

Data File : VW012794.D
Acq On : 09 Sep 2019 02:32
Operator : SY/VA
Sample : K4623-05
Misc : 3.93G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(4)

Quant Time: Sep 09 06:07:18 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	7.94	168	241839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135545	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.88	113	107552	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.32	98	429292	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.62	95	132438	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	

Target Compounds

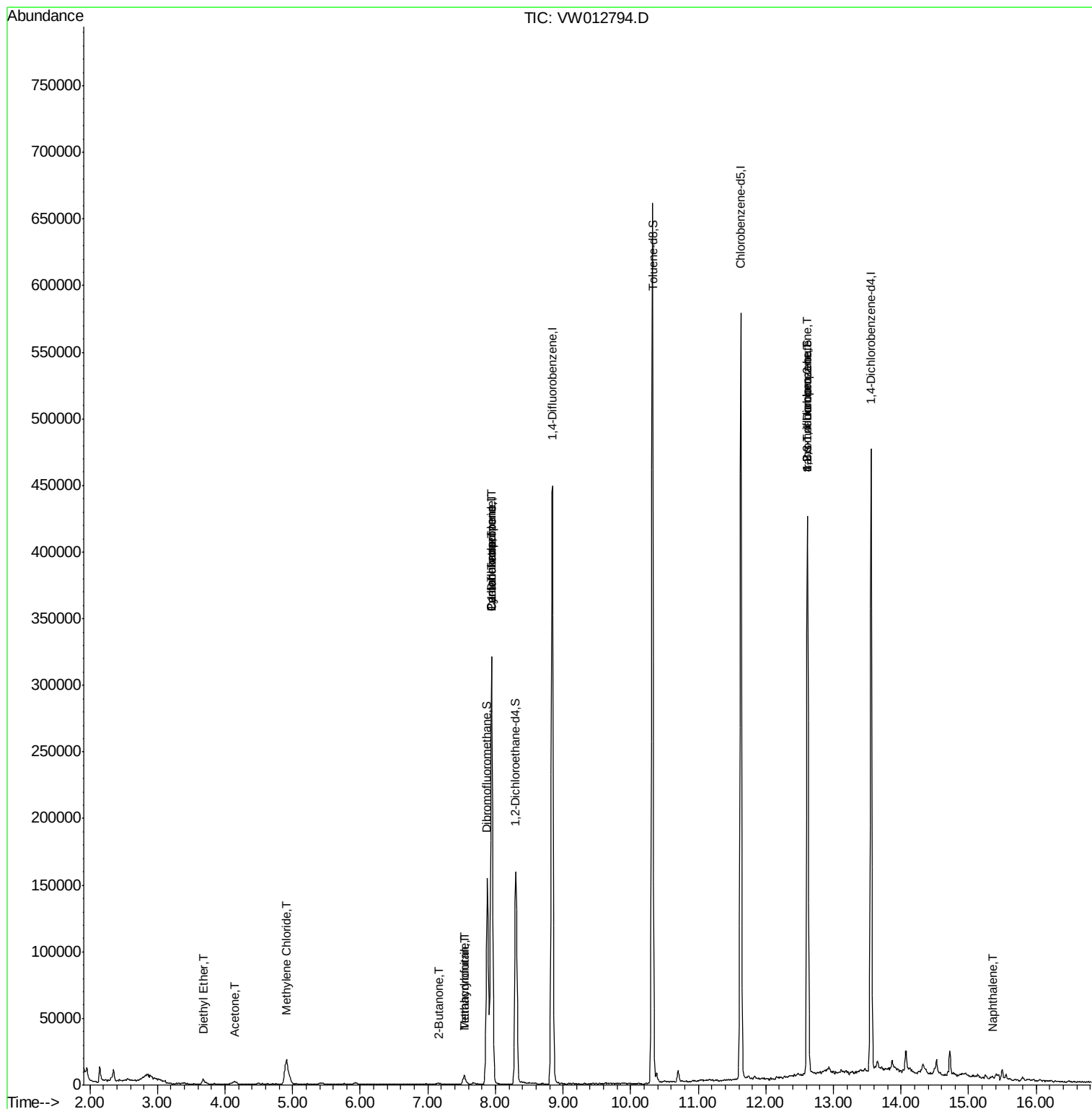
						Qvalue
8) Diethyl Ether	3.68	74	1717	1.515	ug/l	91
16) Acetone	4.14	43	3929	5.334	ug/l	96
20) Methylene Chloride	4.91	84	12625	5.478	ug/l	96
25) 2-Butanone	7.16	43	121	19.783	ug/l #	53
29) Tetrahydrofuran	7.54	42	5310	8.926	ug/l #	90
31) Cyclohexane	7.95	56	5674	1.429	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	19239	5.926	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24169	7.552	ug/l #	17
41) Methacrylonitrile	7.54	41	3792	6.327	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	72527	58.904	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72527	124.587	ug/l #	7
95) Naphthalene	15.35	128	224	4.479	ug/l #	76

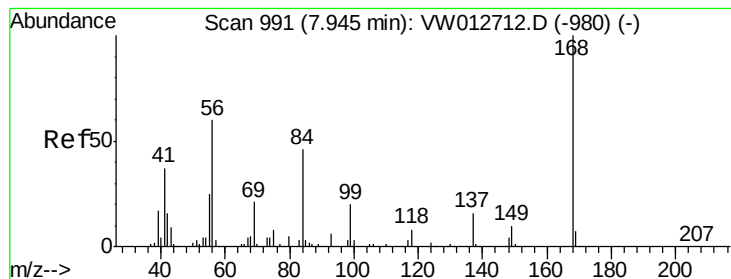
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

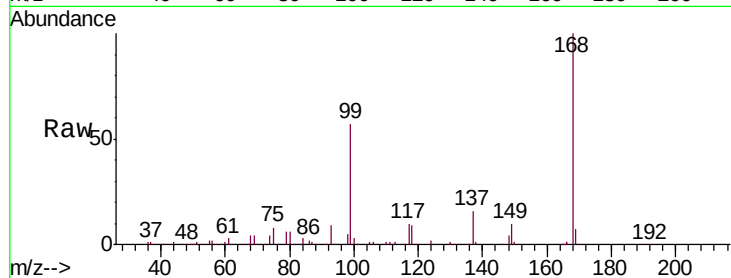
PAR-11-C2-(4)

Tgt Ion:168 Resp: 241839

Ion Ratio Lower Upper

168 100

99 56.7 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

120000

100000

80000

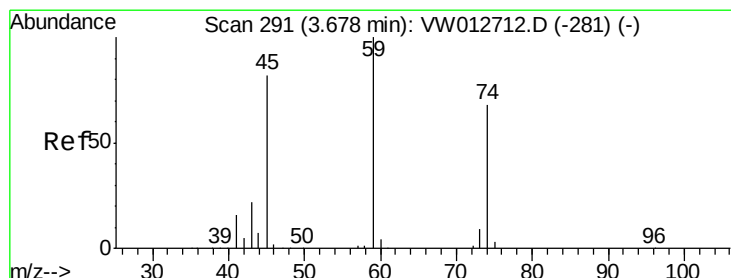
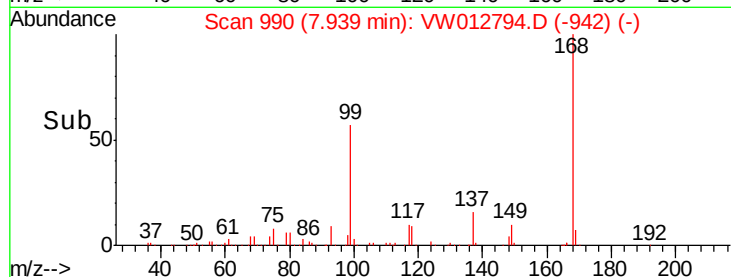
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.515 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012794.D

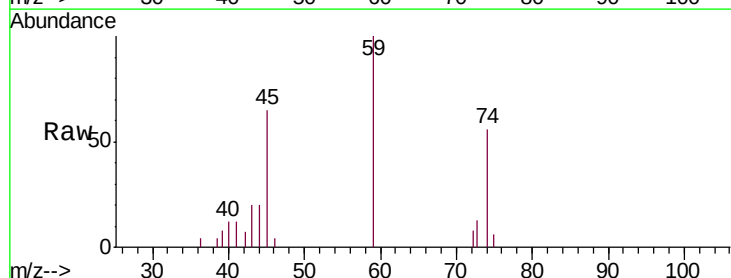
Acq: 09 Sep 2019 02:32

Tgt Ion: 74 Resp: 1717

Ion Ratio Lower Upper

74 100

45 127.4 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

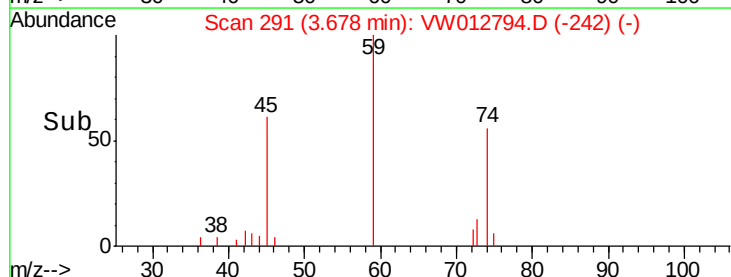
600

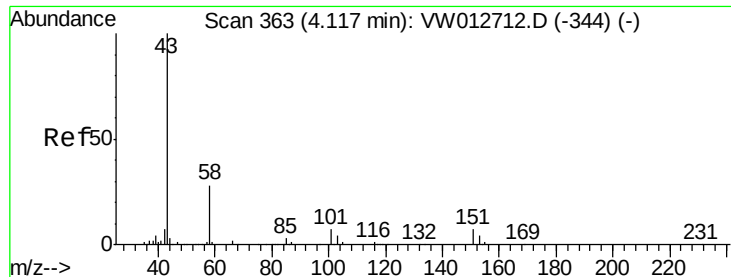
400

200

0

Time--> 3.60 3.65 3.70 3.75

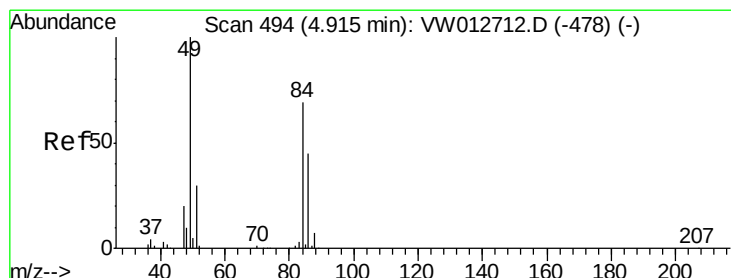
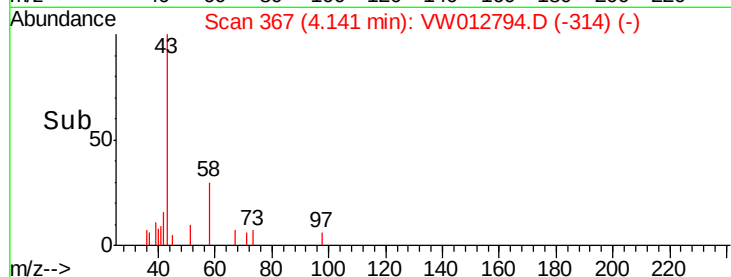
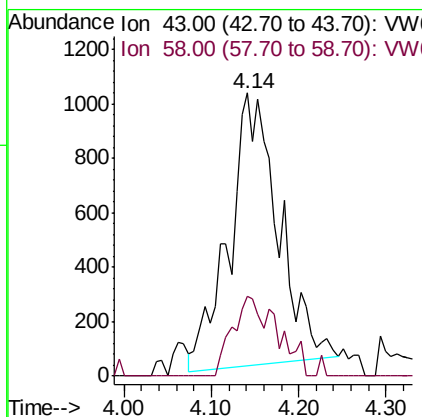
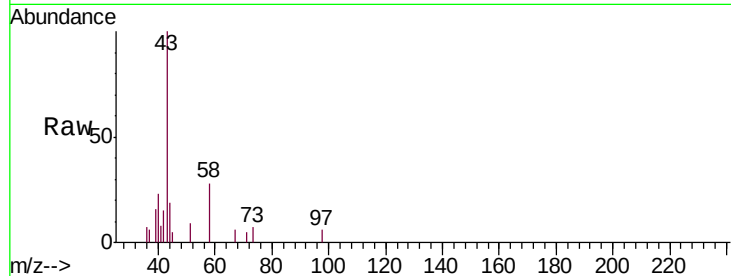




#16
Acetone
Concen: 5.334 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012794.D
Acq: 09 Sep 2019 02:32

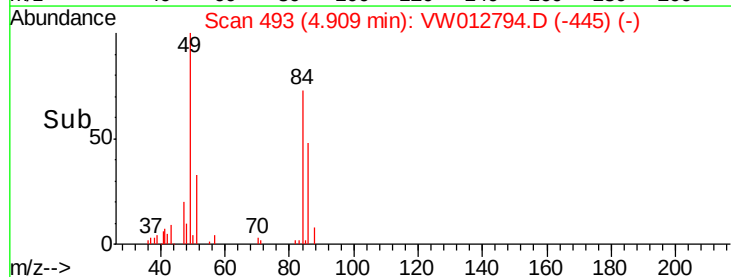
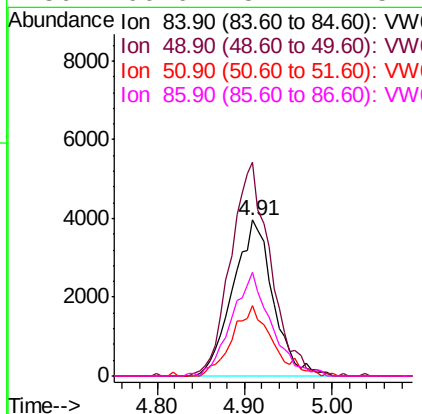
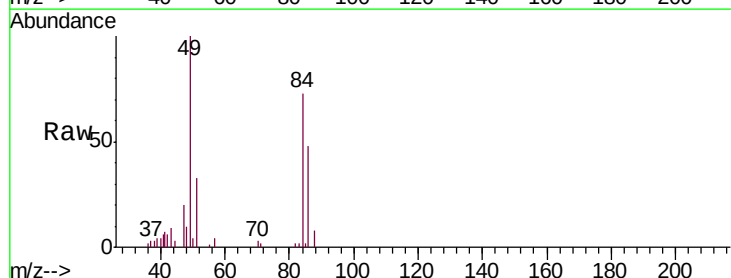
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(4)

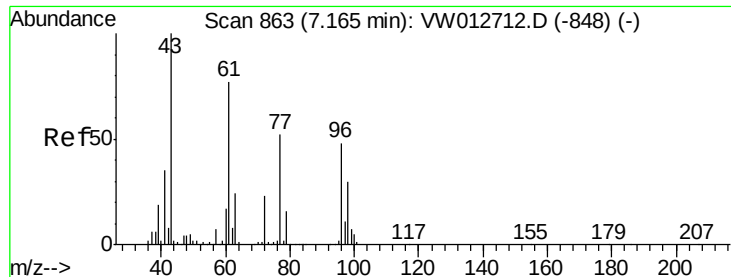
Tgt Ion: 43 Resp: 3929
Ion Ratio Lower Upper
43 100
58 30.3 22.6 33.8



#20
Methylene Chloride
Concen: 5.478 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012794.D
Acq: 09 Sep 2019 02:32

Tgt Ion: 84 Resp: 12625
Ion Ratio Lower Upper
84 100
49 137.3 115.4 173.0
51 44.9 34.9 52.3
86 66.6 52.2 78.4





#25

2-Butanone

Concen: 19.783 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampled :

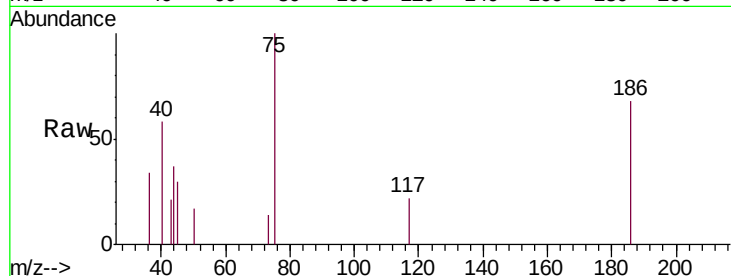
PAR-11-C2-(4)

Tgt Ion: 43 Resp: 121

Ion Ratio Lower Upper

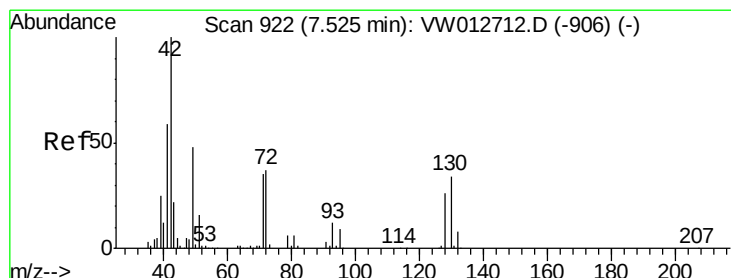
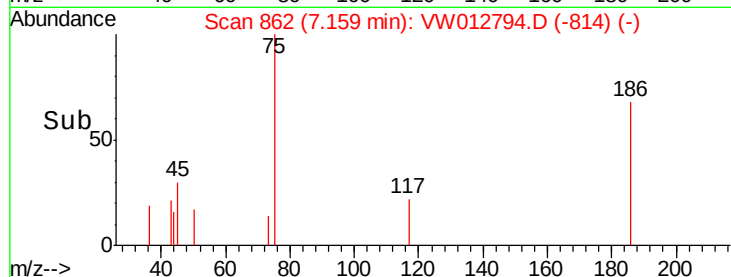
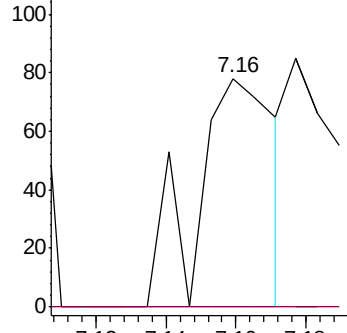
43 100

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: 8.926 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

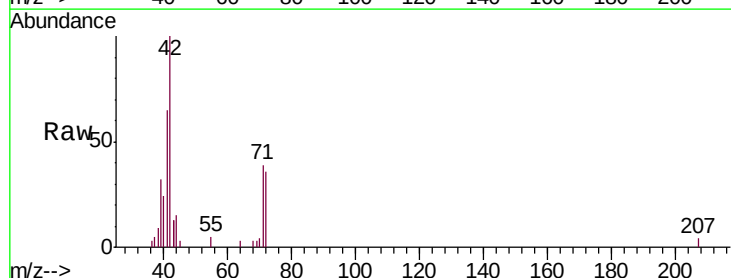
Tgt Ion: 42 Resp: 5310

Ion Ratio Lower Upper

42 100

72 44.8 28.4 42.6#

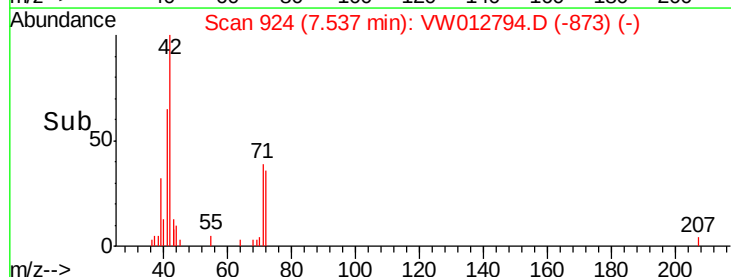
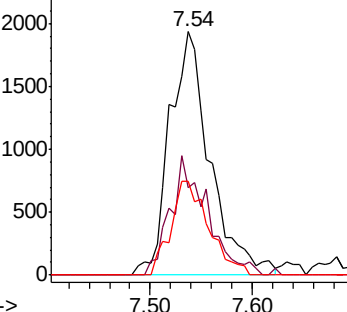
71 36.4 27.1 40.7

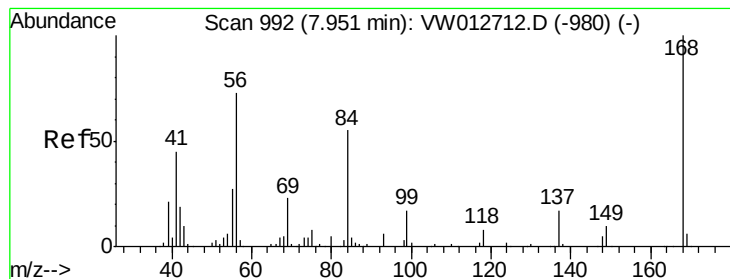


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.429 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampled :

PAR-11-C2-(4)

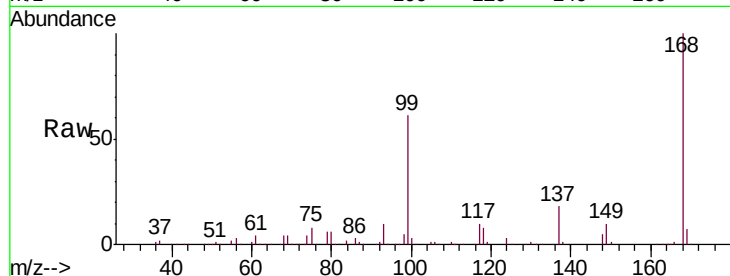
Tgt Ion: 56 Resp: 5674

Ion Ratio Lower Upper

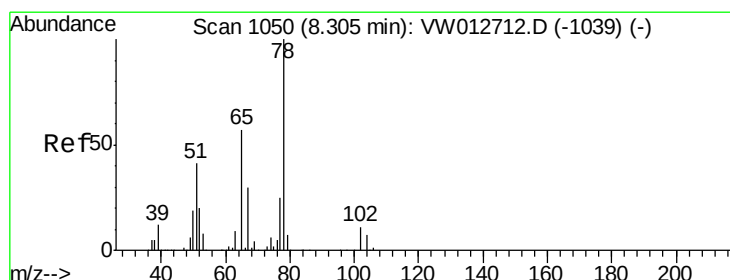
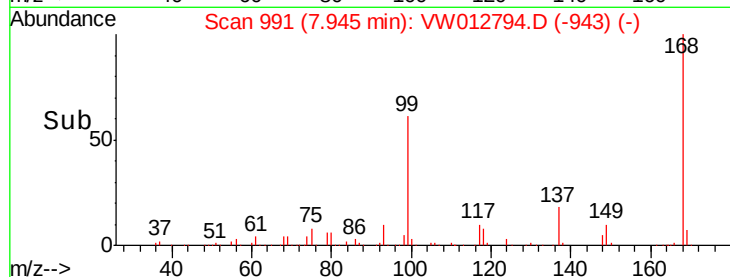
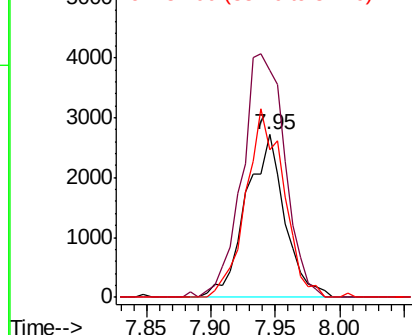
56 100

69 139.3 25.7 38.5#

84 90.8 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: 50.162 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012794.D

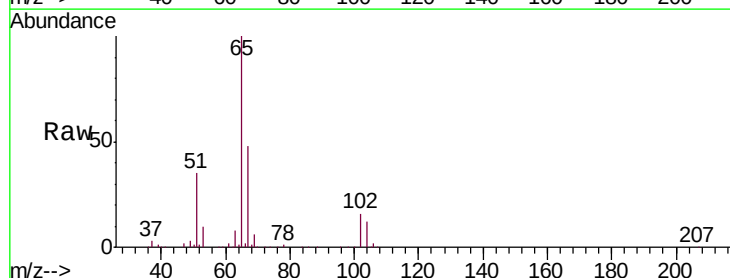
Acq: 09 Sep 2019 02:32

Tgt Ion: 65 Resp: 135545

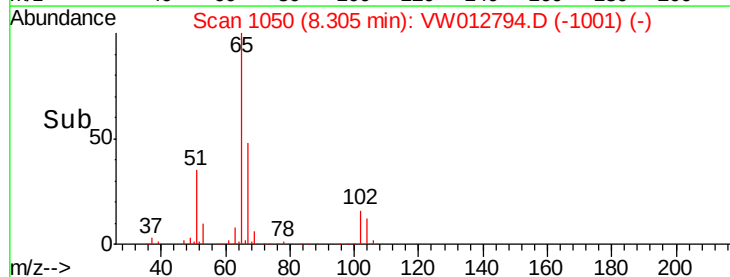
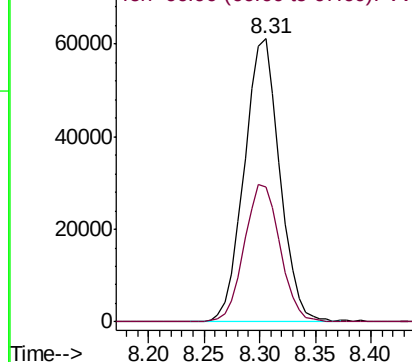
Ion Ratio Lower Upper

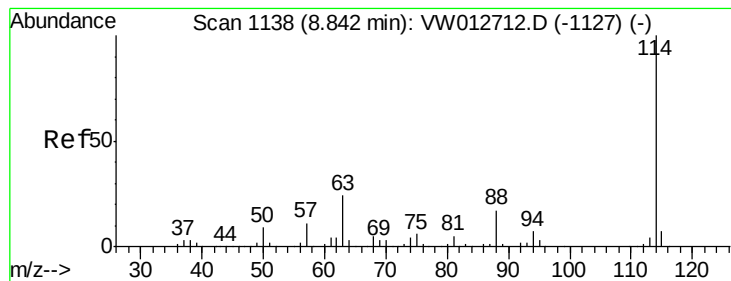
65 100

67 49.4 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: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(4)

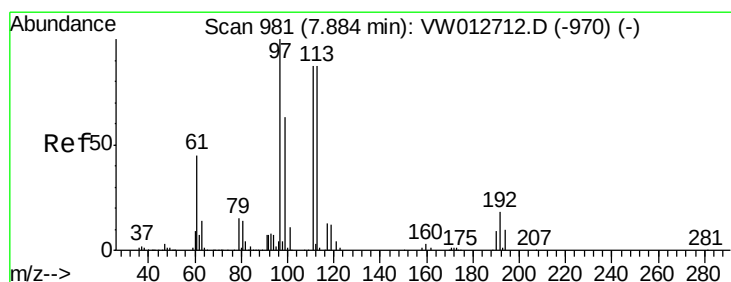
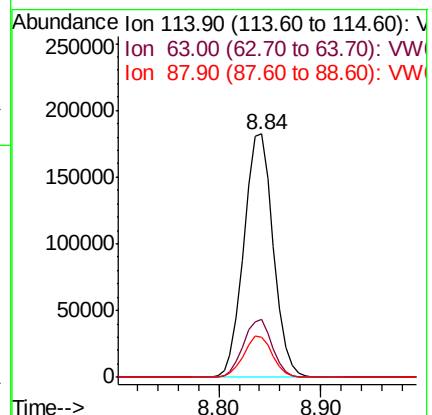
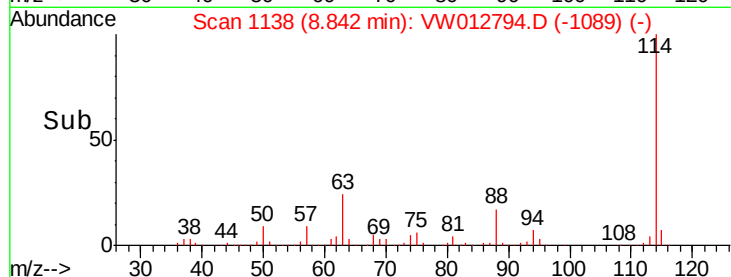
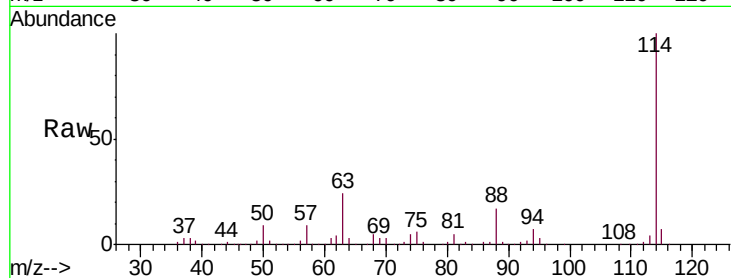
Tgt Ion:114 Resp: 365385

Ion Ratio Lower Upper

114 100

63 23.9 0.0 47.2

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 49.510 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

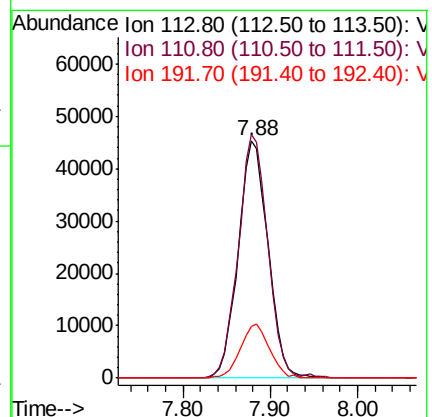
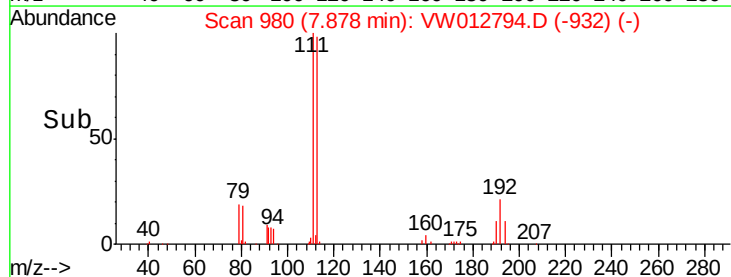
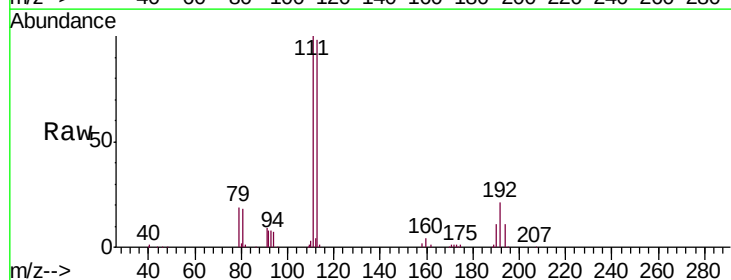
Tgt Ion:113 Resp: 107552

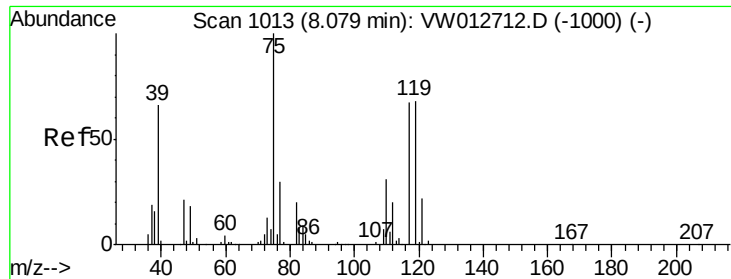
Ion Ratio Lower Upper

113 100

111 100.9 80.2 120.4

192 22.2 17.3 25.9

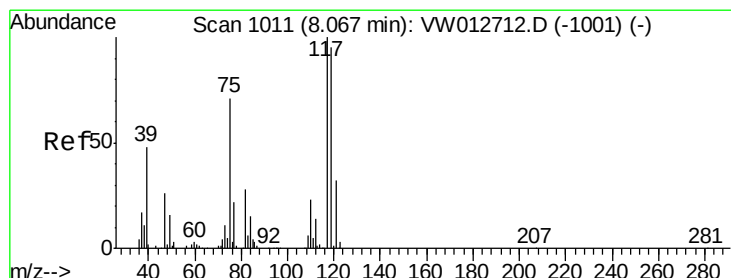
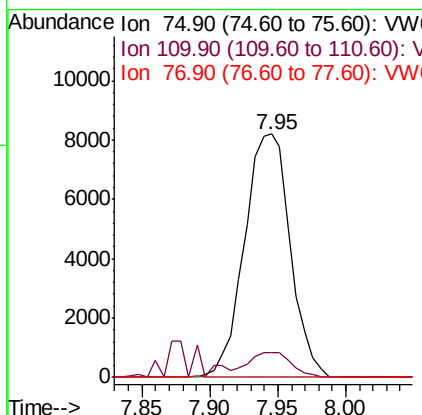
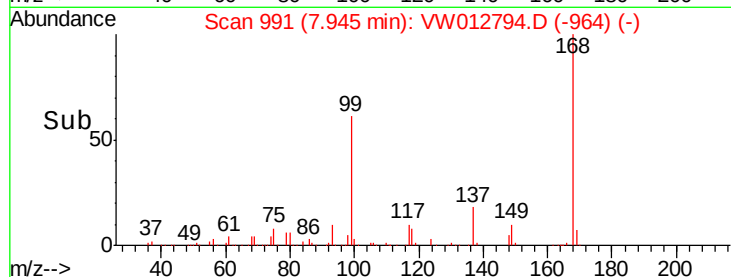
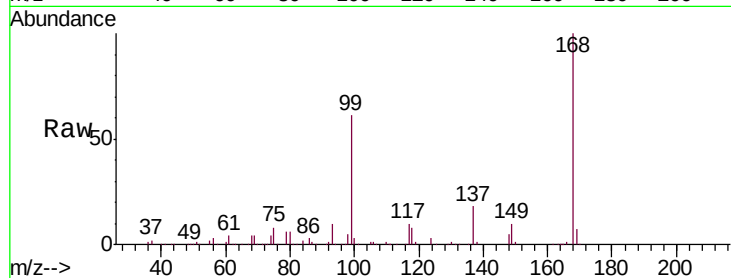




#36
 1,1-Dichloropropene
 Concen: 5.926 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012794.D
 Acq: 09 Sep 2019 02:32

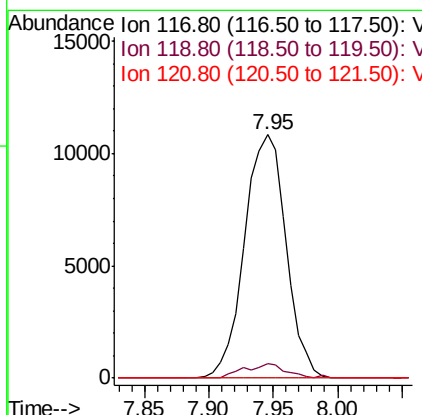
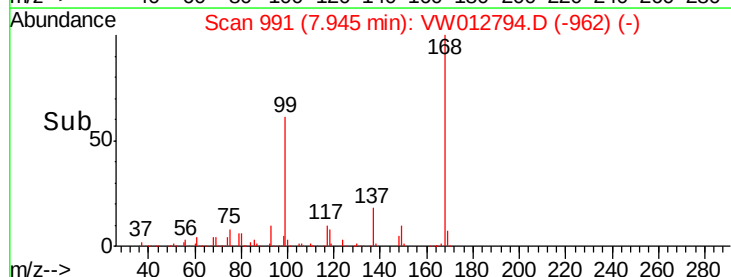
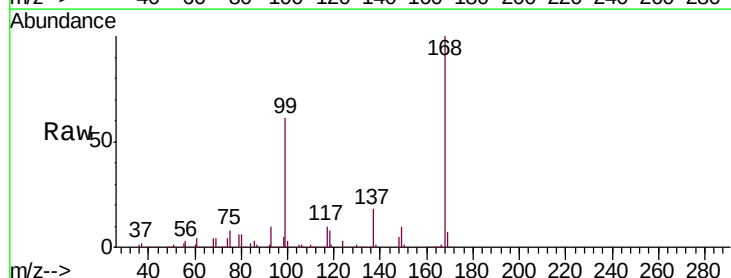
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C2-(4)

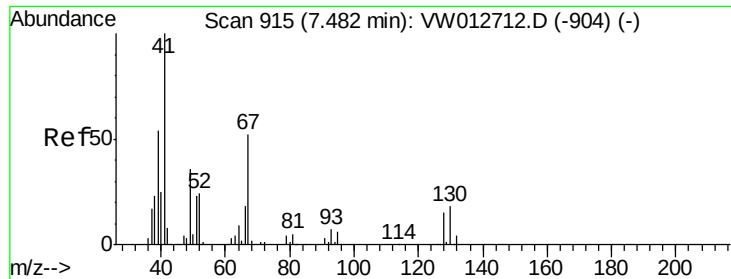
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.552 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012794.D
 Acq: 09 Sep 2019 02:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.2	114.2#
121	0.0	25.4	38.2#

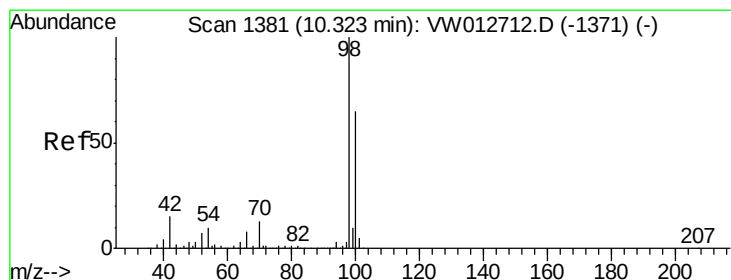
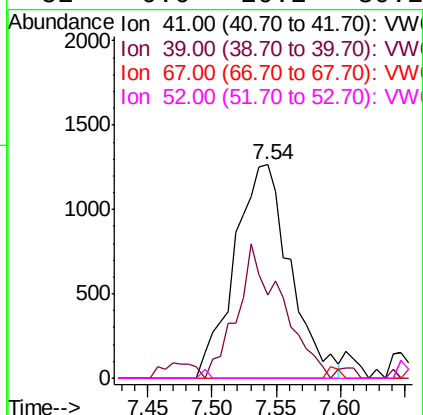
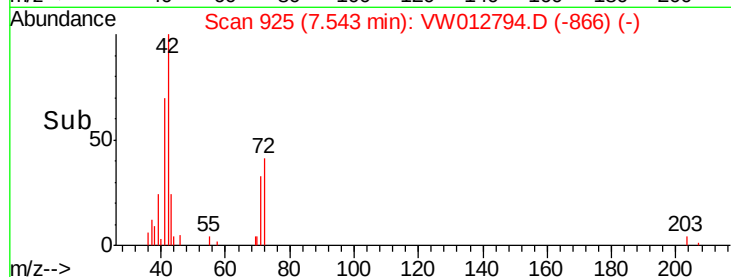
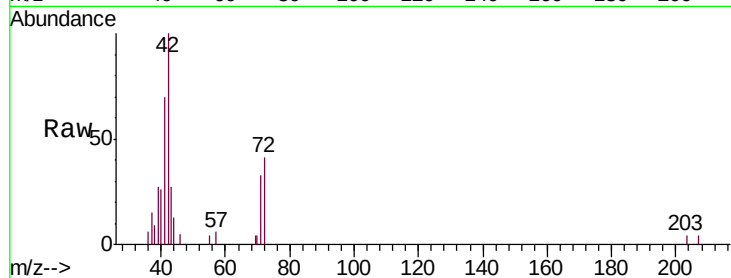




#41
Methacrylonitrile
Concen: 6.327 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012794.D
Acq: 09 Sep 2019 02:32

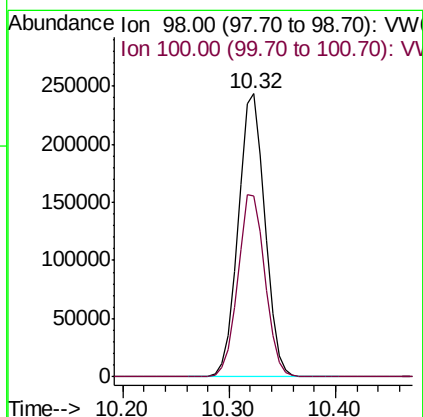
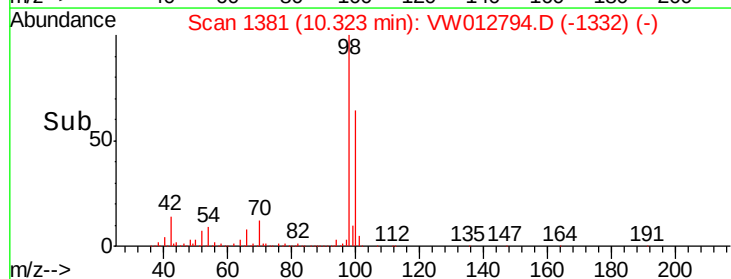
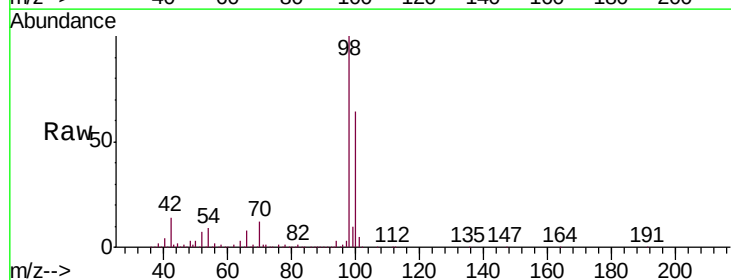
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(4)

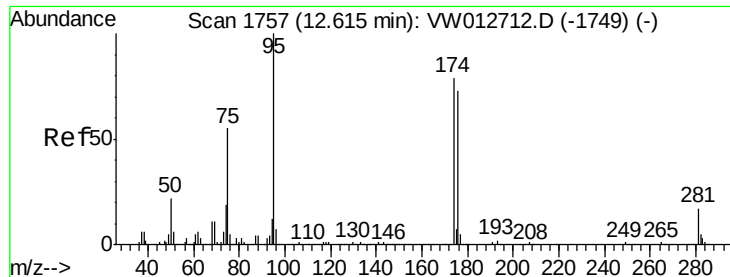
Tgt Ion: 41 Resp: 3792
Ion Ratio Lower Upper
41 100
39 51.0 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 50.442 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012794.D
Acq: 09 Sep 2019 02:32

Tgt Ion: 98 Resp: 429292
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 42.865 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampled :

PAR-11-C2-(4)

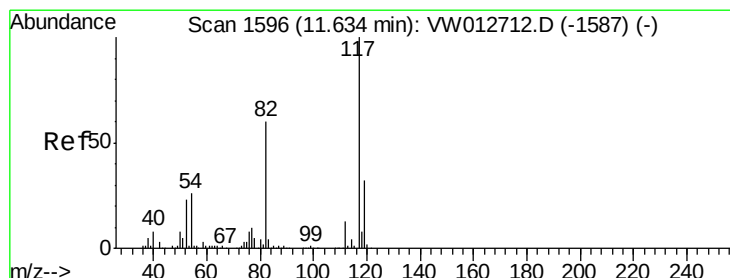
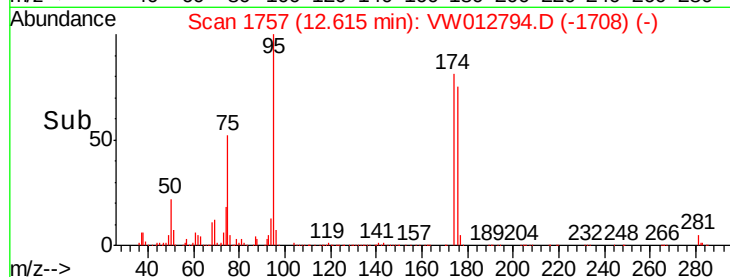
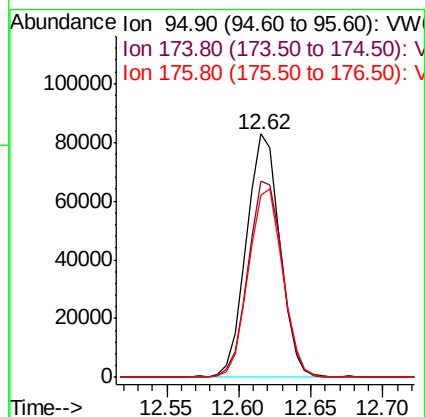
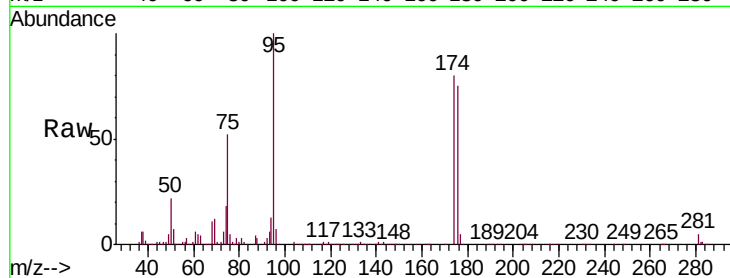
Tgt Ion: 95 Resp: 132438

Ion Ratio Lower Upper

95 100

174 83.3 0.0 161.0

176 79.8 0.0 156.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

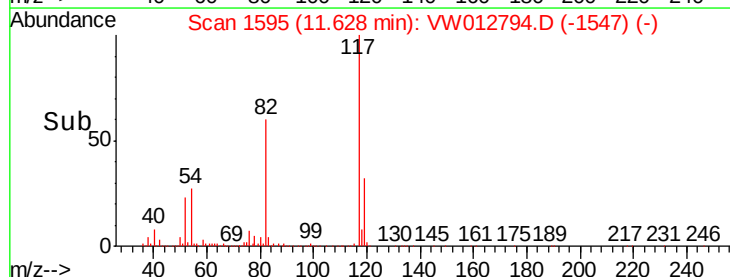
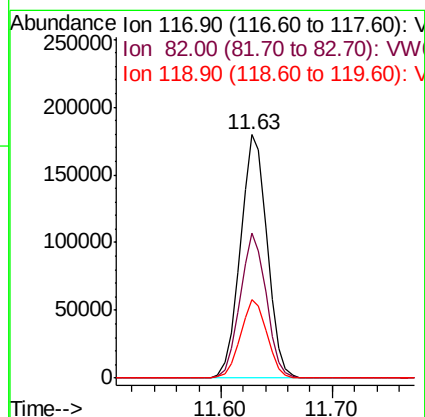
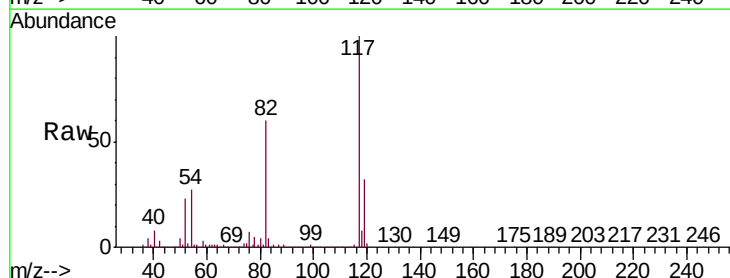
Tgt Ion: 117 Resp: 297768

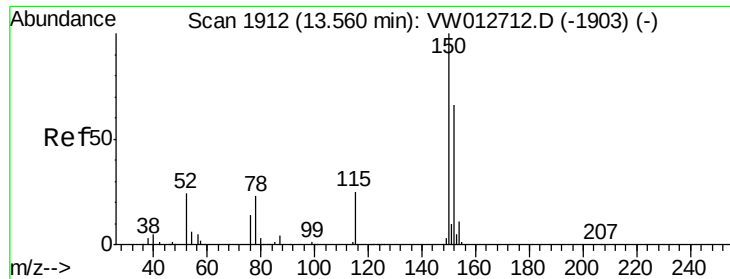
Ion Ratio Lower Upper

117 100

82 59.5 48.2 72.4

119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampled :

PAR-11-C2-(4)

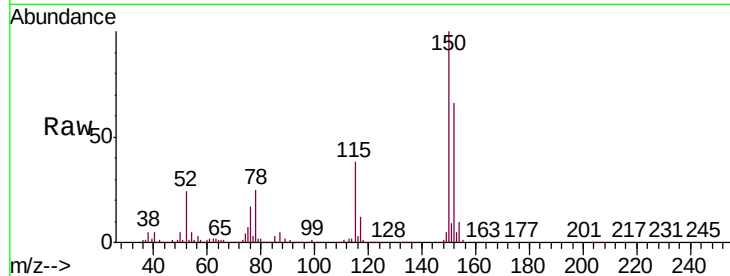
Tgt Ion: 152 Resp: 120412

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.1

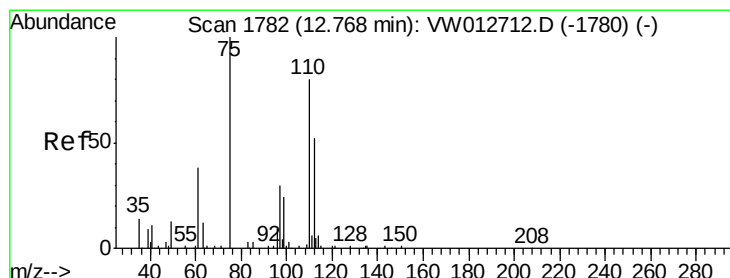
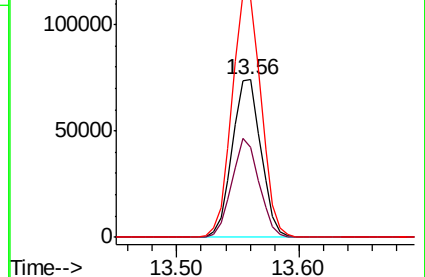
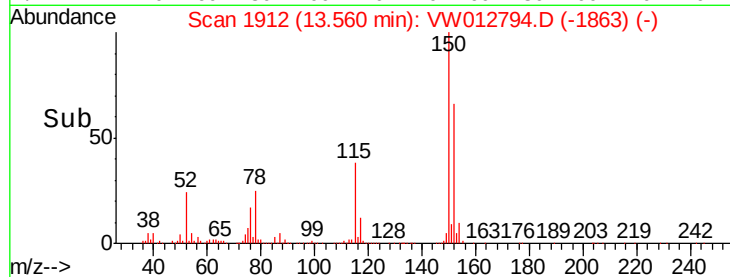
150 155.9 0.0 349.0



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: 58.904 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012794.D

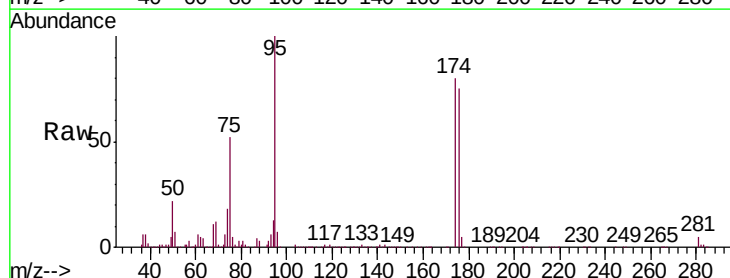
Acq: 09 Sep 2019 02:32

Tgt Ion: 75 Resp: 72527

Ion Ratio Lower Upper

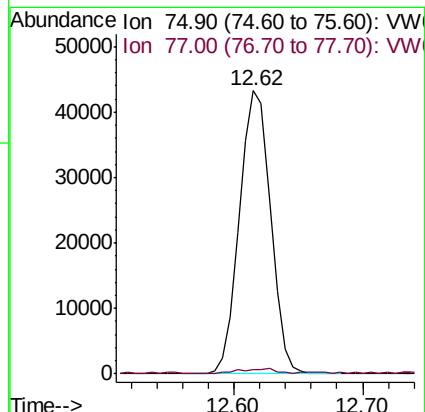
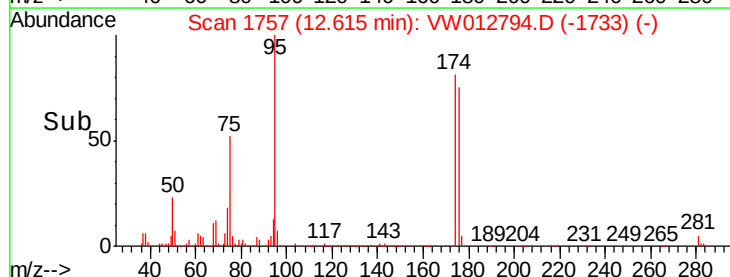
75 100

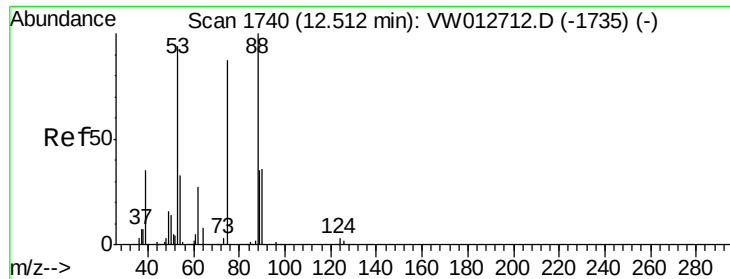
77 1.6 0.0 0.0#



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: 124.587 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(4)

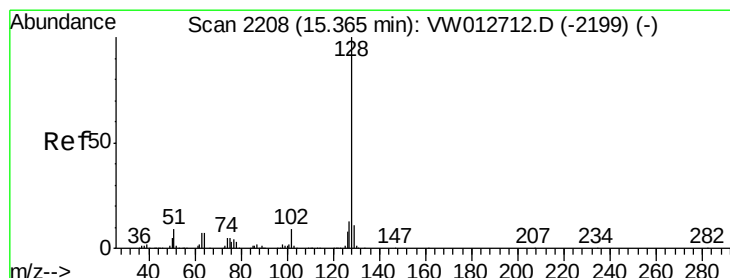
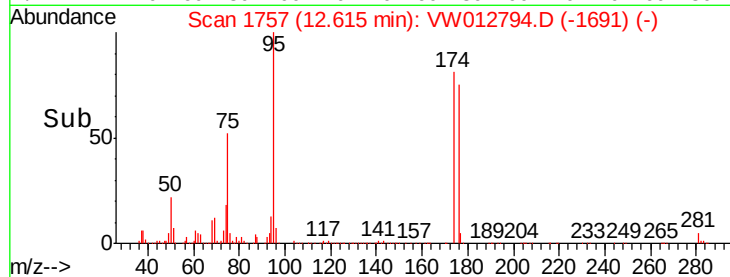
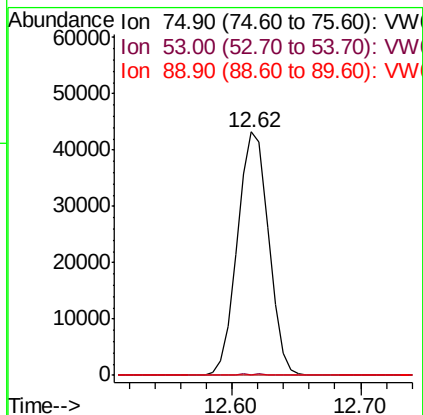
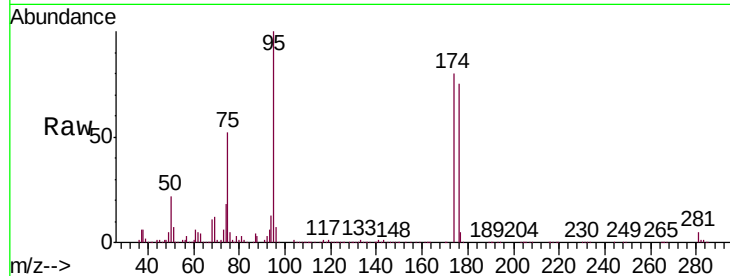
Tgt Ion: 75 Resp: 72527

Ion Ratio Lower Upper

75 100

53 0.5 87.6 131.4#

89 0.0 35.5 53.3#



#95

Naphthalene

Concen: 4.479 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012794.D

Acq: 09 Sep 2019 02:32

Tgt Ion: 128 Resp: 224

Ion Ratio Lower Upper

128 100

127 21.4 10.7 16.1#

129 0.0 8.7 13.1#

