

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012617.D
 Acq On : 05 Sep 2019 04:25
 Operator : SY/VA
 Sample : K4547-08
 Misc : 2.57G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F-(0)

Quant Time: Sep 05 07:05:16 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

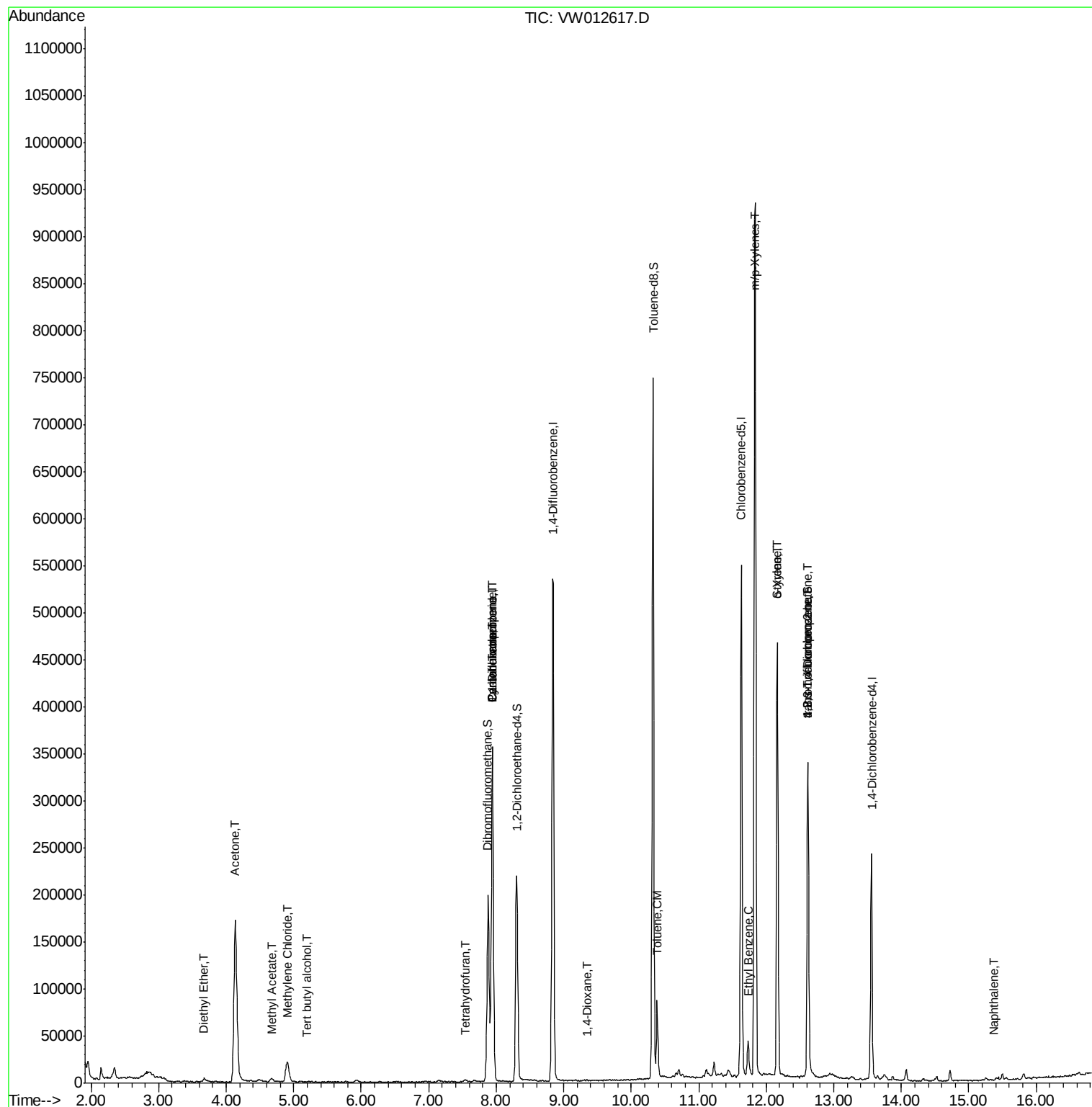
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	60007	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	186169	60.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.52%	
35) Dibromofluoromethane	7.88	113	137759	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
50) Toluene-d8	10.32	98	476073	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.62	95	104230	28.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.52%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1539	1.064	ug/l	70
11) Tert butyl alcohol	5.20	59	360	1.936	ug/l #	81
16) Acetone	4.14	43	365590	462.946	ug/l	99
18) Methyl Acetate	4.68	43	6765	3.459	ug/l	96
20) Methylene Chloride	4.90	84	16540	5.540	ug/l	94
29) Tetrahydrofuran	7.55	42	1887	2.931	ug/l #	89
31) Cyclohexane	7.95	56	6373	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22105	5.035	ug/l #	51
38) Carbon Tetrachloride	7.94	117	26378	6.942	ug/l #	17
49) 1,4-Dioxane	9.35	88	31	1.411	ug/l #	1
52) Toluene	10.38	92	32116	4.459	ug/l	99
67) Ethyl Benzene	11.73	91	24676	2.303	ug/l	95
68) m/p-Xylenes	11.84	106	264667	68.569	ug/l	99
69) o-Xylene	12.16	106	115112	32.222	ug/l	99
70) Styrene	12.16	104	6804	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	56417	96.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56417	211.655	ug/l #	6
95) Naphthalene	15.36	128	445	4.501	ug/l #	84

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

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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: VW012617.D

Acq: 05 Sep 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

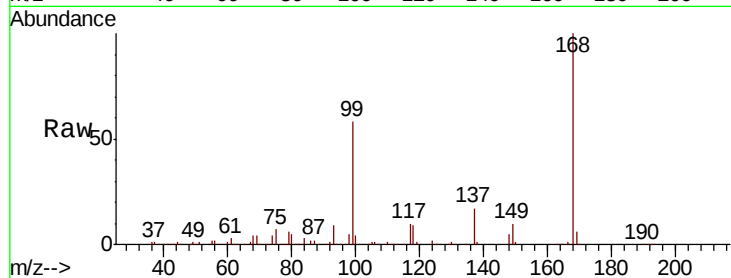
T3-S-F(0)

Tgt Ion:168 Resp: 259881

Ion Ratio Lower Upper

168 100

99 57.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

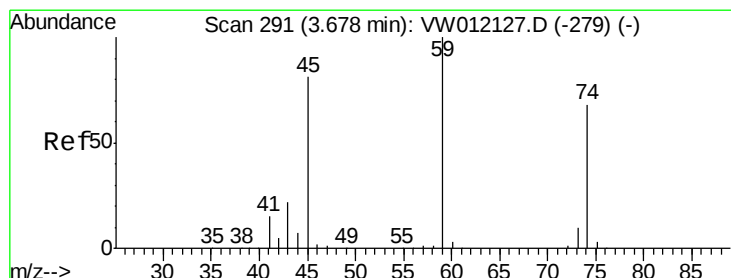
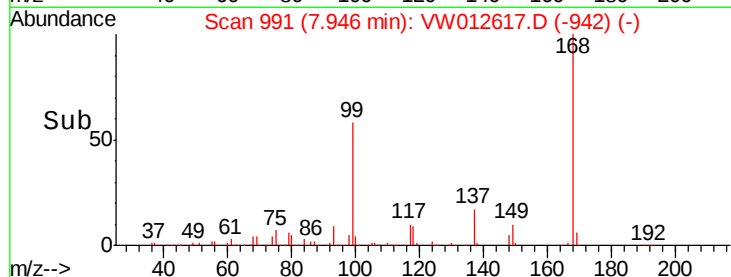
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.064 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012617.D

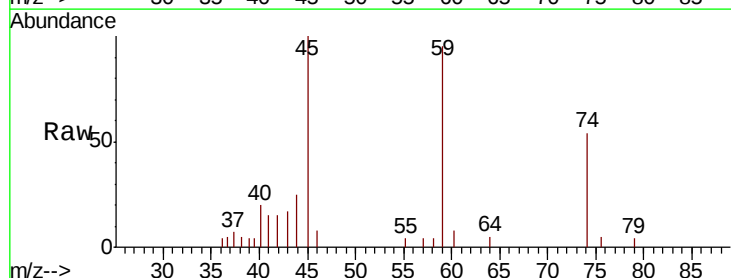
Acq: 05 Sep 2019 04:25

Tgt Ion: 74 Resp: 1539

Ion Ratio Lower Upper

74 100

45 151.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

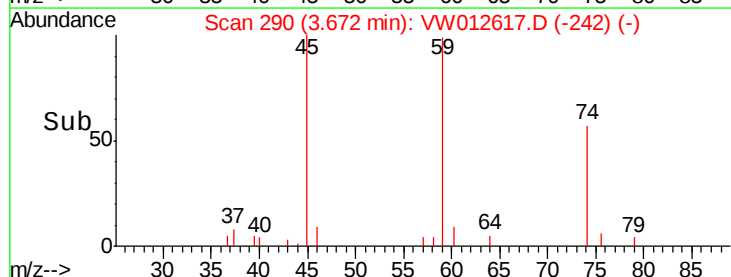
1500

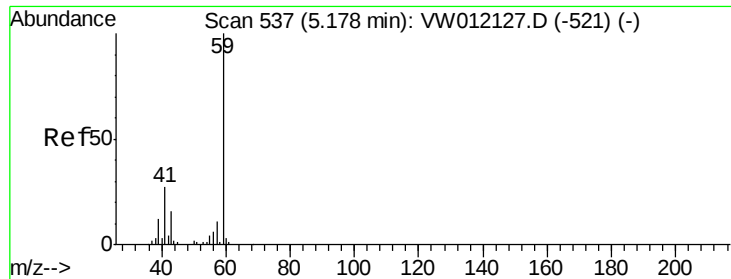
1000

500

0

Time-->

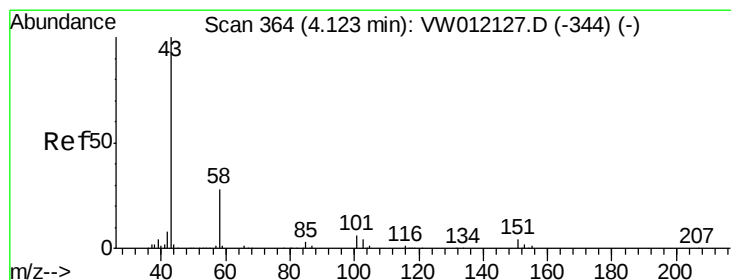
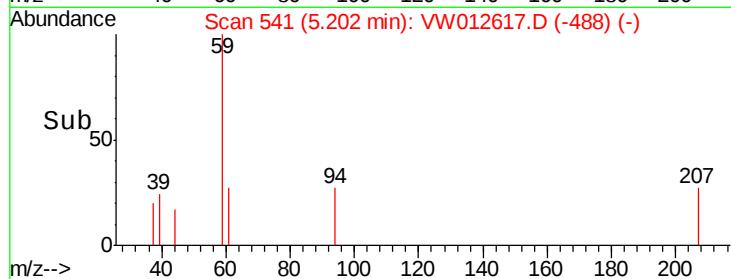
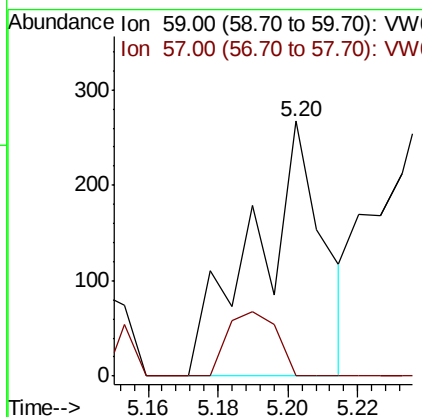
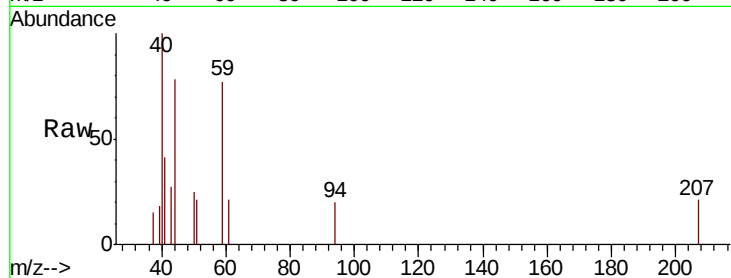




#11
Tert butyl alcohol
Concen: 1.936 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

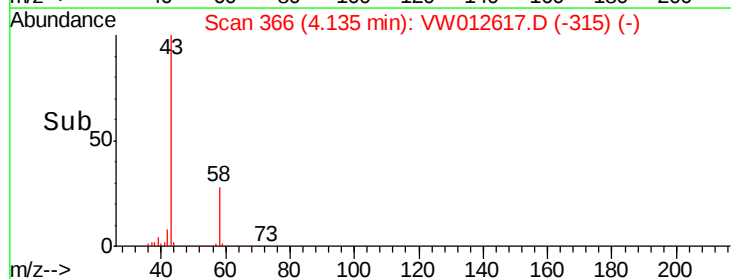
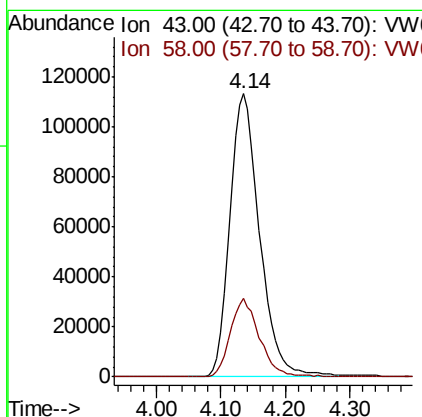
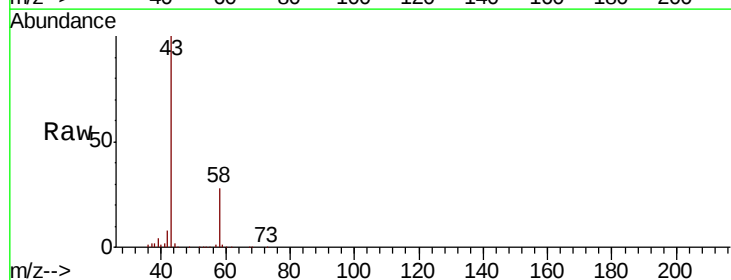
Instrument :
MSVOA_W
ClientSampled :
T3-S-F(0)

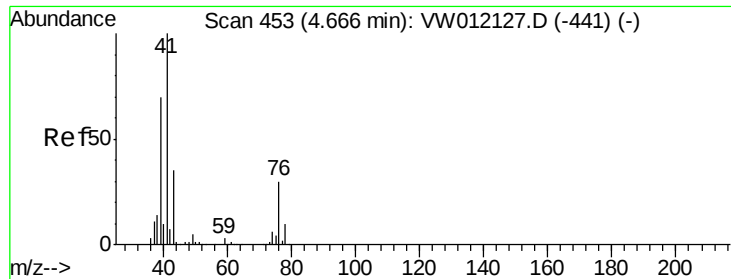
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 18.3 9.0 13.4#



#16
Acetone
Concen: 462.946 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion: 43 Resp: 365590
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

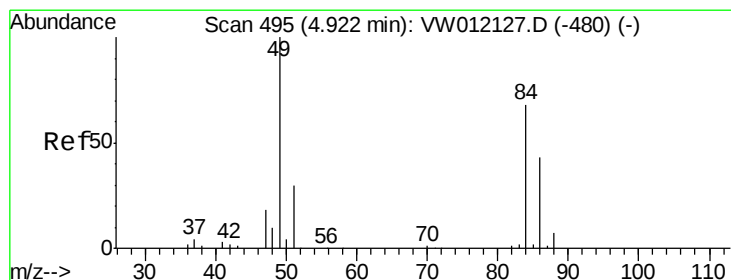
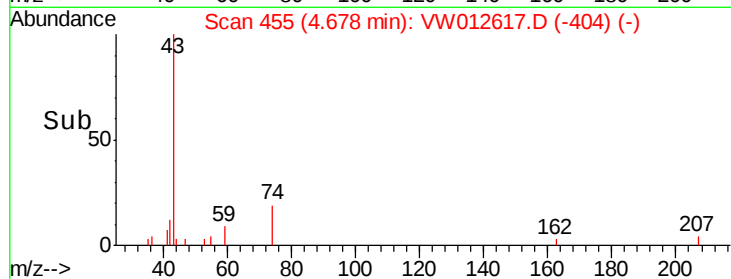
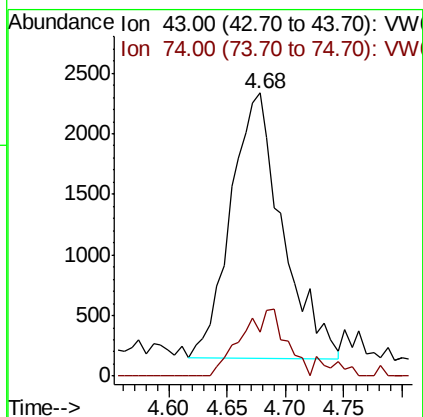
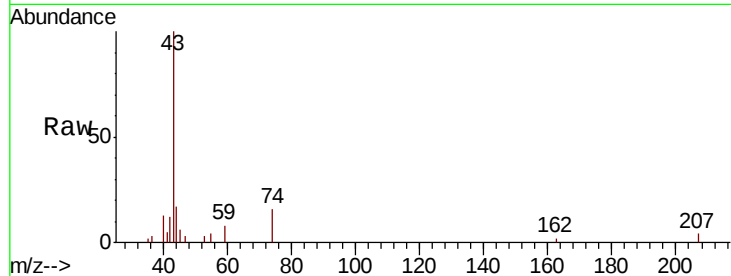




#18
Methyl Acetate
Concen: 3.459 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

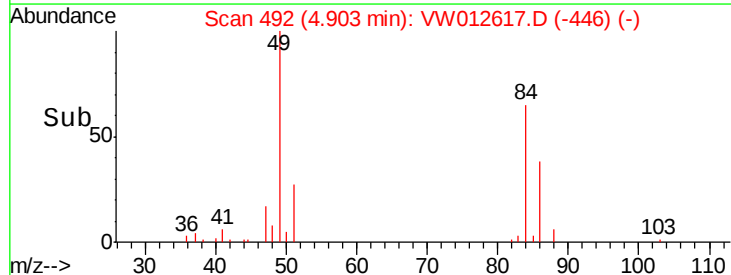
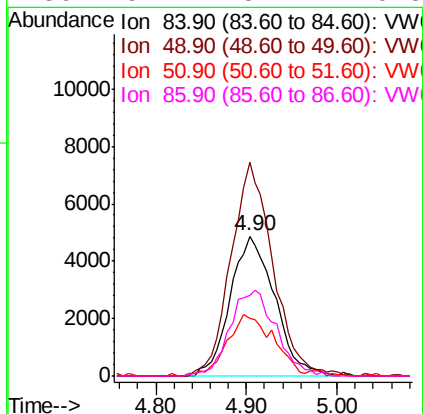
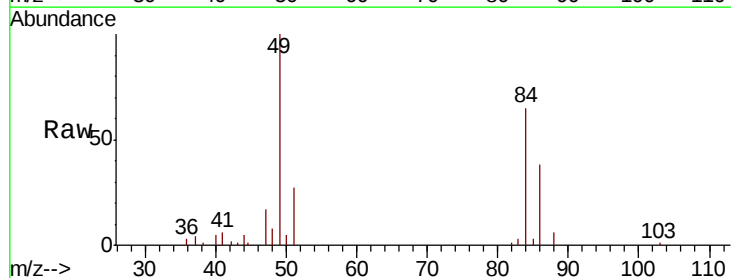
Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)

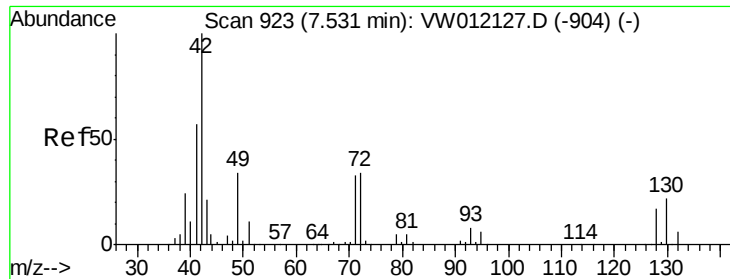
Tgt Ion: 43 Resp: 6765
Ion Ratio Lower Upper
43 100
74 21.6 15.7 23.5



#20
Methylene Chloride
Concen: 5.540 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion: 84 Resp: 16540
Ion Ratio Lower Upper
84 100
49 153.0 117.8 176.8
51 39.6 35.6 53.4
86 57.4 51.2 76.8





#29

Tetrahydrofuran

Concen: 2.931 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)

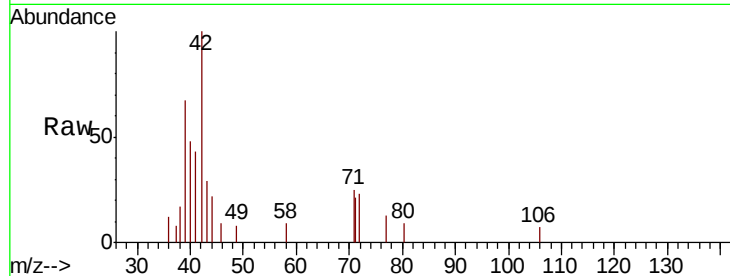
Tgt Ion: 42 Resp: 1887

Ion Ratio Lower Upper

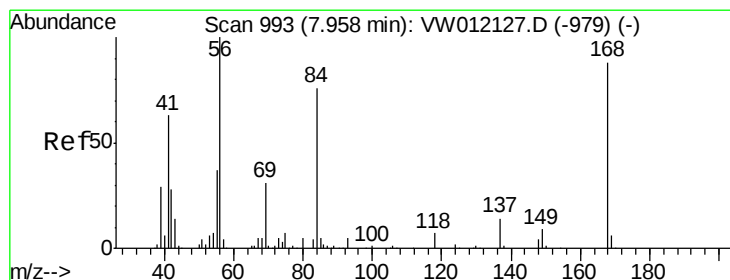
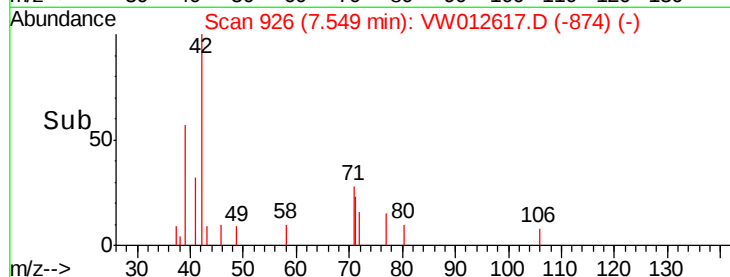
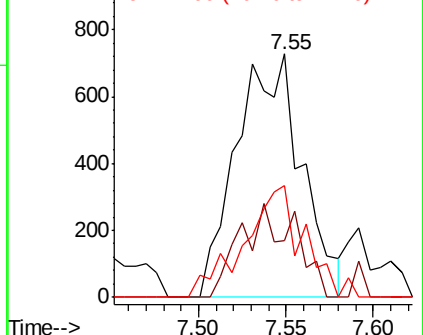
42 100

72 32.0 27.3 40.9

71 42.0 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: 1.145 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

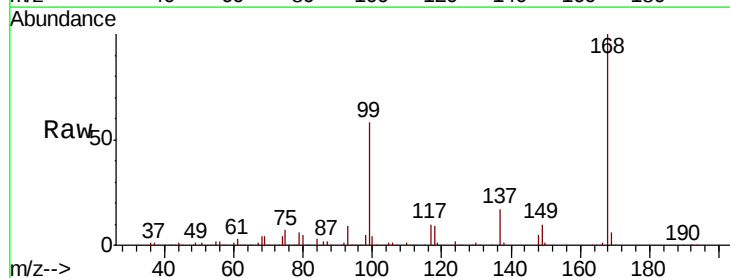
Tgt Ion: 56 Resp: 6373

Ion Ratio Lower Upper

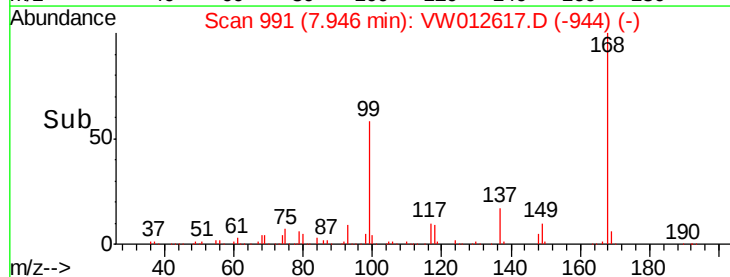
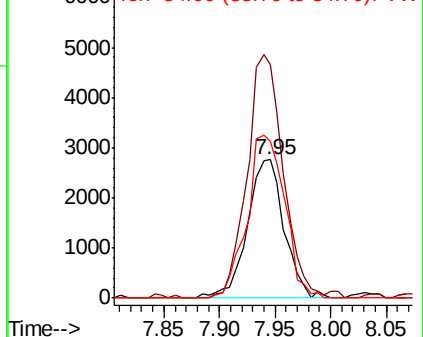
56 100

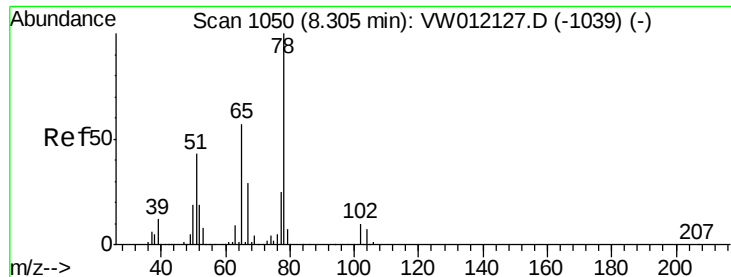
69 168.7 24.9 37.3#

84 112.9 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

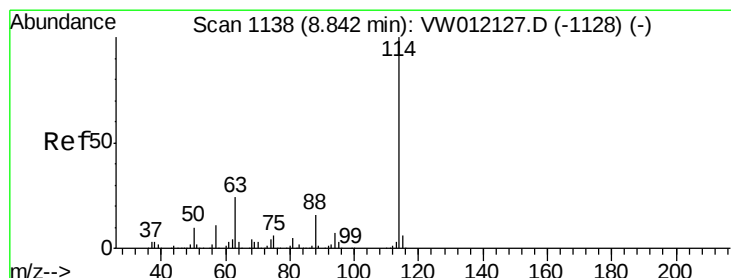
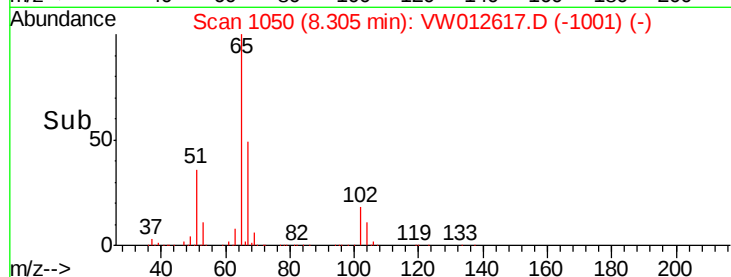
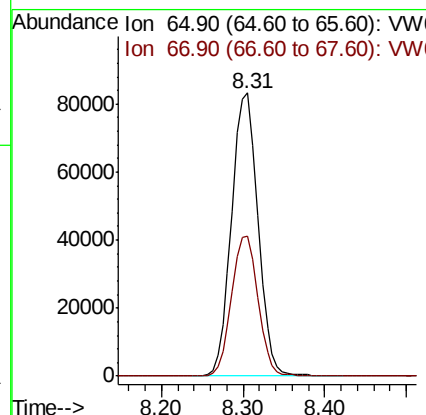
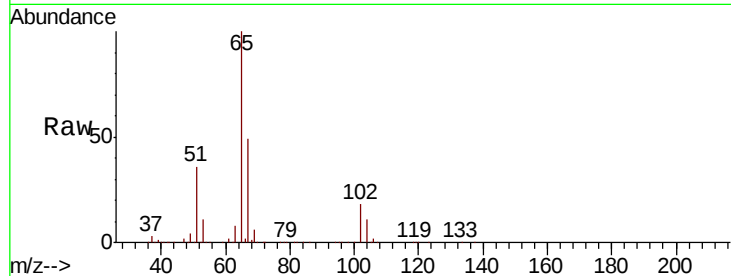




#33
 1,2-Dichloroethane-d4
 Concen: 60.262 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012617.D
 Acq: 05 Sep 2019 04:25

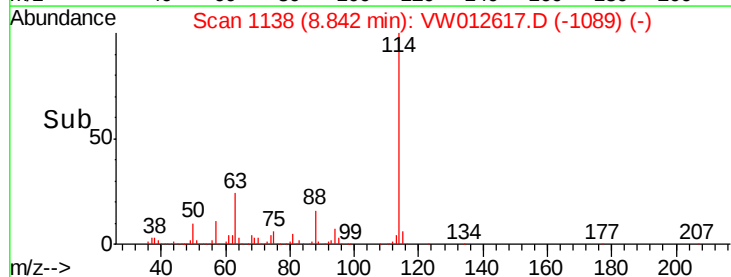
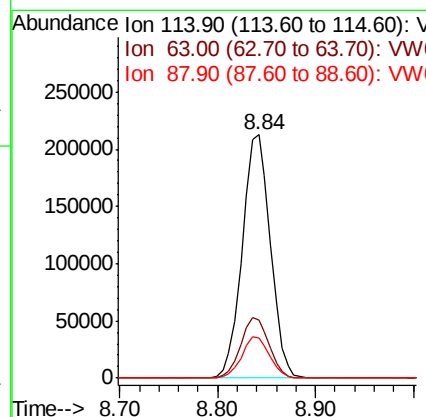
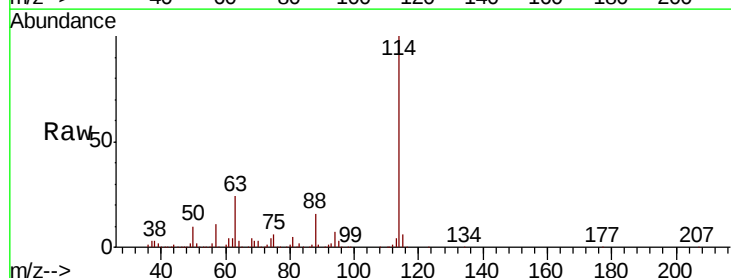
Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F(0)

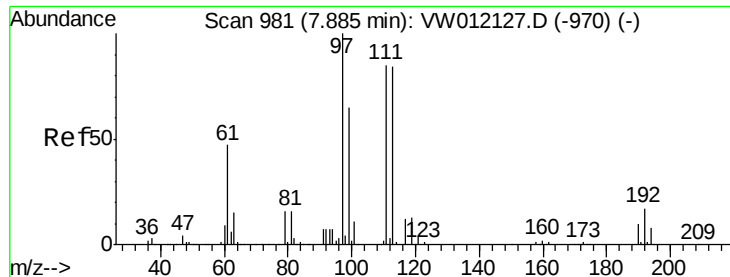
Tgt Ion: 65 Resp: 186169
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012617.D
 Acq: 05 Sep 2019 04:25

Tgt Ion: 114 Resp: 424855
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 54.322 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)

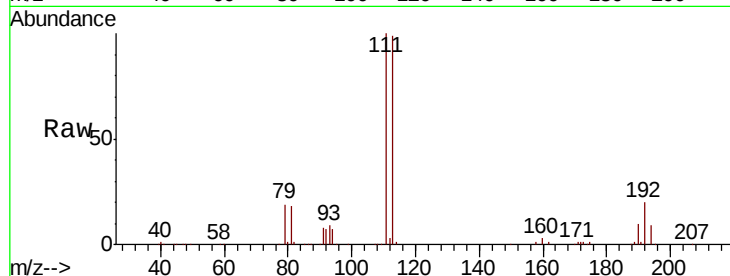
Tgt Ion:113 Resp: 137759

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

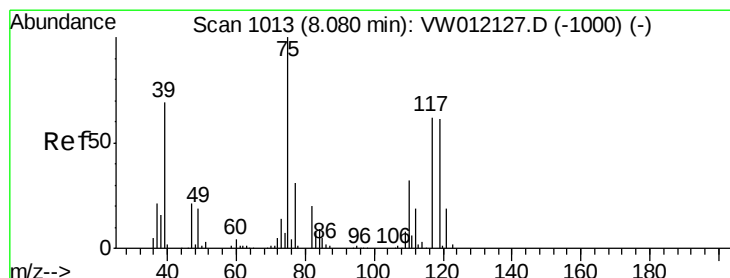
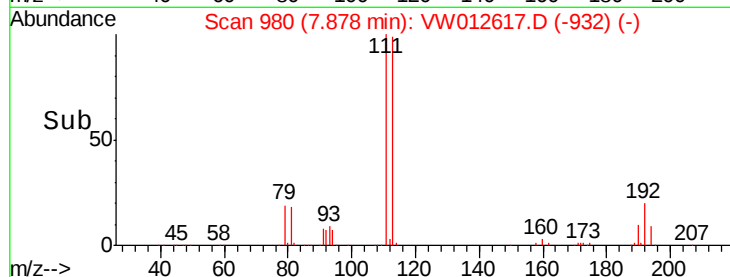
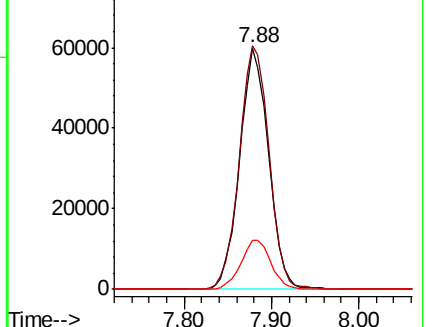
192 21.1 16.2 24.2



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: 5.035 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

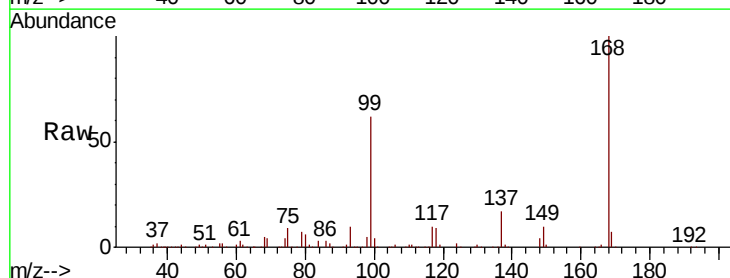
Tgt Ion: 75 Resp: 22105

Ion Ratio Lower Upper

75 100

110 7.5 15.6 46.8#

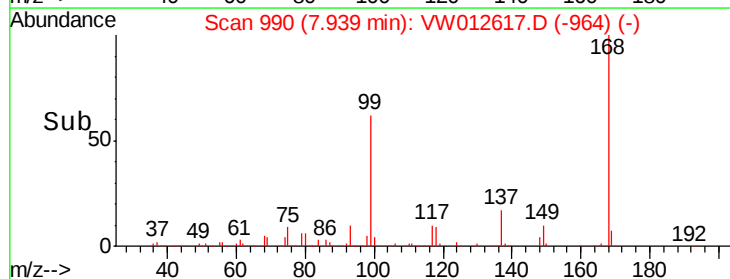
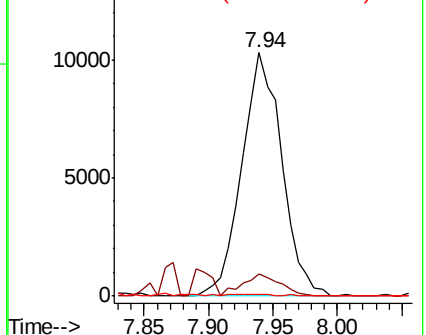
77 0.3 24.6 36.8#

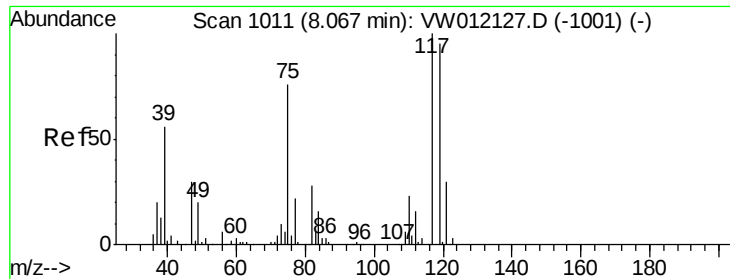


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.942 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

T3-S-F(0)

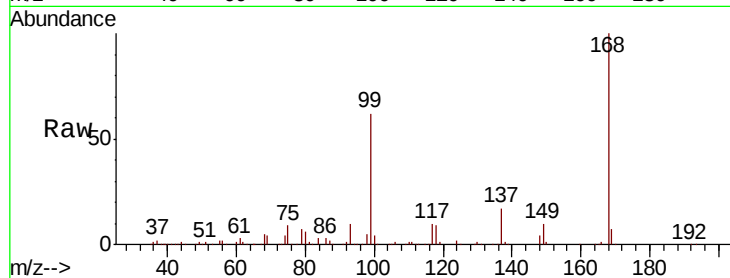
Tgt Ion:117 Resp: 26378

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

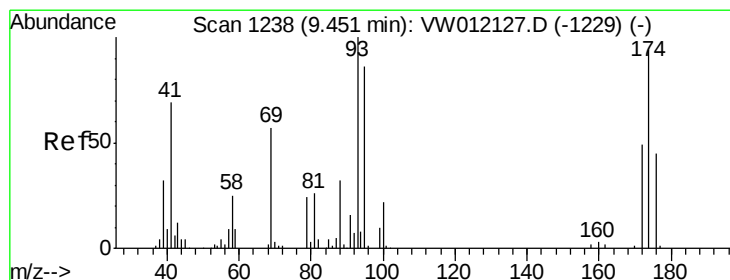
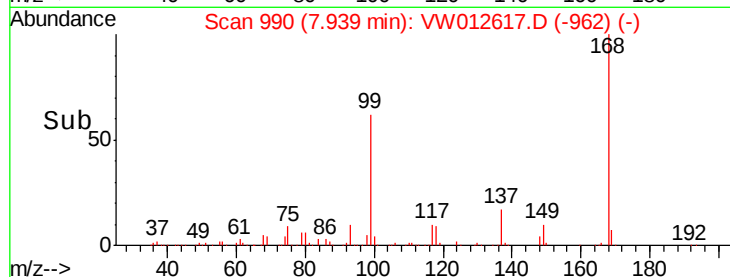
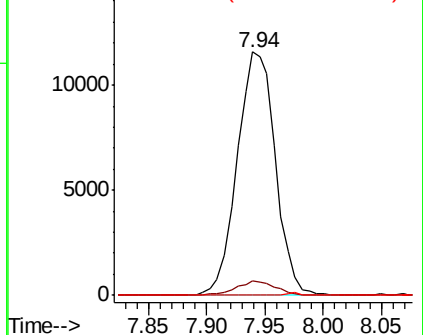
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.411 ug/l

RT: 9.35 min Scan# 1222

Delta R.T. -0.10 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

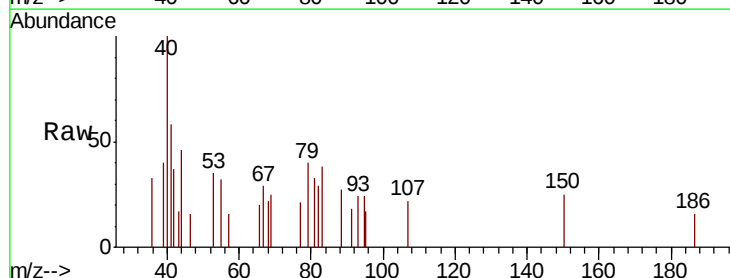
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 554.8 32.9 49.3#

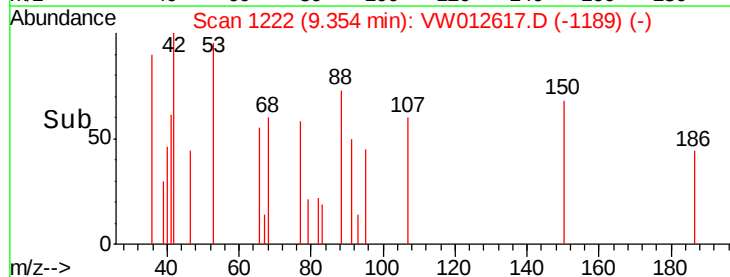
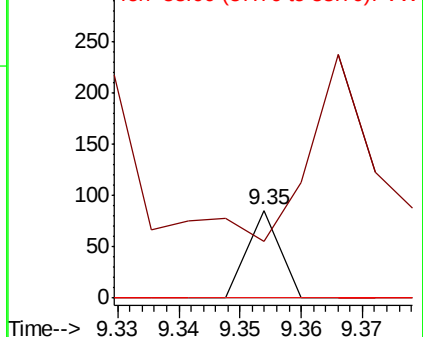
58 0.0 71.0 106.4#

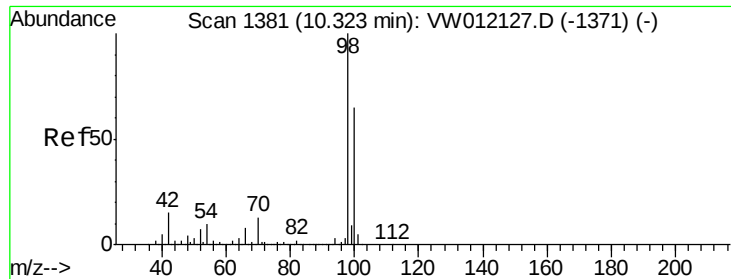


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 46.299 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012617.D

Acq: 05 Sep 2019 04:25

Instrument :

MSVOA_W

ClientSampleId :

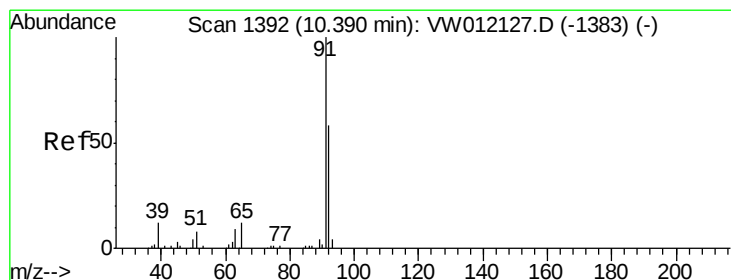
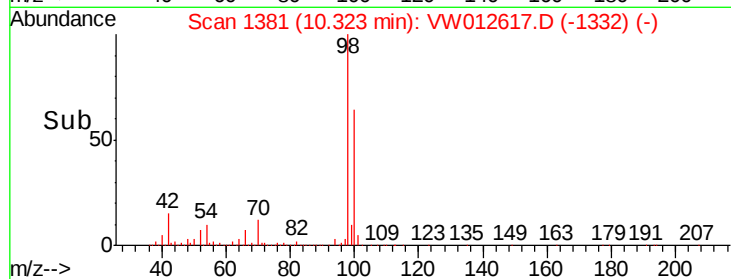
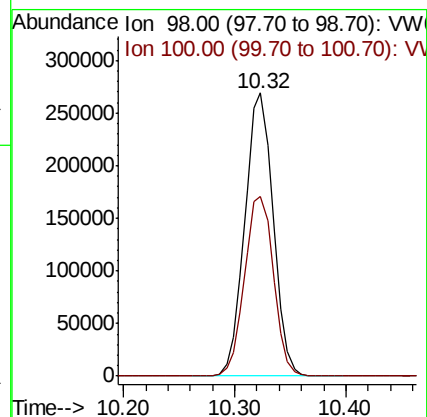
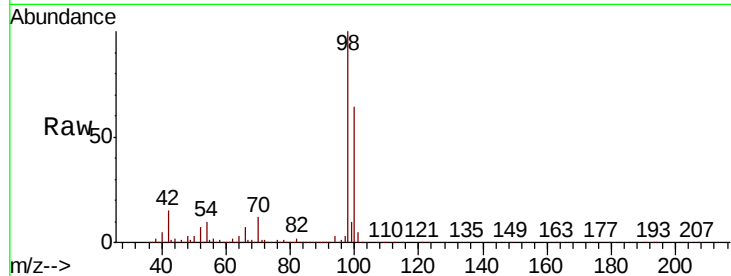
T3-S-F(0)

Tgt Ion: 98 Resp: 476073

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#52

Toluene

Concen: 4.459 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012617.D

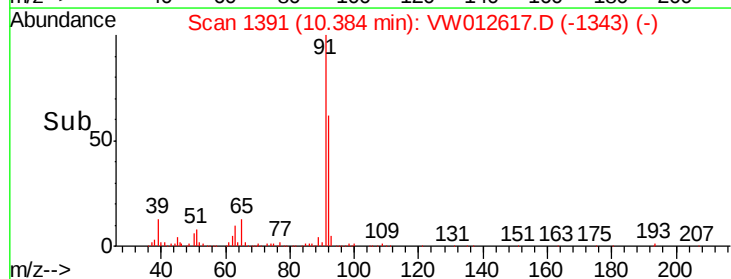
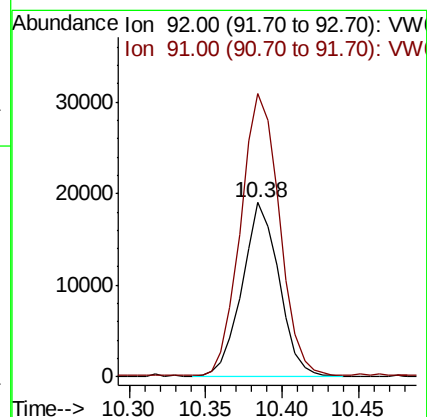
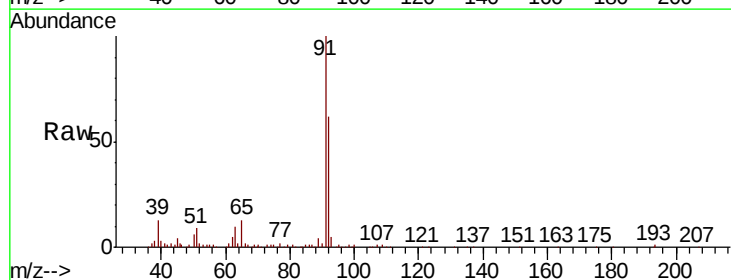
Acq: 05 Sep 2019 04:25

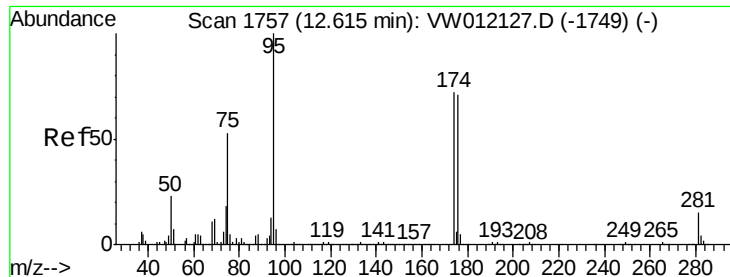
Tgt Ion: 92 Resp: 32116

Ion Ratio Lower Upper

92 100

91 168.7 136.6 204.8

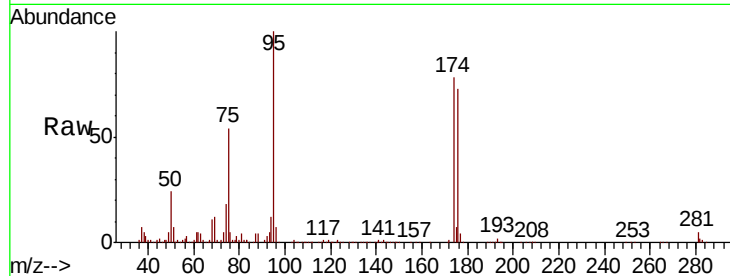




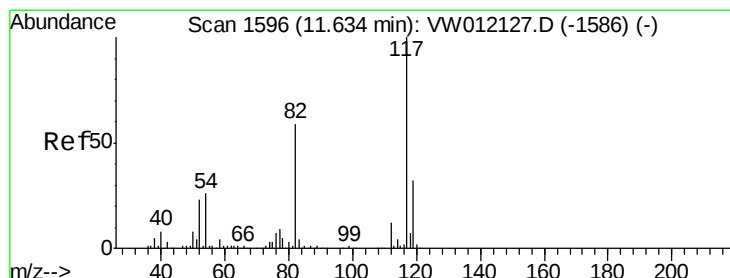
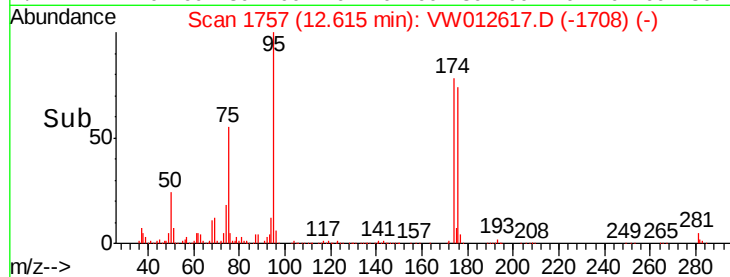
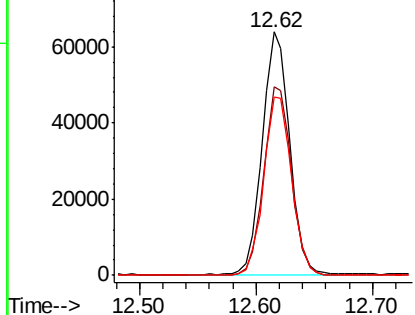
#62
4-Bromofluorobenzene
Concen: 28.756 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)

Tgt Ion: 95 Resp: 104230
Ion Ratio Lower Upper
95 100
174 78.5 0.0 150.8
176 74.9 0.0 148.6

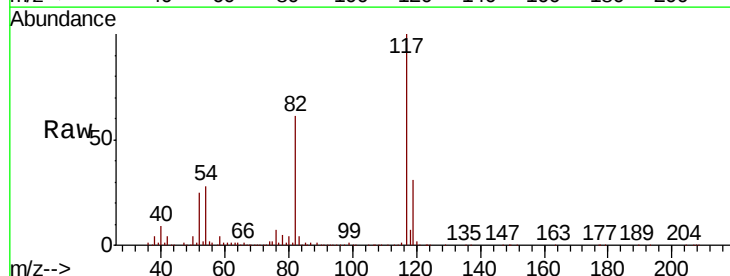


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

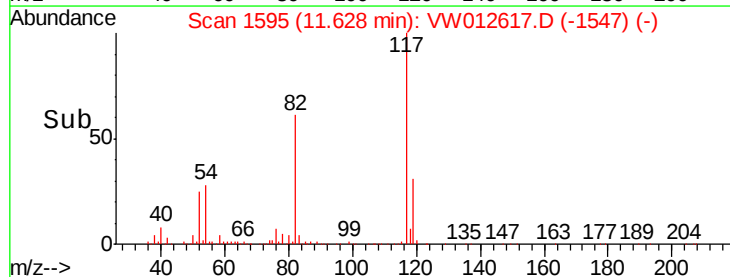
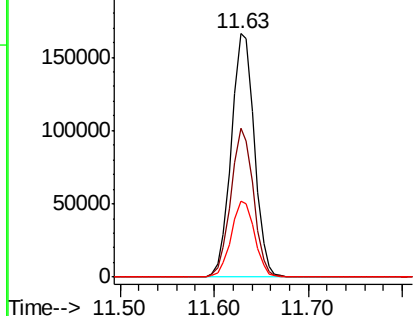


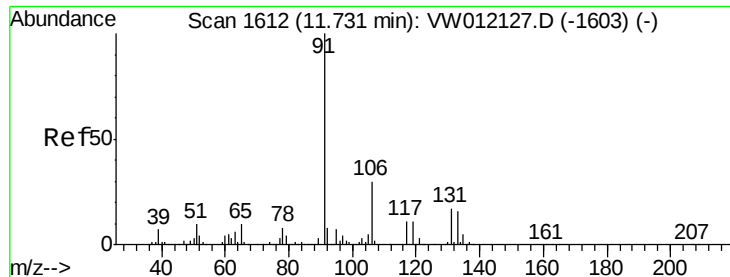
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion: 117 Resp: 282500
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.4 25.4 38.2



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

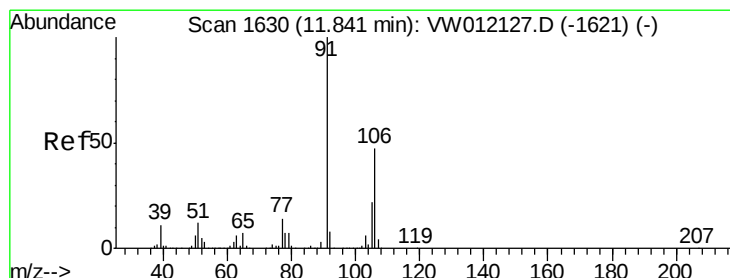
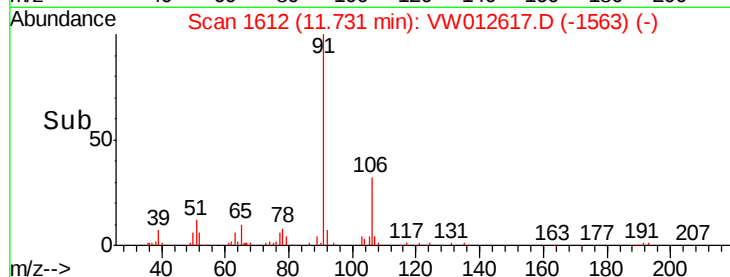
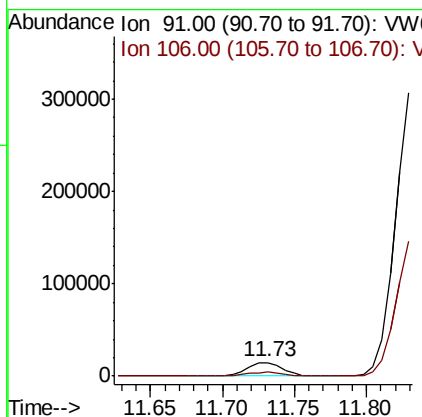
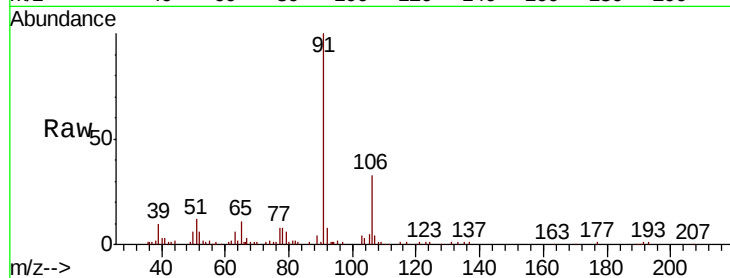




#67
Ethyl Benzene
Concen: 2.303 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

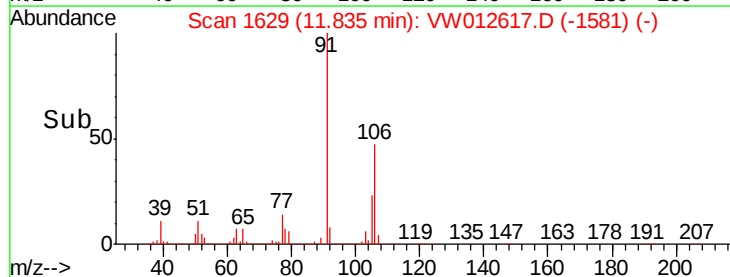
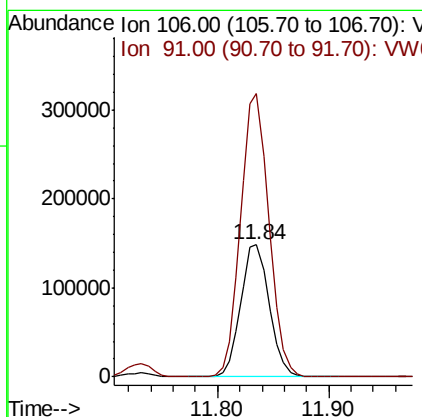
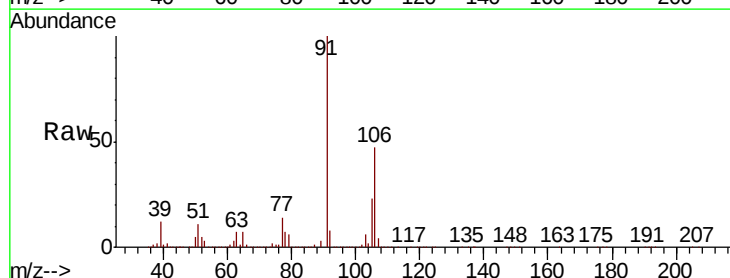
Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)

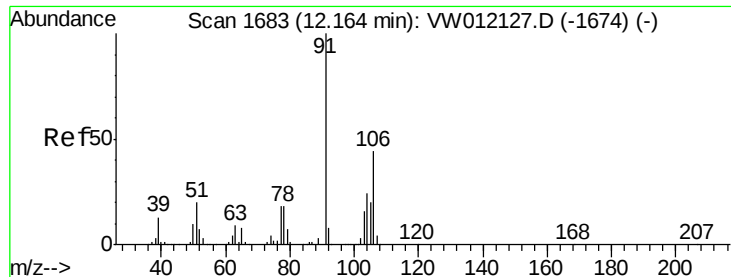
Tgt Ion: 91 Resp: 24676
Ion Ratio Lower Upper
91 100
106 32.9 24.3 36.5



#68
m/p-Xylenes
Concen: 68.569 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion: 106 Resp: 264667
Ion Ratio Lower Upper
106 100
91 212.7 169.5 254.3

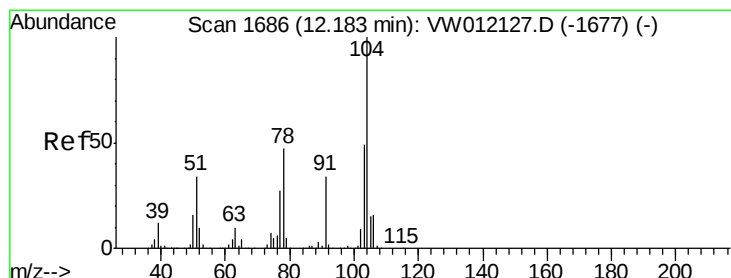
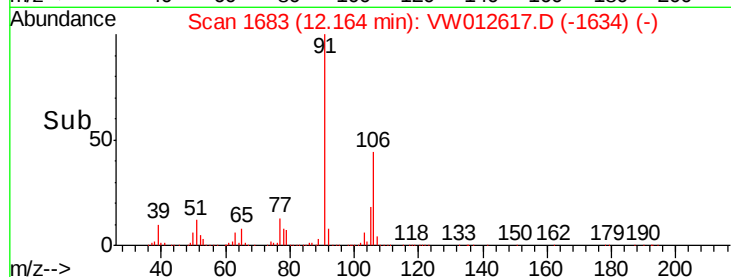
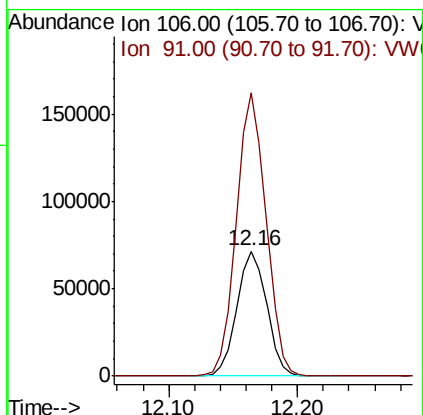
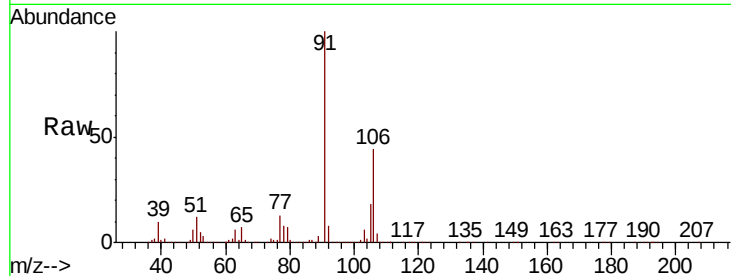




#69
o-Xylene
Concen: 32.222 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

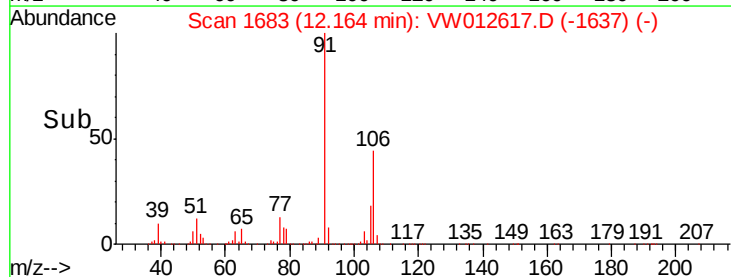
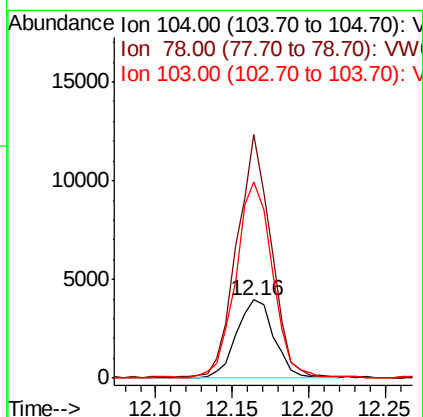
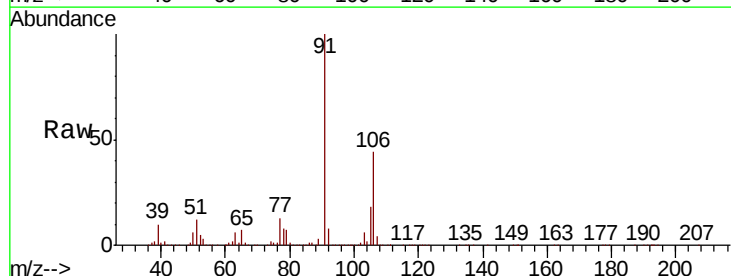
Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)

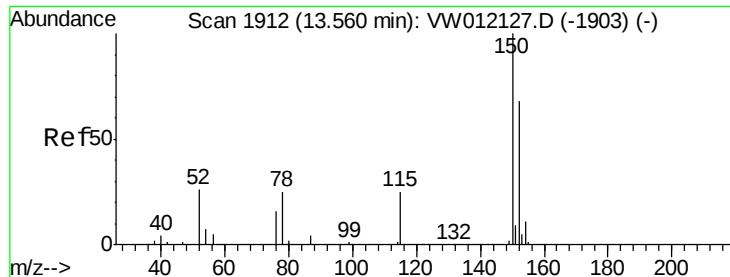
Tgt Ion:106 Resp: 115112
Ion Ratio Lower Upper
106 100
91 224.6 111.6 334.6



#70
Styrene
Concen: 1.100 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.02 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion:104 Resp: 6804
Ion Ratio Lower Upper
104 100
78 283.5 43.1 64.7#
103 243.9 43.5 65.3#



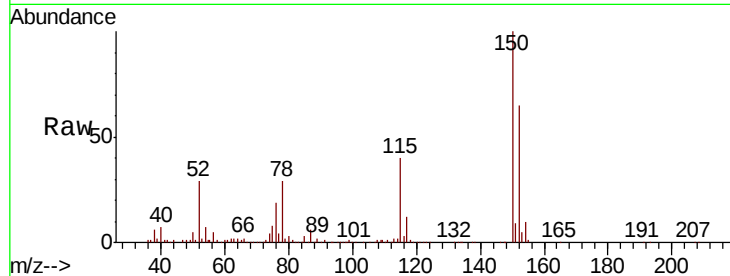


#72

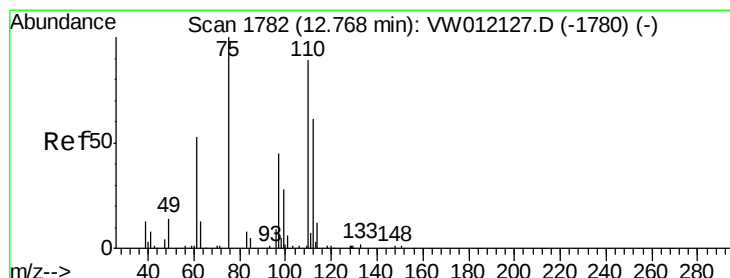
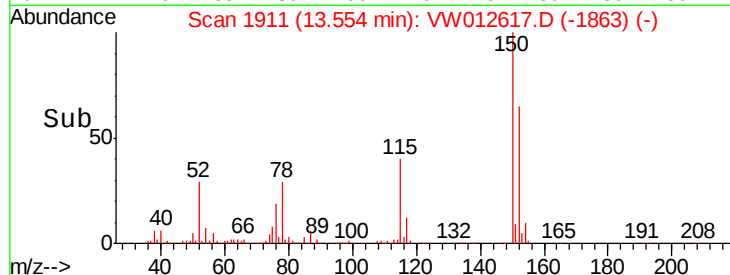
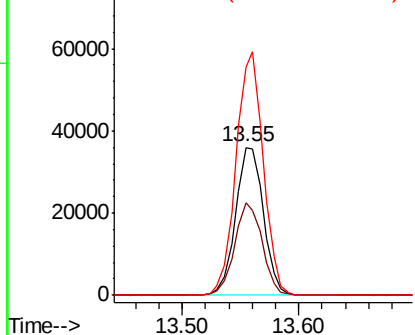
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Instrument :
MSVOA_W
ClientSampleId :
T3-S-F(0)

Tgt Ion:152 Resp: 60007
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.3
150 160.6 0.0 345.8



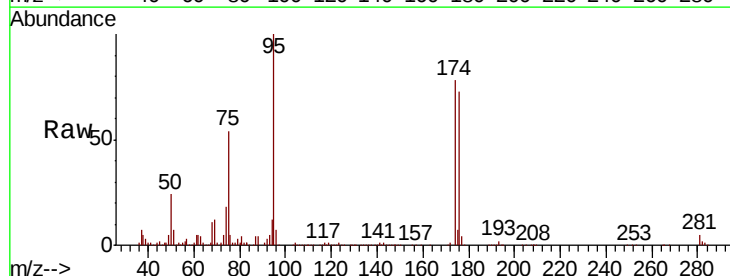
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



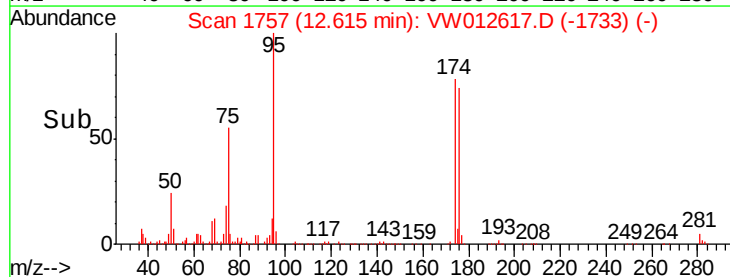
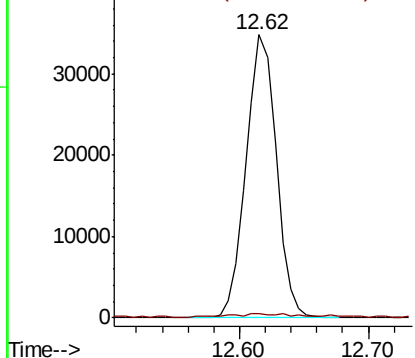
#76

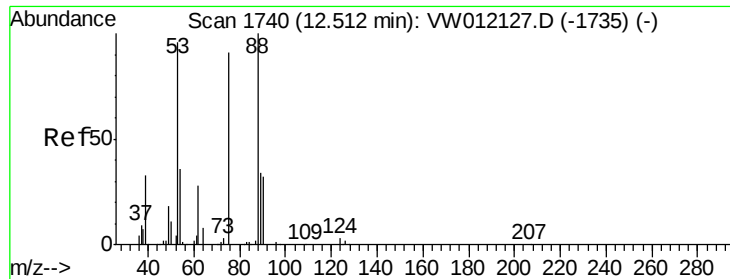
1,2,3-Trichloropropane
Concen: 96.534 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012617.D
Acq: 05 Sep 2019 04:25

Tgt Ion: 75 Resp: 56417
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

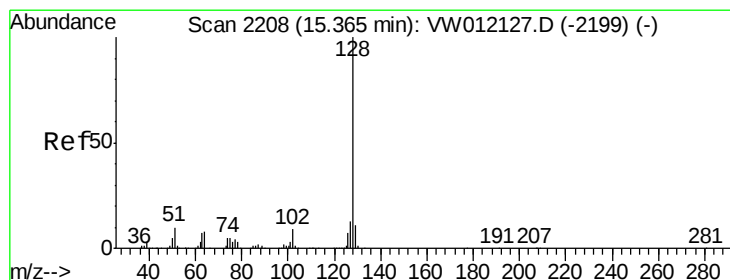
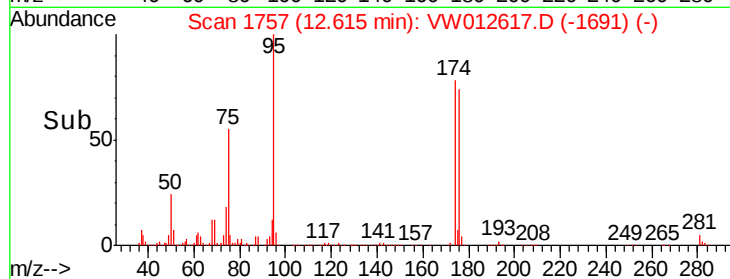
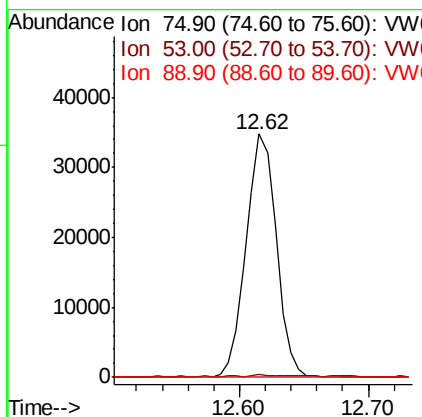
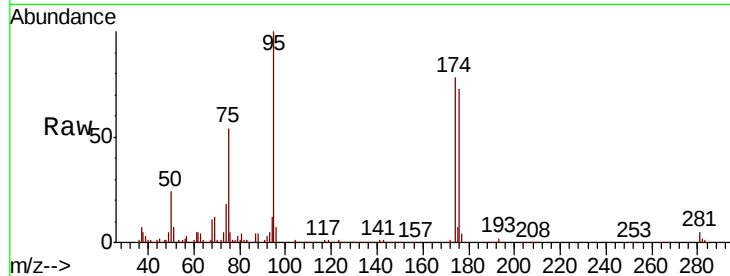




#81
 trans-1,4-Dichloro-2-butene
 Concen: 211.655 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012617.D
 Acq: 05 Sep 2019 04:25

Instrument :
 MSVOA_W
 ClientSampleId :
 T3-S-F(0)

Tgt Ion: 75 Resp: 56417
 Ion Ratio Lower Upper
 75 100
 53 0.6 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.501 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012617.D
 Acq: 05 Sep 2019 04:25

Tgt Ion: 128 Resp: 445
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.7 16.1
 129 0.0 8.7 13.1#

