

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011225.D
 Acq On : 11 Jul 2019 13:23
 Operator : SY/VA
 Sample : K3757-01
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY0300F002-SD-190710

Quant Time: Jul 12 08:31:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49184	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	69244	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
35) Dibromofluoromethane	7.88	113	50750	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	10.32	98	195770	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	60476	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	

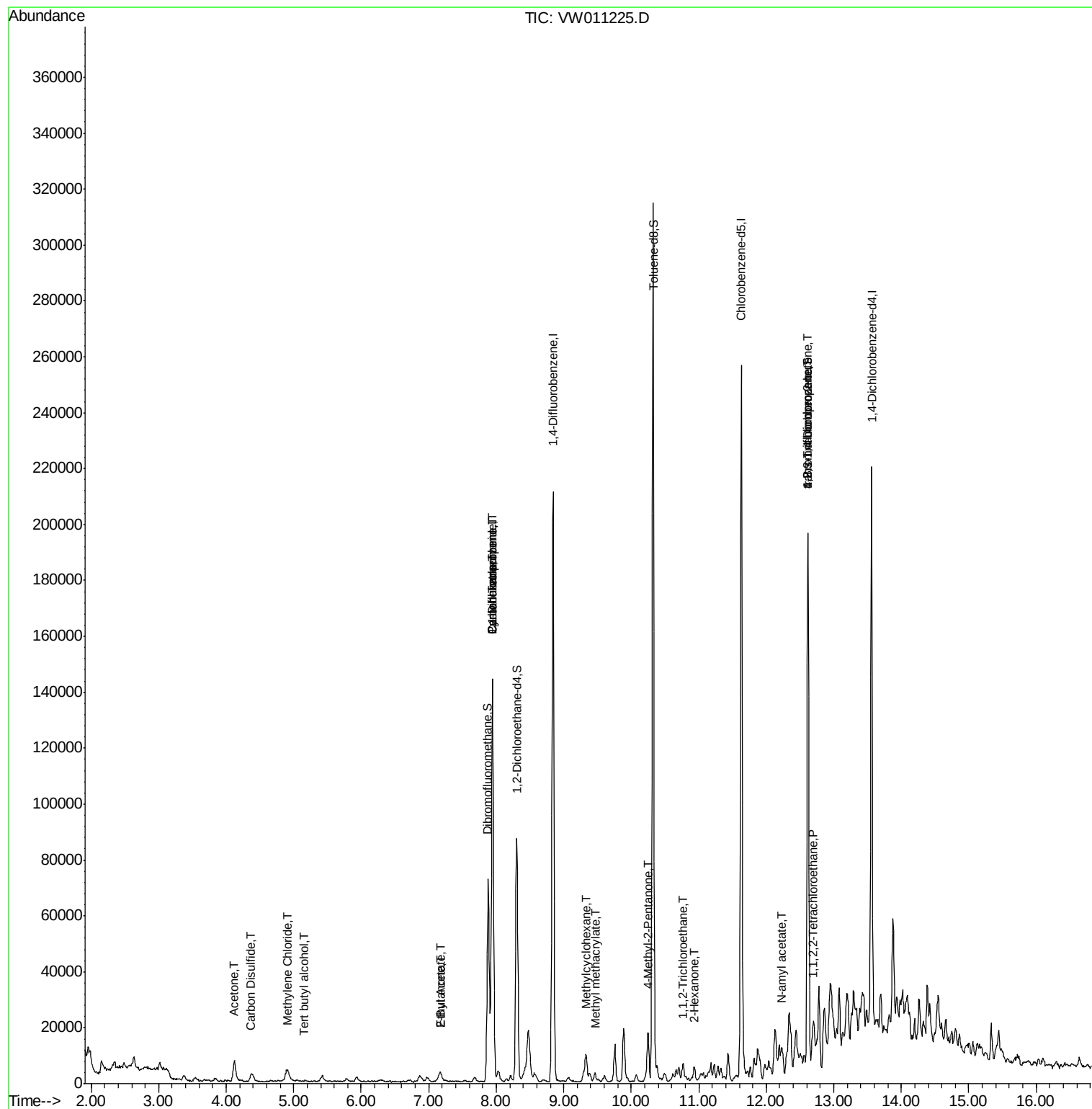
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	209	2.312	ug/l #	70
16) Acetone	4.12	43	13597	46.274	ug/l	96
17) Carbon Disulfide	4.36	76	4063	1.241	ug/l #	88
18) Methyl Acetate	4.66	43	306	Below Cal	#	89
20) Methylene Chloride	4.91	84	2086	1.800	ug/l #	80
25) 2-Butanone	7.17	43	4421	9.585	ug/l	93
31) Cyclohexane	7.95	56	5606	2.370	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	8795	5.098	ug/l #	53
37) Ethyl Acetate	7.17	43	4421	4.265	ug/l #	80
38) Carbon Tetrachloride	7.94	117	9868	6.747	ug/l #	16
39) Methylcyclohexane	9.33	83	2563	1.226	ug/l	90
48) Methyl methacrylate	9.47	41	1191	1.265	ug/l #	24
51) 4-Methyl-2-Pentanone	10.24	43	2709	2.650	ug/l #	85
55) 1,1,2-Trichloroethane	10.77	97	909	1.056	ug/l #	20
59) 2-Hexanone	10.93	43	2847	4.016	ug/l #	33
74) N-amyl acetate	12.23	43	2137	1.669	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	12.69	83	1272	1.688	ug/l #	72
76) 1,2,3-Trichloropropane	12.62	75	32625	57.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	32625	129.827	ug/l #	6

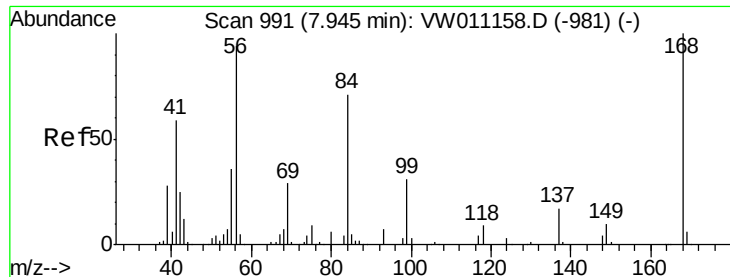
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071219\
Data File : VW011225.D
Acq On : 11 Jul 2019 13:23
Operator : SY/VA
Sample : K3757-01
Misc : 4.99G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

Quant Time: Jul 12 08:31:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

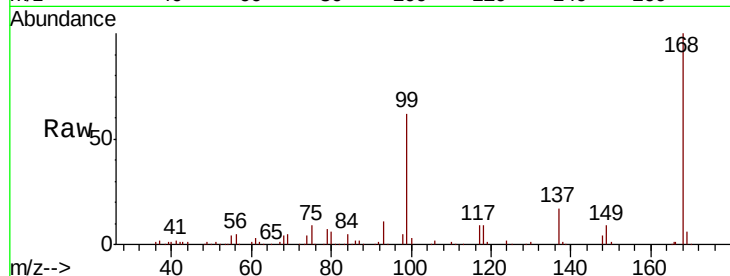
KY0300F002-SD-190710

Tot Ion:168 Resp: 97189

Ion Ratio Lower Upper

168 100

99 62.0 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

20000

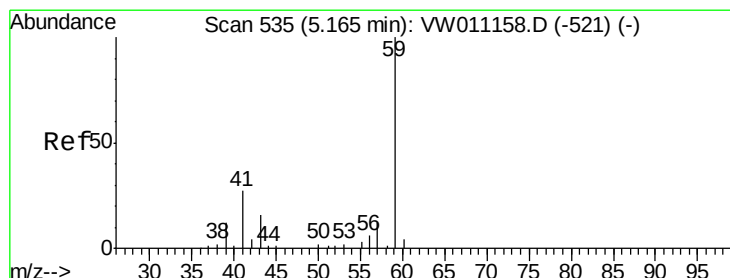
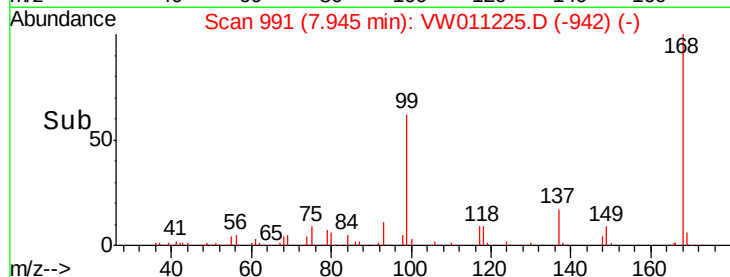
10000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.312 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011225.D

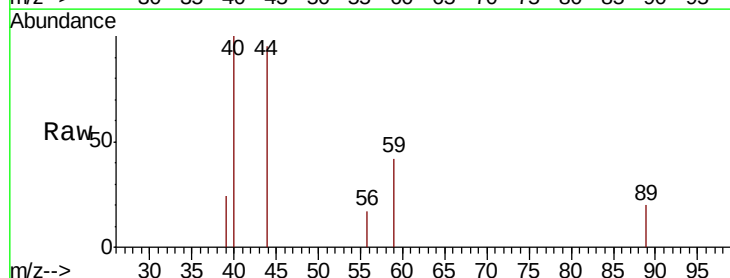
Acq: 11 Jul 2019 13:23

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

150

100

50

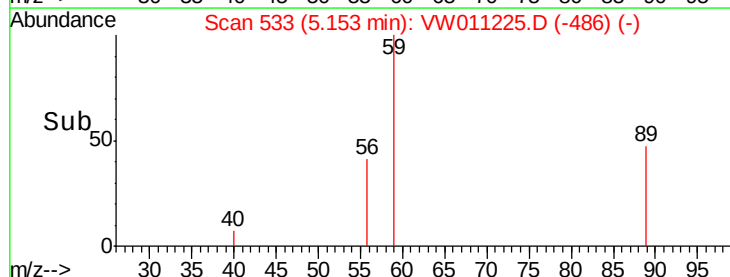
0

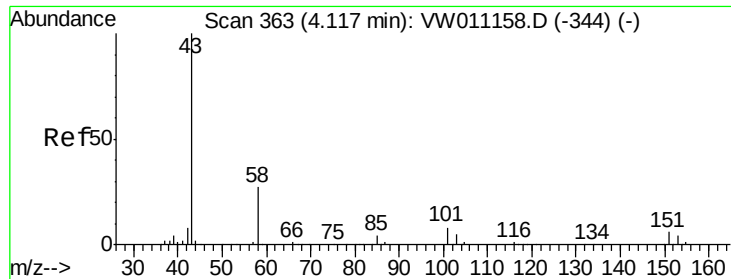
5.14

5.16

5.18

Time-->





#16

Acetone

Concen: 46.274 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

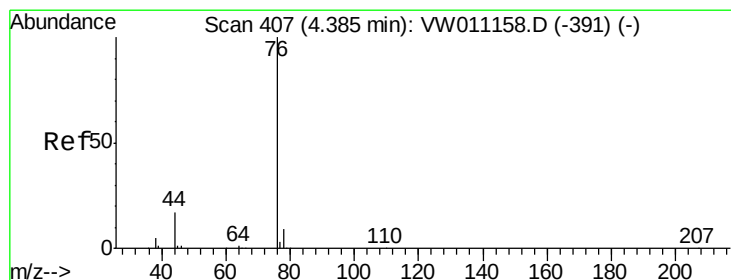
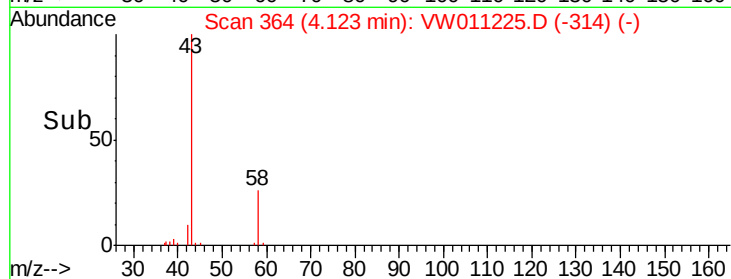
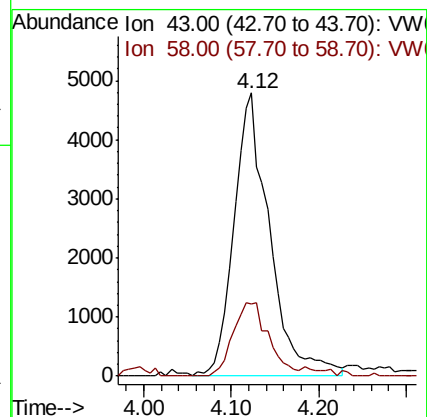
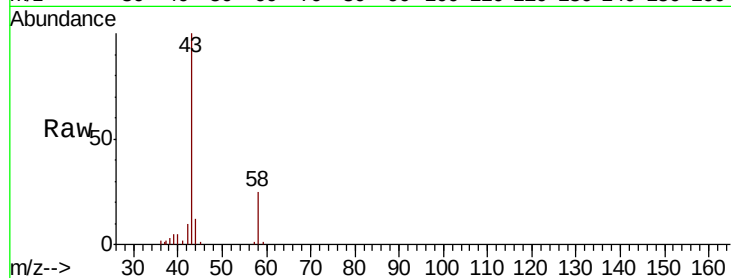
KY0300F002-SD-190710

Tot Ion: 43 Resp: 13597

Ion Ratio Lower Upper

43 100

58 25.4 21.8 32.6



#17

Carbon Disulfide

Concen: 1.241 ug/l

RT: 4.36 min Scan# 403

Delta R.T. -0.02 min

Lab File: VW011225.D

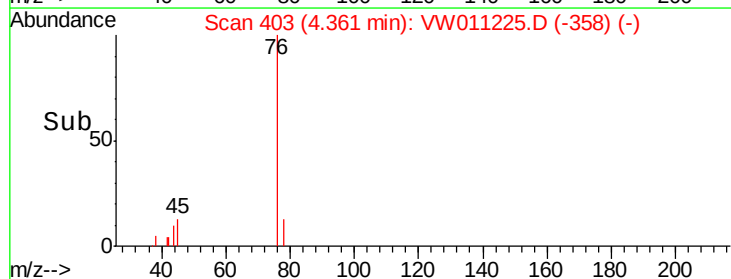
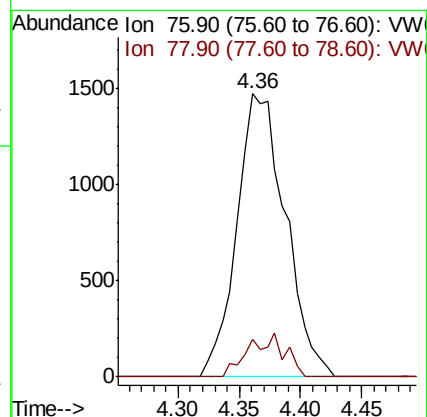
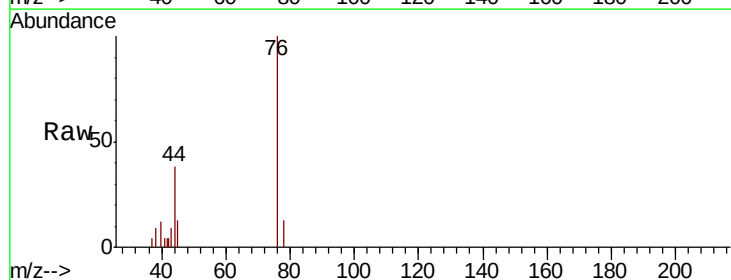
Acq: 11 Jul 2019 13:23

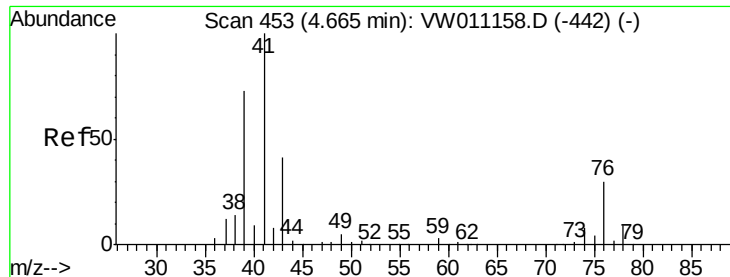
Tgt Ion: 76 Resp: 4063

Ion Ratio Lower Upper

76 100

78 13.4 7.1 10.7#

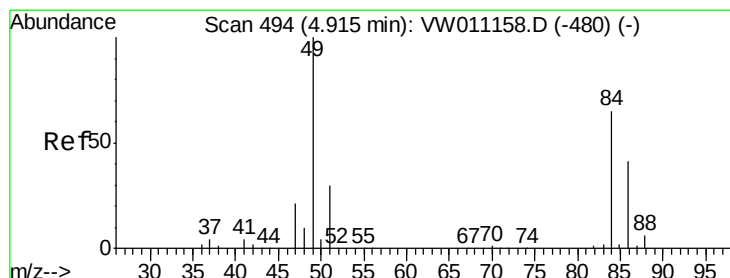
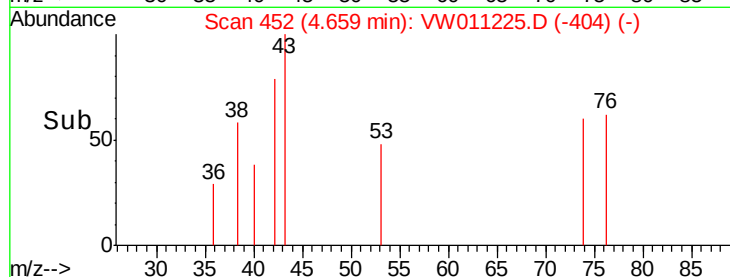
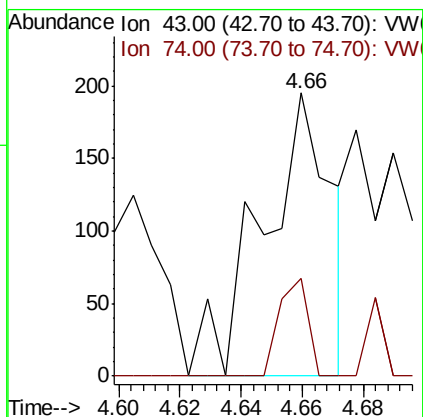
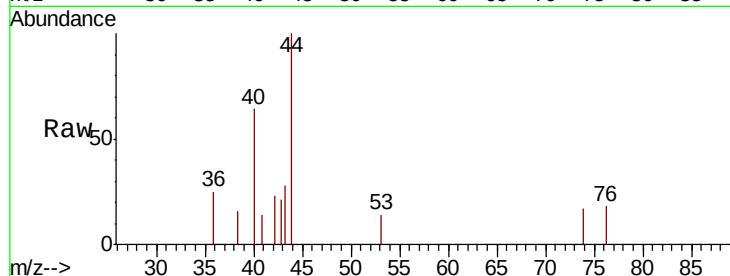




#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

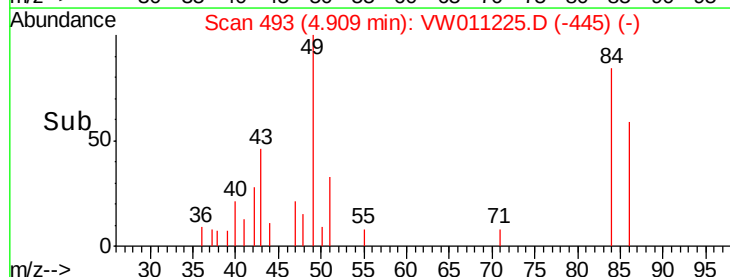
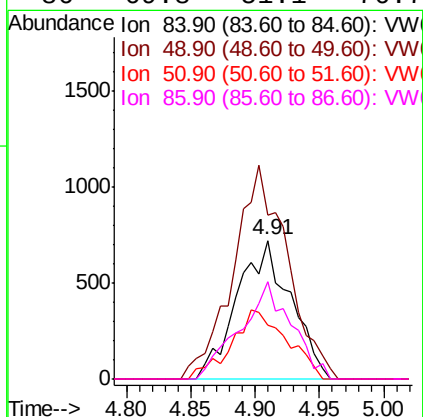
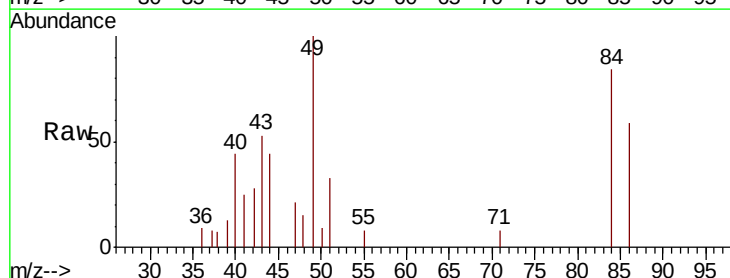
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

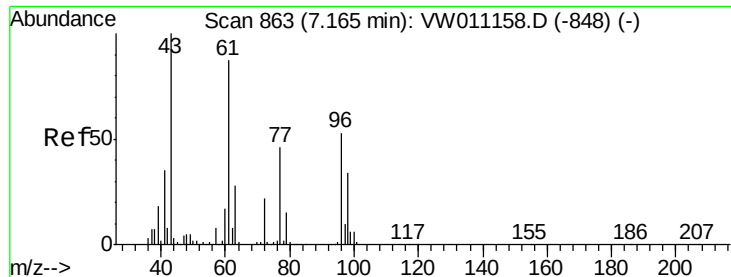
Tot Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
74 14.4 15.7 23.5#



#20
Methylene Chloride
Concen: 1.800 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Tgt Ion: 84 Resp: 2086
Ion Ratio Lower Upper
84 100
49 118.4 123.8 185.6#
51 39.2 37.4 56.2
86 69.8 51.1 76.7





#25

2-Butanone

Concen: 9.585 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

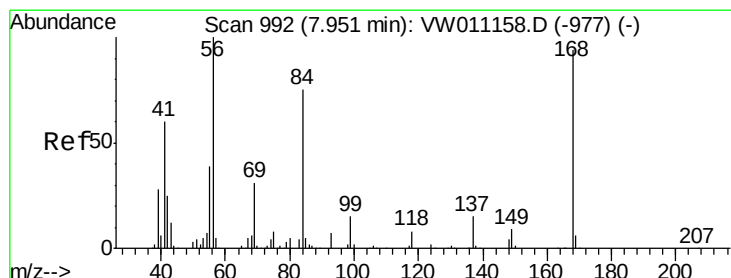
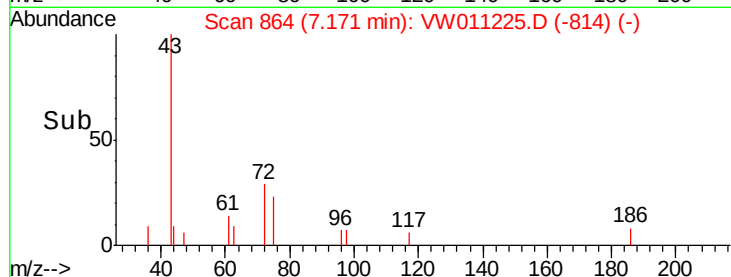
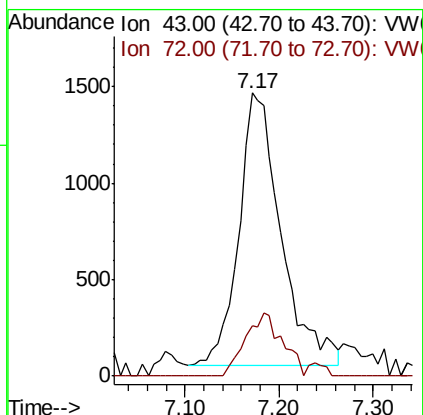
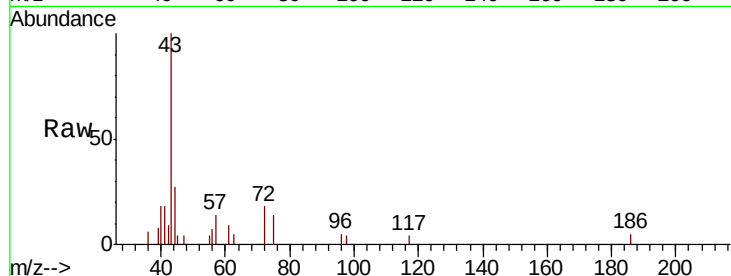
KY0300F002-SD-190710

Tot Ion: 43 Resp: 4421

Ion Ratio Lower Upper

43 100

72 18.7 17.6 26.4



#31

Cyclohexane

Concen: 2.370 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

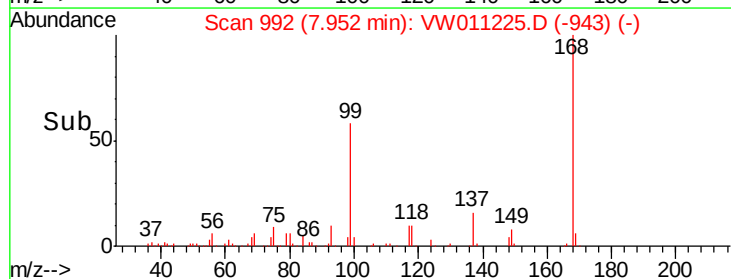
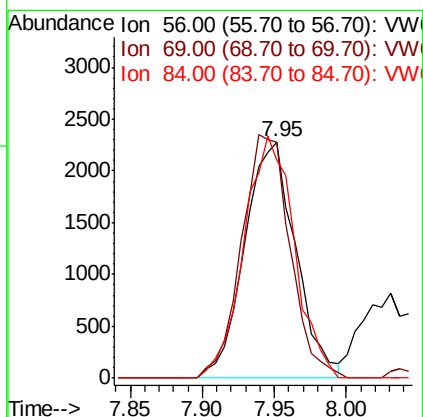
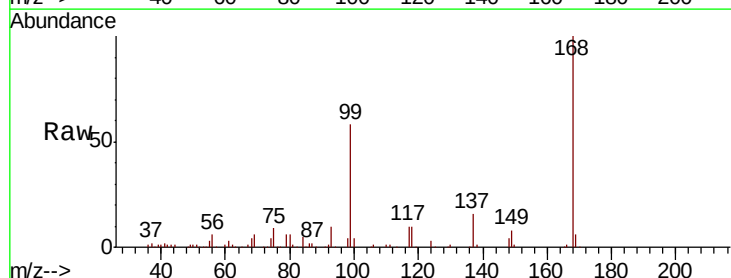
Tgt Ion: 56 Resp: 5606

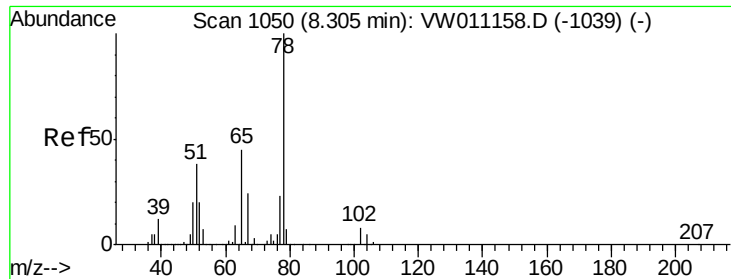
Ion Ratio Lower Upper

56 100

69 99.8 24.6 36.8#

84 92.0 60.1 90.1#

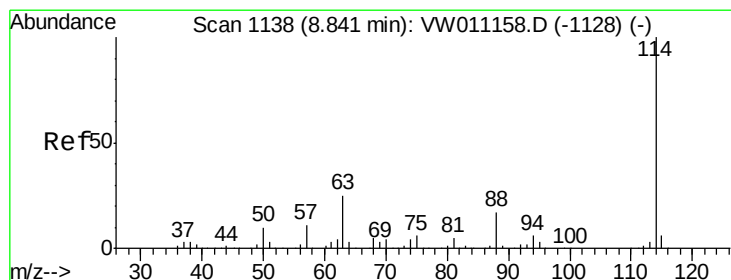
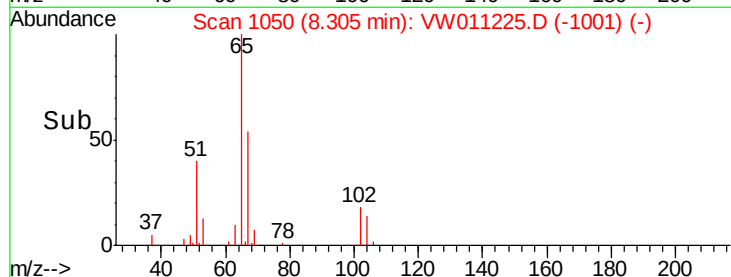
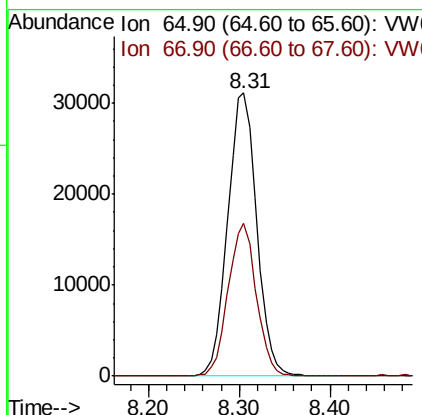
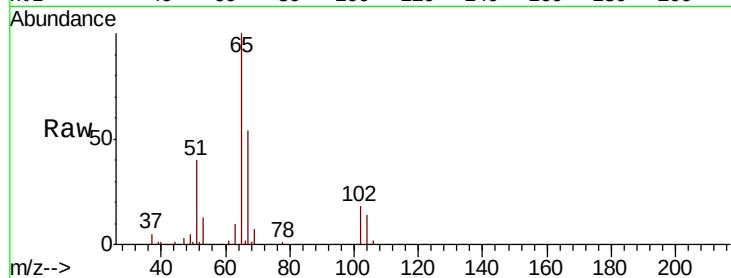




#33
 1,2-Dichloroethane-d4
 Concen: 56.701 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

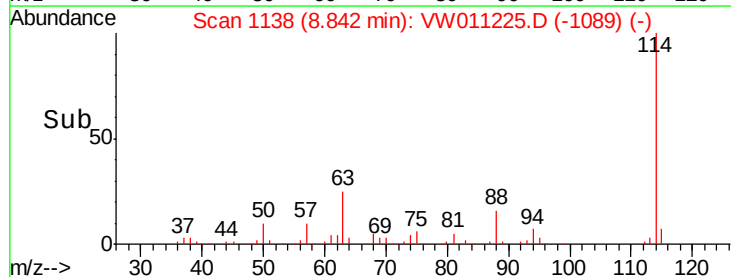
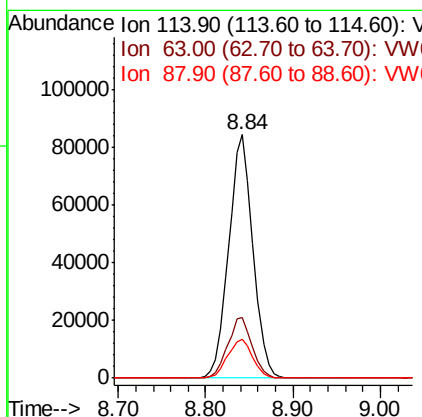
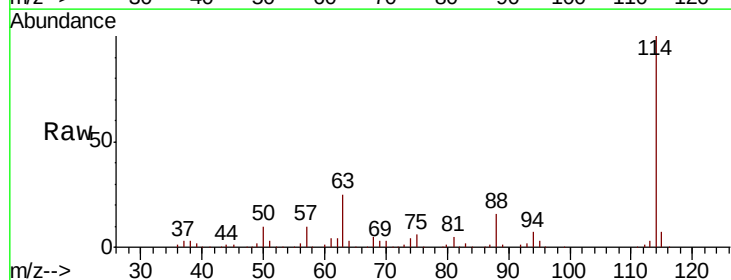
Instrument :
 MSVOA_W
 ClientSampleId :
 KY0300F002-SD-190710

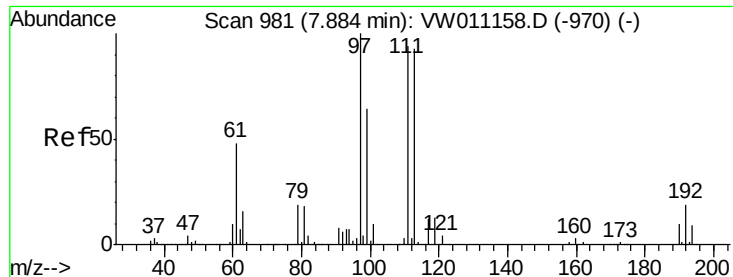
Tot Ion: 65 Resp: 69244
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

Tgt Ion: 114 Resp: 162008
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.8
 88 15.8 0.0 34.2

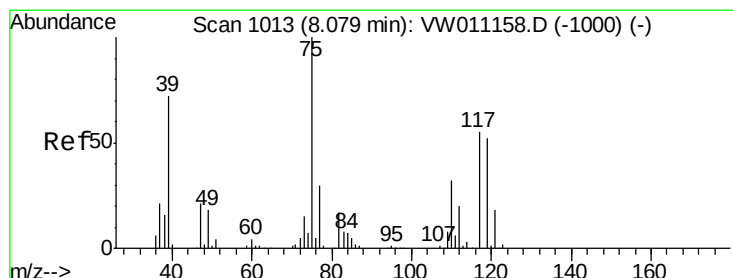
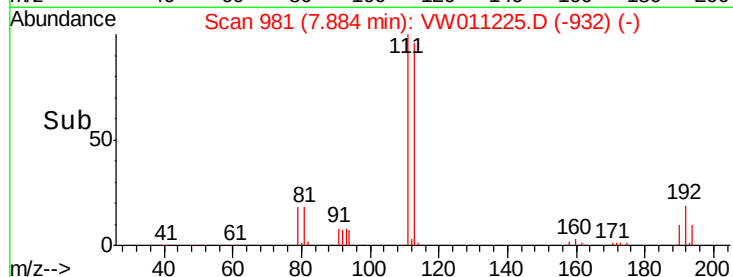
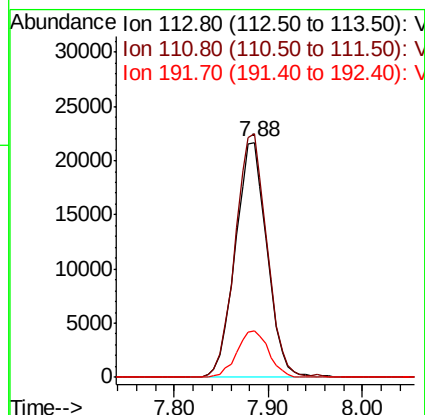
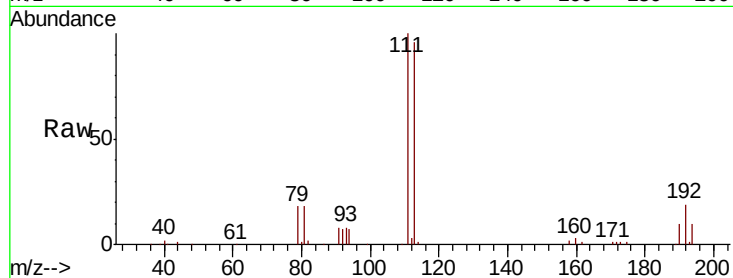




#35
 Dibromofluoromethane
 Concen: 52.556 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

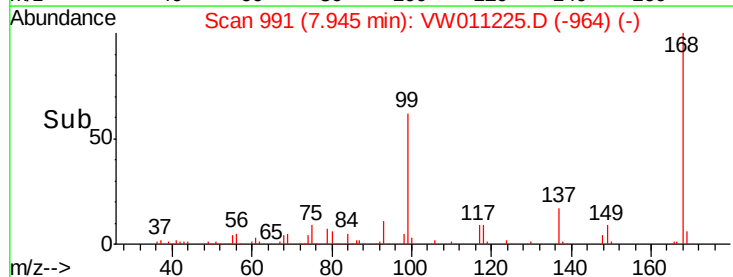
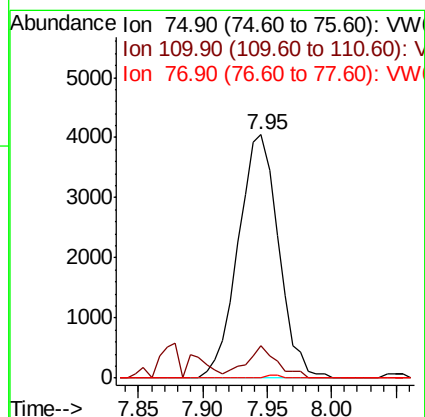
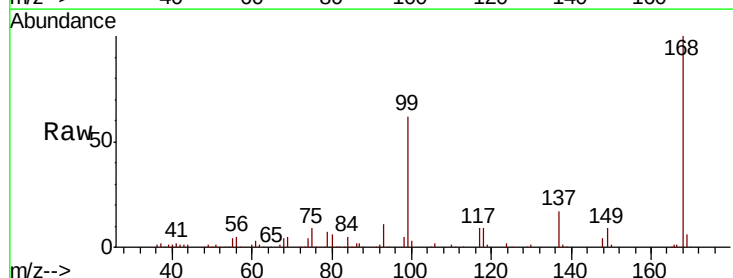
Instrument :
 MSVOA_W
 ClientSampleId :
 KY0300F002-SD-190710

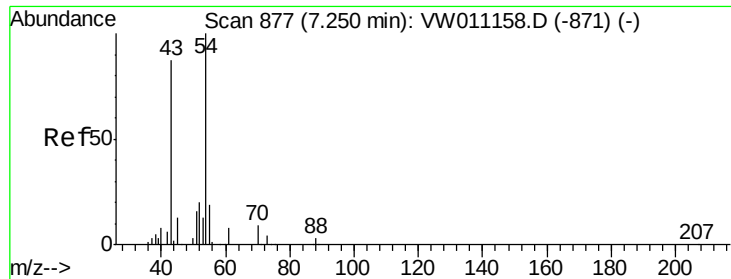
Tot Ion:113 Resp: 50750
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.4 123.6
 192 19.7 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

Tgt Ion: 75 Resp: 8795
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.9 47.6#
 77 0.5 24.6 36.8#

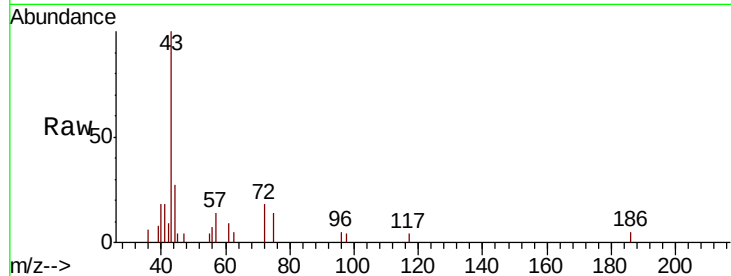




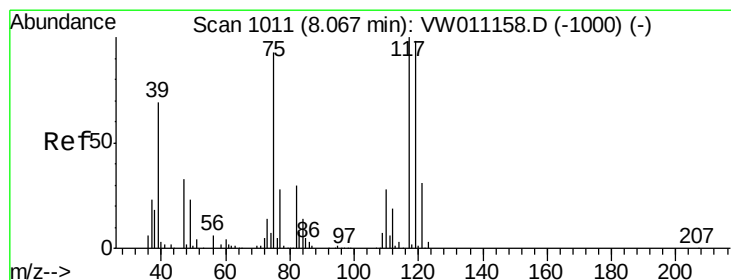
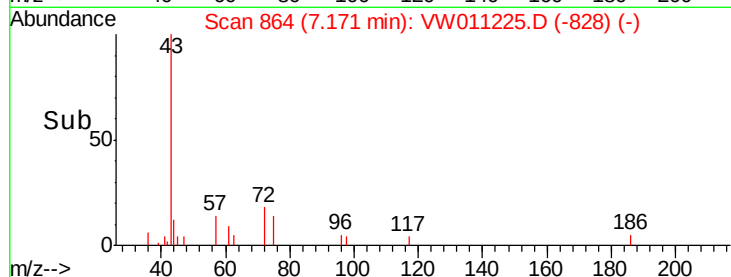
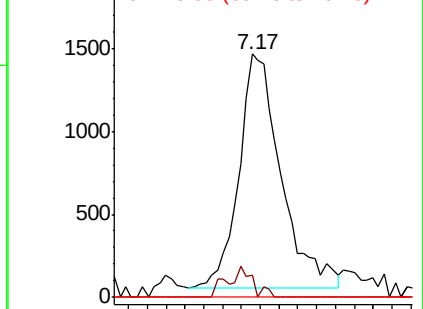
#37
Ethyl Acetate
Concen: 4.265 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

Tot Ion: 43 Resp: 4421
Ion Ratio Lower Upper
43 100
61 5.3 9.5 14.3#
70 0.0 7.1 10.7#

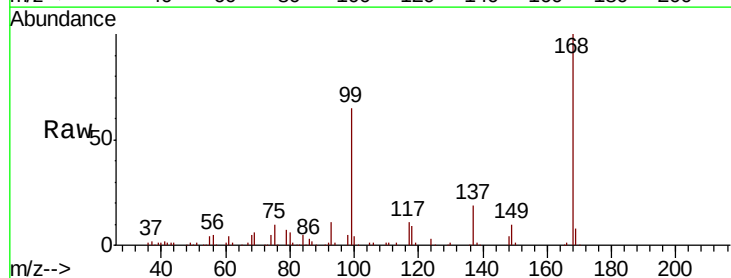


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

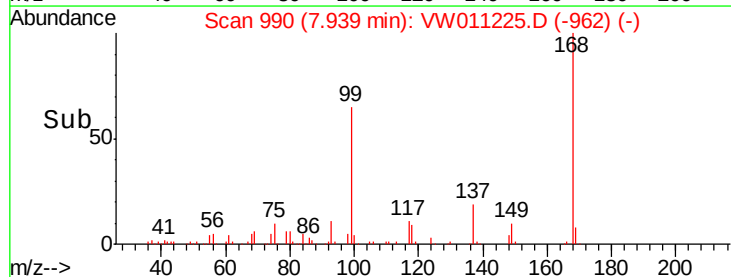
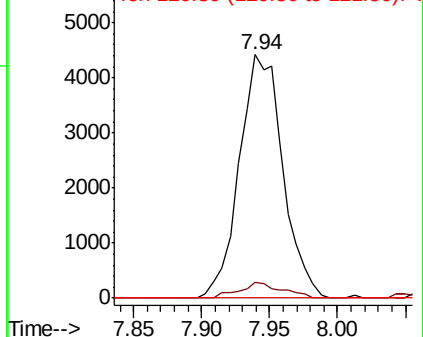


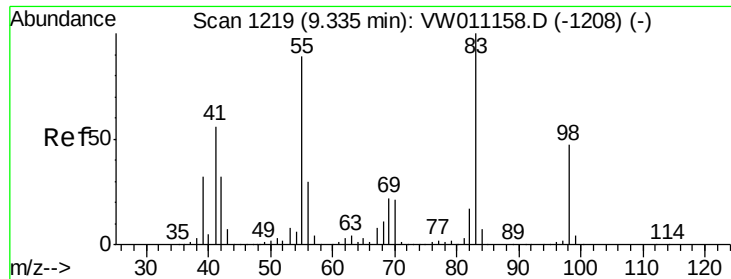
#38
Carbon Tetrachloride
Concen: 6.747 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Tgt Ion: 117 Resp: 9868
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
121 0.0 25.1 37.7#



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

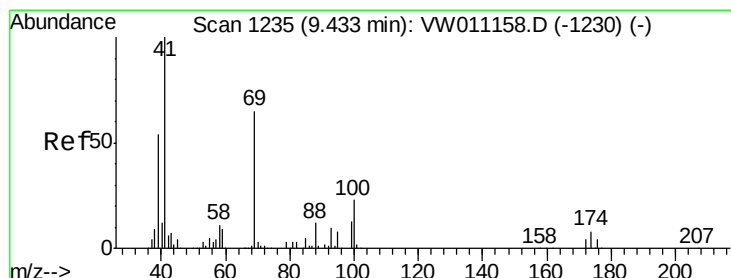
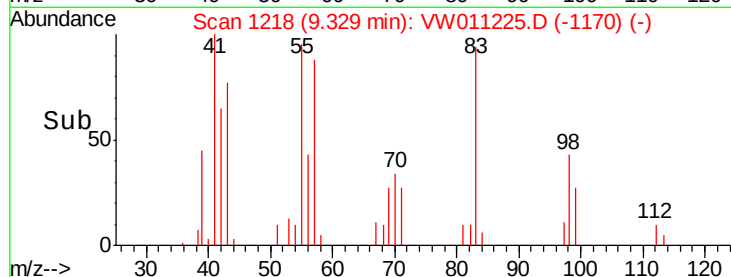
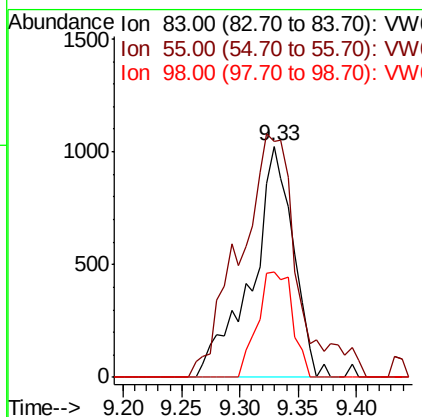
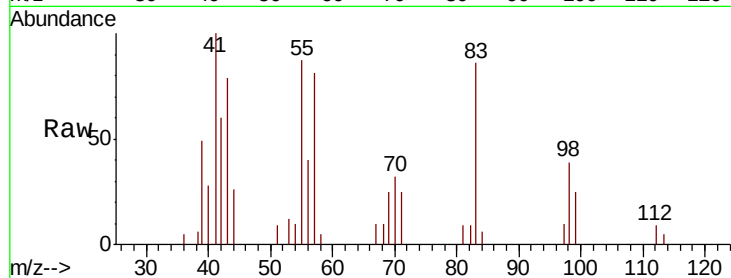




#39
Methylcyclohexane
Concen: 1.226 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

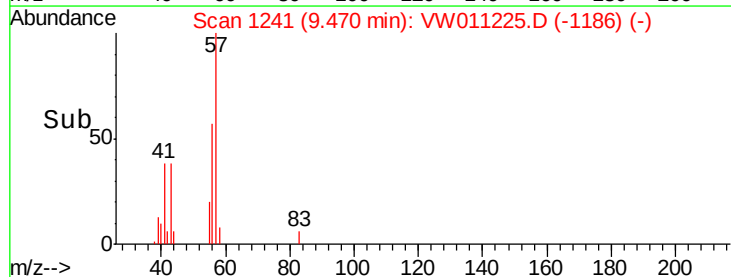
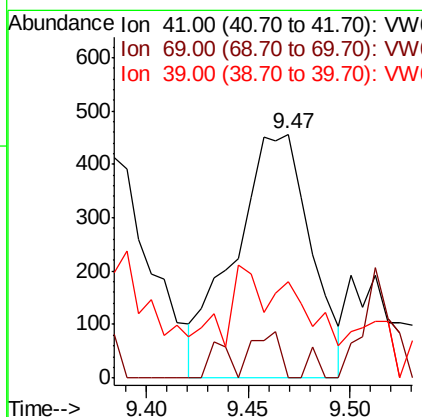
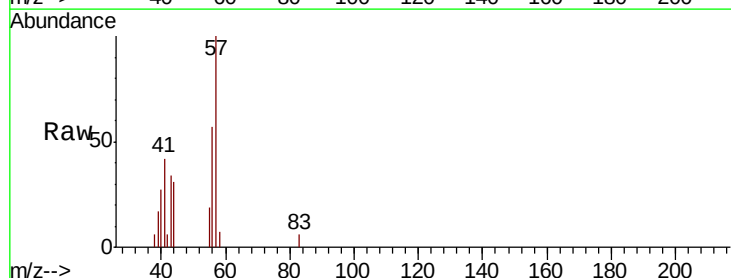
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

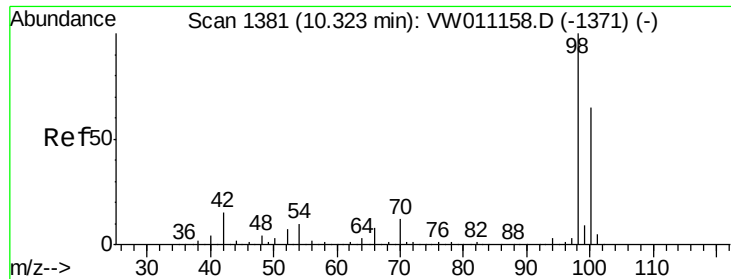
Tot Ion: 83 Resp: 2563
Ion Ratio Lower Upper
83 100
55 101.8 71.2 106.8
98 45.7 37.5 56.3



#48
Methyl methacrylate
Concen: 1.265 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.04 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Tgt Ion: 41 Resp: 1191
Ion Ratio Lower Upper
41 100
69 7.0 56.0 84.0#
39 0.0 43.5 65.3#

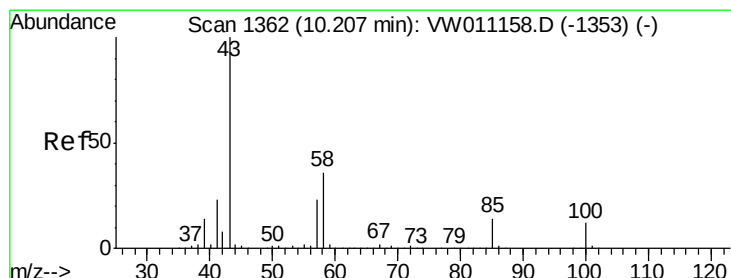
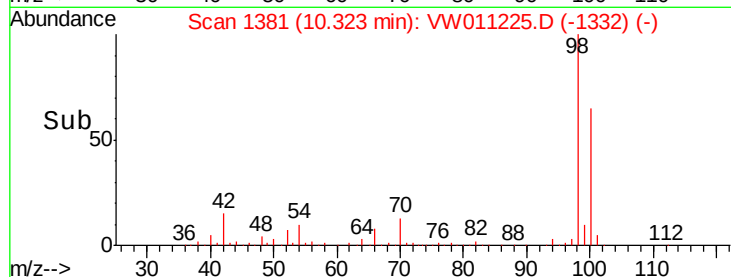
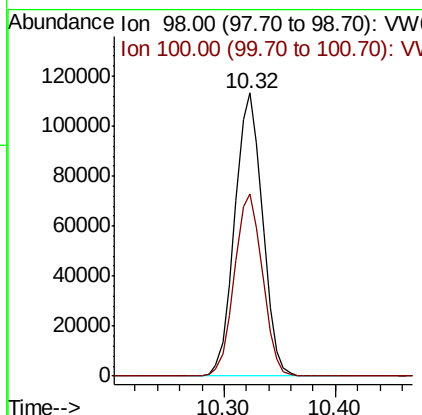
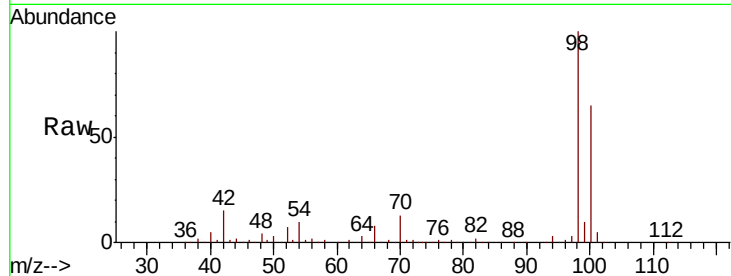




#50
Toluene-d8
Concen: 50.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

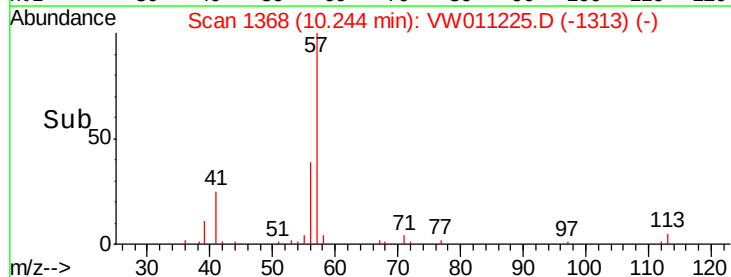
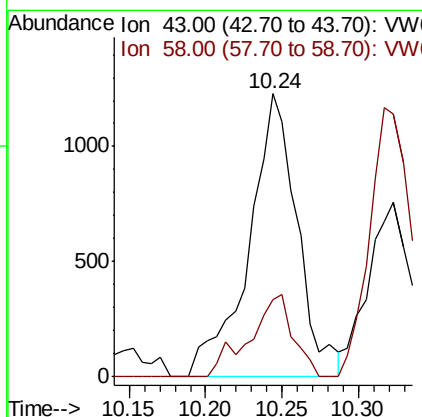
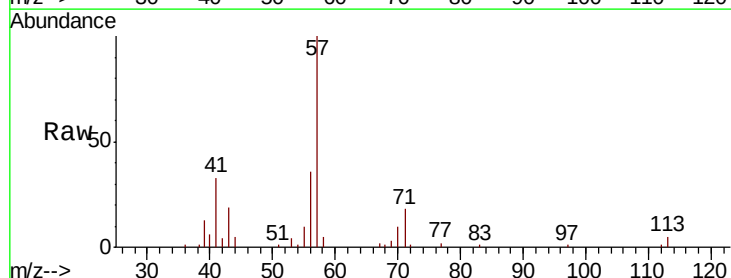
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

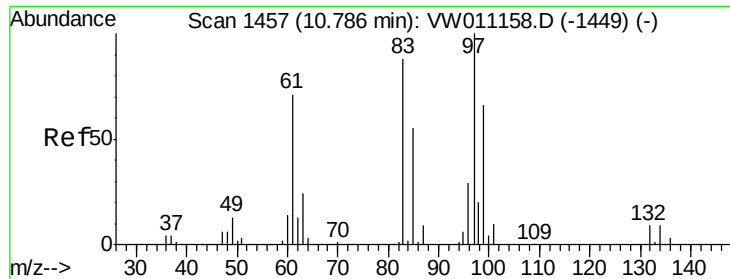
Tot Ion: 98 Resp: 195770
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 2.650 ug/l
RT: 10.24 min Scan# 1368
Delta R.T. 0.04 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
58 26.2 28.2 42.2#

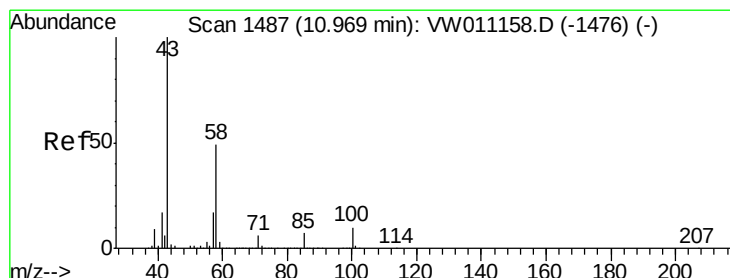
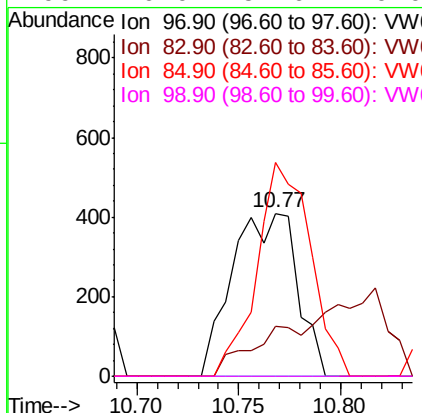
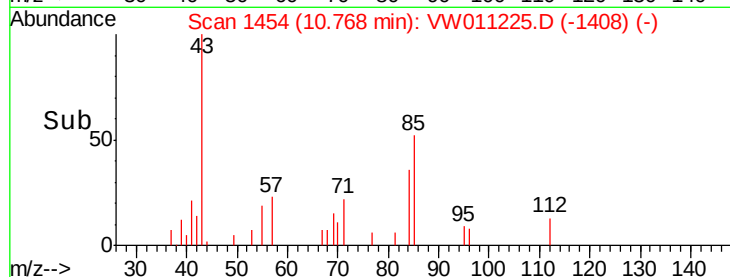
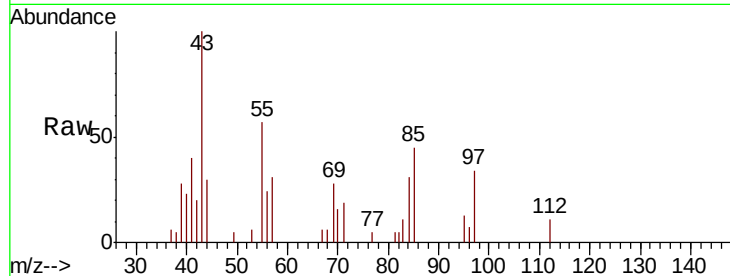




#55
 1,1,2-Trichloroethane
 Concen: 1.056 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

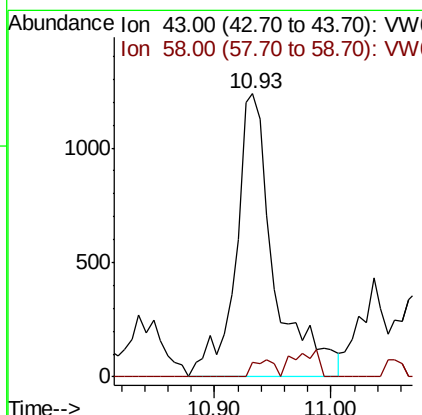
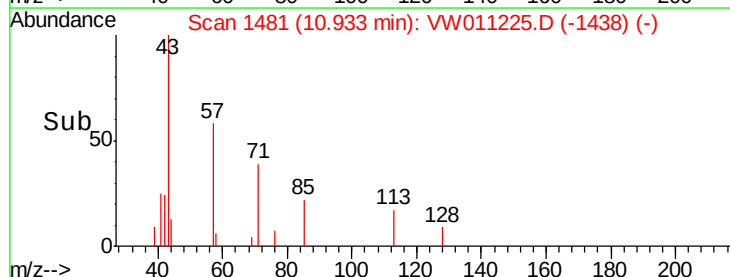
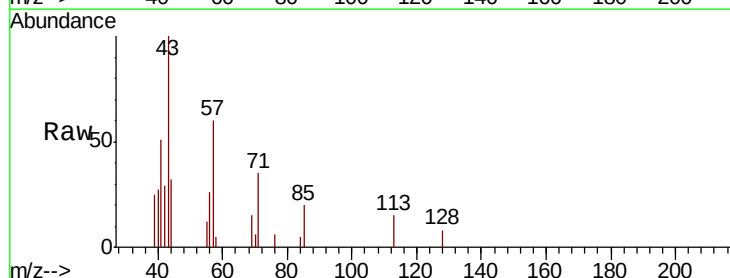
Instrument :
 MSVOA_W
 ClientSampleId :
 KY0300F002-SD-190710

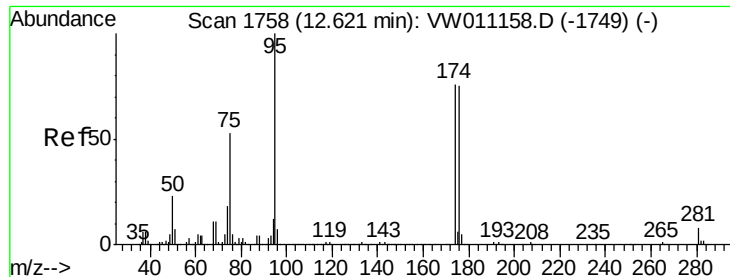
Tot Ion: 97 Resp: 909
 Ion Ratio Lower Upper
 97 100
 83 31.1 70.2 105.4#
 85 131.3 44.2 66.2#
 99 0.0 52.6 79.0#



#59
 2-Hexanone
 Concen: 4.016 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW011225.D
 Acq: 11 Jul 2019 13:23

Tgt Ion: 43 Resp: 2847
 Ion Ratio Lower Upper
 43 100
 58 3.3 24.4 73.4#

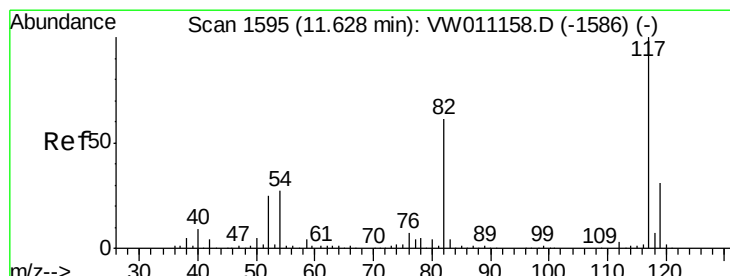
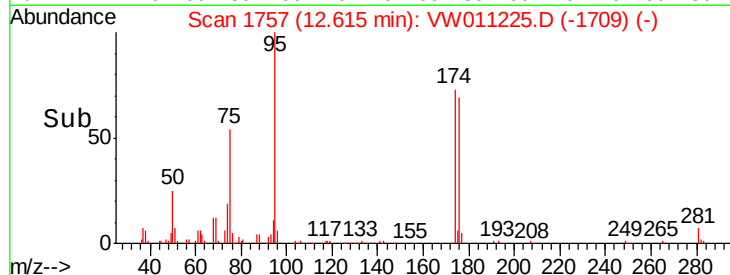
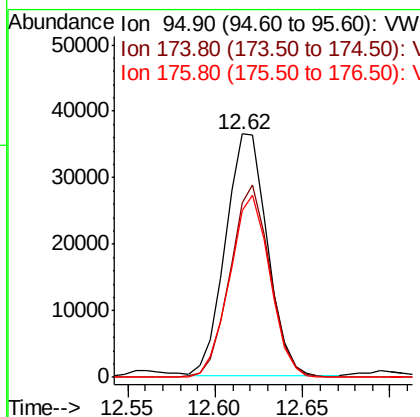
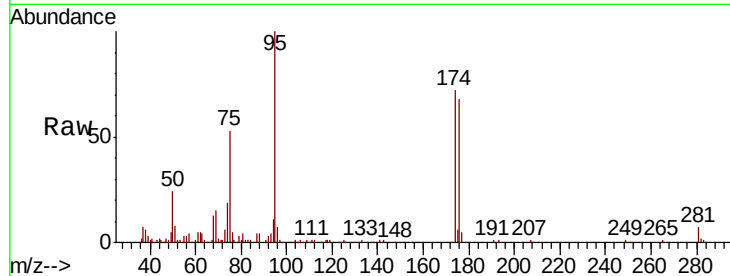




#62
4-Bromofluorobenzene
Concen: 42.271 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

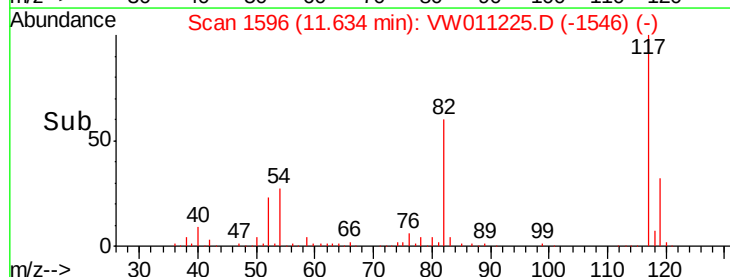
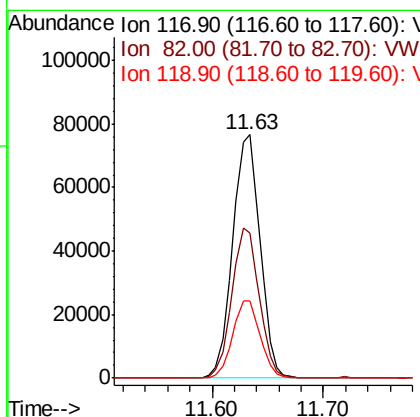
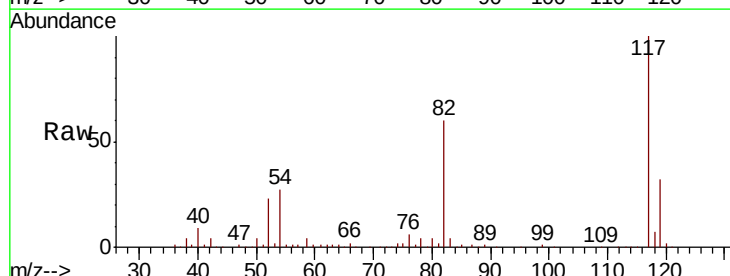
Instrument :
MSVOA_W
ClientSampleId :
KY0300F002-SD-190710

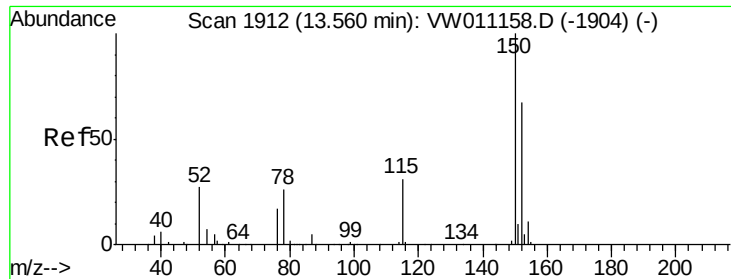
Tot Ion: 95 Resp: 60476
Ion Ratio Lower Upper
95 100
174 76.3 0.0 147.6
176 72.7 0.0 144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011225.D
Acq: 11 Jul 2019 13:23

Tgt Ion: 117 Resp: 131044
Ion Ratio Lower Upper
117 100
82 59.3 48.9 73.3
119 31.9 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

KY0300F002-SD-190710

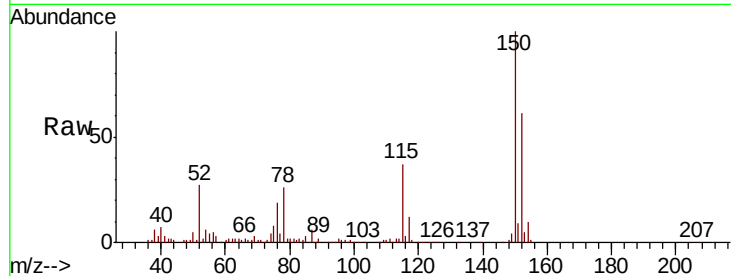
Tot Ion:152 Resp: 49184

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

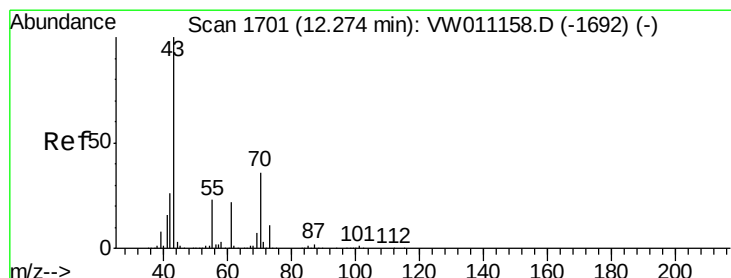
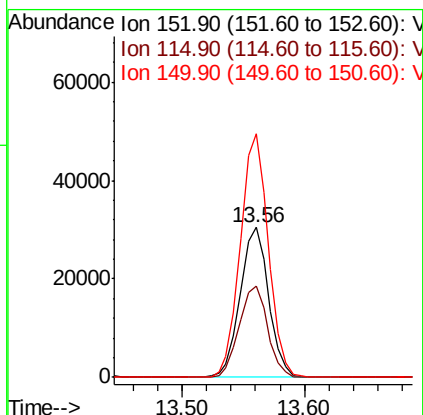
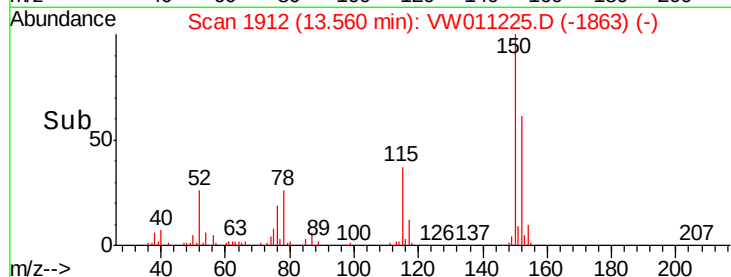
150 159.2 0.0 346.0



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



#74

N-ethyl acetate

Concen: 1.669 ug/l

RT: 12.23 min Scan# 1694

Delta R.T. -0.04 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Tgt Ion: 43 Resp: 2137

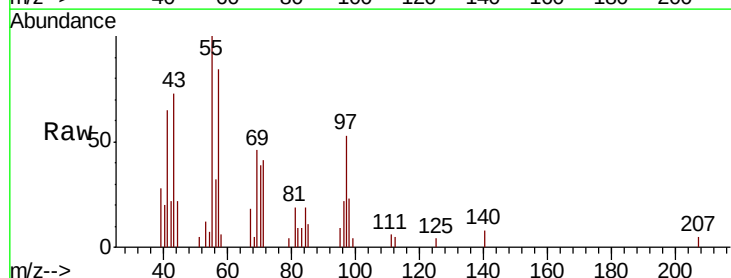
Ion Ratio Lower Upper

43 100

70 46.7 28.5 42.7#

55 117.5 18.1 27.1#

61 0.0 17.2 25.8#

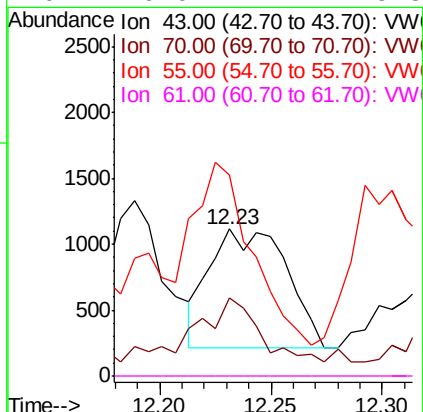
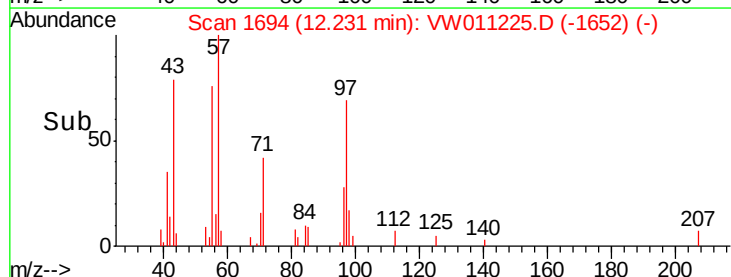


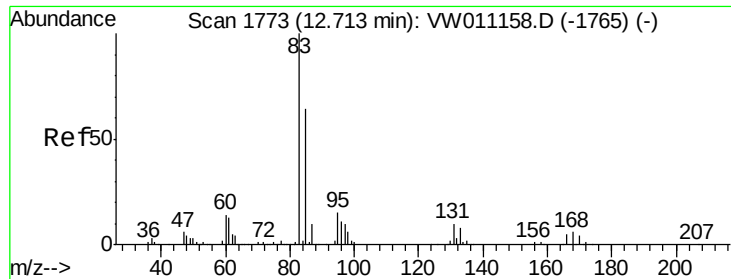
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.688 ug/l

RT: 12.69 min Scan# 1769

Delta R.T. -0.02 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

KY0300F002-SD-190710

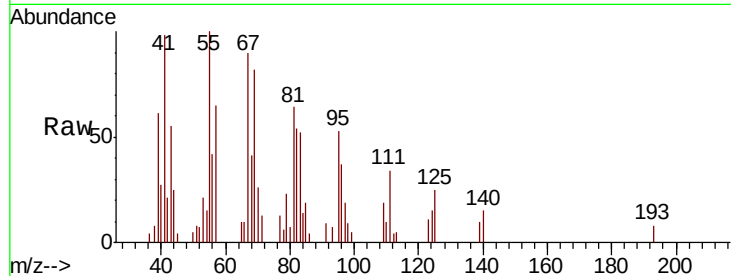
Tot Ion: 83 Resp: 1272

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

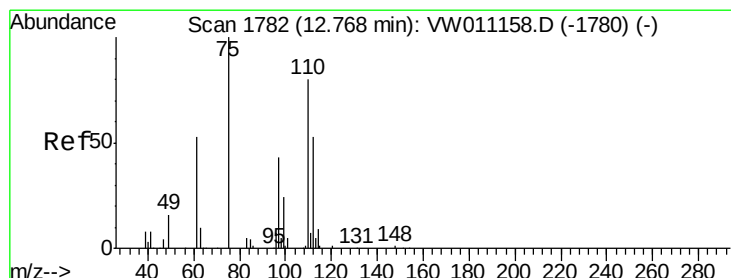
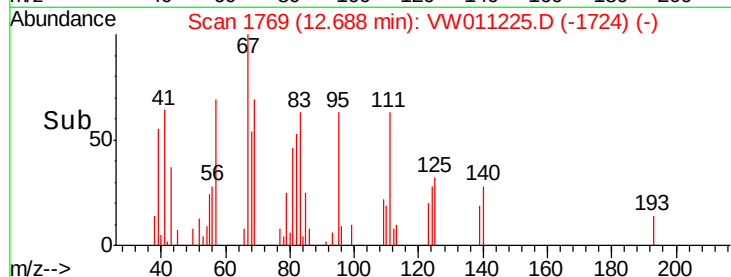
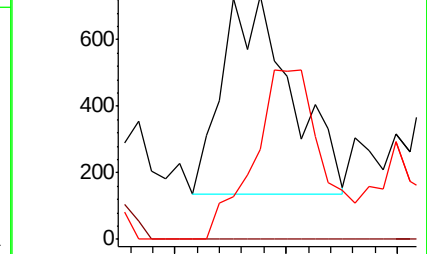
85 85.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 57.400 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011225.D

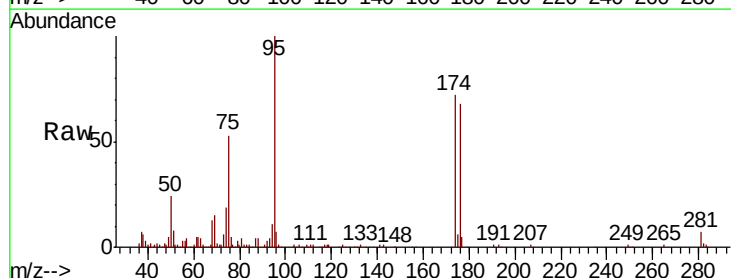
Acq: 11 Jul 2019 13:23

Tgt Ion: 75 Resp: 32625

Ion Ratio Lower Upper

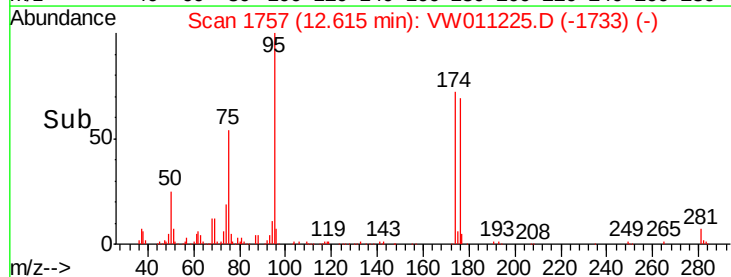
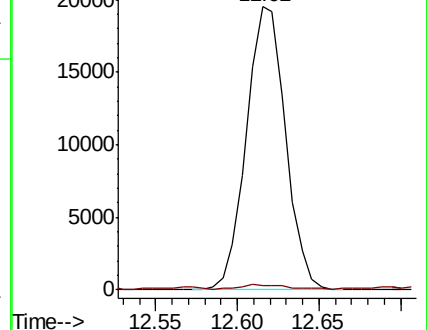
75 100

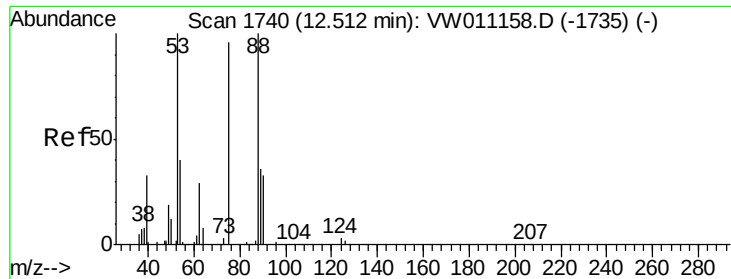
77 2.3 0.0 0.0#



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: 129.827 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011225.D

Acq: 11 Jul 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

KY0300F002-SD-190710

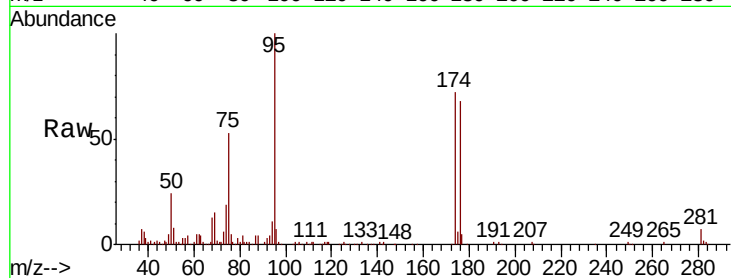
Tot Ion: 75 Resp: 32625

Ion Ratio Lower Upper

75 100

53 1.3 89.8 134.6#

89 0.0 34.3 51.5#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

Time-->

