

Data File : VW012800.D
Acq On : 09 Sep 2019 05:07
Operator : SY/VA
Sample : K4623-12
Misc : 3.48G/5ML/MSVOA_W/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(0)

Quant Time: Sep 09 06:08:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143889	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	112755	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.32	98	449228	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.61	95	123624	38.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.96%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.68	74	1171	1.004	ug/l	79
20) Methylene Chloride	4.90	84	15477	6.521	ug/l	88
25) 2-Butanone	7.17	43	31	19.706	ug/l #	53
29) Tetrahydrofuran	7.54	42	3037	4.958	ug/l	93
31) Cyclohexane	7.94	56	5882	1.438	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	19891	5.892	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24547	7.376	ug/l #	16
41) Methacrylonitrile	7.54	41	1839	4.999	ug/l #	58
51) 4-Methyl-2-Pentanone	10.32	43	2475	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	12.61	75	66495	69.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	66495	146.984	ug/l #	6
95) Naphthalene	15.36	128	100	4.462	ug/l #	79

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

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PAR-11-D4-(0)

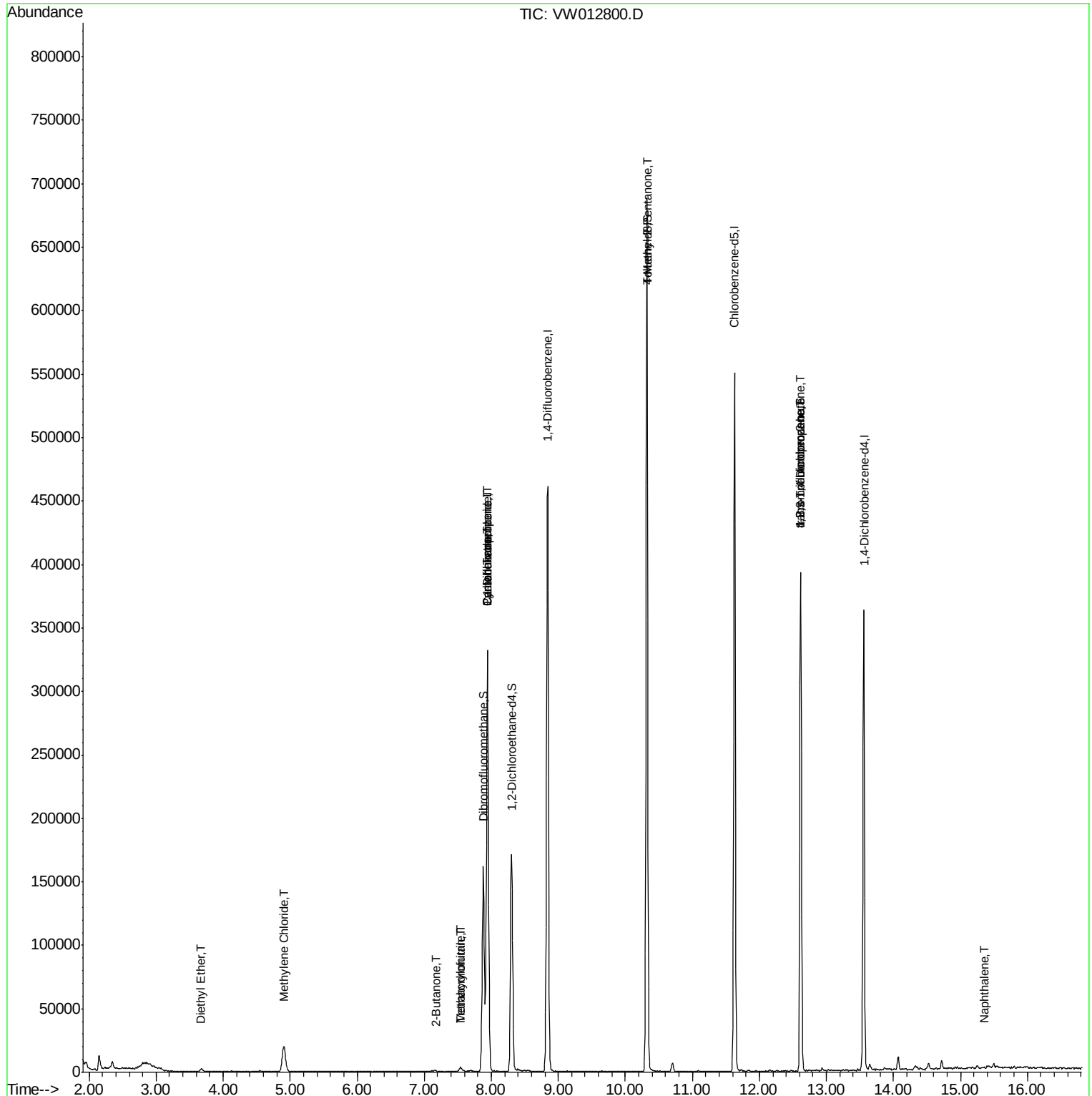
Quant Time: Sep 09 06:08:54 2019

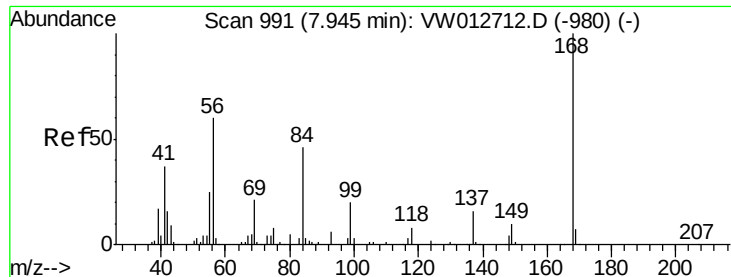
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M

Quant Title : SW846 8260

QLast Update : Sun Sep 08 05:04:40 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: VW012800.D

Acq: 09 Sep 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

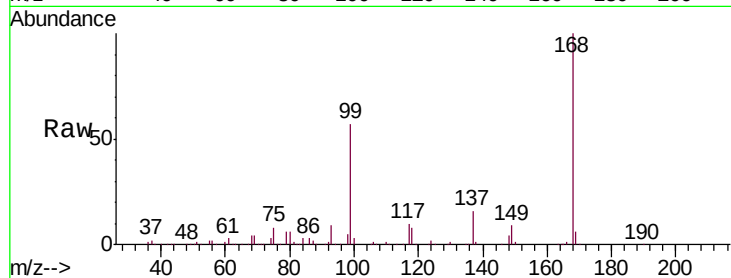
PAR-11-D4-(0)

Tgt Ion:168 Resp: 249043

Ion Ratio Lower Upper

168 100

99 56.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

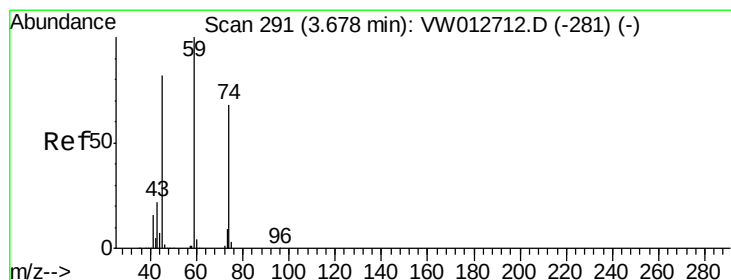
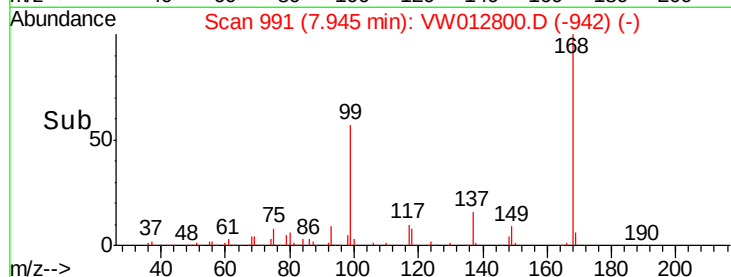
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.004 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012800.D

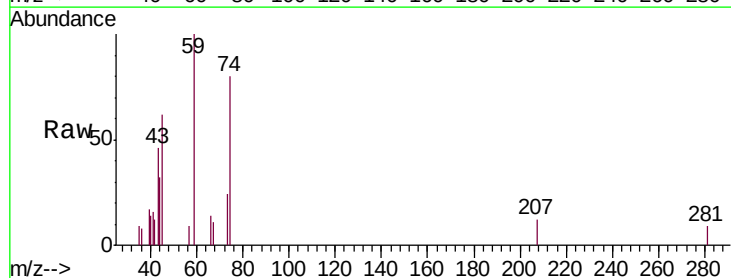
Acq: 09 Sep 2019 05:07

Tgt Ion: 74 Resp: 1171

Ion Ratio Lower Upper

74 100

45 141.1 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

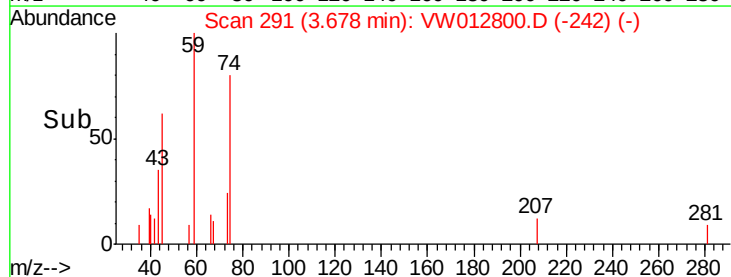
600

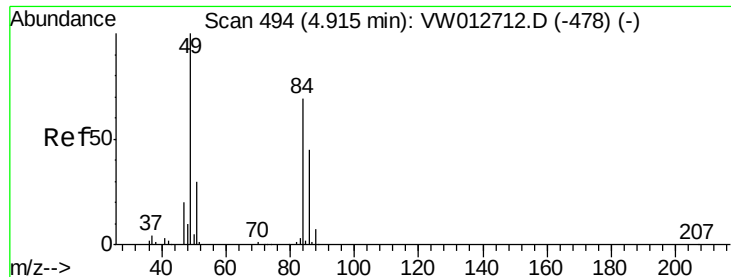
400

200

0

Time-->

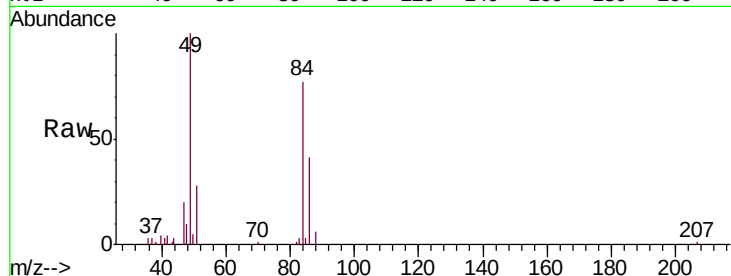




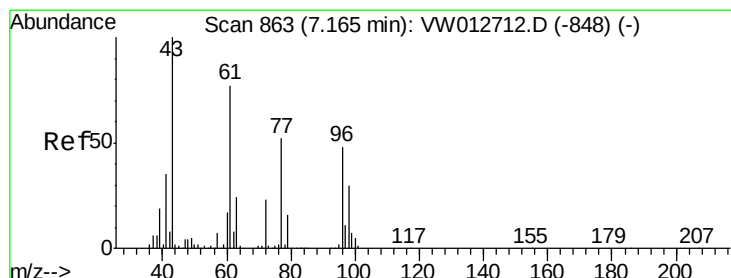
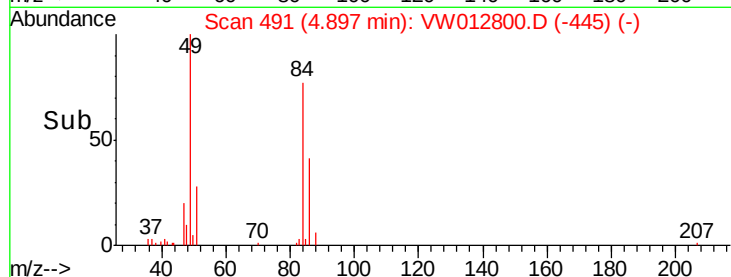
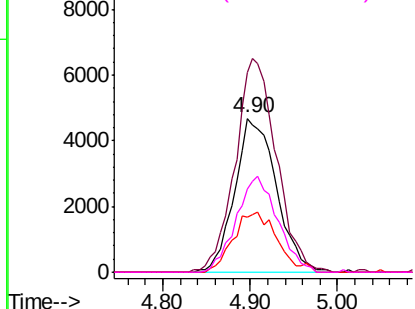
#20
Methylene Chloride
Concen: 6.521 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(0)

Tgt Ion:	84	Resp:	15477
Ion	Ratio	Lower	Upper
84	100		
49	130.2	115.4	173.0
51	36.0	34.9	52.3
86	53.8	52.2	78.4

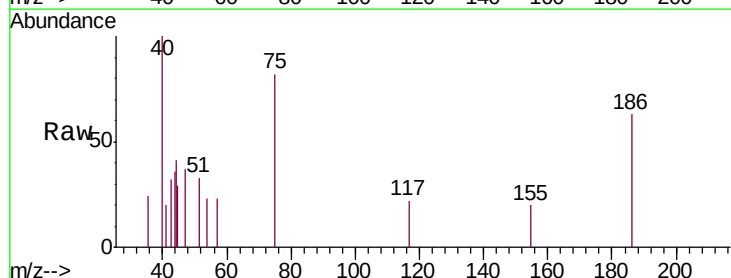


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

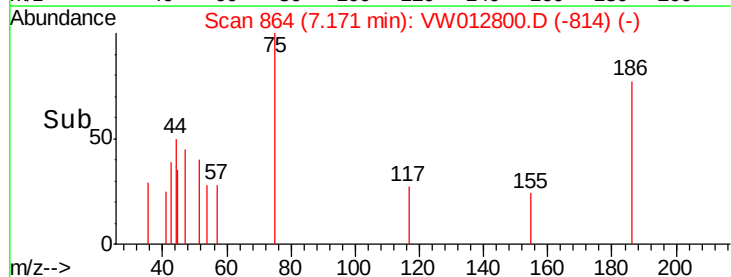
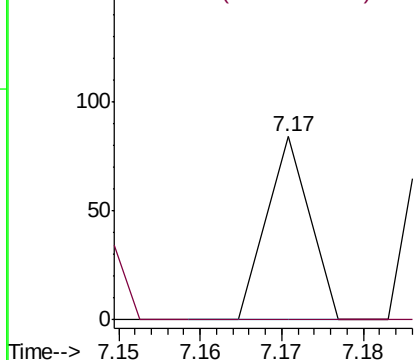


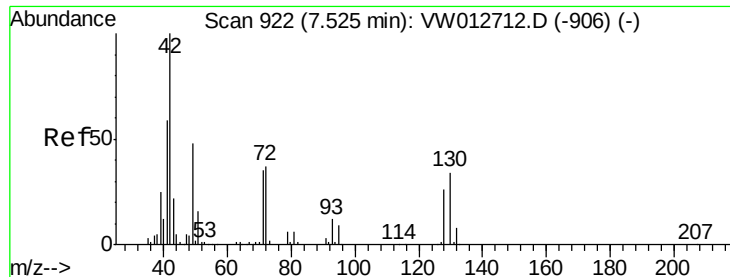
#25
2-Butanone
Concen: 19.706 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Tgt Ion:	43	Resp:	31
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

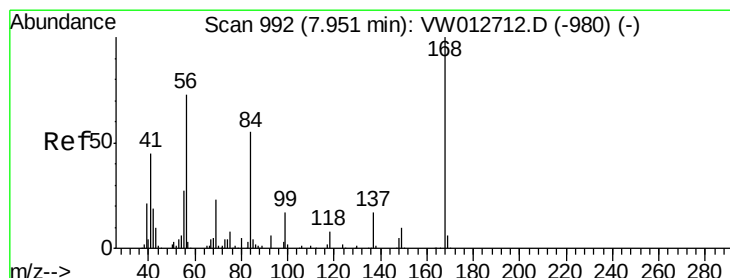
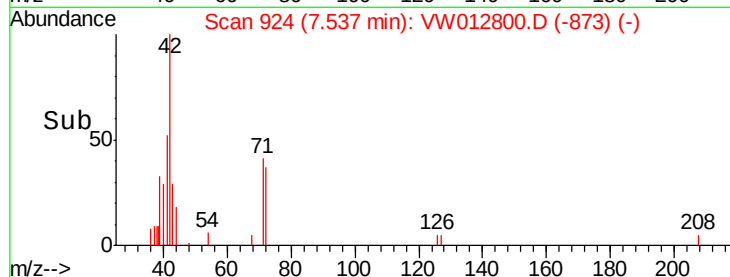
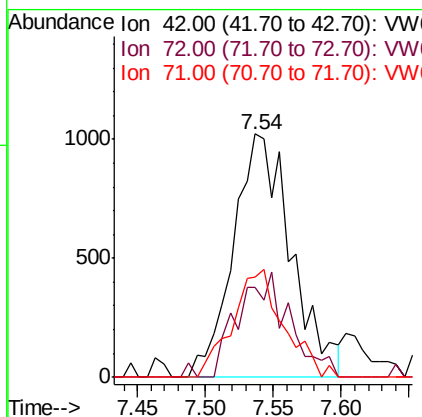
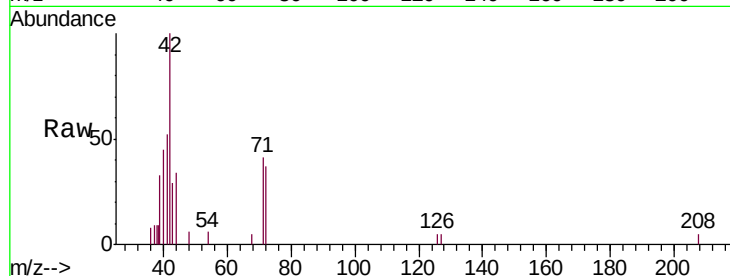




#29
Tetrahydrofuran
Concen: 4.958 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

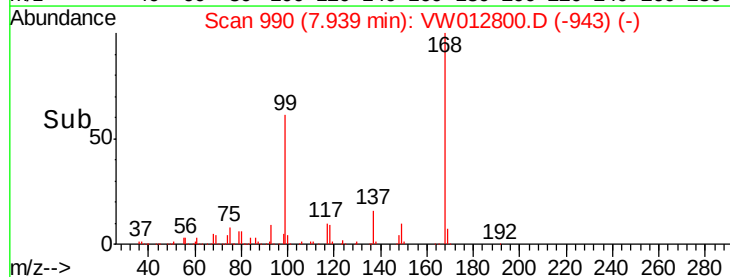
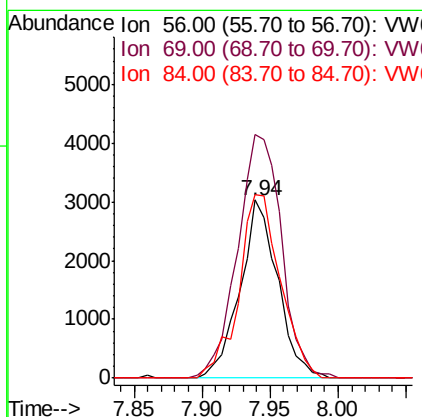
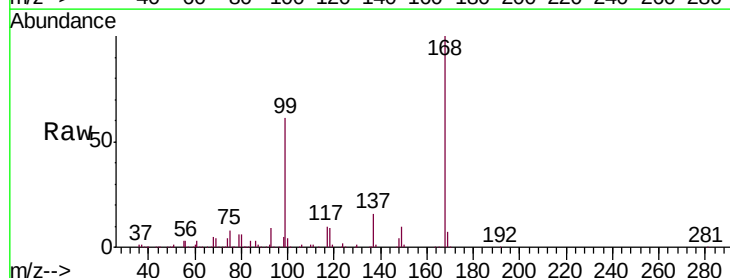
Instrument :
MSVOA_W
ClientSampled :
PAR-11-D4-(0)

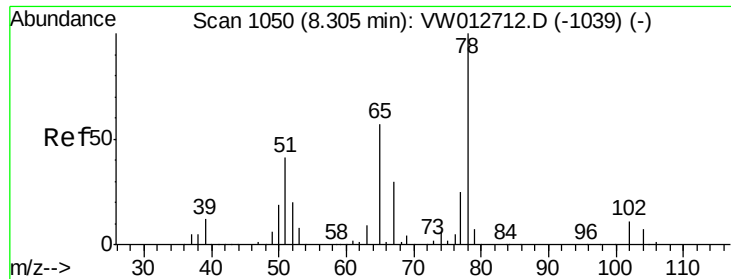
Tgt Ion: 42 Resp: 3037
Ion Ratio Lower Upper
42 100
72 38.6 28.4 42.6
71 38.9 27.1 40.7



#31
Cyclohexane
Concen: 1.438 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Tgt Ion: 56 Resp: 5882
Ion Ratio Lower Upper
56 100
69 137.0 25.7 38.5#
84 103.5 60.4 90.6#

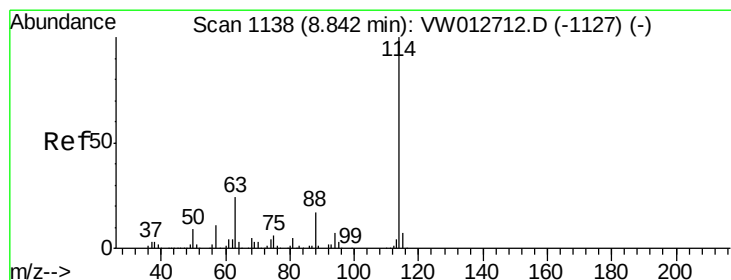
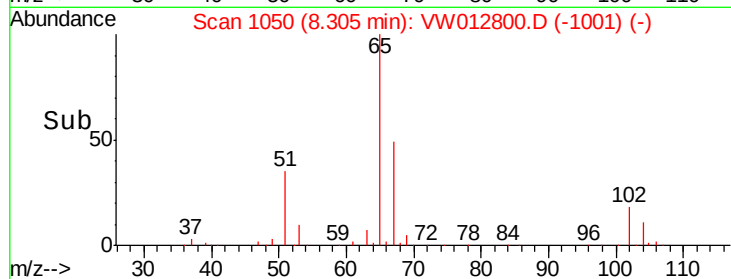
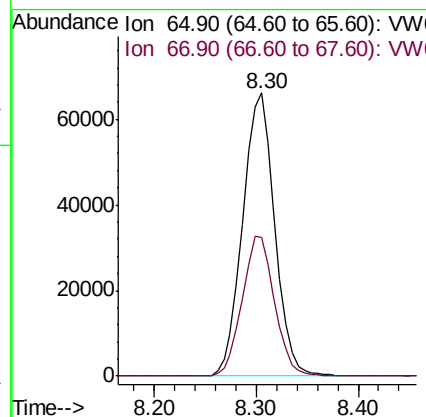
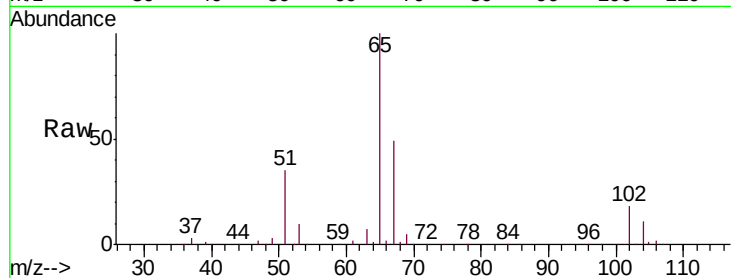




#33
 1,2-Dichloroethane-d4
 Concen: 51.710 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012800.D
 Acq: 09 Sep 2019 05:07

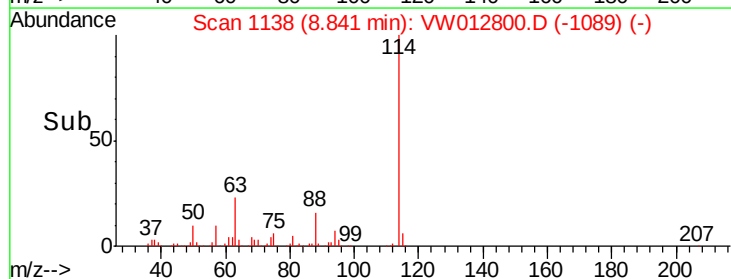
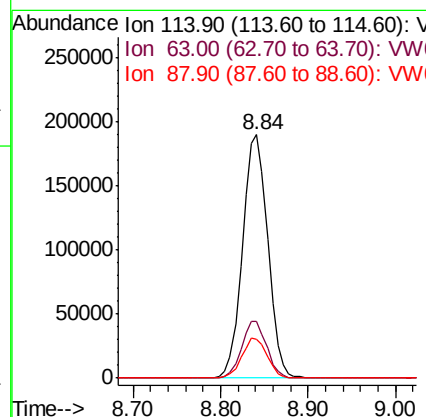
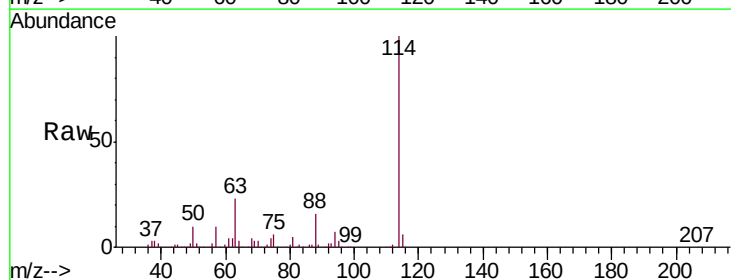
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D4-(0)

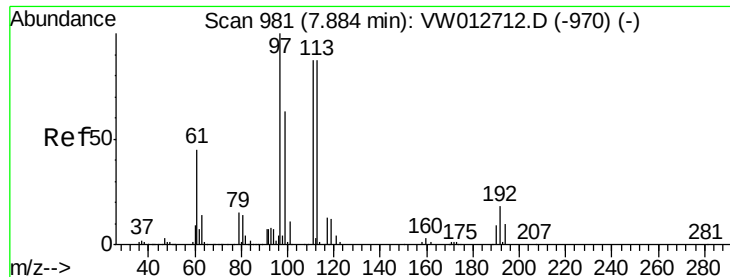
Tgt Ion: 65 Resp: 143889
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012800.D
 Acq: 09 Sep 2019 05:07

Tgt Ion: 114 Resp: 379971
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.2
 88 16.2 0.0 34.0

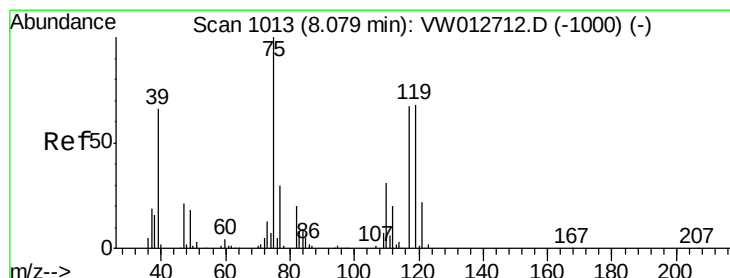
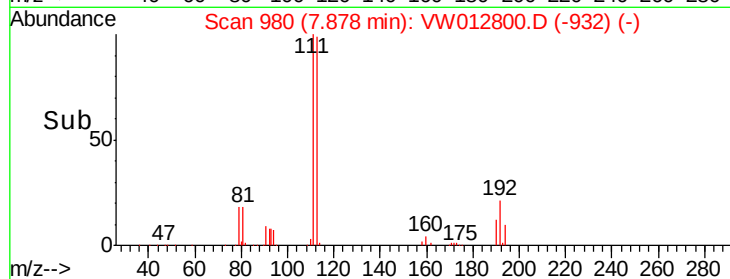
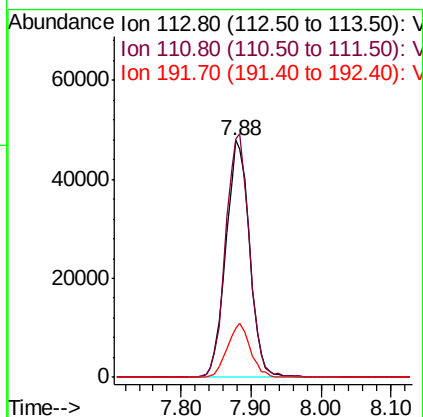
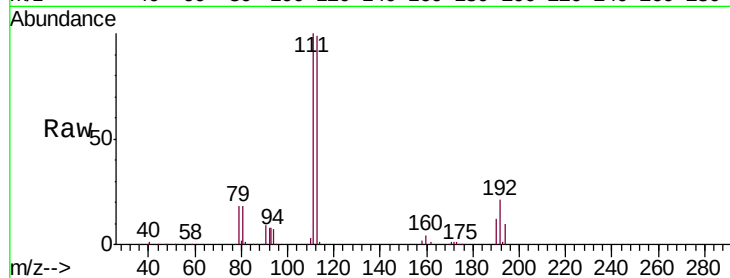




#35
 Dibromofluoromethane
 Concen: 49.913 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012800.D
 Acq: 09 Sep 2019 05:07

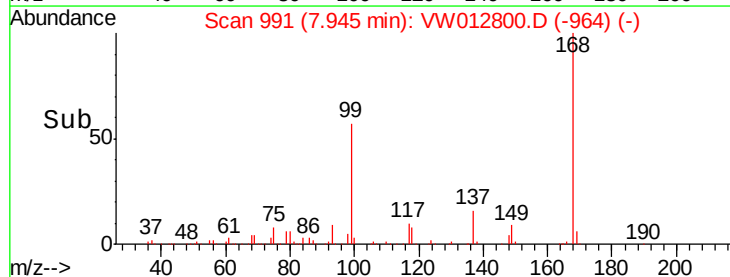
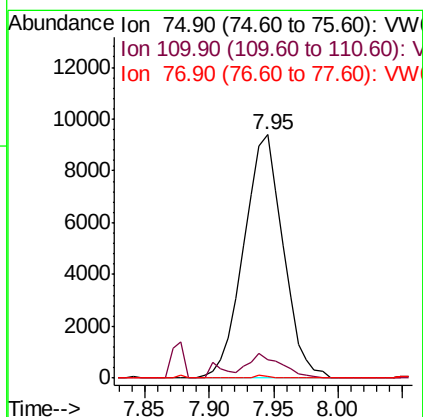
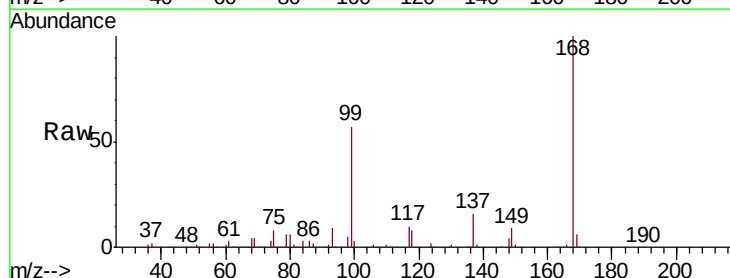
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D4-(0)

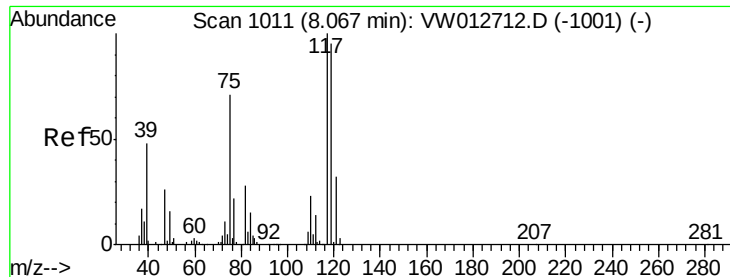
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.2	120.4
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.892 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012800.D
 Acq: 09 Sep 2019 05:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.7#
77	0.4	25.0	37.4#

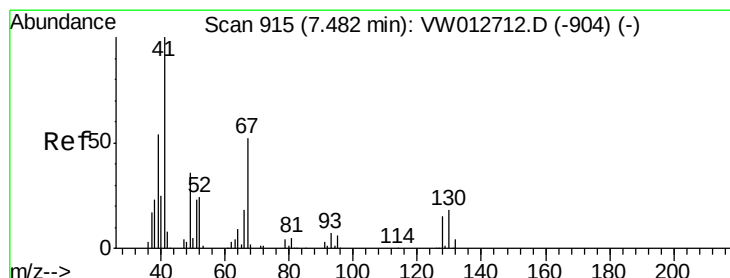
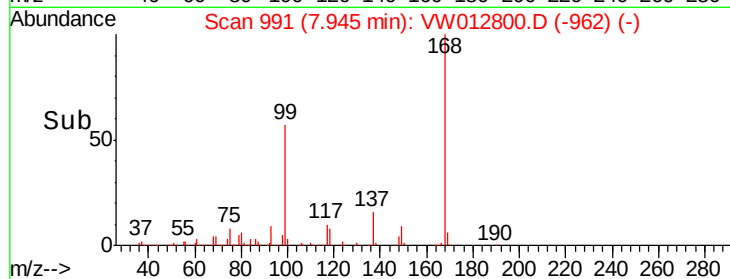
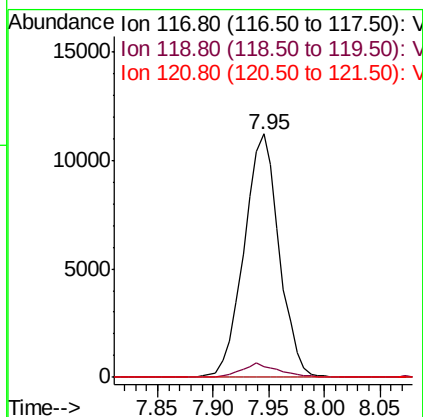
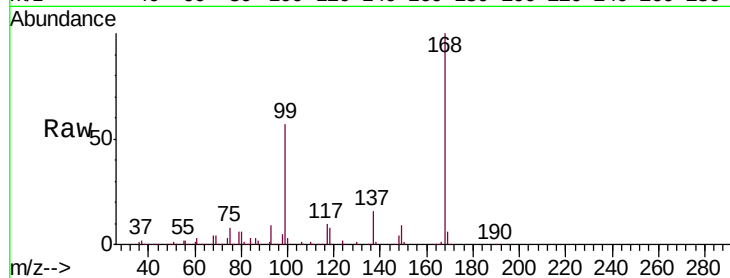




#38
Carbon Tetrachloride
Concen: 7.376 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

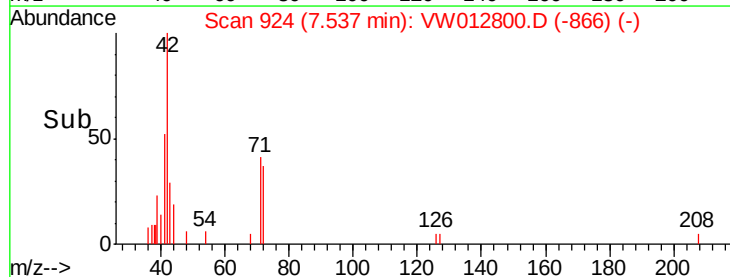
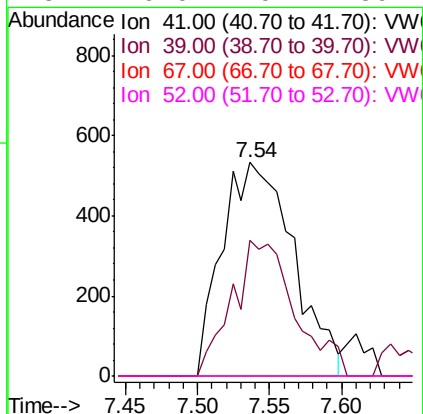
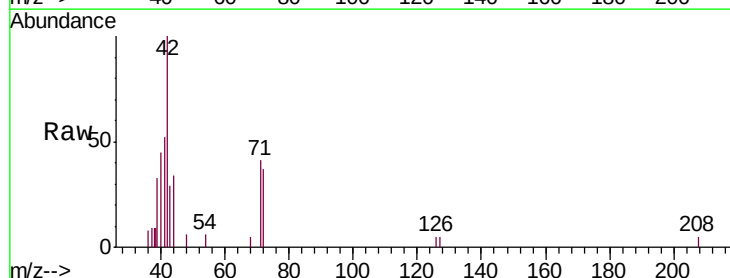
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(0)

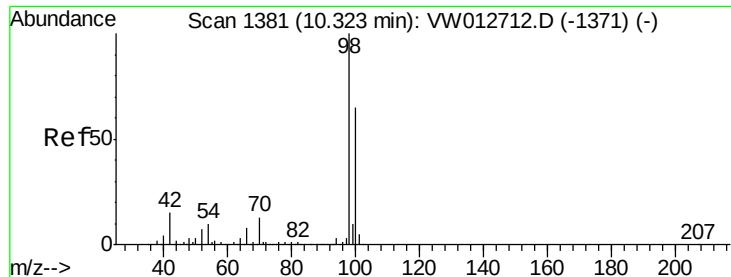
Tgt Ion:117 Resp: 24547
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 4.999 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Tgt Ion: 41 Resp: 1839
Ion Ratio Lower Upper
41 100
39 55.4 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#

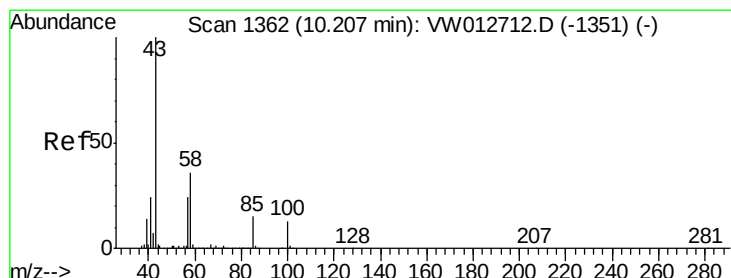
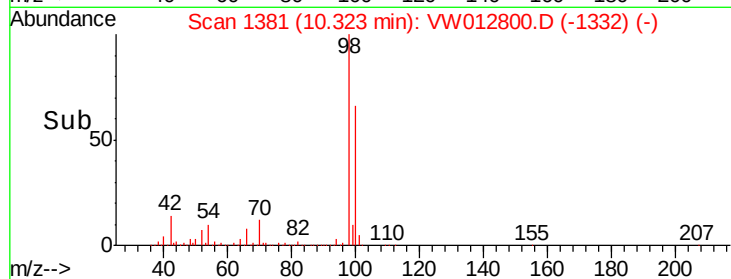
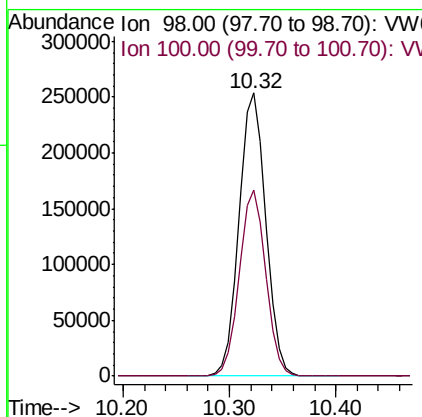
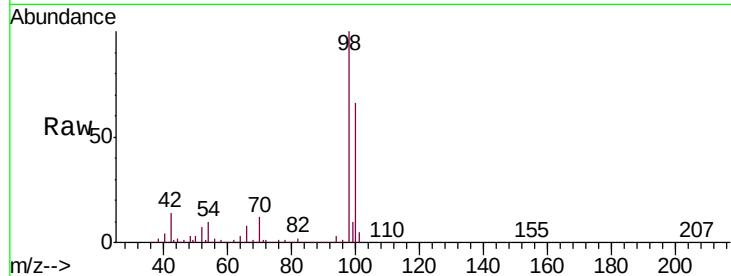




#50
Toluene-d8
Concen: 50.758 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

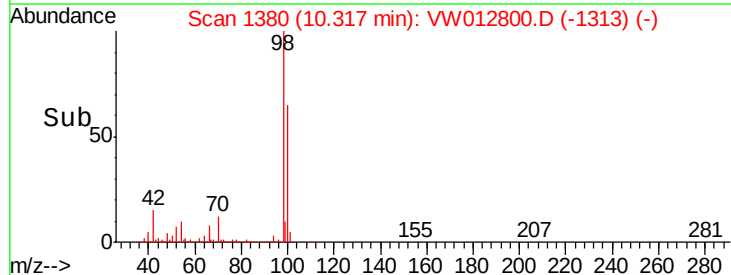
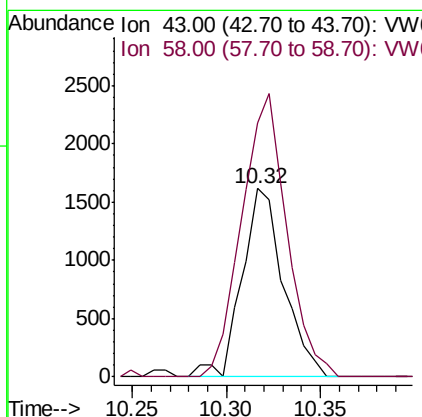
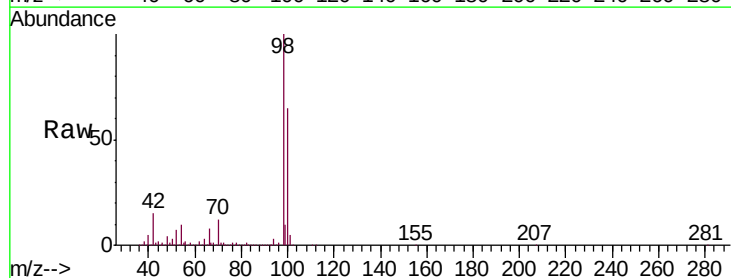
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(0)

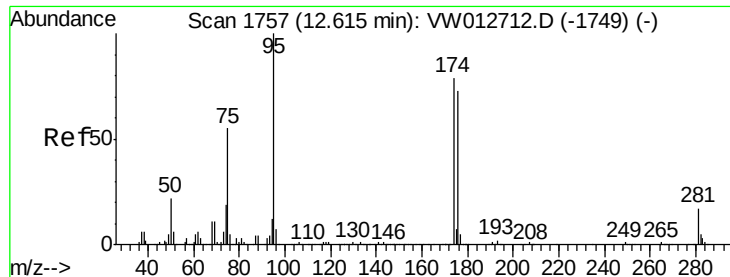
Tgt Ion: 98 Resp: 449228
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.157 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Tgt Ion: 43 Resp: 2475
Ion Ratio Lower Upper
43 100
58 162.7 28.4 42.6#





#62

4-Bromofluorobenzene

Concen: 38.477 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012800.D

Acq: 09 Sep 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D4-(0)

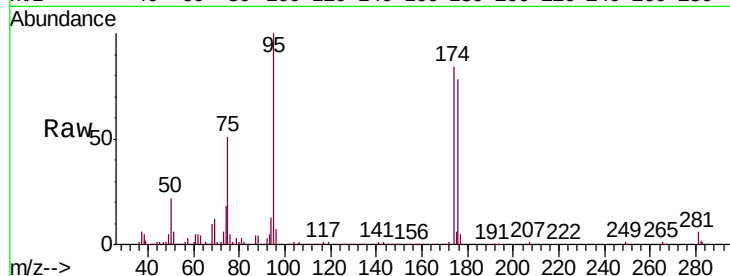
Tgt Ion: 95 Resp: 123624

Ion Ratio Lower Upper

95 100

174 82.8 0.0 161.0

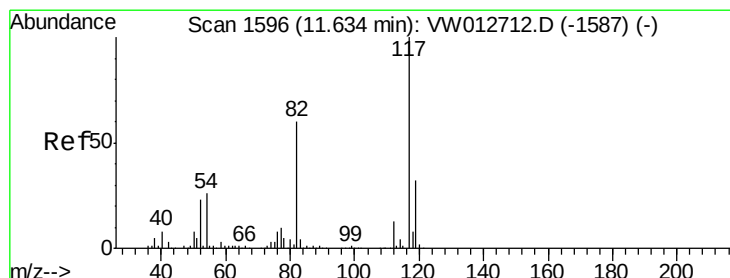
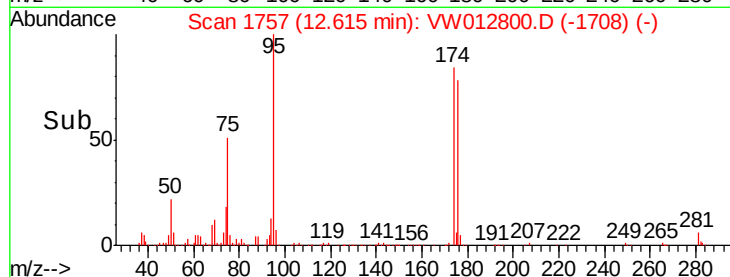
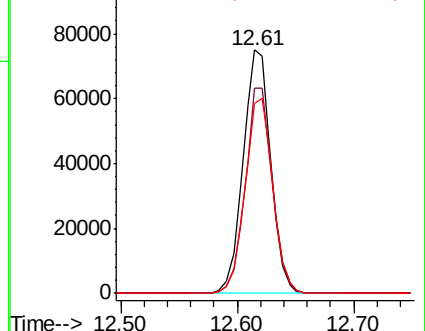
176 80.7 0.0 156.4



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: VW012800.D

Acq: 09 Sep 2019 05:07

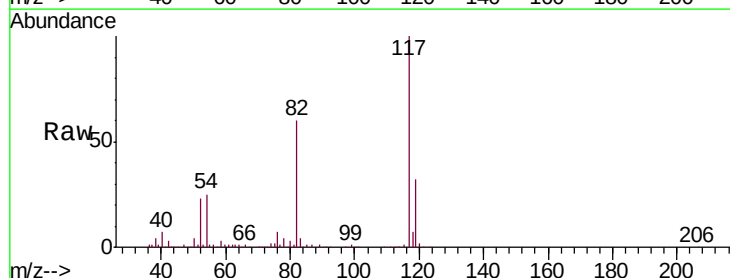
Tgt Ion: 117 Resp: 298736

Ion Ratio Lower Upper

117 100

82 60.5 48.2 72.4

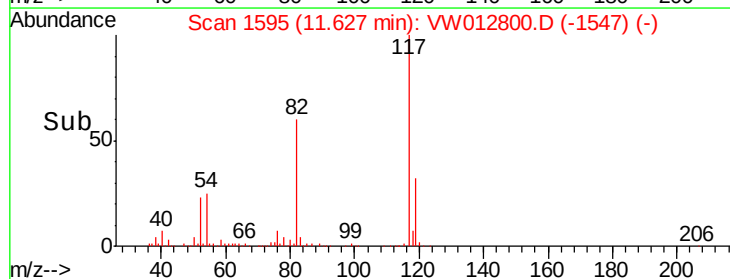
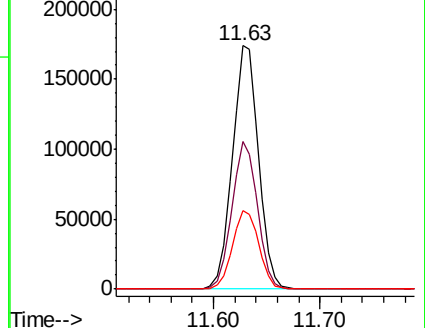
119 32.0 25.8 38.6

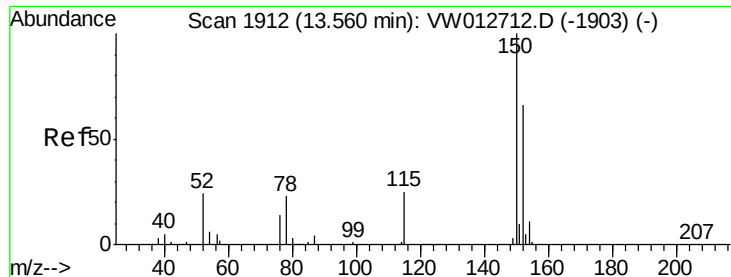


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



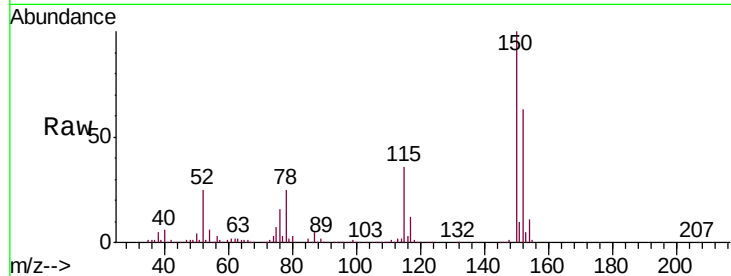


#72

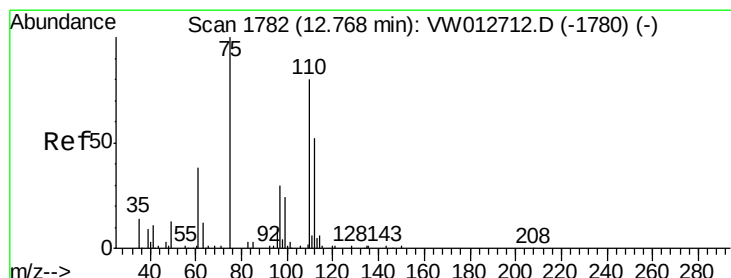
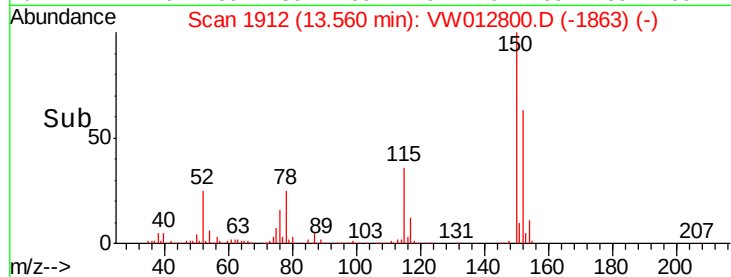
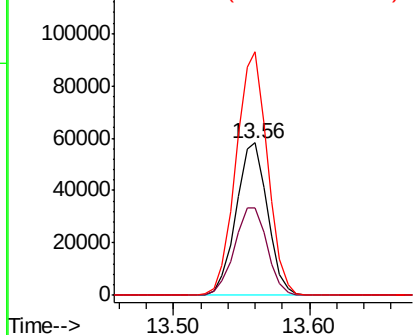
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D4-(0)

Tgt Ion:152 Resp: 93575
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.1
150 160.0 0.0 349.0



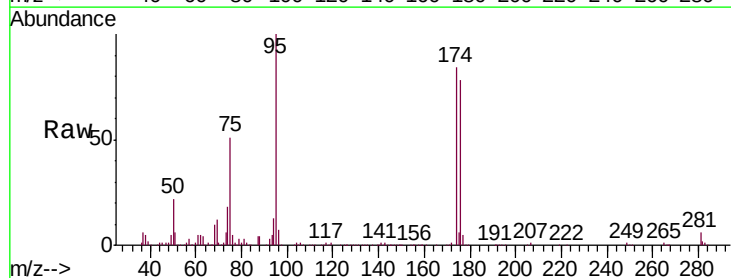
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



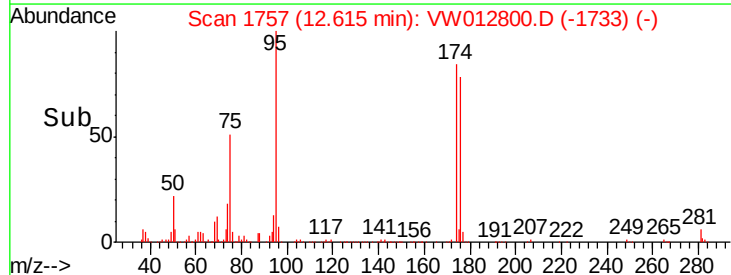
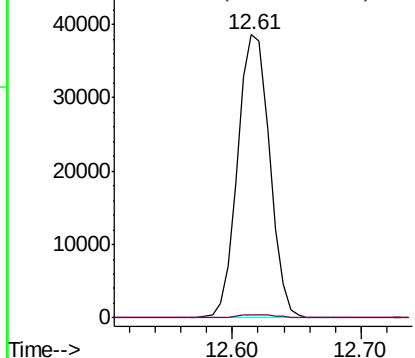
#76

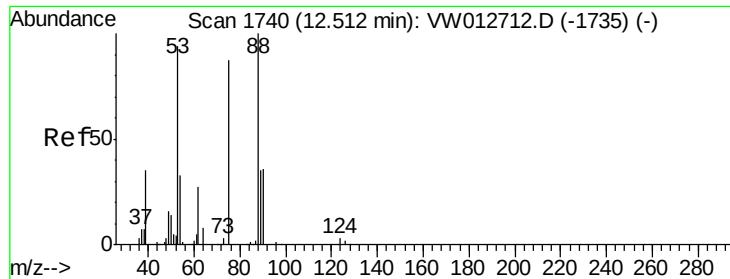
1,2,3-Trichloropropane
Concen: 69.494 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012800.D
Acq: 09 Sep 2019 05:07

Tgt Ion: 75 Resp: 66495
Ion Ratio Lower Upper
75 100
77 1.4 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: 146.984 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012800.D

Acq: 09 Sep 2019 05:07

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D4-(0)

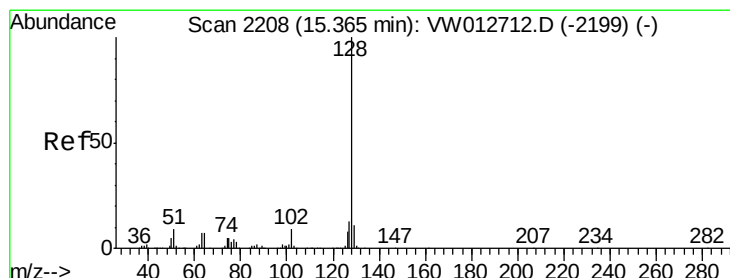
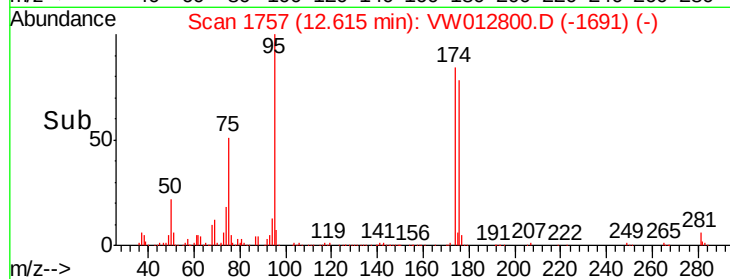
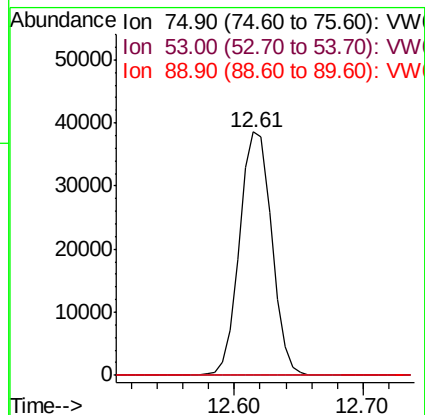
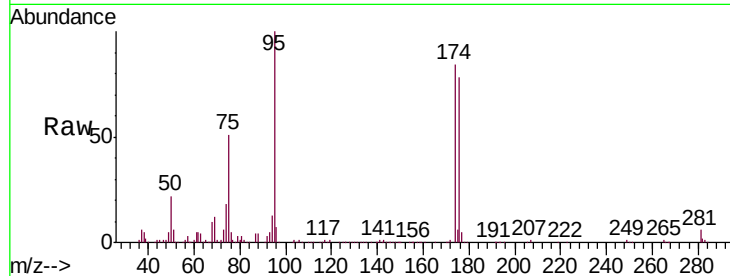
Tgt Ion: 75 Resp: 66495

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.462 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012800.D

Acq: 09 Sep 2019 05:07

Tgt Ion: 128 Resp: 100

Ion Ratio Lower Upper

128 100

127 19.0 10.7 16.1#

129 0.0 8.7 13.1#

