

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012348.D
 Acq On : 30 Aug 2019 14:25
 Operator : SY/VA
 Sample : K4620-10
 Misc : 6.04G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 30 15:51:55 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	201738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117330	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	135143	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	
35) Dibromofluoromethane	7.88	113	103243	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
50) Toluene-d8	10.32	98	406448	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	133685	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

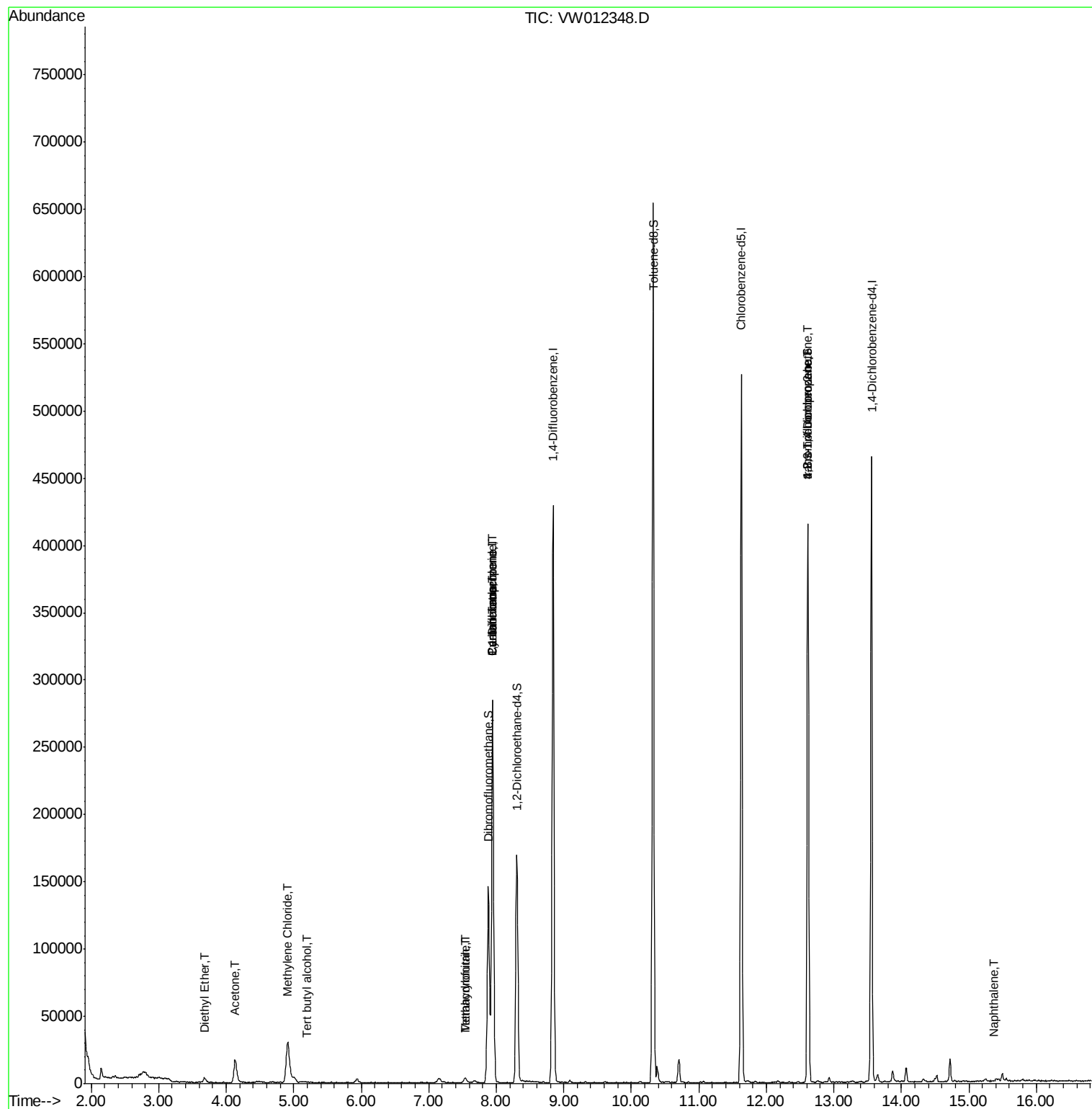
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1726	1.537	ug/l	66
11) Tert butyl alcohol	5.18	59	161	1.116	ug/l #	71
16) Acetone	4.14	43	34089	55.608	ug/l	98
20) Methylene Chloride	4.92	84	23854	10.293	ug/l	95
29) Tetrahydrofuran	7.54	42	3435	6.873	ug/l	96
31) Cyclohexane	7.95	56	5113	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17396	5.051	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20515	6.882	ug/l #	16
41) Methacrylonitrile	7.53	41	1983	1.788	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	70789	61.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70789	135.824	ug/l #	6
95) Naphthalene	15.36	128	232	4.369	ug/l #	69

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

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QLast Update : Mon Aug 26 07:18:31 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: VW012348.D

Acq: 30 Aug 2019 14:25

Instrument :

MSVOA_W

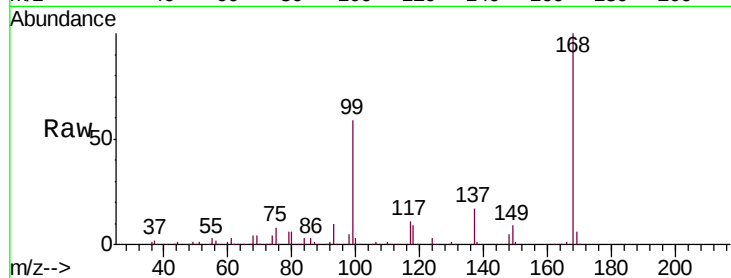
ClientSampleId :

Tot Ion:168 Resp: 201738

Ion Ratio Lower Upper

168 100

99 59.0 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

80000

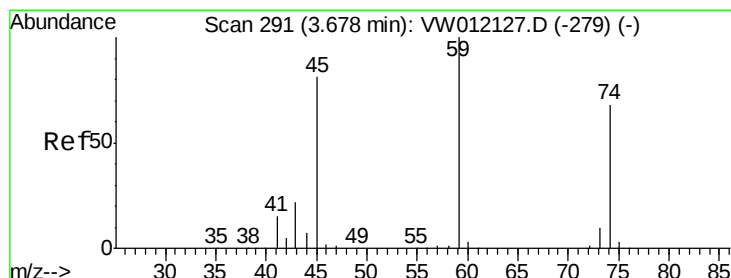
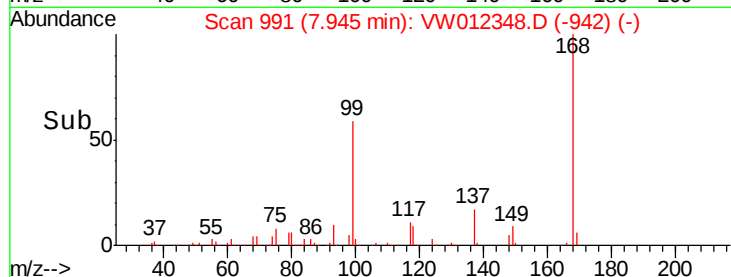
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.537 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012348.D

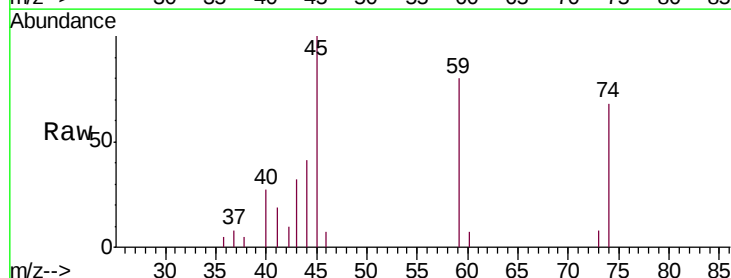
Acq: 30 Aug 2019 14:25

Tgt Ion: 74 Resp: 1726

Ion Ratio Lower Upper

74 100

45 155.6 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

1200

1000

800

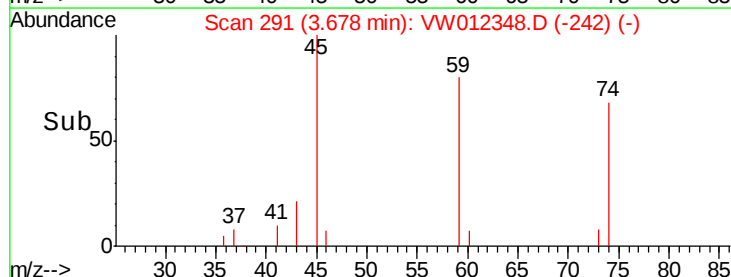
600

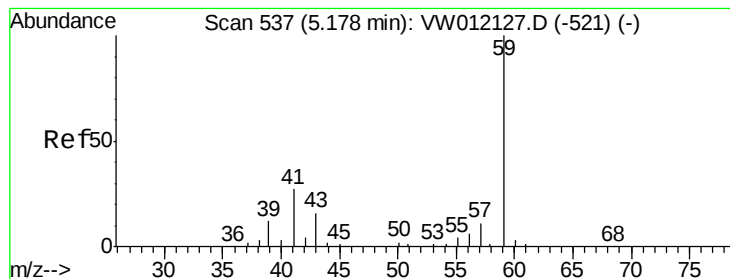
400

200

0

Time--> 3.60 3.65 3.70 3.75



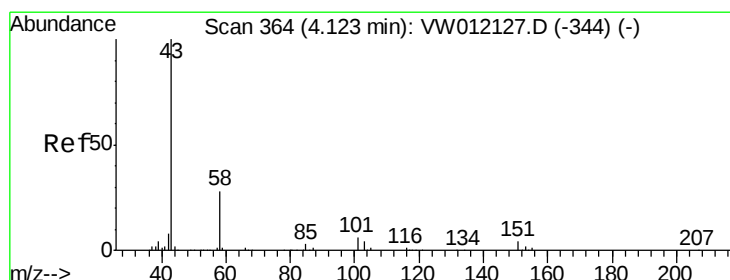
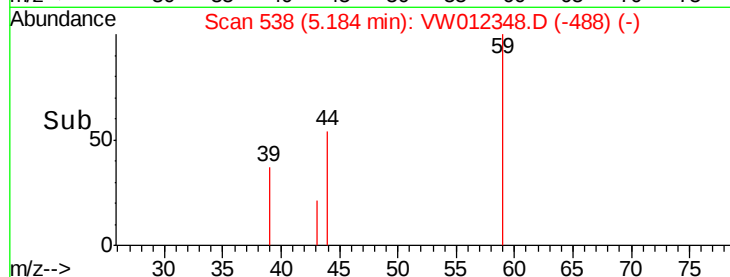
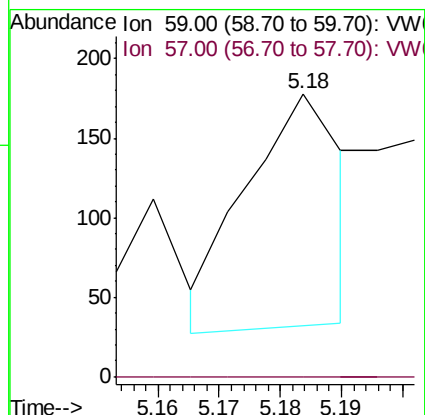
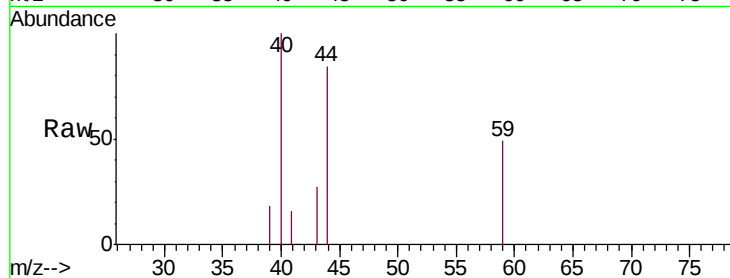


#11

Tert butyl alcohol
 Concen: 1.116 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW012348.D
 Acq: 30 Aug 2019 14:25

Instrument :
 MSVOA_W
 ClientSampled :

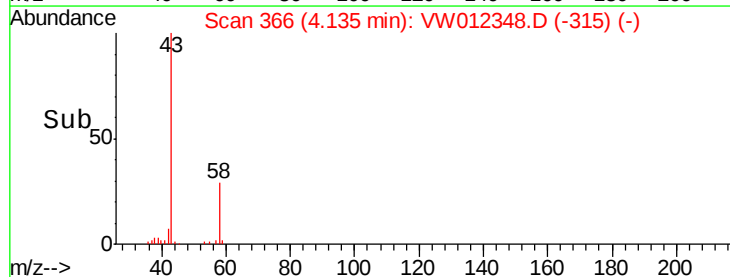
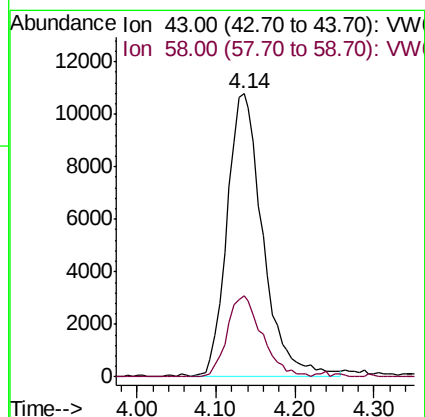
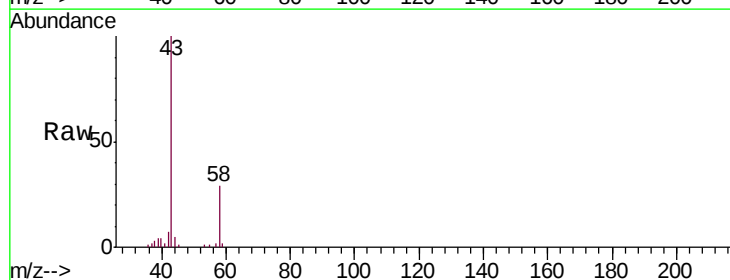
Tot Ion: 59 Resp: 161
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

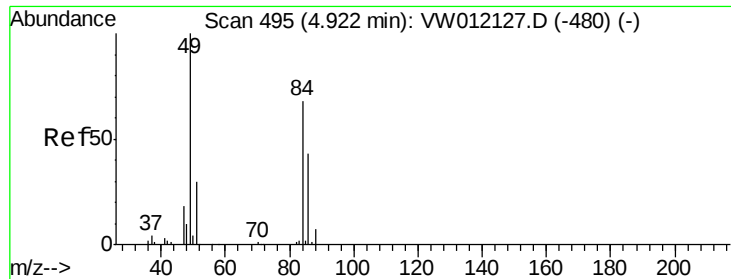


#16

Acetone
 Concen: 55.608 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012348.D
 Acq: 30 Aug 2019 14:25

Tgt Ion: 43 Resp: 34089
 Ion Ratio Lower Upper
 43 100
 58 28.9 22.4 33.6

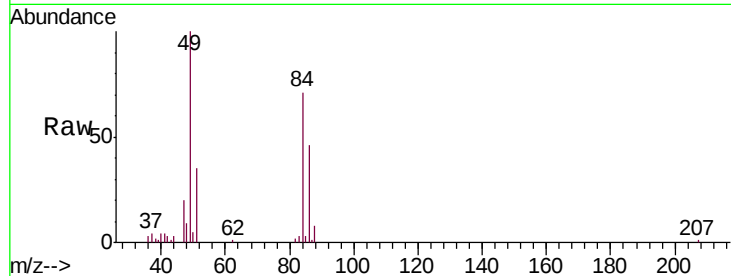




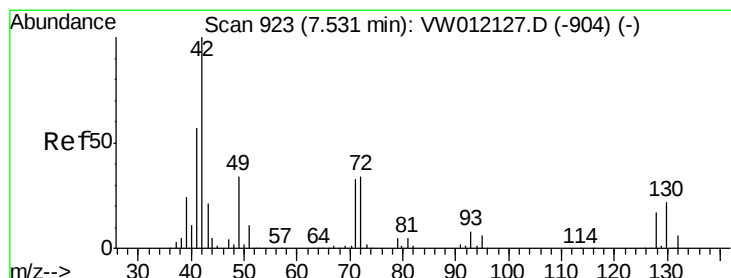
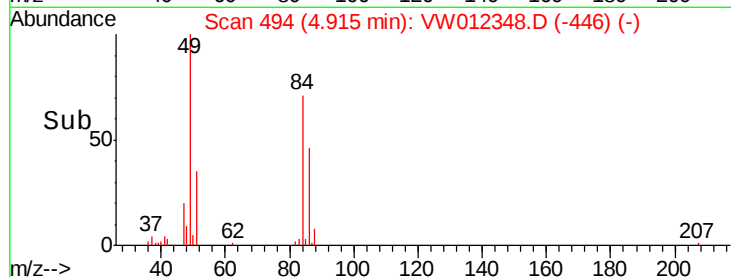
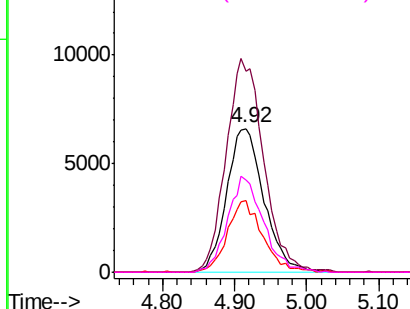
#20
Methylene Chloride
Concen: 10.293 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012348.D
Acq: 30 Aug 2019 14:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	23854
Ion	Ratio	Lower	Upper
84	100		
49	140.1	117.8	176.8
51	49.5	35.6	53.4
86	63.8	51.2	76.8

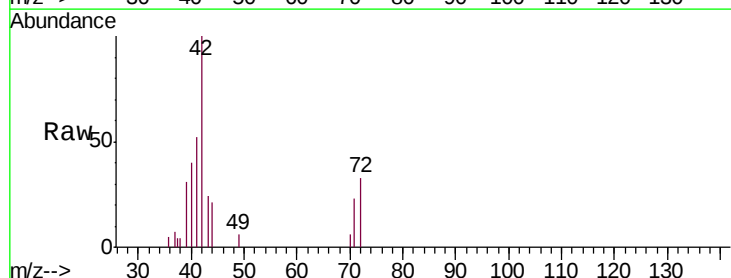


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

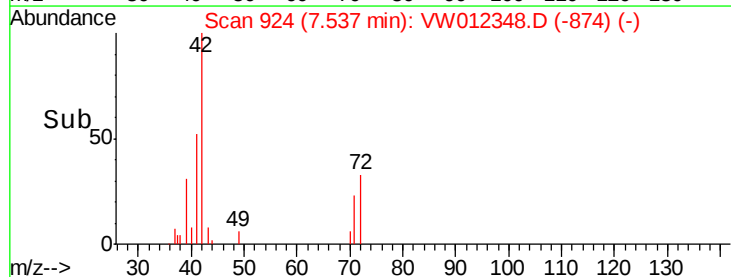
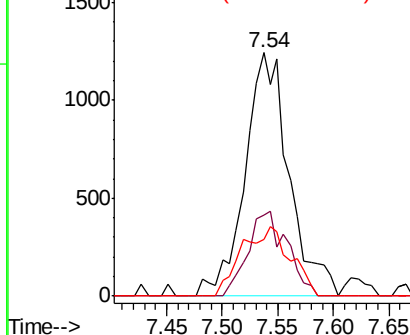


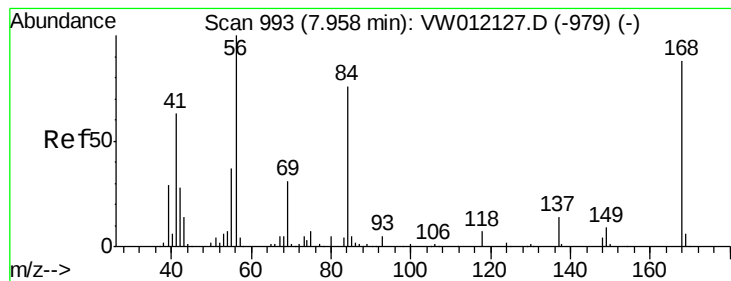
#29
Tetrahydrofuran
Concen: 6.873 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012348.D
Acq: 30 Aug 2019 14:25

Tgt Ion:	42	Resp:	3435
Ion	Ratio	Lower	Upper
42	100		
72	30.6	27.3	40.9
71	31.3	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: 1.184 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

Instrument :

MSVOA_W

ClientSampleId :

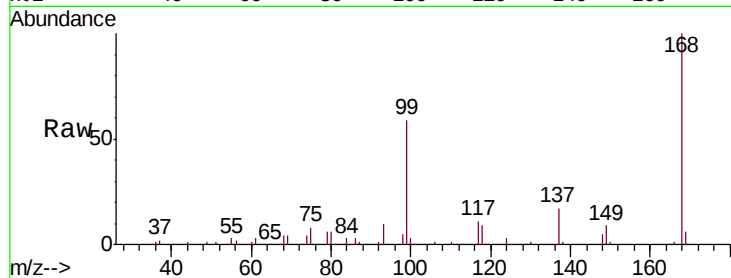
Tot Ion: 56 Resp: 5113

Ion Ratio Lower Upper

56 100

69 180.1 24.9 37.3#

84 130.7 60.6 90.8#

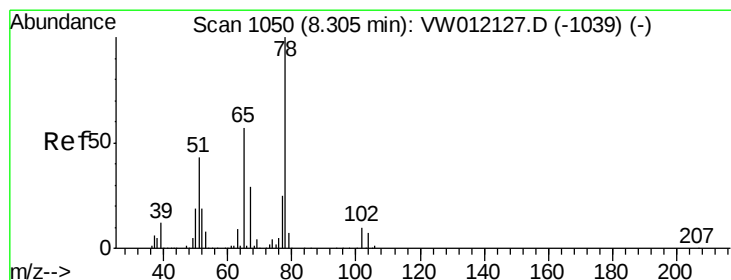
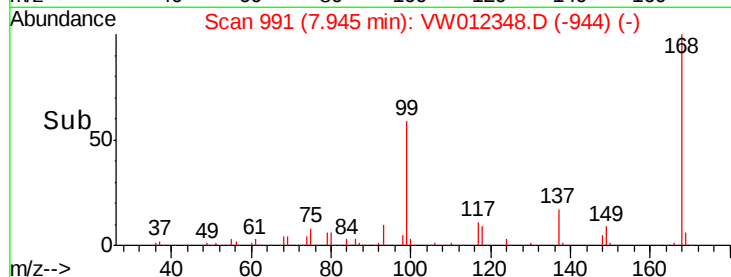
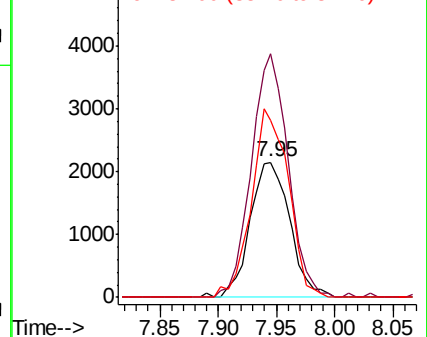


Abundance

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: 56.353 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012348.D

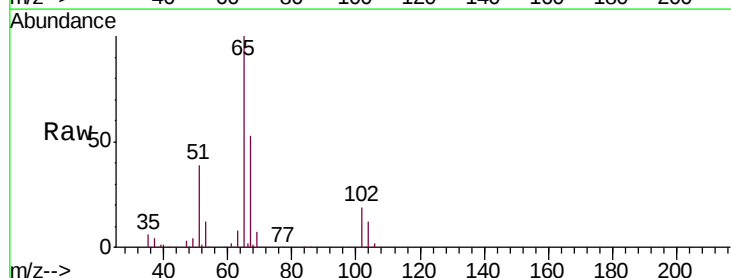
Acq: 30 Aug 2019 14:25

Tgt Ion: 65 Resp: 135143

Ion Ratio Lower Upper

65 100

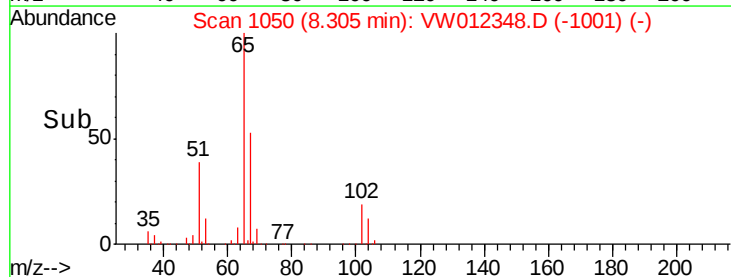
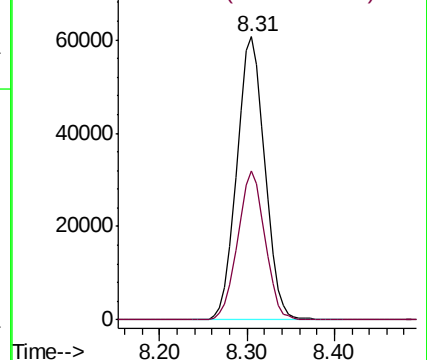
67 51.4 0.0 102.6

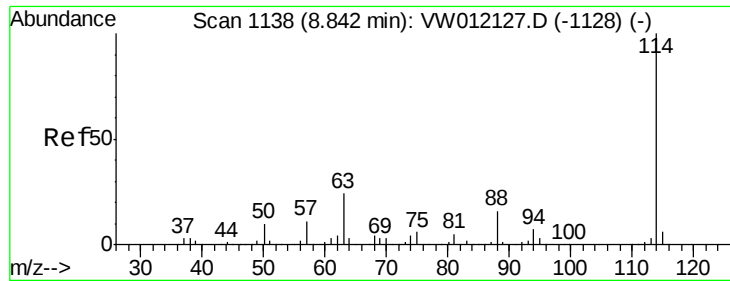


Abundance

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: VW012348.D

Acq: 30 Aug 2019 14:25

Instrument :

MSVOA_W

ClientSampleId :

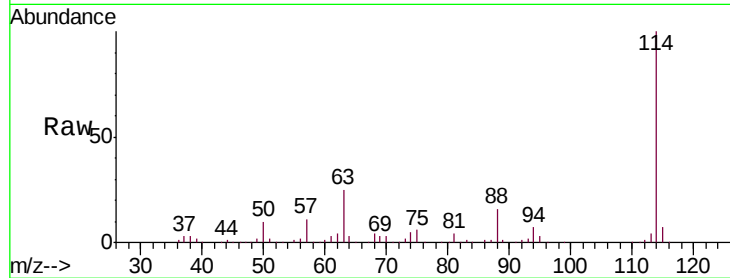
Tot Ion:114 Resp: 333283

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

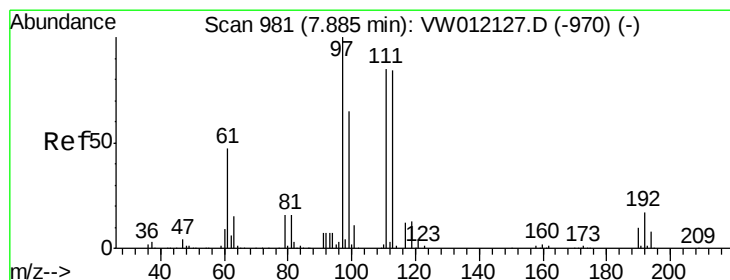
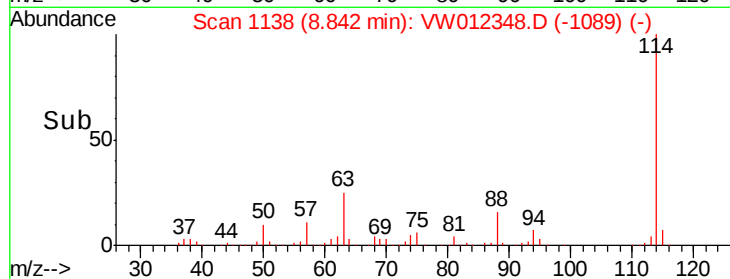
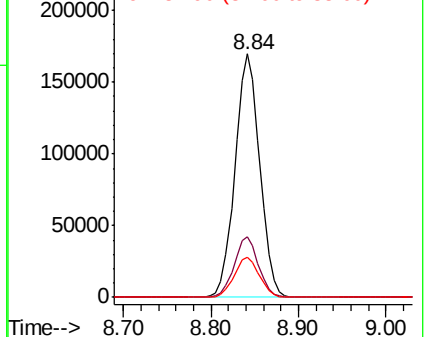
88 16.4 0.0 32.2



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: 51.897 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

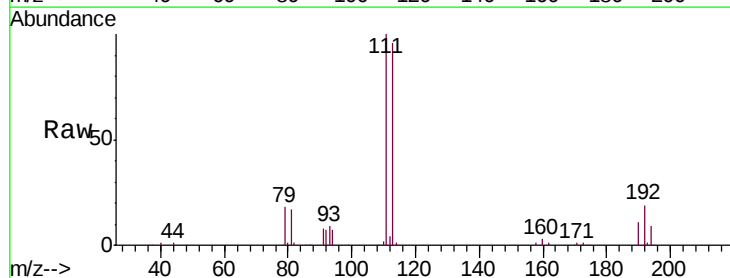
Tgt Ion:113 Resp: 103243

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

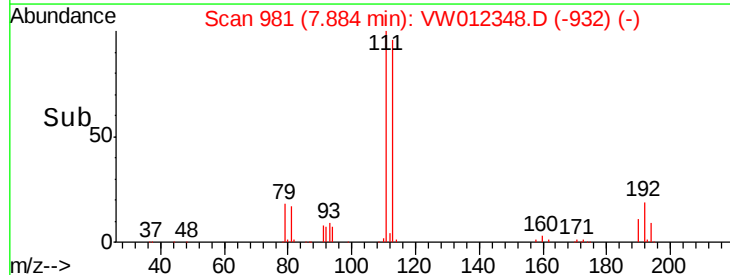
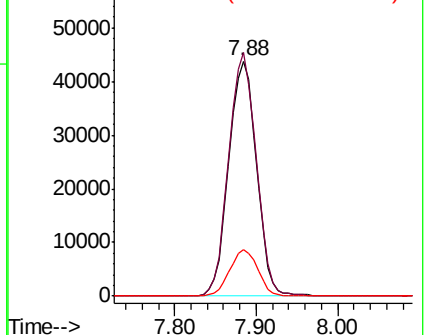
192 19.9 16.2 24.2

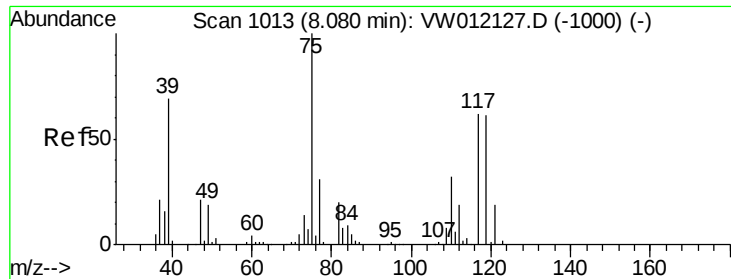


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

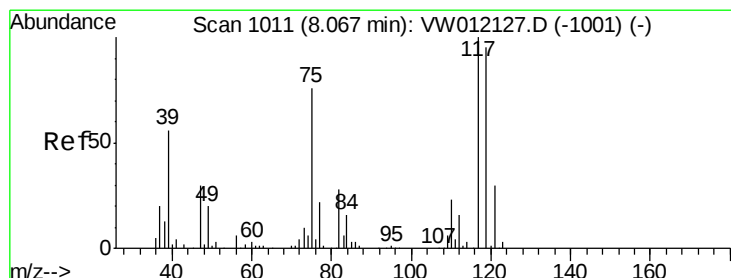
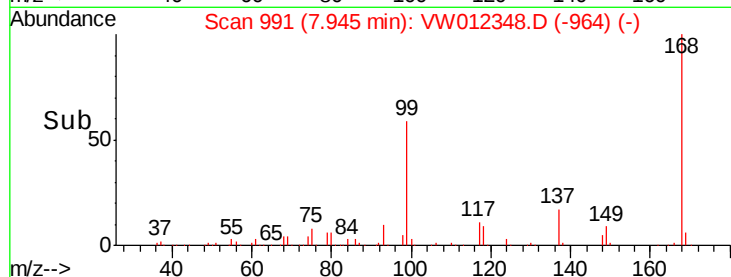
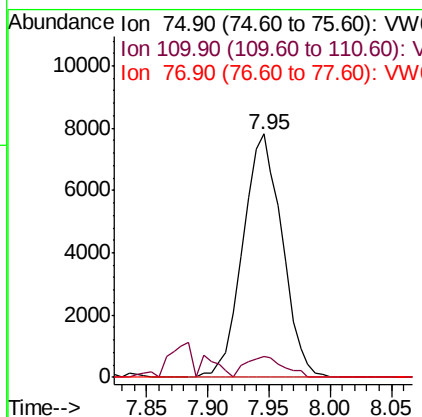
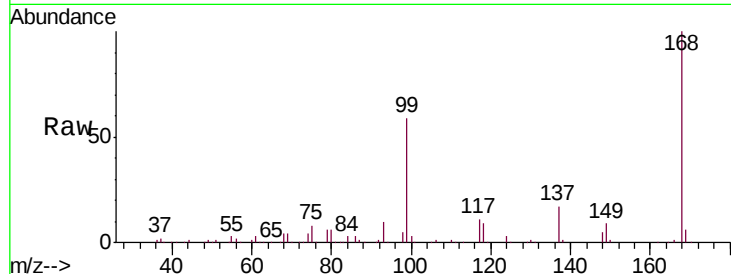




#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012348.D
 Acq: 30 Aug 2019 14:25

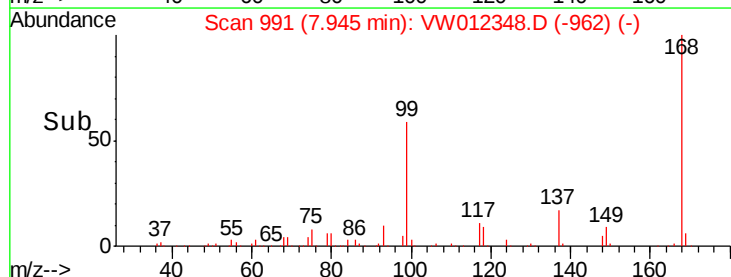
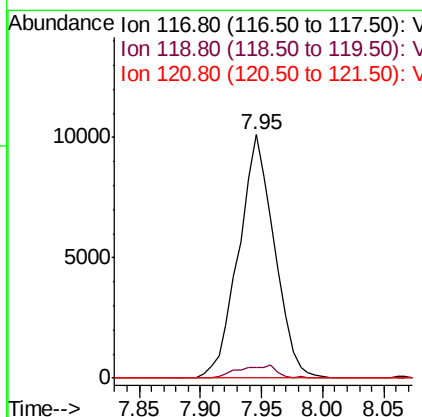
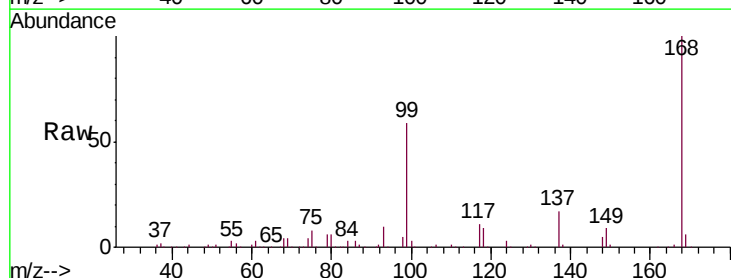
Instrument :
 MSVOA_W
 ClientSampleId :

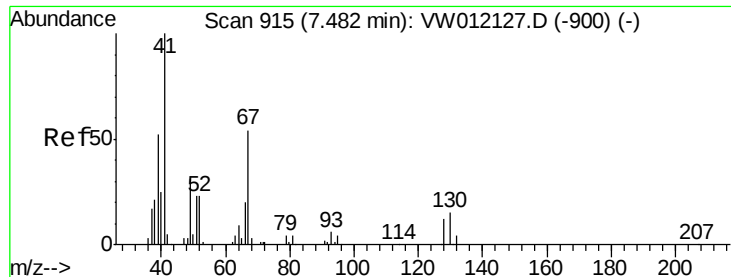
Tot Ion	75	Resp	17396
Ion Ratio	Lower	Upper	
75	100		
110	8.3	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.882 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012348.D
 Acq: 30 Aug 2019 14:25

Tgt Ion	117	Resp	20515
Ion Ratio	Lower	Upper	
117	100		
119	4.6	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 1.788 ug/l

RT: 7.53 min Scan# 923

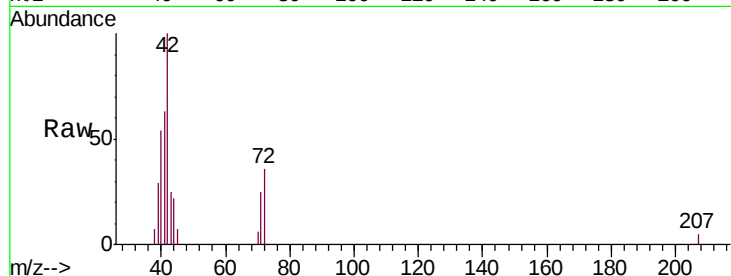
Delta R.T. 0.05 min

Lab File: VW012348.D

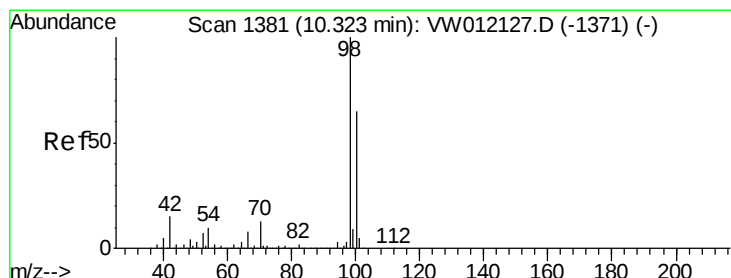
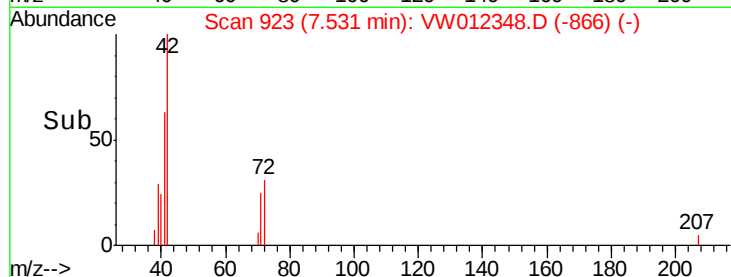
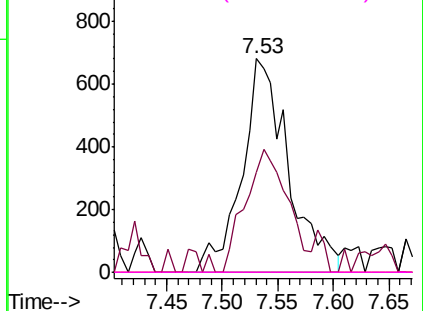
Acq: 30 Aug 2019 14:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	1983
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.388 ug/l

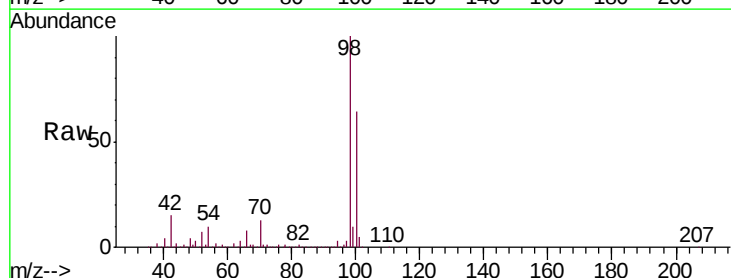
RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

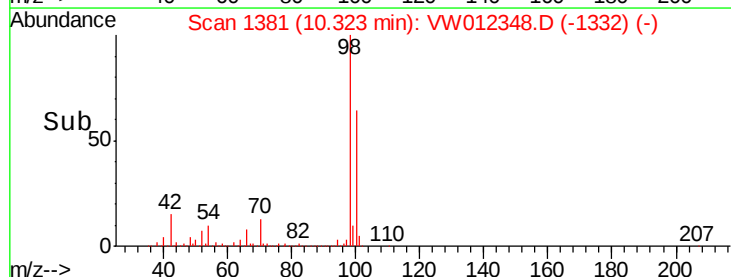
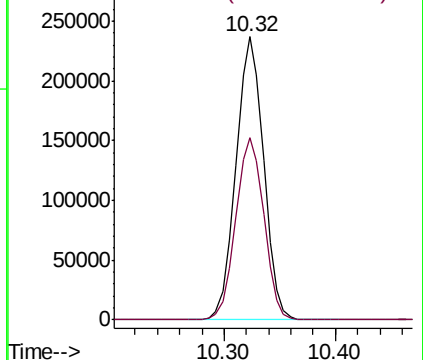
Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

Tgt Ion:	98	Resp:	406448
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6



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





#62

4-Bromofluorobenzene

Concen: 47.016 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

Instrument :

MSVOA_W

ClientSampled :

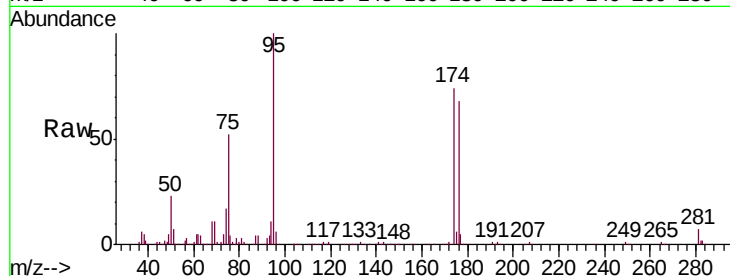
Tot Ion: 95 Resp: 133685

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.8

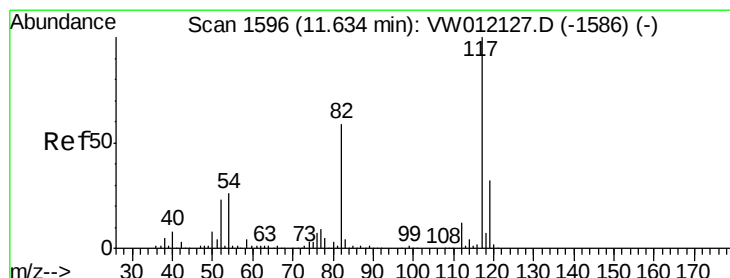
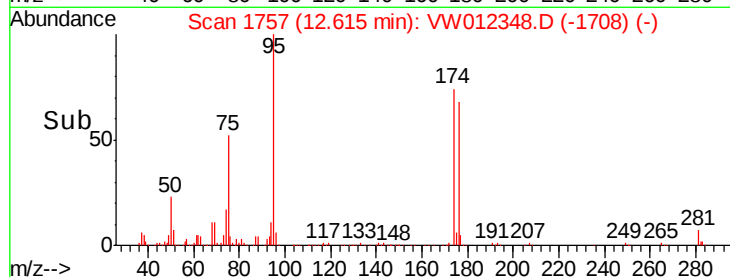
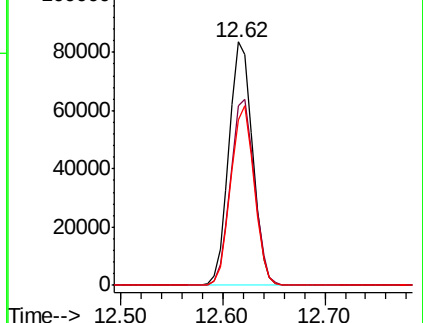
176 73.1 0.0 148.6



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# 1596

Delta R.T. -0.00 min

Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

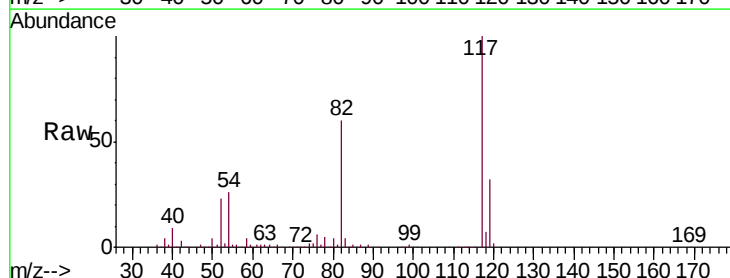
Tgt Ion: 117 Resp: 279998

Ion Ratio Lower Upper

117 100

82 60.3 47.4 71.2

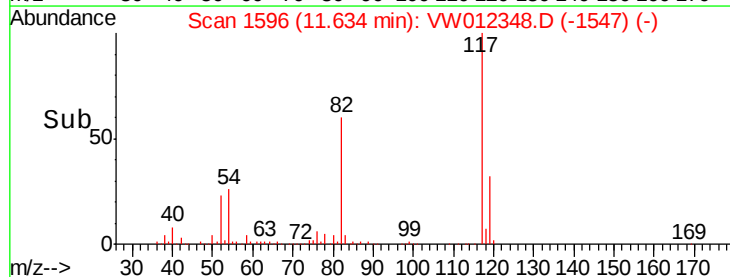
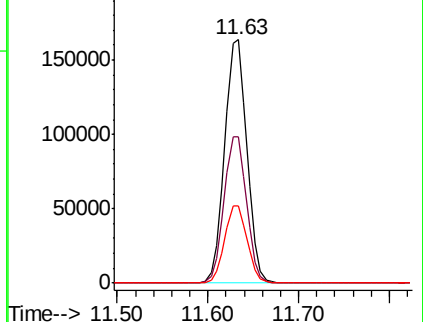
119 32.0 25.4 38.2

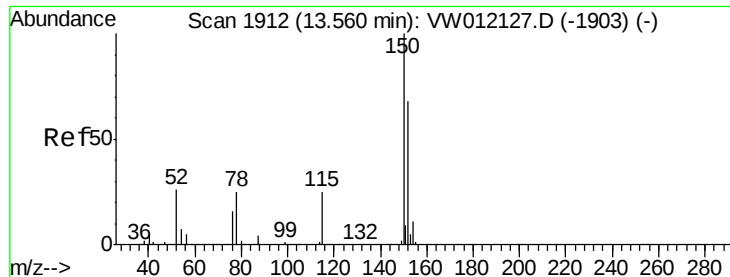


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012348.D

Acq: 30 Aug 2019 14:25

Instrument :

MSVOA_W

ClientSampleId :

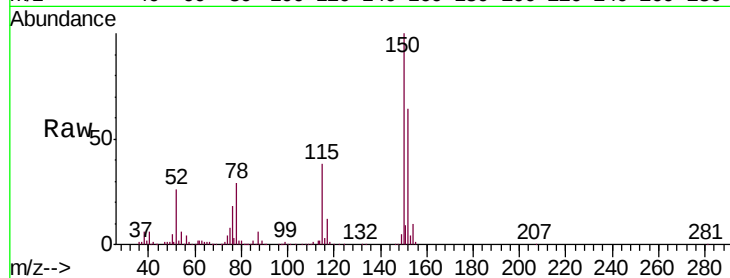
Tot Ion:152 Resp: 117330

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.3

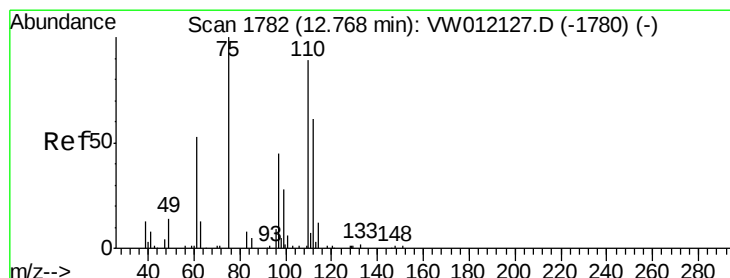
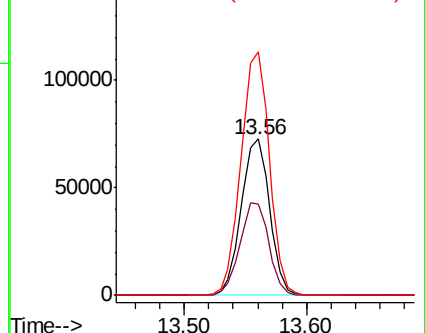
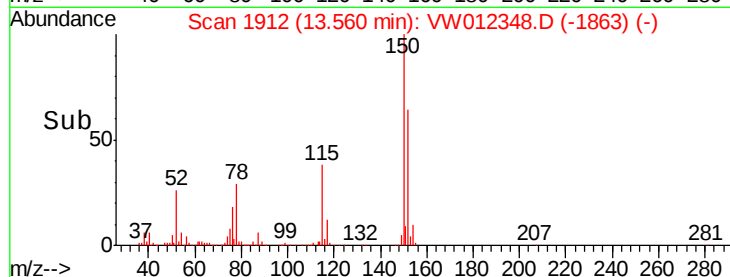
150 155.9 0.0 345.8



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: 61.948 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012348.D

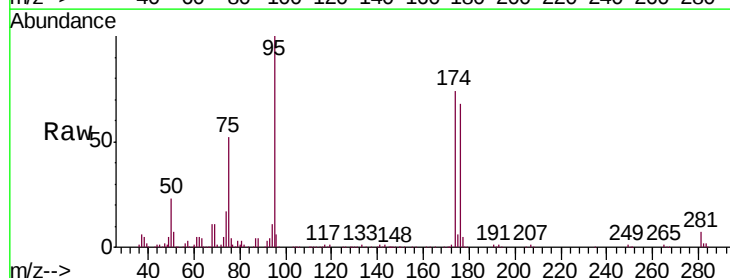
Acq: 30 Aug 2019 14:25

Tgt Ion: 75 Resp: 70789

Ion Ratio Lower Upper

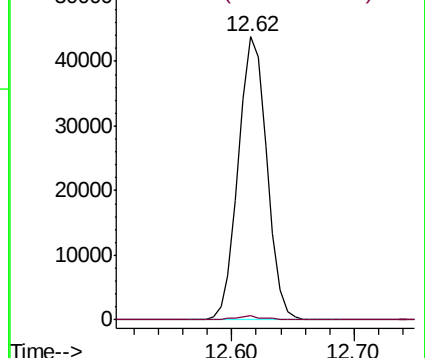
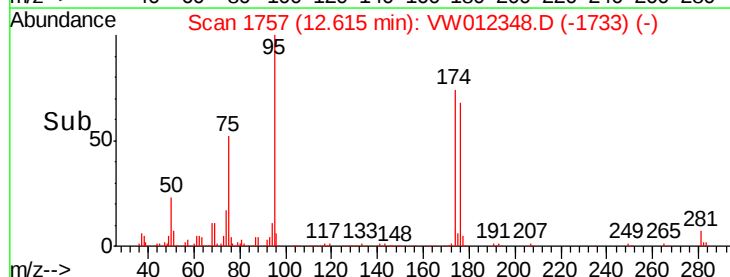
75 100

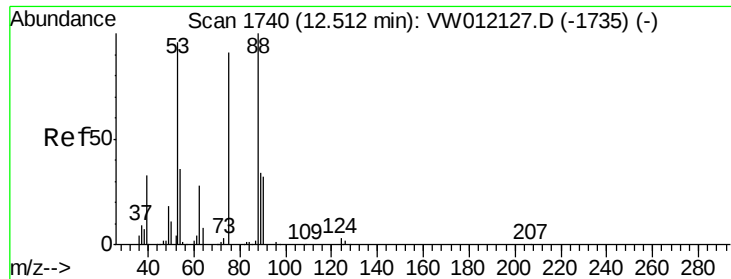
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

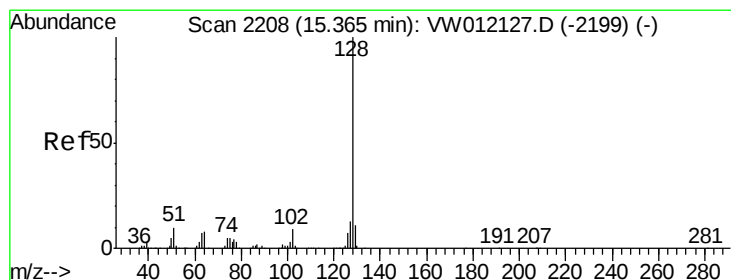
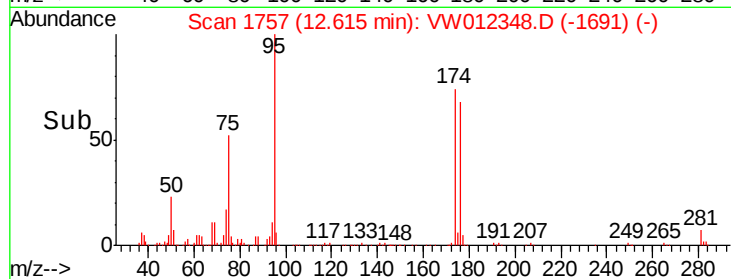
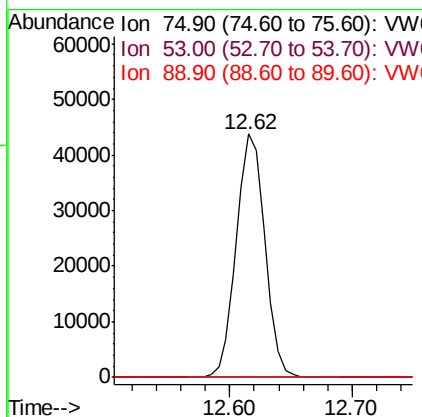
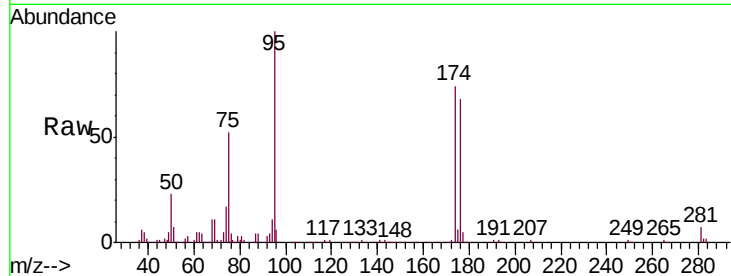




#81
trans-1,4-Dichloro-2-butene
Concen: 135.824 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012348.D
Acq: 30 Aug 2019 14:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 70789
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.369 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012348.D
Acq: 30 Aug 2019 14:25

Tgt Ion: 128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

