

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083119\
 Data File : VW012400.D
 Acq On : 31 Aug 2019 15:09
 Operator : SY/VA
 Sample : K4472-12
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 17:19:32 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

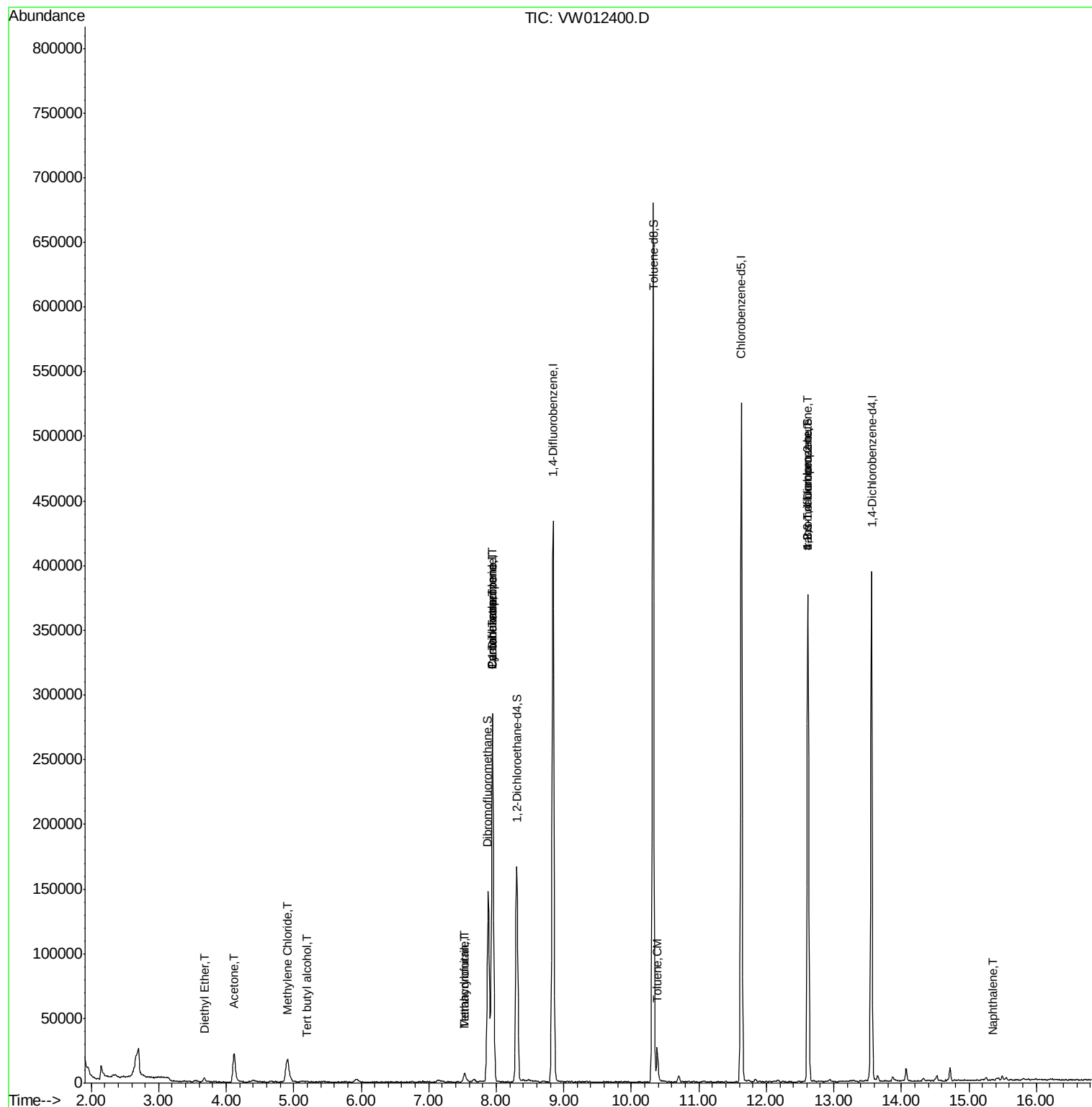
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	204404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97546	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	135910	55.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.86%	
35) Dibromofluoromethane	7.88	113	104894	52.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.56%	
50) Toluene-d8	10.32	98	417272	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.61	95	120369	41.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.94%	
Target Compounds				Qvalue		
8) Diethyl Ether	3.67	74	1448	1.273	ug/l	88
11) Tert butyl alcohol	5.20	59	494	3.378	ug/l #	71
16) Acetone	4.12	43	38860	62.564	ug/l	97
20) Methylene Chloride	4.92	84	13422	5.716	ug/l	97
29) Tetrahydrofuran	7.53	42	5533	10.926	ug/l	94
31) Cyclohexane	7.95	56	5342	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17363	4.998	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20950	6.968	ug/l #	16
41) Methacrylonitrile	7.53	41	3669	3.279	ug/l #	58
52) Toluene	10.38	92	10216	1.793	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	65490	68.935	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	65490	151.142	ug/l #	6
95) Naphthalene	15.36	128	241	4.381	ug/l #	69

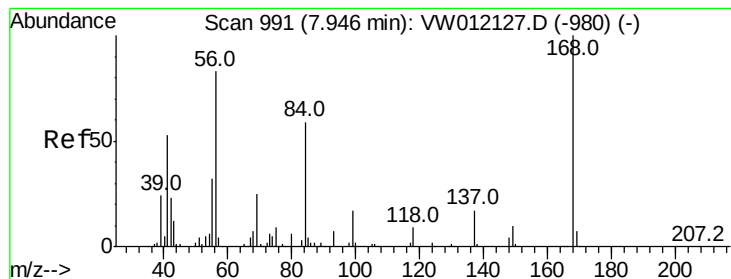
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083119\
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Quant Title : SW846 8260
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: VW012400.D

Acq: 31 Aug 2019 15:09

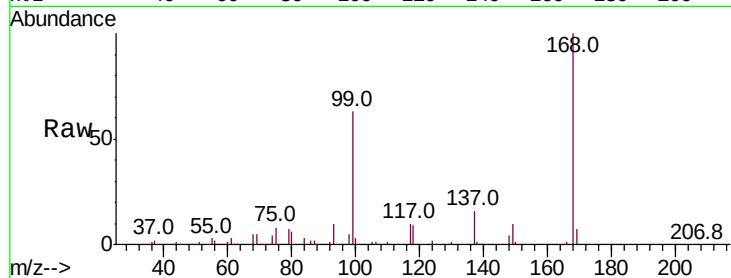
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 204404

Ion Ratio Lower Upper

168 100

99 62.6 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

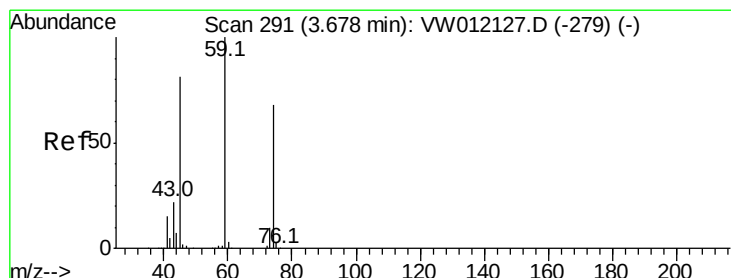
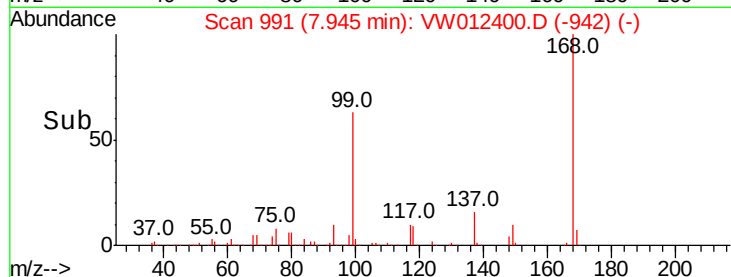
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.273 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012400.D

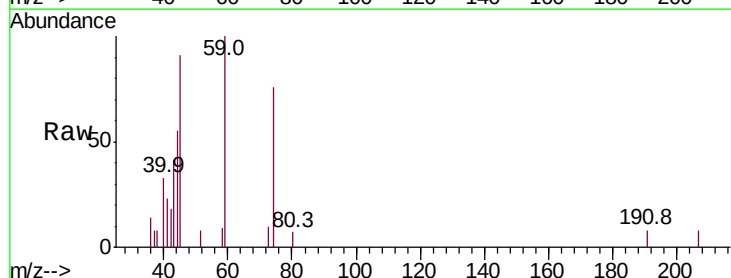
Acq: 31 Aug 2019 15:09

Tgt Ion: 74 Resp: 1448

Ion Ratio Lower Upper

74 100

45 131.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

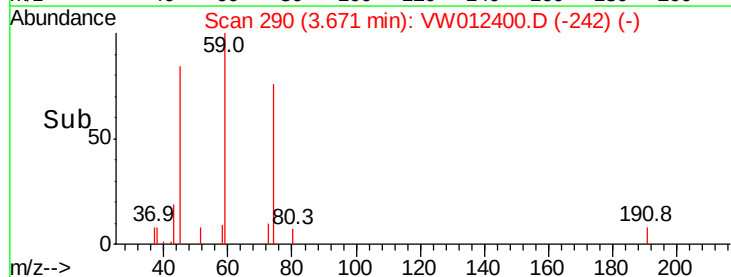
600

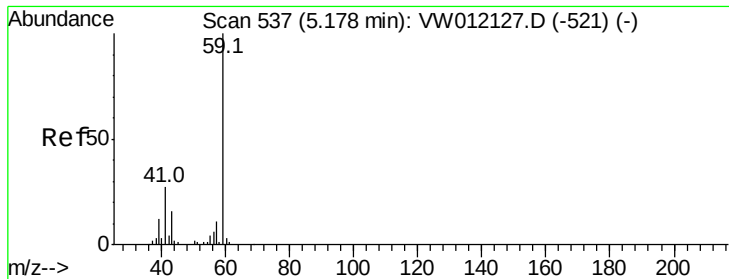
400

200

0

Time-->



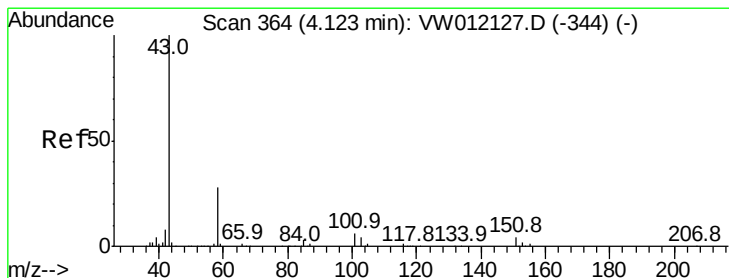
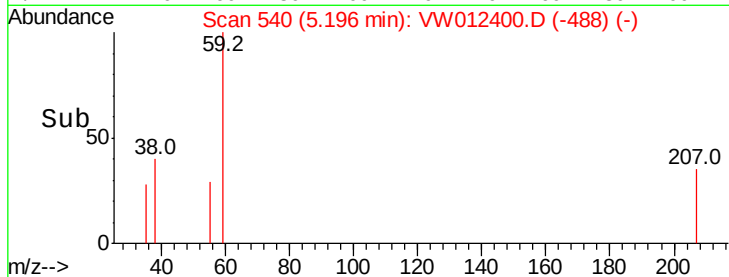
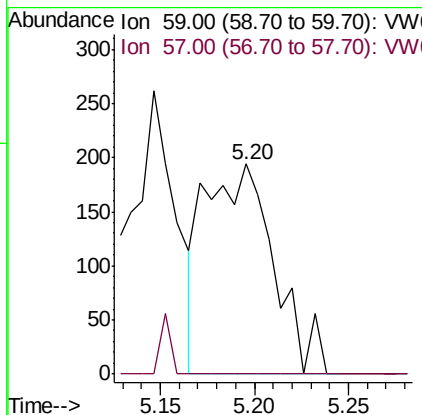
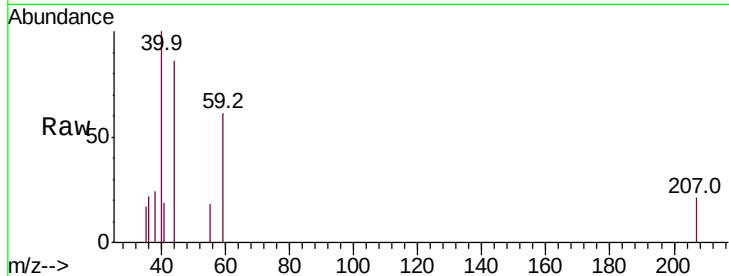


#11

Tert butyl alcohol
 Concen: 3.378 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

Instrument :
 MSVOA_W
 ClientSampled :

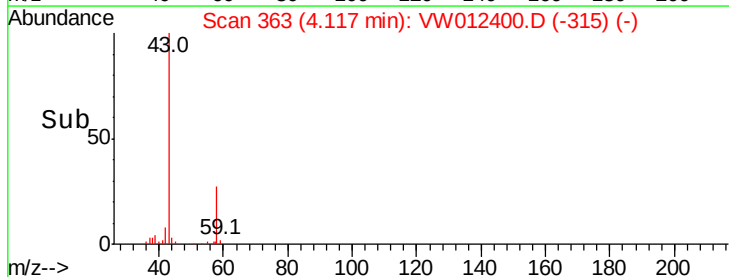
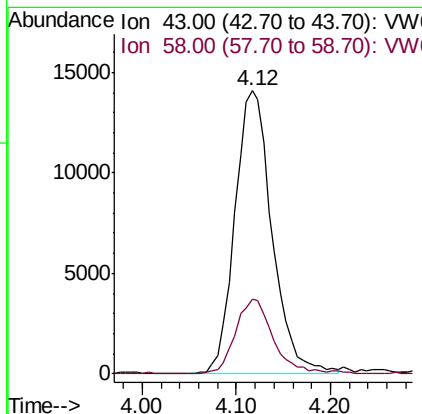
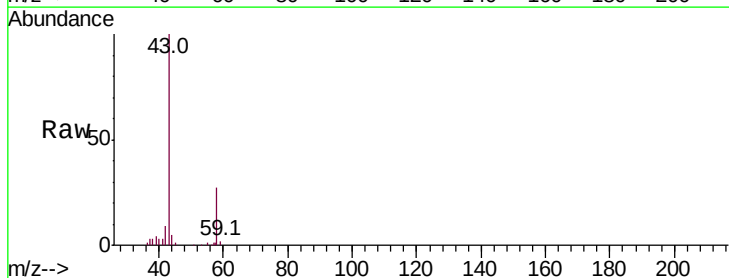
Tot Ion: 59 Resp: 494
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

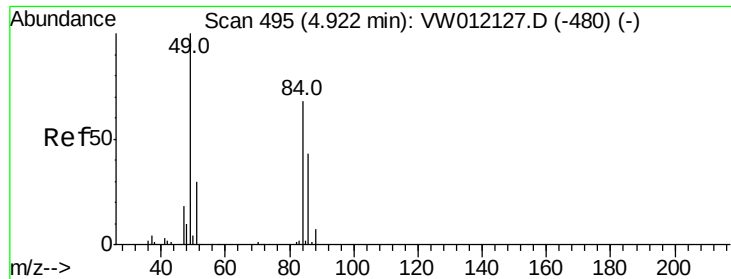


#16

Acetone
 Concen: 62.564 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

Tgt Ion: 43 Resp: 38860
 Ion Ratio Lower Upper
 43 100
 58 26.5 22.4 33.6

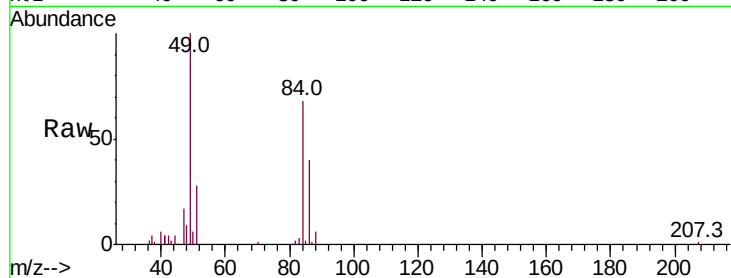




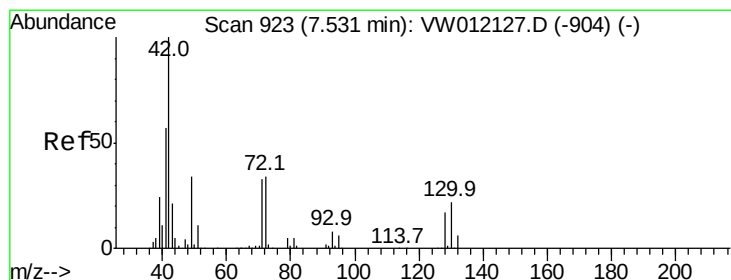
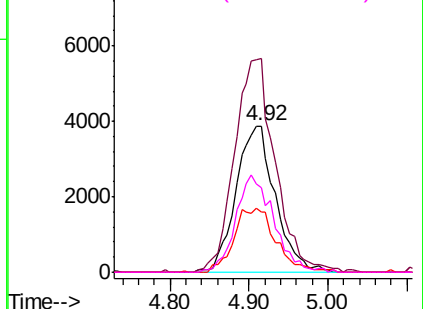
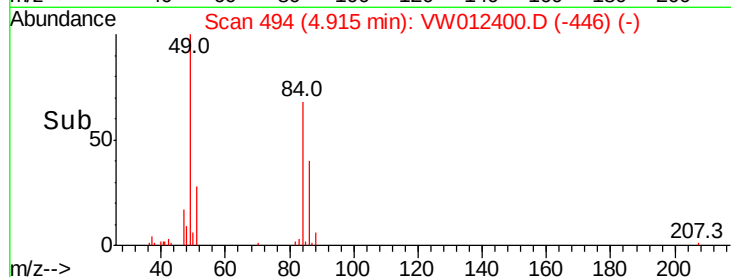
#20
Methylene Chloride
Concen: 5.716 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012400.D
Acq: 31 Aug 2019 15:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	13422
Ion	Ratio	Lower	Upper
84	100		
49	146.2	117.8	176.8
51	41.3	35.6	53.4
86	58.0	51.2	76.8

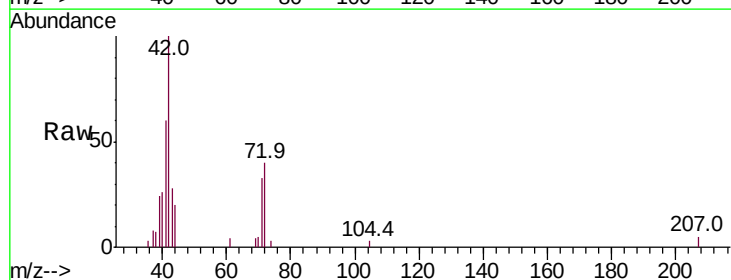


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

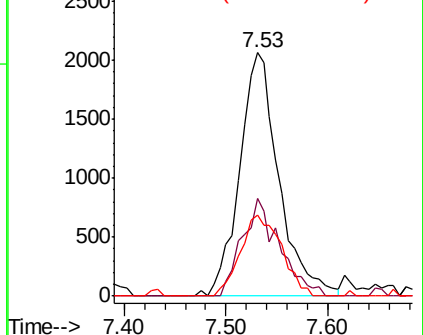
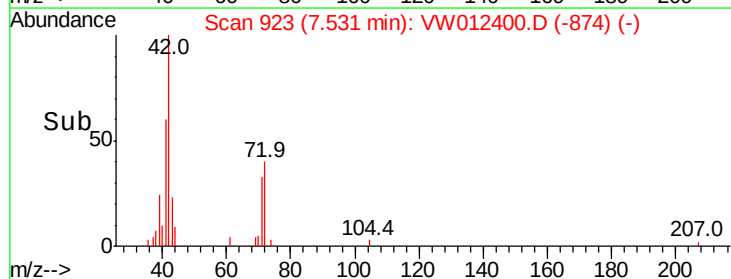


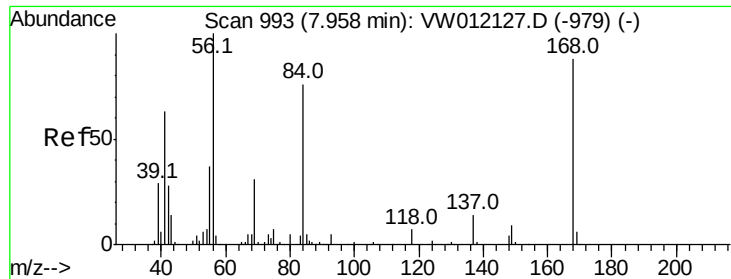
#29
Tetrahydrofuran
Concen: 10.926 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012400.D
Acq: 31 Aug 2019 15:09

Tgt Ion:	42	Resp:	5533
Ion	Ratio	Lower	Upper
42	100		
72	38.0	27.3	40.9
71	34.6	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

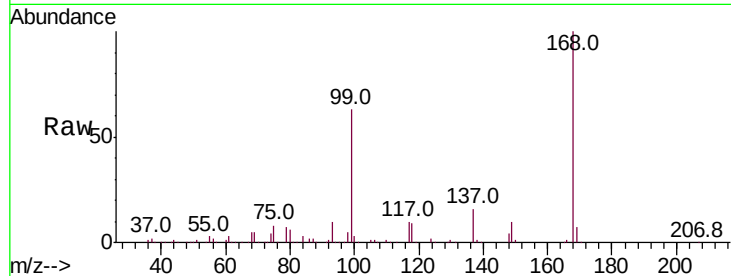




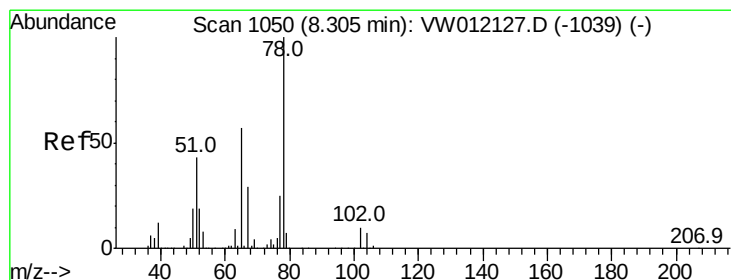
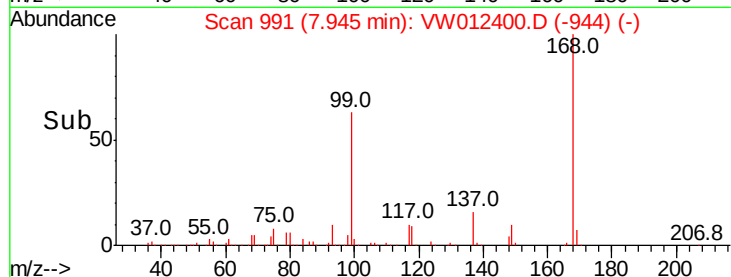
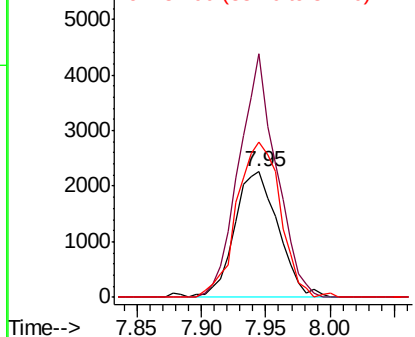
#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012400.D
Acq: 31 Aug 2019 15:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5342
Ion Ratio Lower Upper
56 100
69 194.0 24.9 37.3#
84 123.9 60.6 90.8#

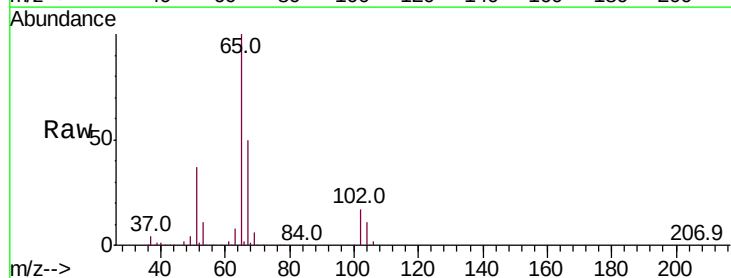


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

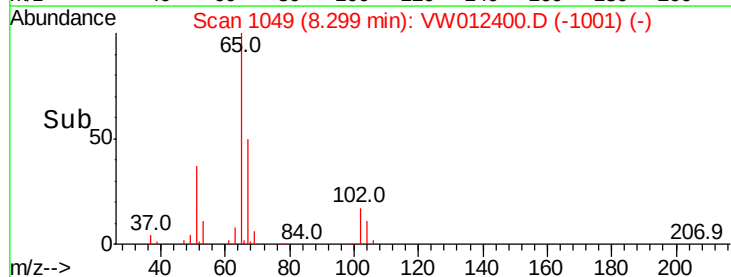
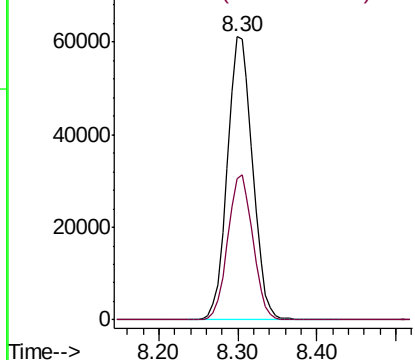


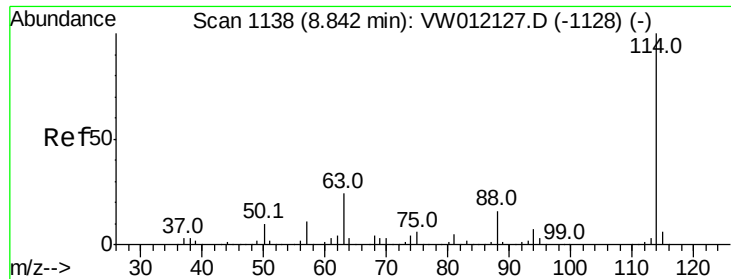
#33
1,2-Dichloroethane-d4
Concen: 55.933 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012400.D
Acq: 31 Aug 2019 15:09

Tgt Ion: 65 Resp: 135910
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6



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

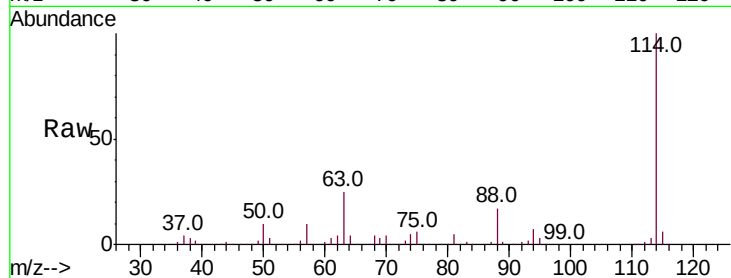




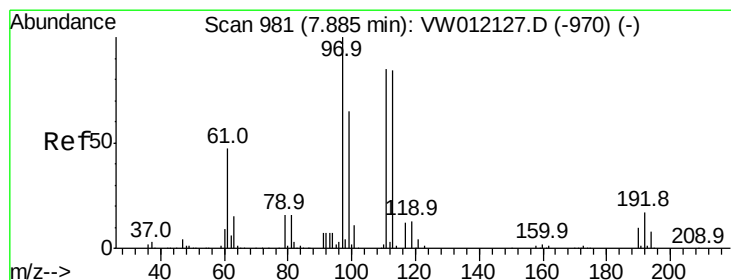
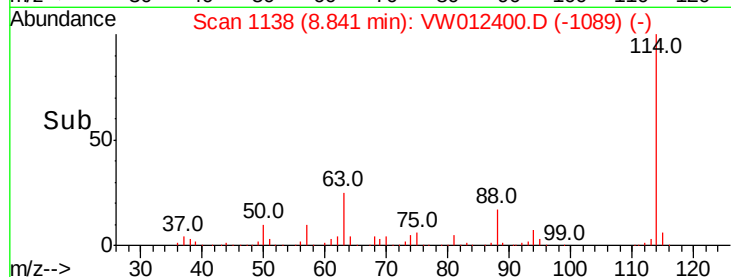
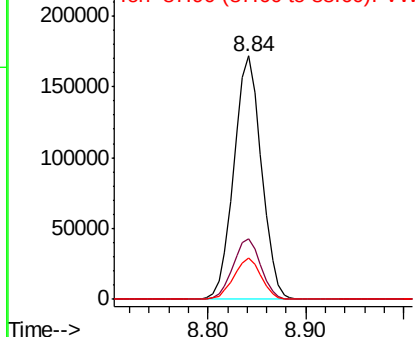
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	48.6
88	16.8	0.0	32.2

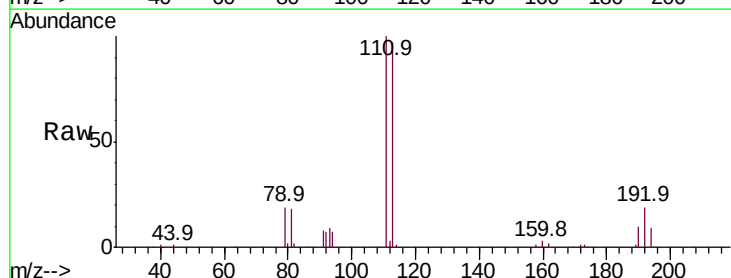


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

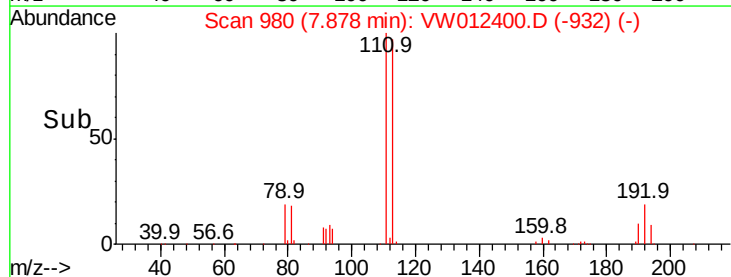
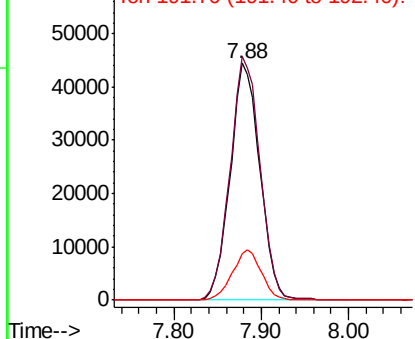


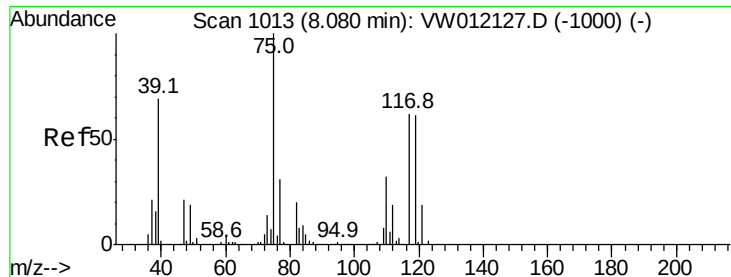
#35
 Dibromofluoromethane
 Concen: 52.277 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.6	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: 4.998 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

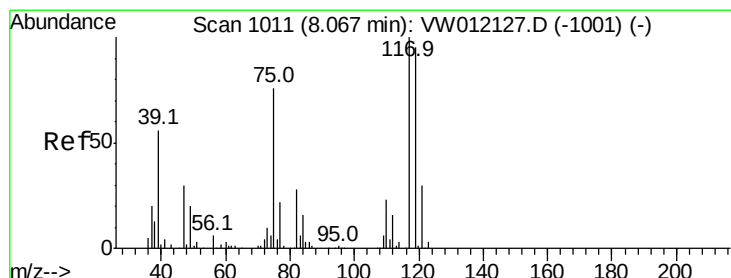
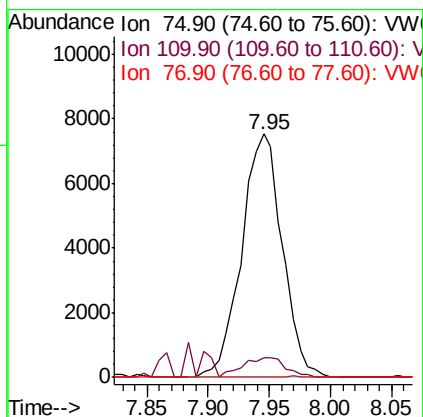
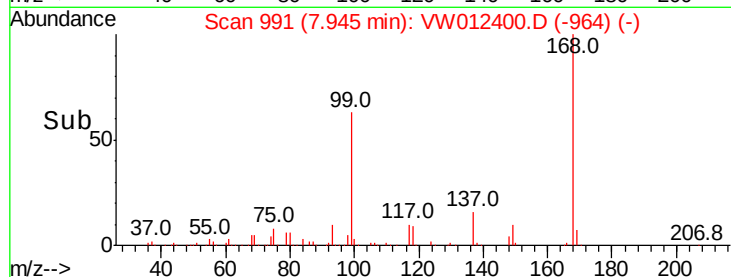
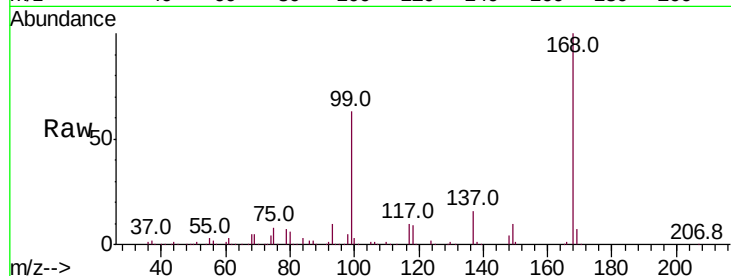
Tot Ion: 75 Resp: 17363

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.968 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

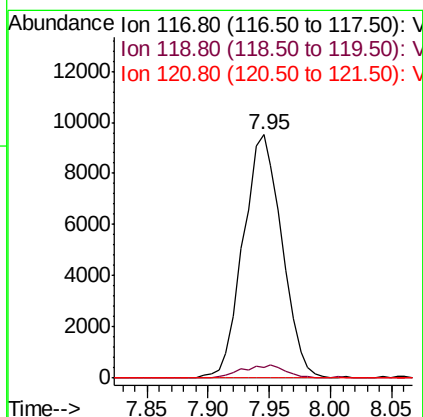
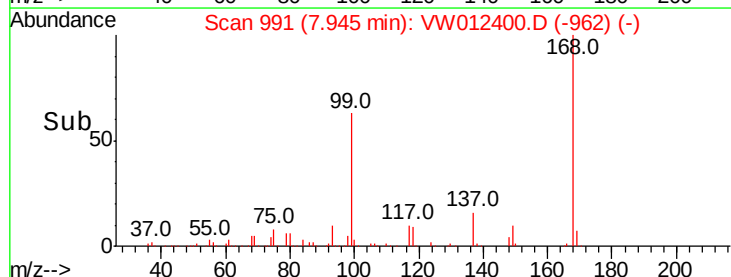
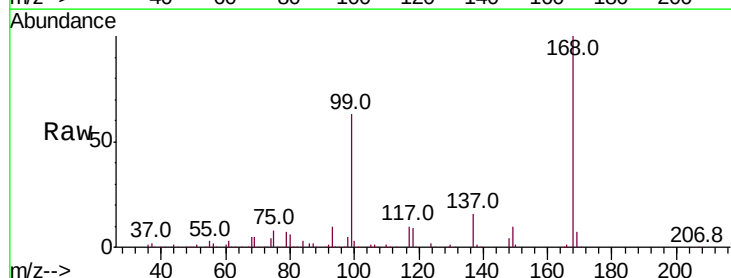
Tgt Ion: 117 Resp: 20950

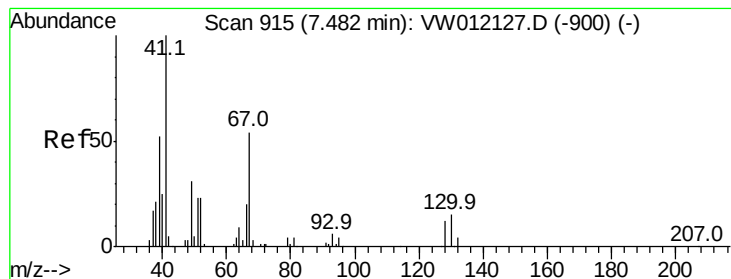
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 3.279 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 3669

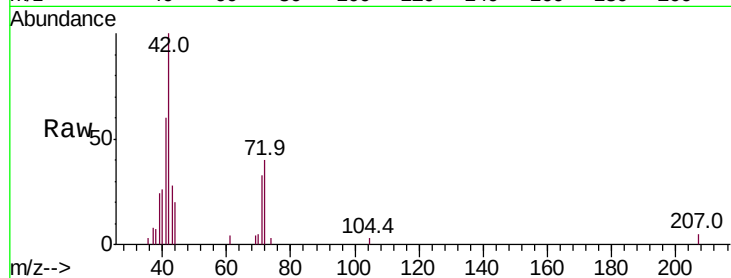
Ion Ratio Lower Upper

41 100

39 56.7 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

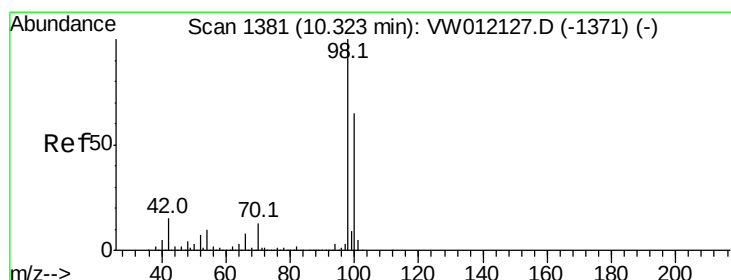
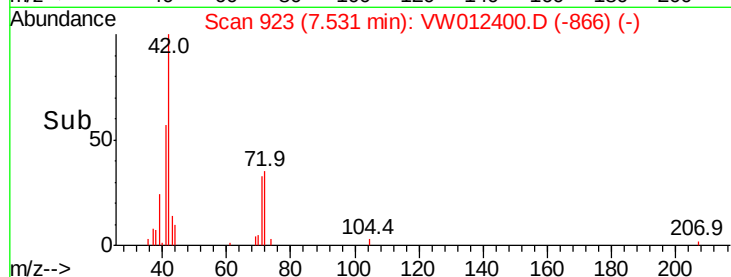
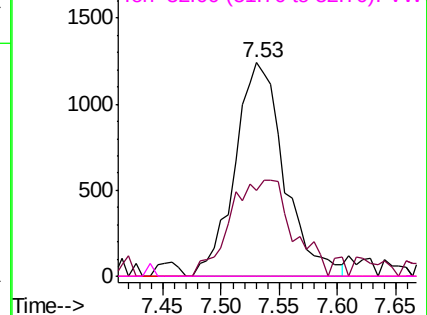


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.289 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012400.D

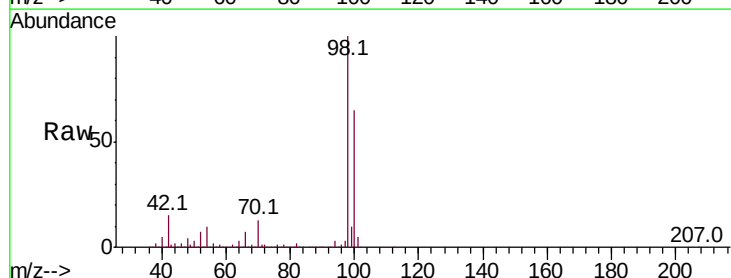
Acq: 31 Aug 2019 15:09

Tgt Ion: 98 Resp: 417272

Ion Ratio Lower Upper

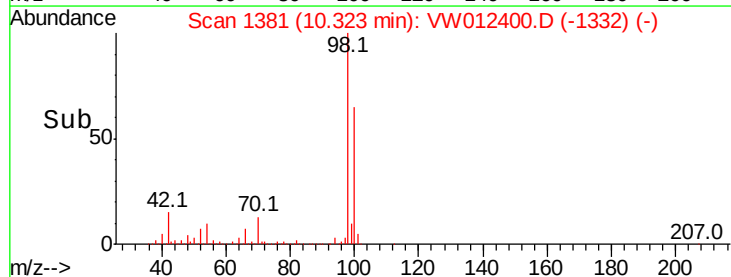
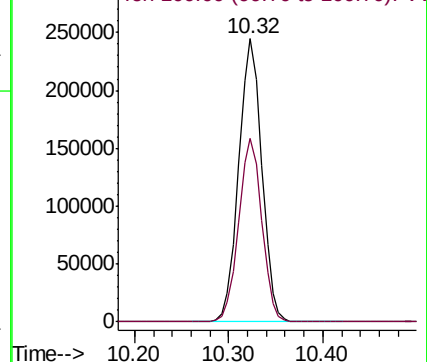
98 100

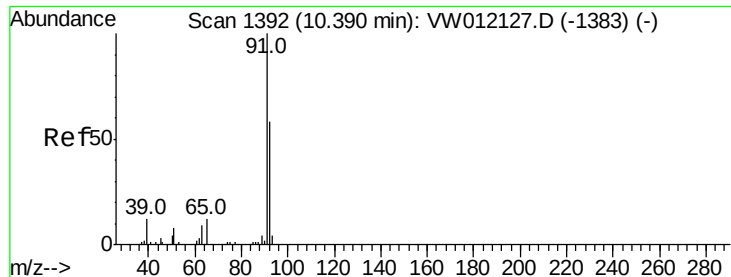
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.793 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

Instrument :

MSVOA_W

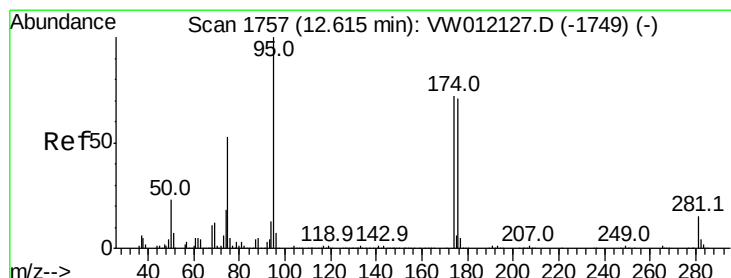
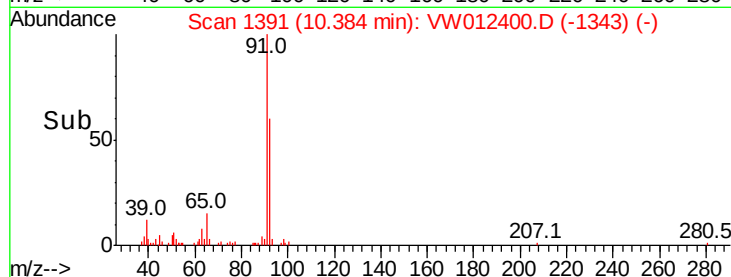
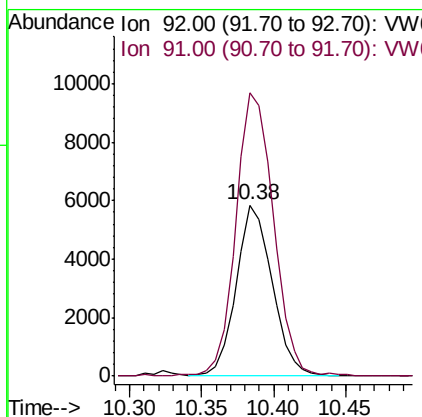
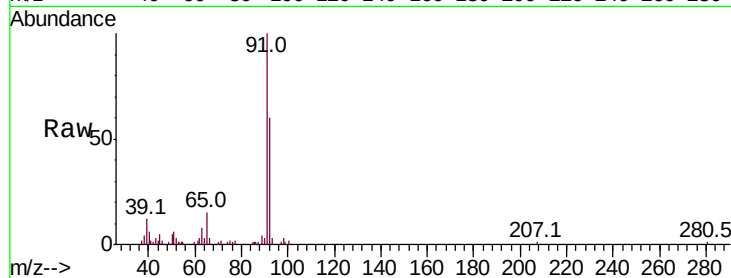
ClientSampled :

Tot Ion: 92 Resp: 10216

Ion Ratio Lower Upper

92 100

91 172.8 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 41.972 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

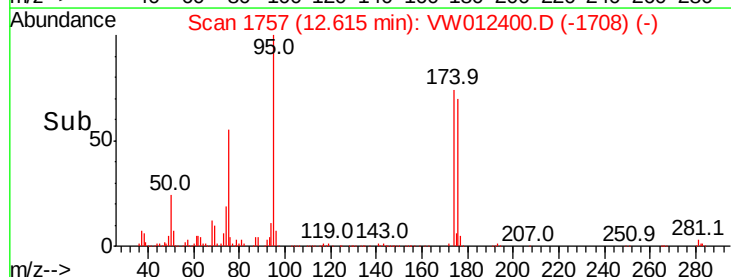
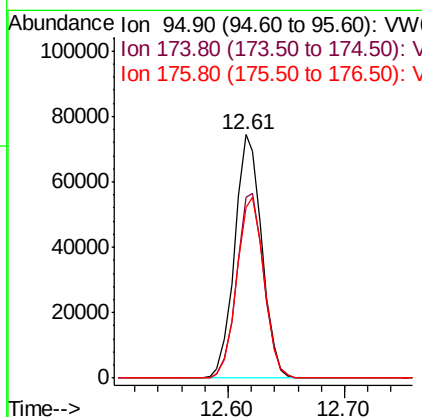
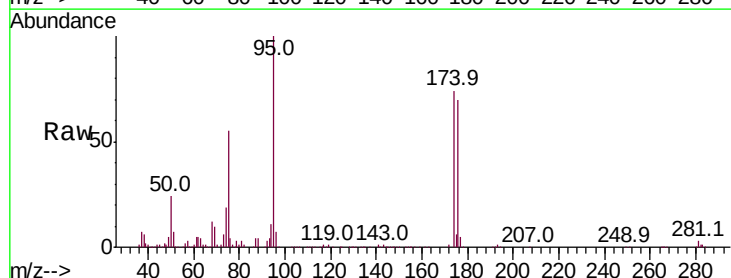
Tgt Ion: 95 Resp: 120369

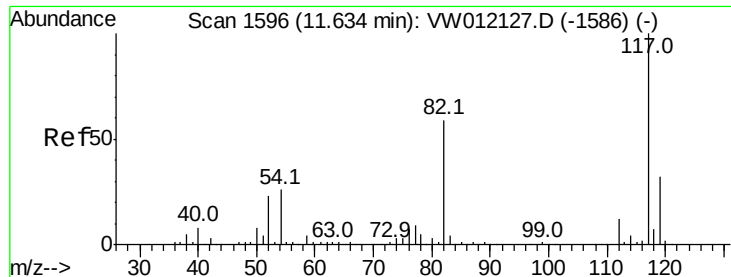
Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.8

176 74.9 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

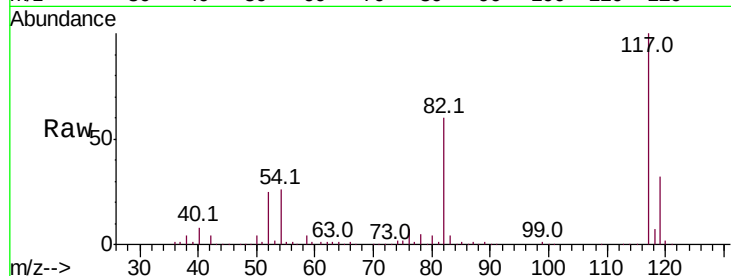
Tot Ion:117 Resp: 273308

Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.2

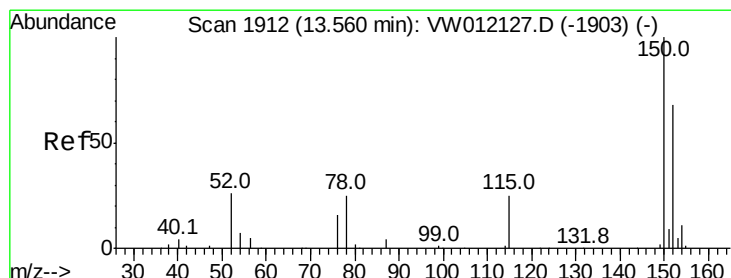
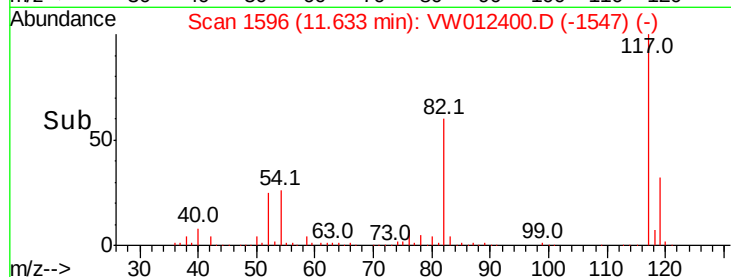
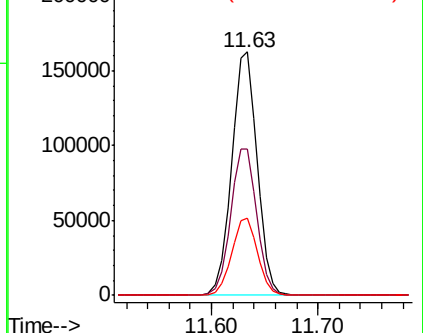
119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

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: VW012400.D

Acq: 31 Aug 2019 15:09

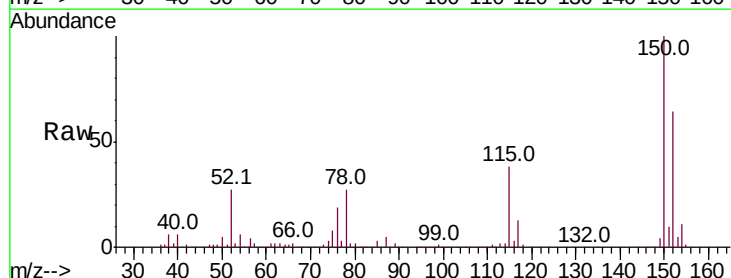
Tgt Ion:152 Resp: 97546

Ion Ratio Lower Upper

152 100

115 60.7 30.1 90.3

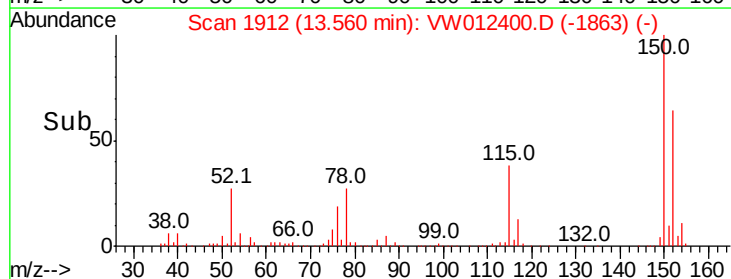
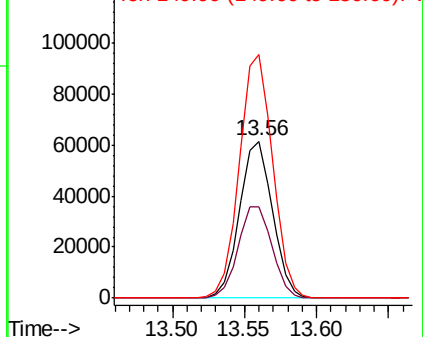
150 156.7 0.0 345.8

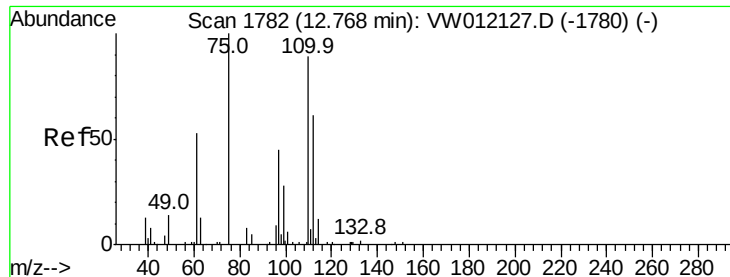


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

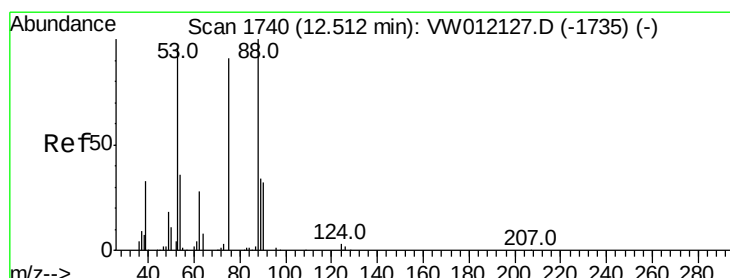
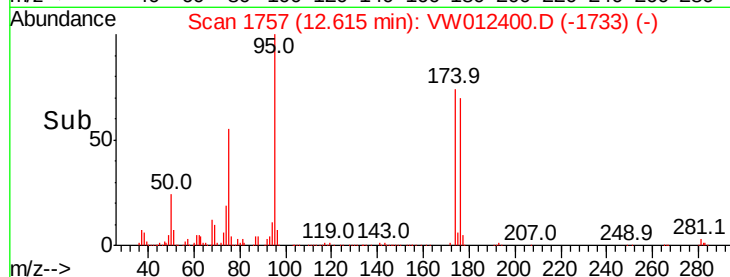
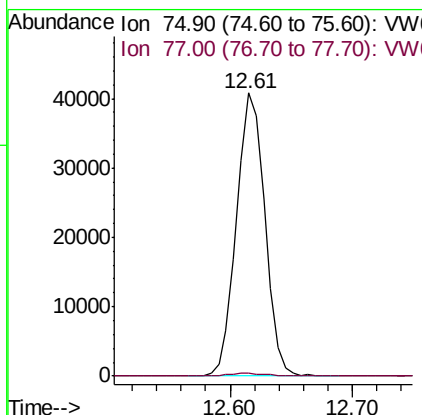
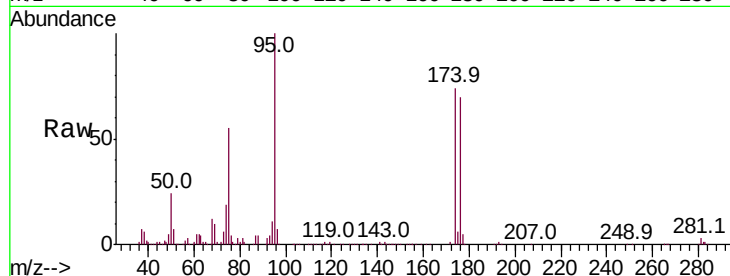




#76
 1,2,3-Trichloropropane
 Concen: 68.935 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

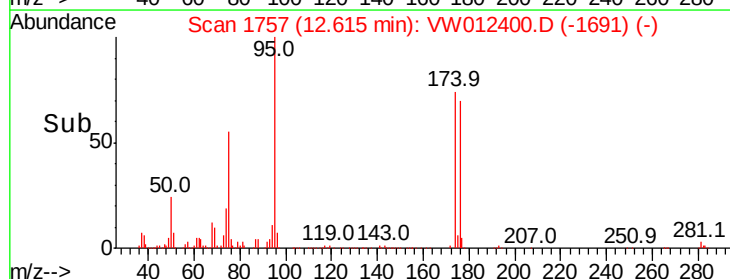
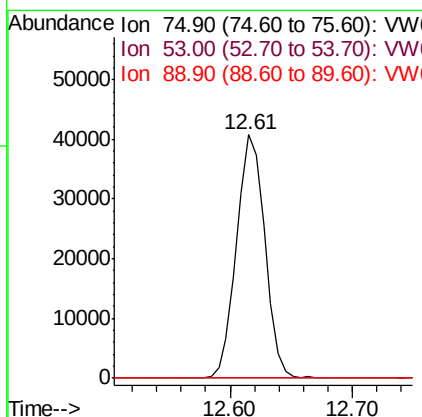
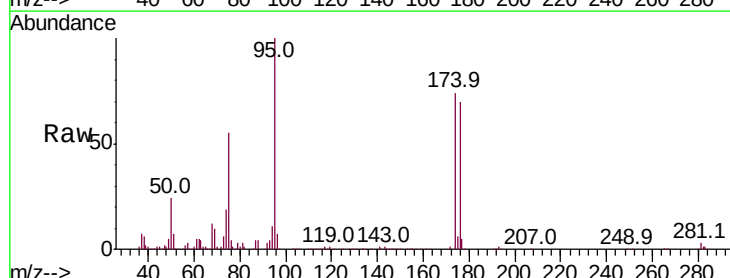
Instrument :
 MSVOA_W
 ClientSampleId :

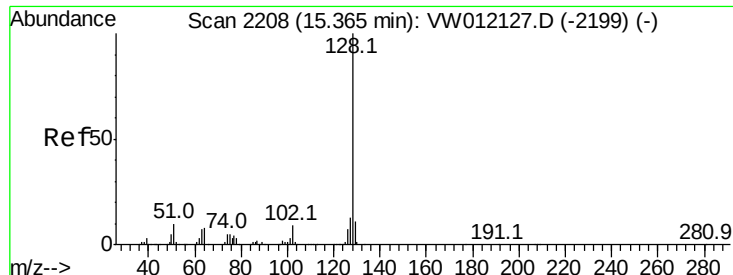
Tot Ion: 75 Resp: 65490
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.142 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012400.D
 Acq: 31 Aug 2019 15:09

Tgt Ion: 75 Resp: 65490
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.381 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012400.D

Acq: 31 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampleId :

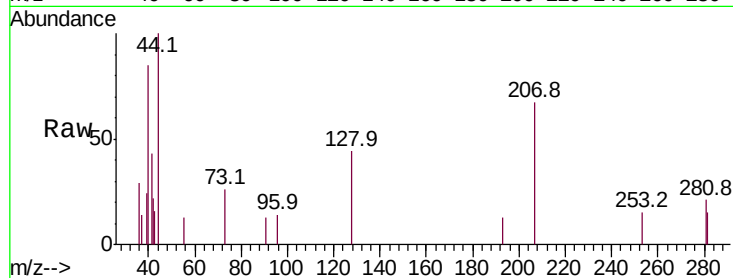
Tot Ion:128 Resp: 241

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

