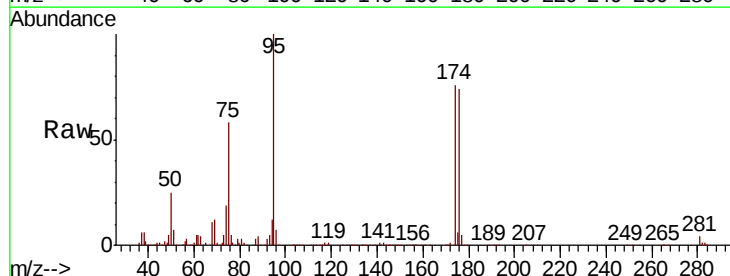
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-D-(2.5)

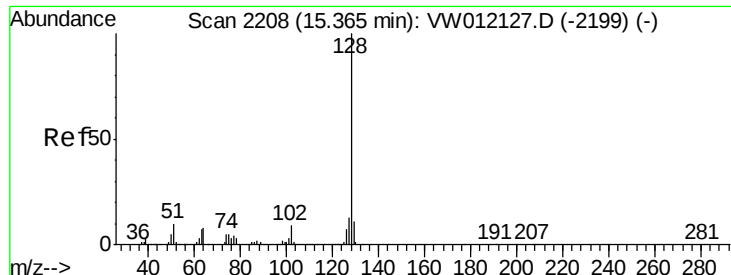
Tgt Ion: 75 Resp: 80887
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.271 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012614.D
 Acq: 05 Sep 2019 03:07

Tgt Ion: 75 Resp: 80887
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.473 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012614.D
Acq: 05 Sep 2019 03:07

Instrument :
MSVOA_W
ClientSampleId :
T3-S-D-(2.5)

Tgt Ion:128 Resp: 704
Ion Ratio Lower Upper
128 100
127 12.6 10.7 16.1
129 6.5 8.7 13.1#

