

Data File : VW012795.D
Acq On : 09 Sep 2019 02:58
Operator : SY/VA
Sample : K4623-06
Misc : 4.32G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C3-(4)

Quant Time: Sep 09 06:07:35 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	258948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	144971	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.88	113	113675	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.32	98	455351	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	131334	40.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.44%	

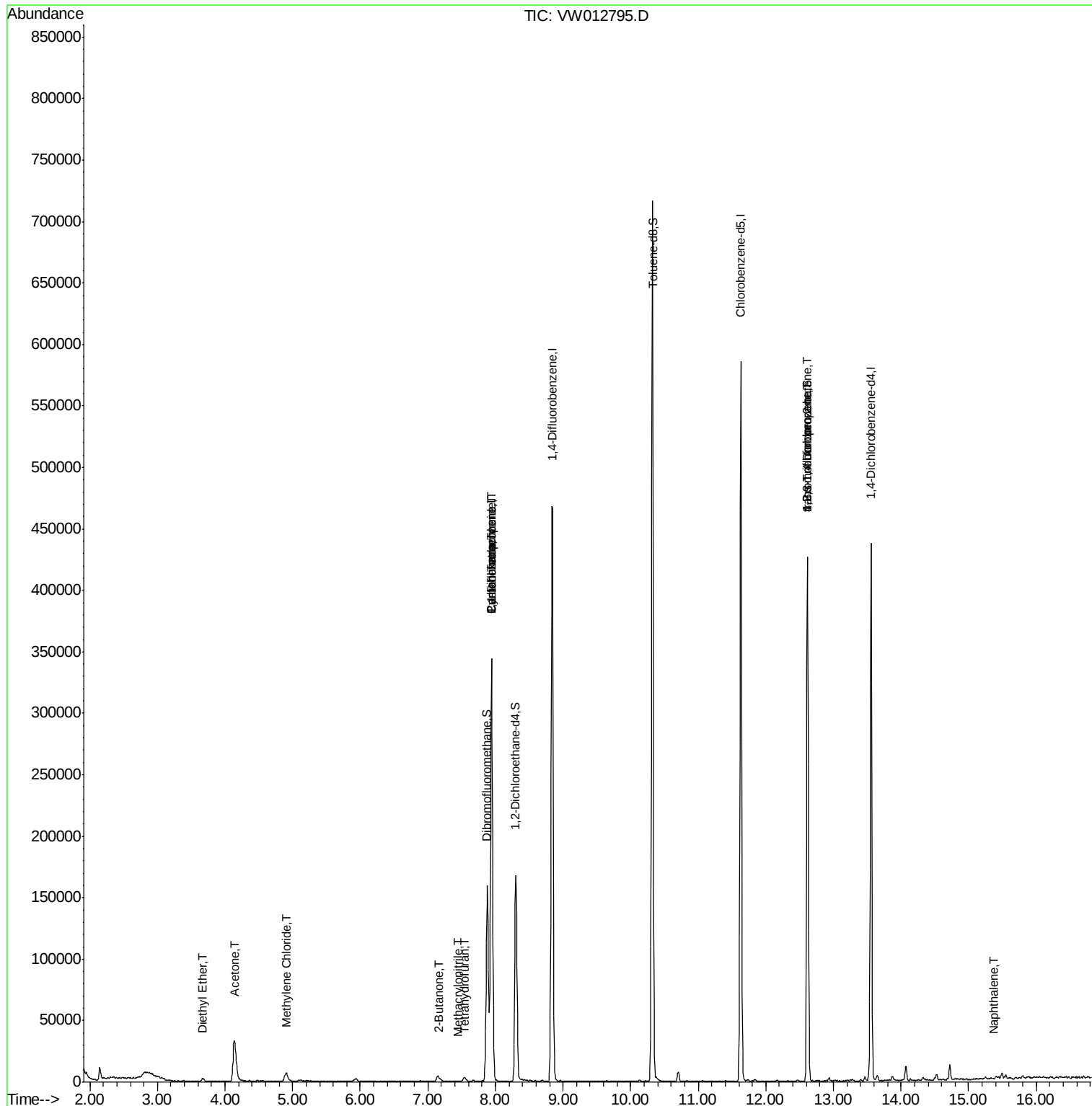
Target Compounds			Qvalue			
8) Diethyl Ether	3.67	74	1264	1.042	ug/l	94
16) Acetone	4.14	43	71859	91.102	ug/l	99
20) Methylene Chloride	4.90	84	4904	1.987	ug/l	94
25) 2-Butanone	7.17	43	239	19.870	ug/l #	53
29) Tetrahydrofuran	7.53	42	1265	1.986	ug/l #	11
31) Cyclohexane	7.95	56	5927	1.394	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	19818	5.776	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24943	7.375	ug/l #	16
41) Methacrylonitrile	7.45	41	57	3.874	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	71575	61.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71575	129.979	ug/l #	6
95) Naphthalene	15.37	128	381	4.512	ug/l #	81

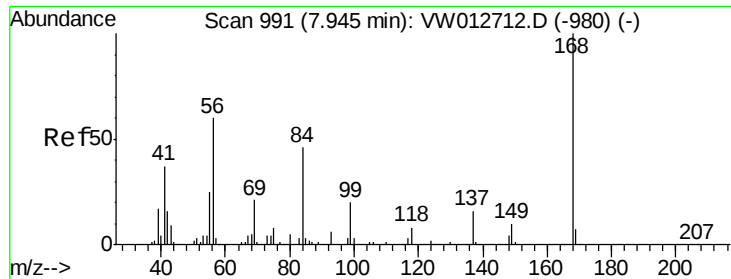
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampled :

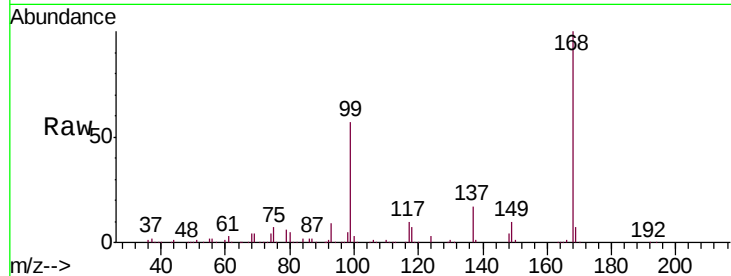
PAR-11-C3-(4)

Tgt Ion:168 Resp: 258948

Ion Ratio Lower Upper

168 100

99 57.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

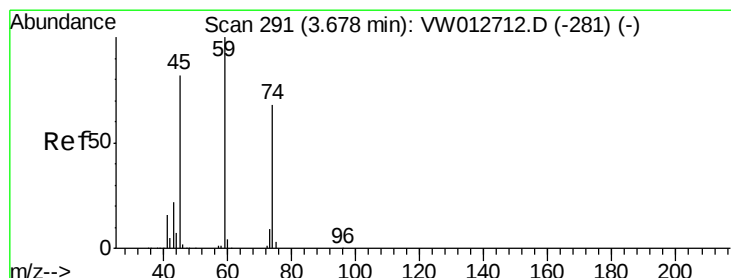
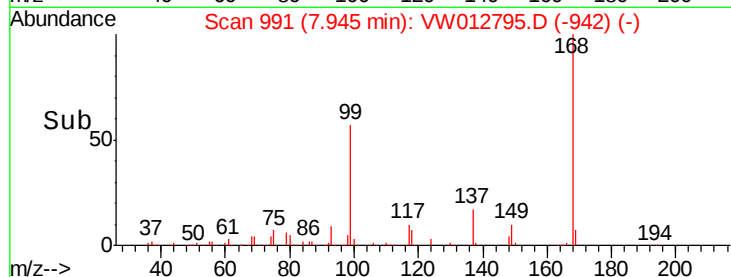
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.042 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012795.D

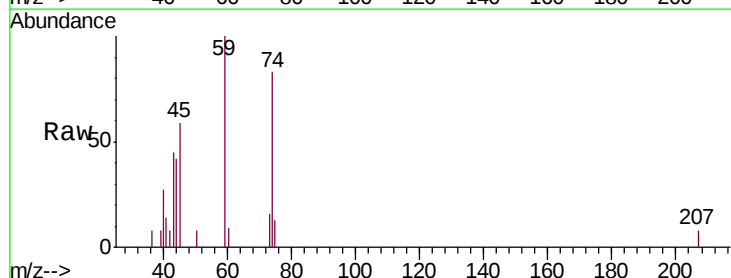
Acq: 09 Sep 2019 02:58

Tgt Ion: 74 Resp: 1264

Ion Ratio Lower Upper

74 100

45 123.7 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

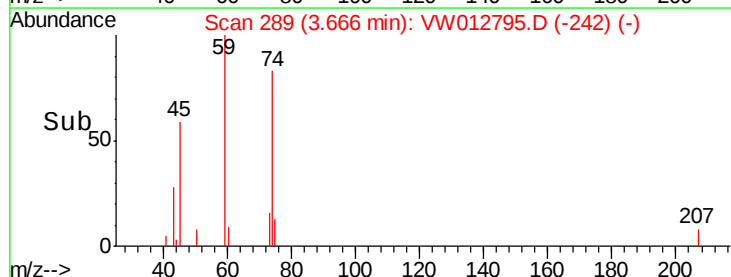
600

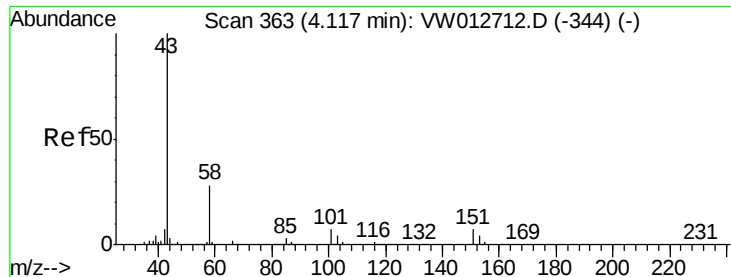
400

200

0

Time-->





#16

Acetone

Concen: 91.102 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

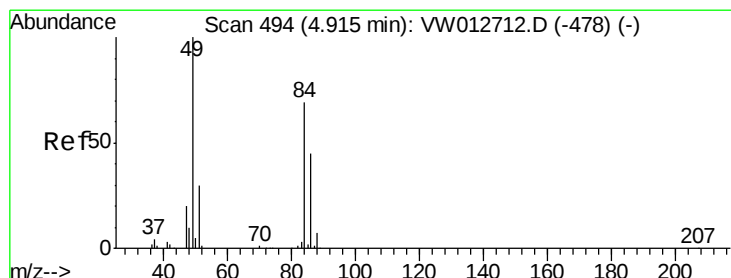
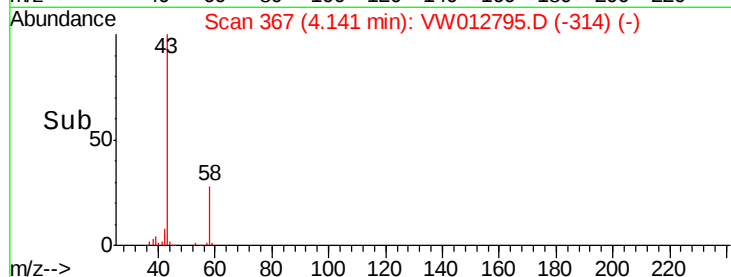
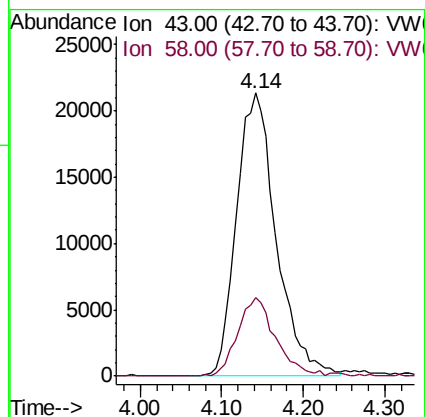
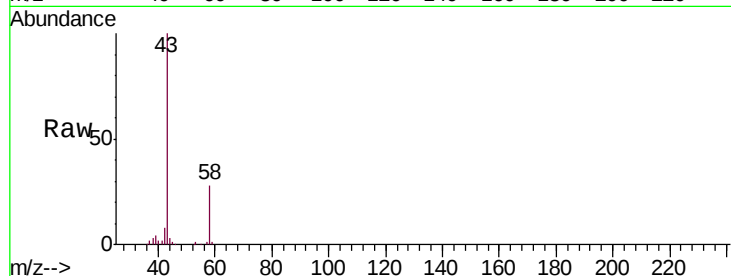
PAR-11-C3-(4)

Tgt Ion: 43 Resp: 71859

Ion Ratio Lower Upper

43 100

58 27.6 22.6 33.8



#20

Methylene Chloride

Concen: 1.987 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Tgt Ion: 84 Resp: 4904

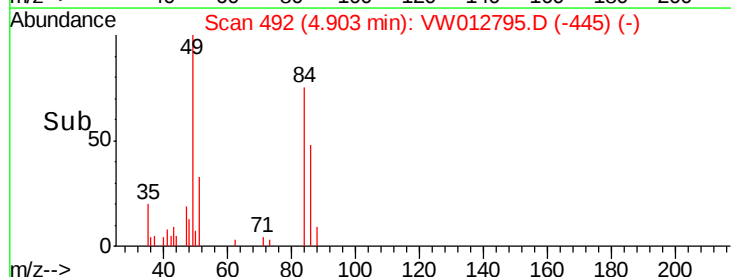
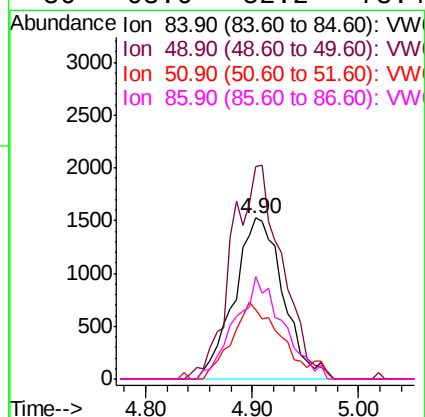
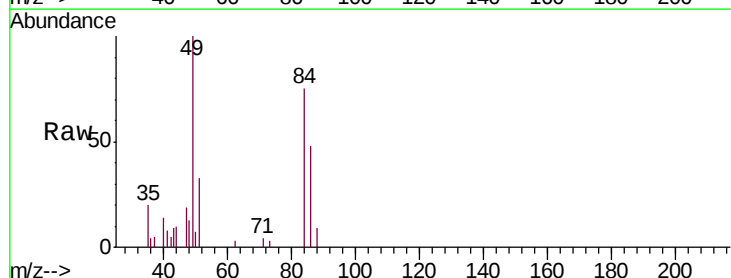
Ion Ratio Lower Upper

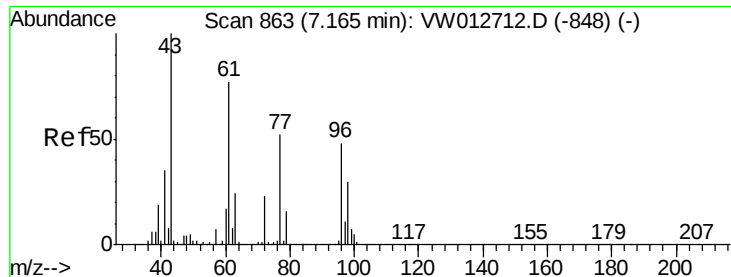
84 100

49 132.5 115.4 173.0

51 43.1 34.9 52.3

86 63.6 52.2 78.4





#25

2-Butanone

Concen: 19.870 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampled :

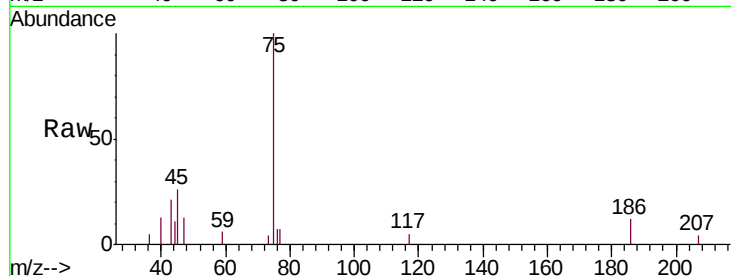
PAR-11-C3-(4)

Tgt Ion: 43 Resp: 239

Ion Ratio Lower Upper

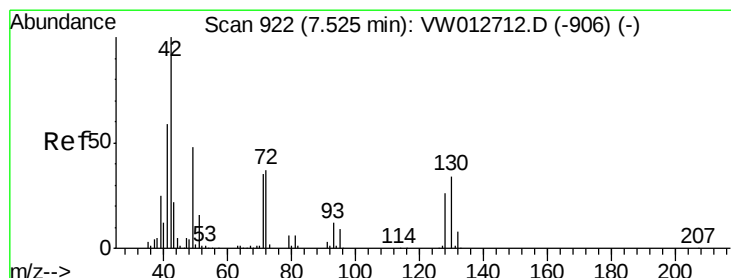
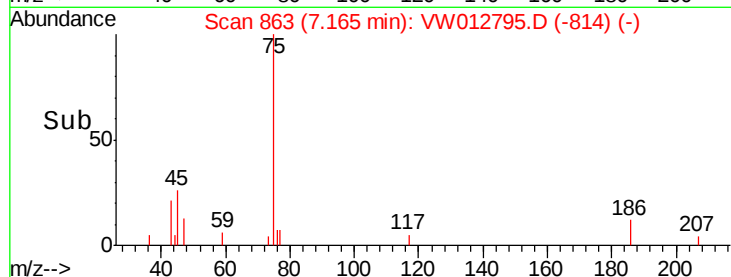
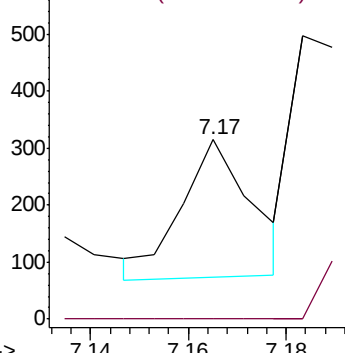
43 100

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: 1.986 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

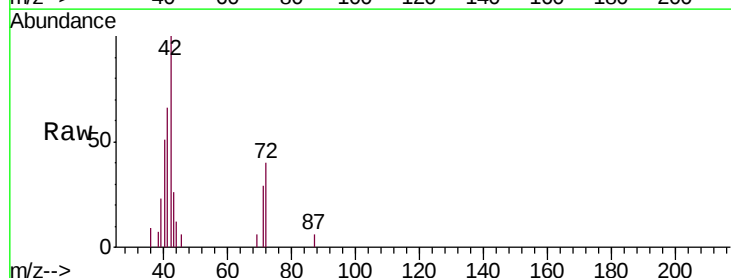
Tgt Ion: 42 Resp: 1265

Ion Ratio Lower Upper

42 100

72 91.2 28.4 42.6#

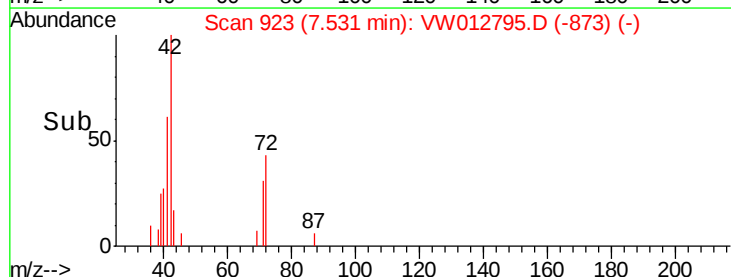
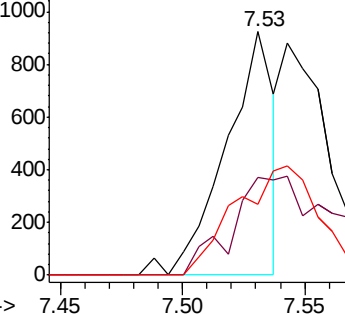
71 81.5 27.1 40.7#

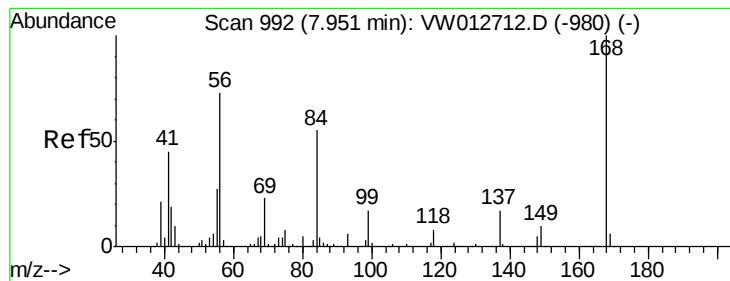


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

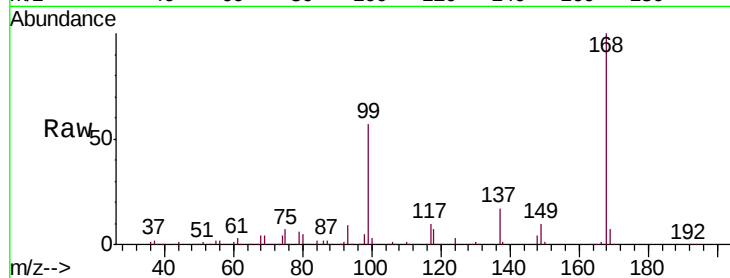
Tgt Ion: 56 Resp: 5927

Ion Ratio Lower Upper

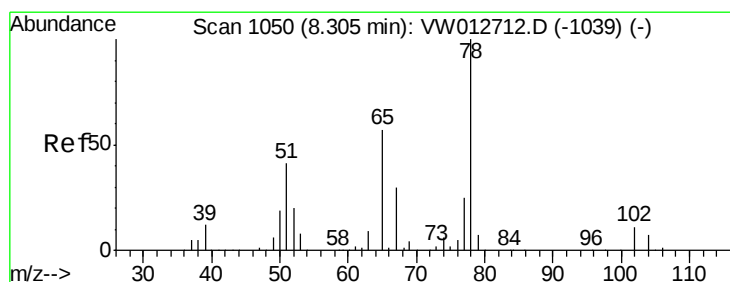
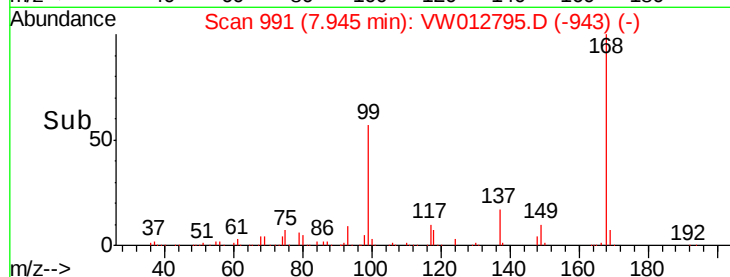
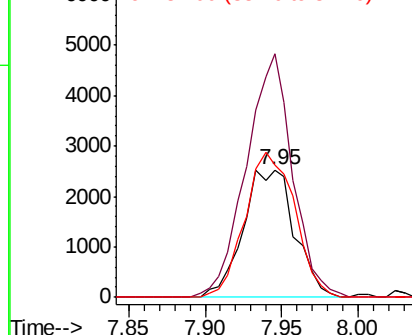
56 100

69 191.4 25.7 38.5#

84 103.5 60.4 90.6#



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: 50.106 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012795.D

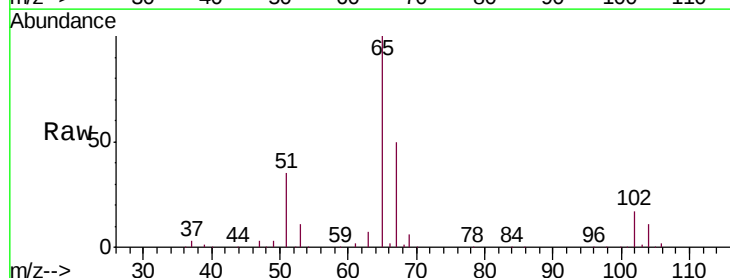
Acq: 09 Sep 2019 02:58

Tgt Ion: 65 Resp: 144971

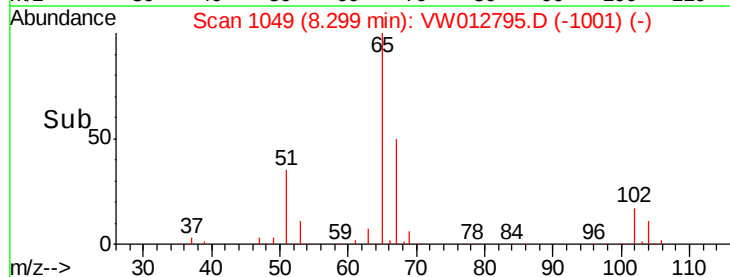
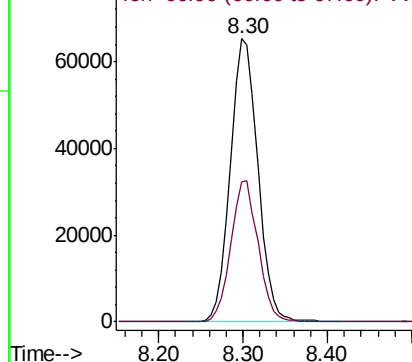
Ion Ratio Lower Upper

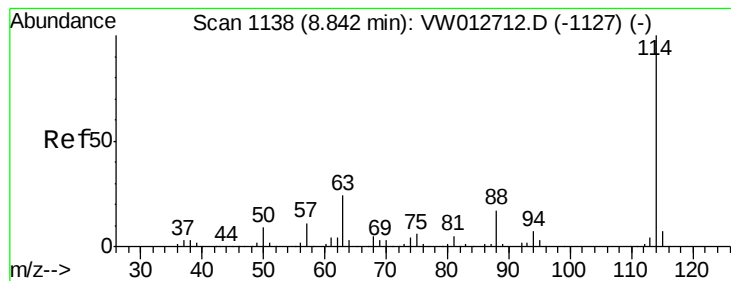
65 100

67 49.5 0.0 101.8



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: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

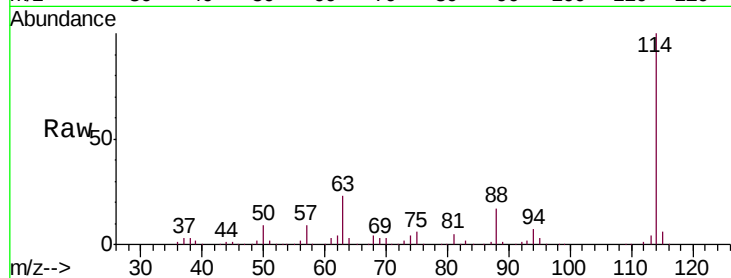
Tgt Ion:114 Resp: 386147

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

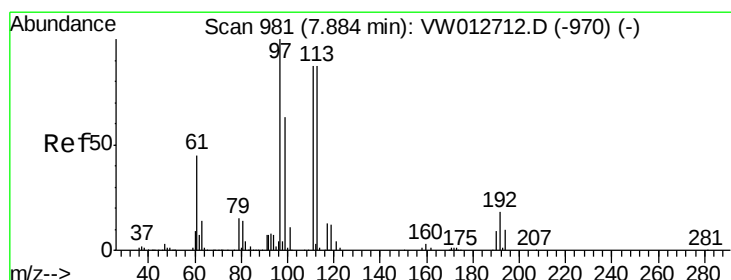
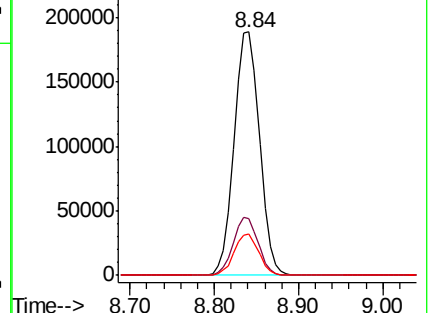
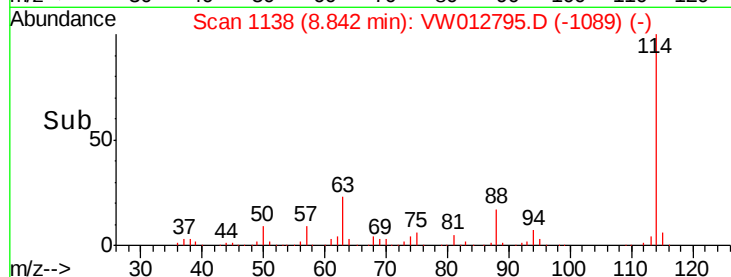
88 17.2 0.0 34.0



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: 49.515 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

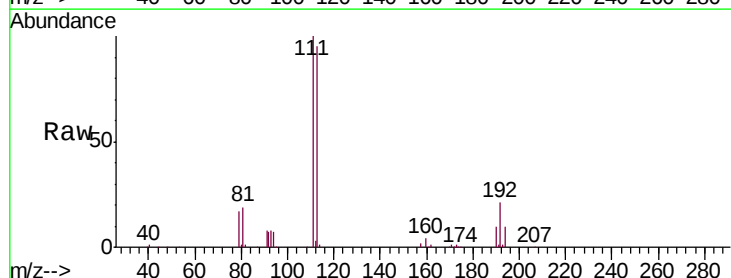
Tgt Ion:113 Resp: 113675

Ion Ratio Lower Upper

113 100

111 101.7 80.2 120.4

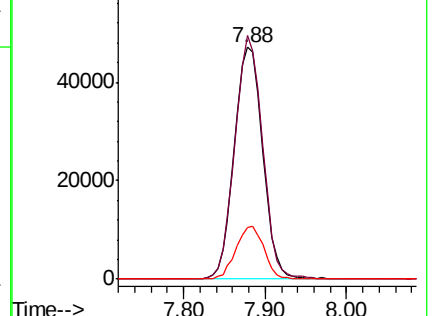
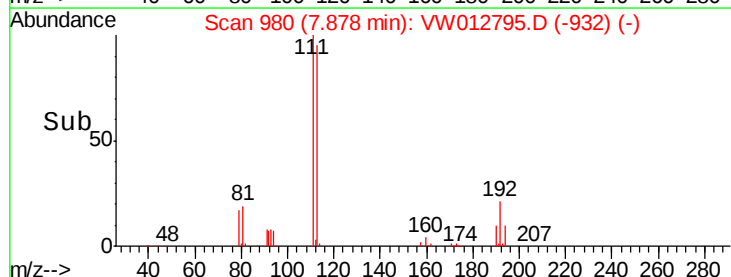
192 22.3 17.3 25.9

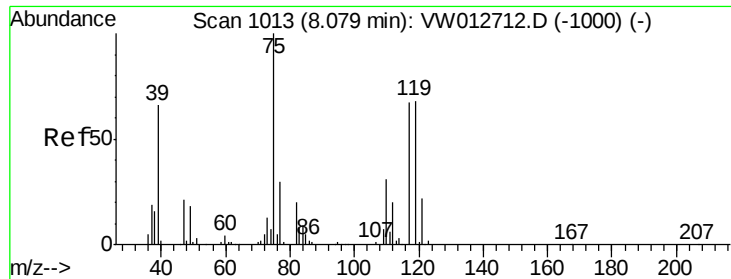


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

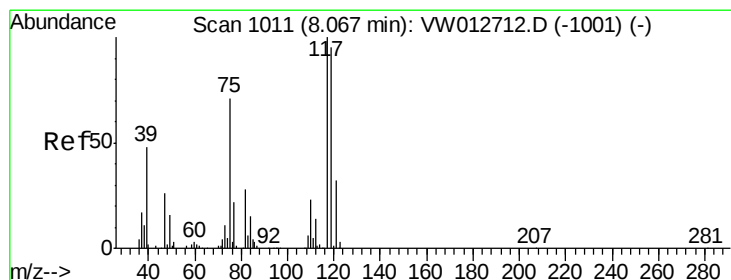
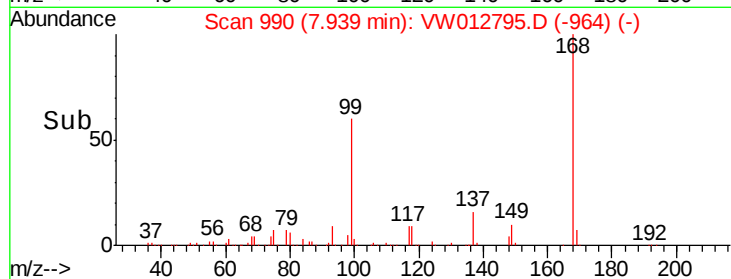
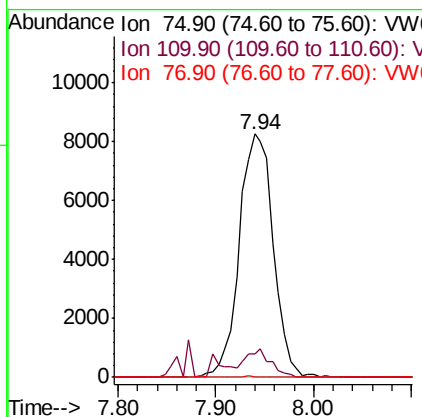
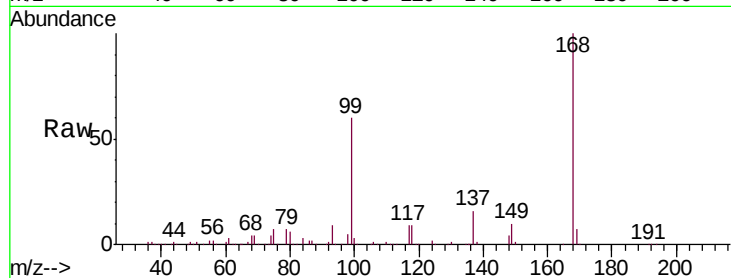




#36
 1,1-Dichloropropene
 Concen: 5.776 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012795.D
 Acq: 09 Sep 2019 02:58

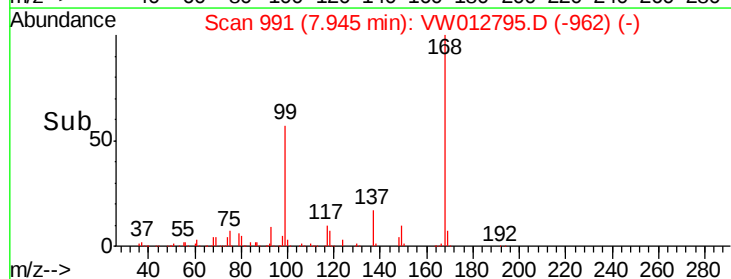
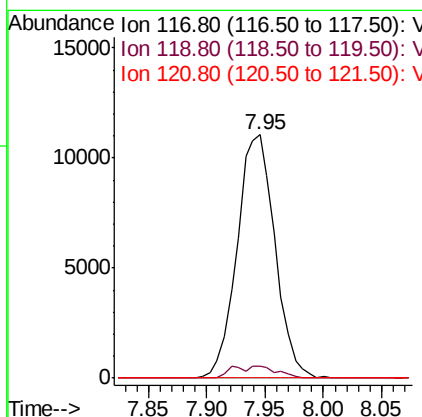
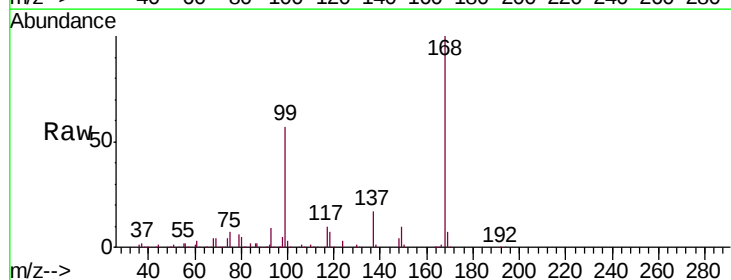
Instrument :
 MSVOA_W
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 PAR-11-C3-(4)

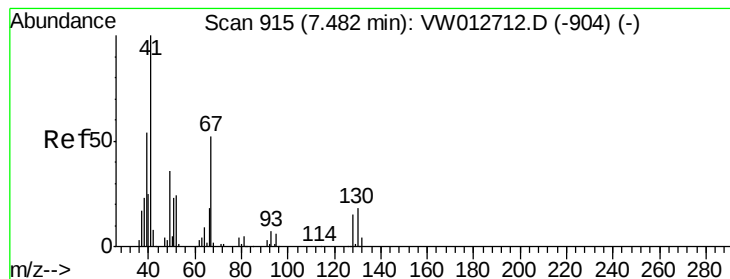
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.9	47.7#
77	0.1	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.375 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012795.D
 Acq: 09 Sep 2019 02:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 3.874 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

Tgt Ion: 41 Resp: 57

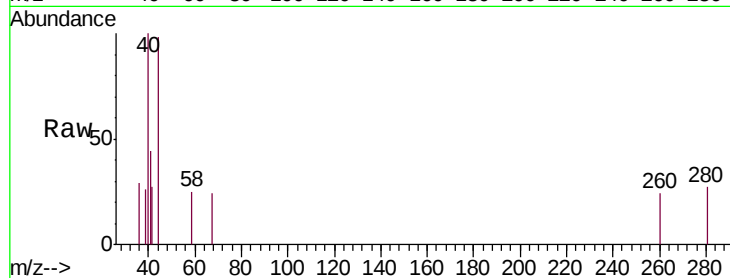
Ion Ratio Lower Upper

41 100

39 93.0 47.5 71.3#

67 66.7 45.1 67.7

52 0.0 20.2 30.2#

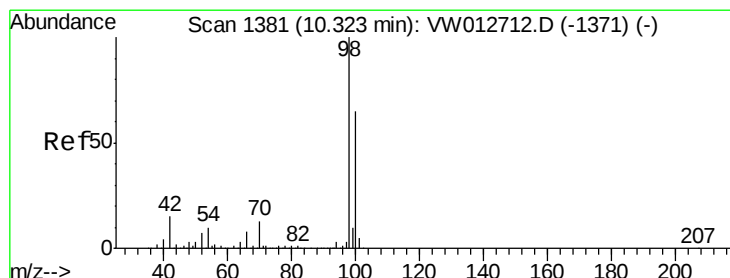
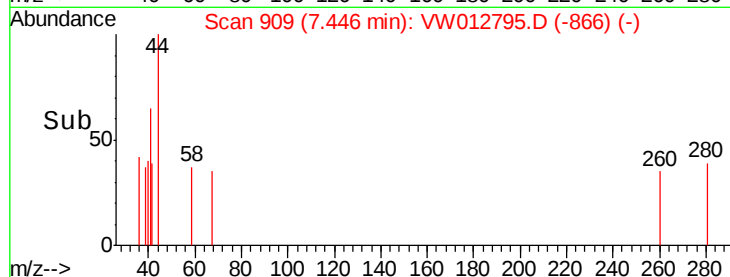
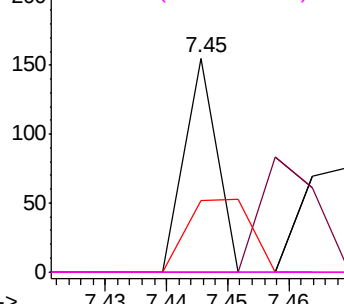


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.627 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012795.D

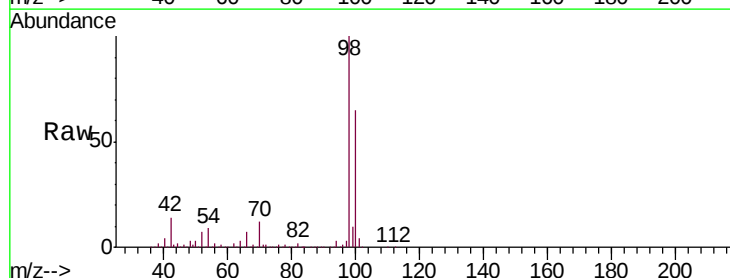
Acq: 09 Sep 2019 02:58

Tgt Ion: 98 Resp: 455351

Ion Ratio Lower Upper

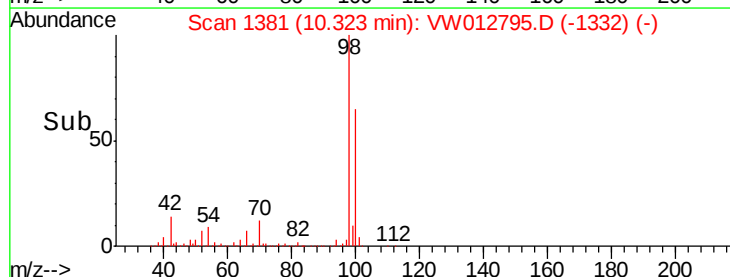
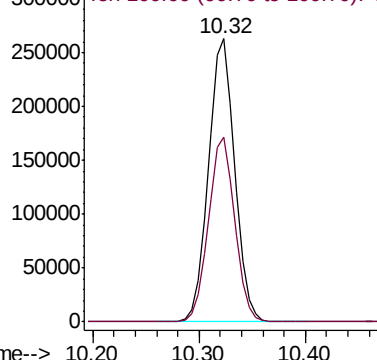
98 100

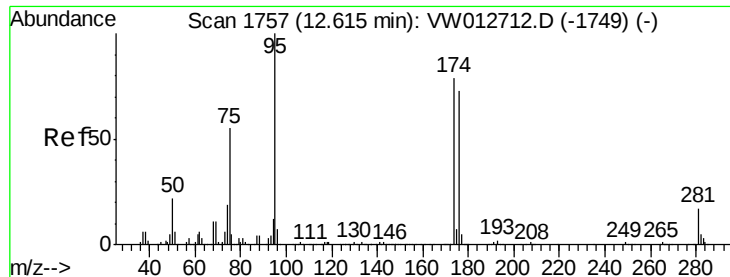
100 65.5 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 40.223 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

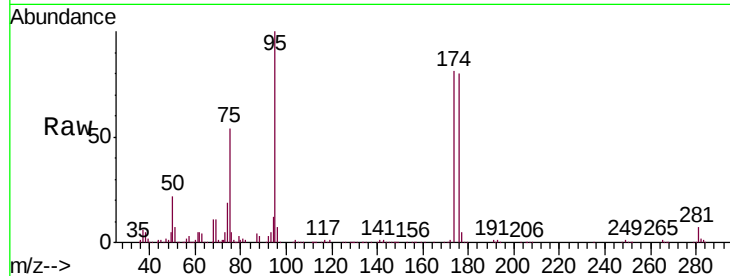
Tgt Ion: 95 Resp: 131334

Ion Ratio Lower Upper

95 100

174 83.7 0.0 161.0

176 80.3 0.0 156.4



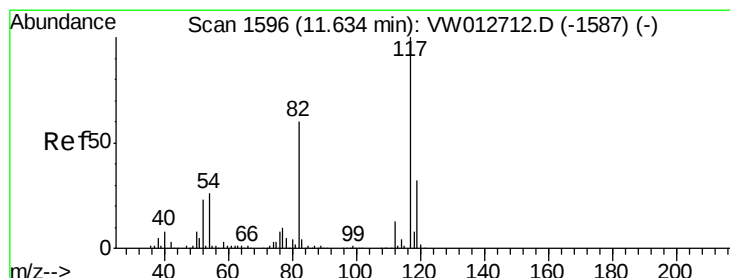
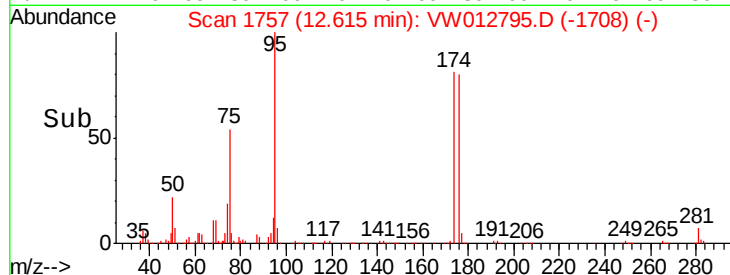
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

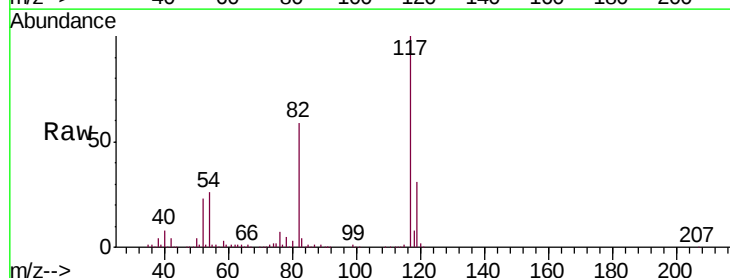
Tgt Ion: 117 Resp: 307811

Ion Ratio Lower Upper

117 100

82 59.1 48.2 72.4

119 31.3 25.8 38.6



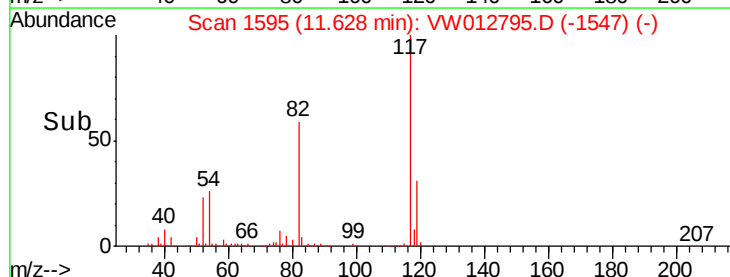
Abundance Ion 116.90 (116.60 to 117.60): VW

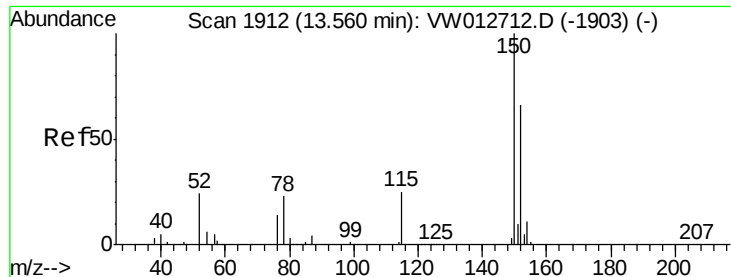
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

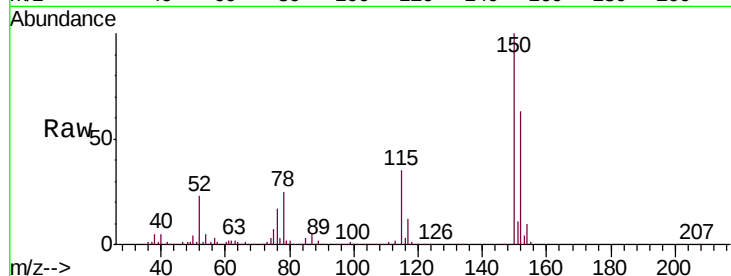
Tgt Ion:152 Resp: 113902

Ion Ratio Lower Upper

152 100

115 57.7 30.0 90.1

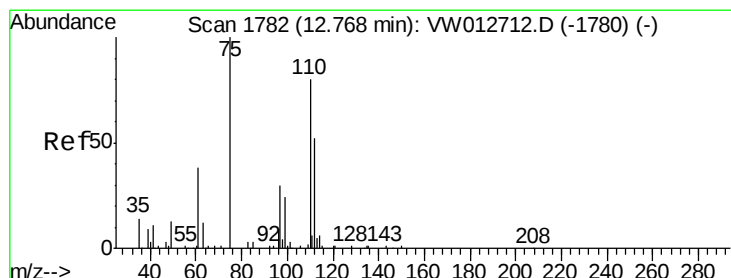
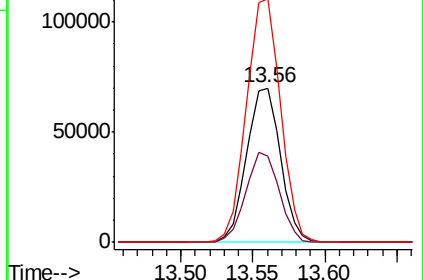
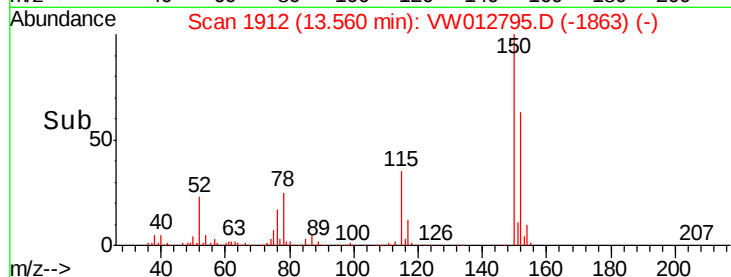
150 158.7 0.0 349.0



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: 61.454 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012795.D

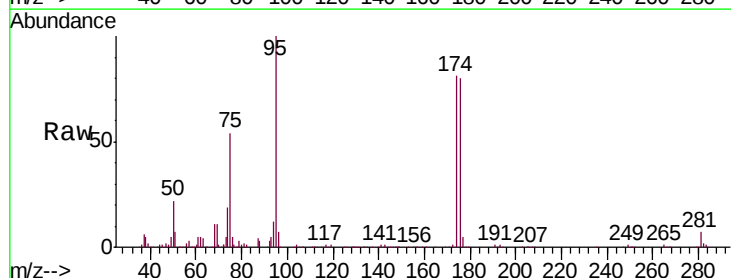
Acq: 09 Sep 2019 02:58

Tgt Ion: 75 Resp: 71575

Ion Ratio Lower Upper

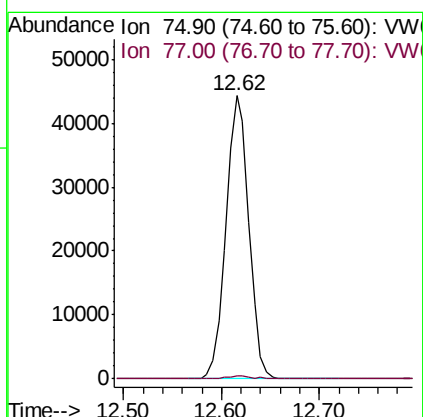
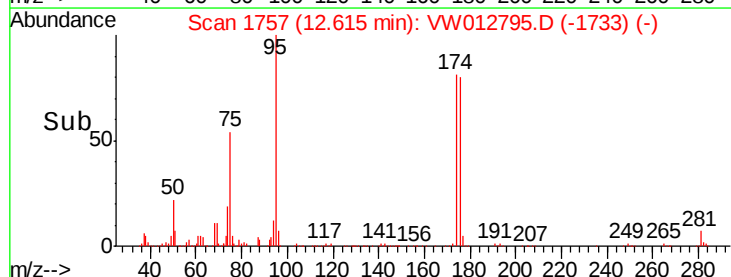
75 100

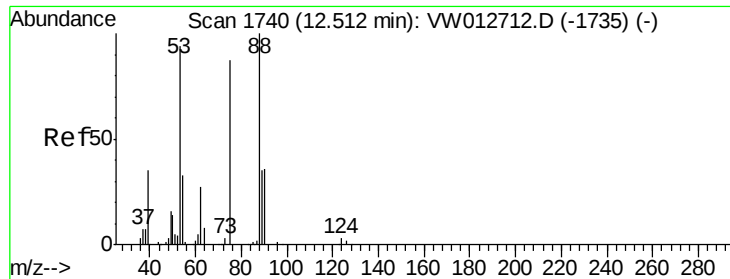
77 1.4 0.0 0.0#



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: 129.979 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(4)

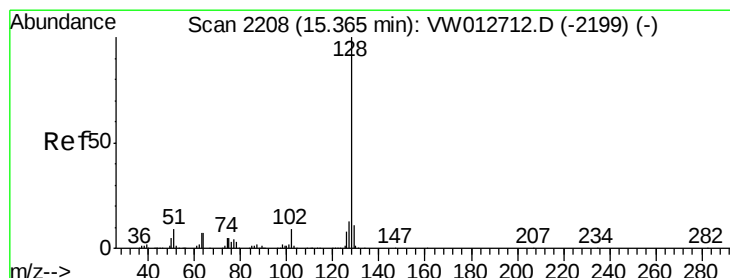
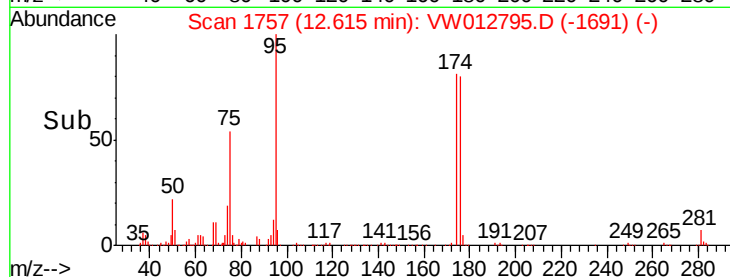
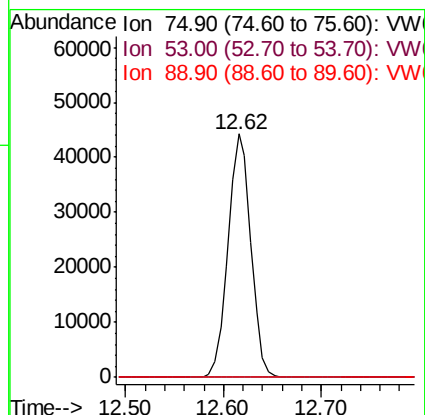
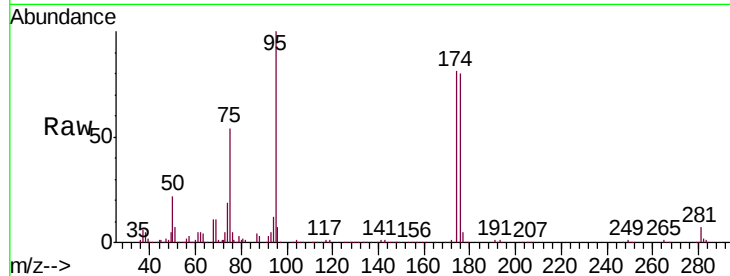
Tgt Ion: 75 Resp: 71575

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.512 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012795.D

Acq: 09 Sep 2019 02:58

Tgt Ion: 128 Resp: 381

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 11.0 8.7 13.1

