

Data File : VW012790.D
Acq On : 09 Sep 2019 00:49
Operator : SY/VA
Sample : K4623-01
Misc : 5.30G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(0)

Quant Time: Sep 09 06:06:02 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	199293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	290041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	212108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	60274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	114694	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
35) Dibromofluoromethane	7.88	113	93101	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
50) Toluene-d8	10.32	98	338724	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.62	95	80475	32.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.62%	

Target Compounds

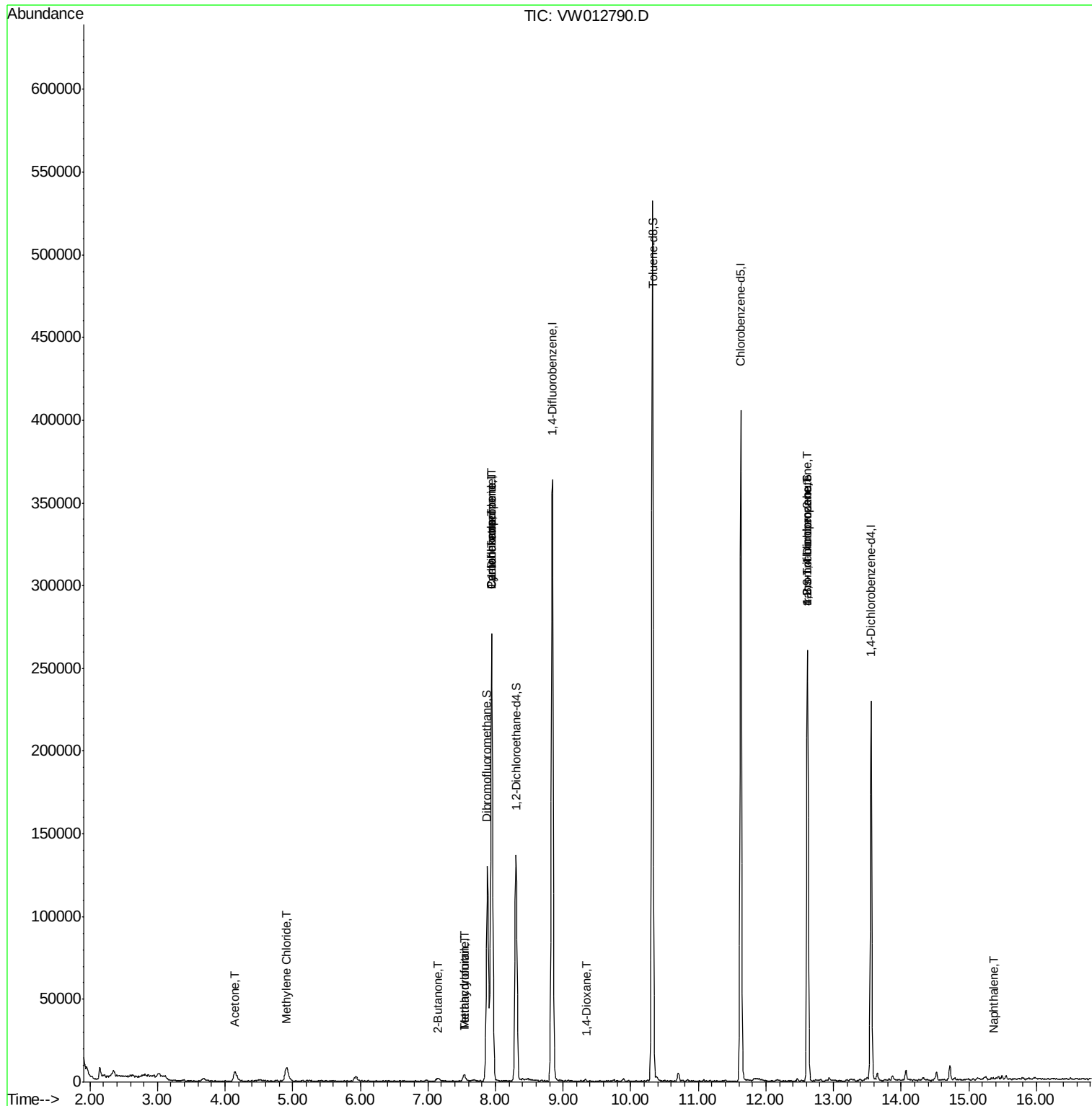
						Qvalue
16) Acetone	4.15	43	12913	21.271	ug/l	93
20) Methylene Chloride	4.90	84	3201	1.685	ug/l	87
25) 2-Butanone	7.16	43	144	19.829	ug/l #	53
29) Tetrahydrofuran	7.53	42	3422	6.980	ug/l	93
31) Cyclohexane	7.95	56	4557	1.392	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15696	6.091	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19846	7.812	ug/l #	18
41) Methacrylonitrile	7.54	41	2105	5.579	ug/l #	60
49) 1,4-Dioxane	9.35	88	29	1.563	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	43405	70.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43405	148.954	ug/l #	6
95) Naphthalene	15.36	128	772	4.717	ug/l #	87

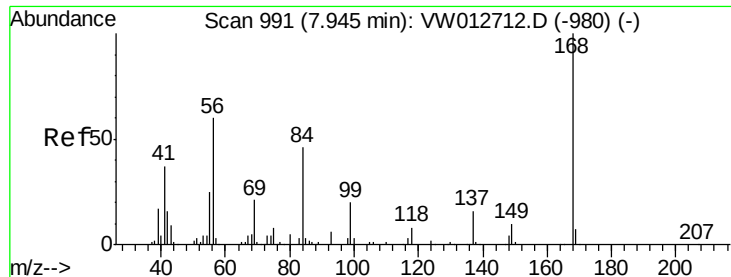
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

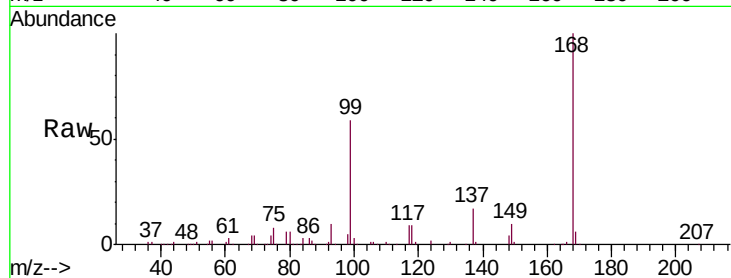
PAR-11-C2-(0)

Tgt Ion:168 Resp: 199293

Ion Ratio Lower Upper

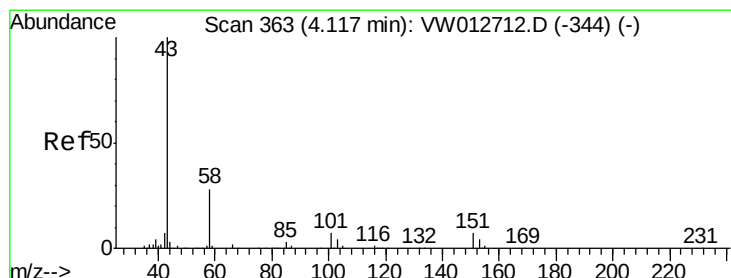
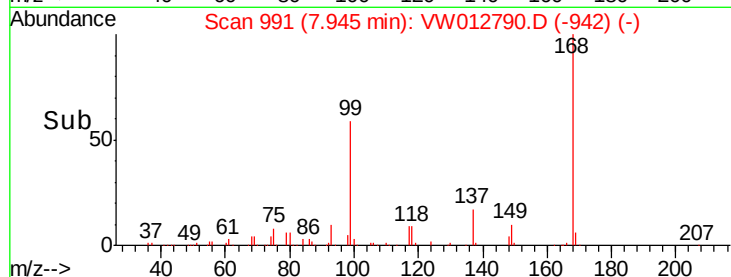
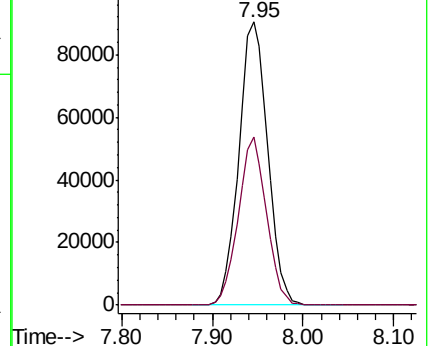
168 100

99 59.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 21.271 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW012790.D

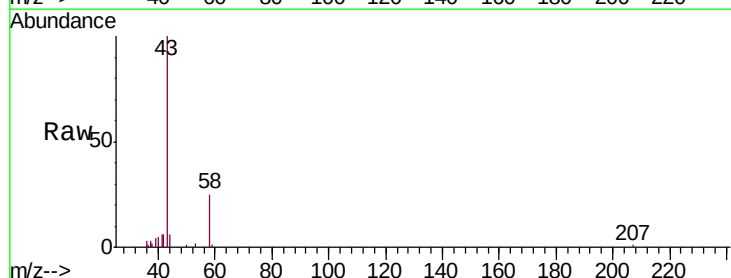
Acq: 09 Sep 2019 00:49

Tgt Ion: 43 Resp: 12913

Ion Ratio Lower Upper

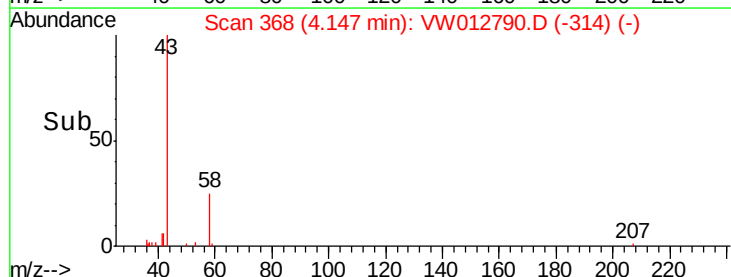
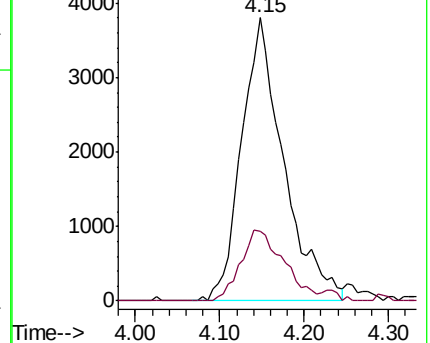
43 100

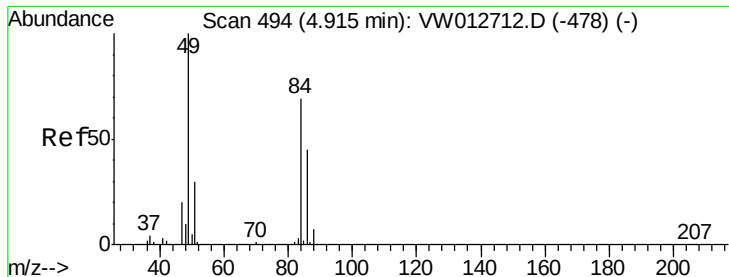
58 24.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.685 ug/l

RT: 4.90 min Scan# 491

Delta R.T. -0.02 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(0)

Tgt Ion: 84 Resp: 3201

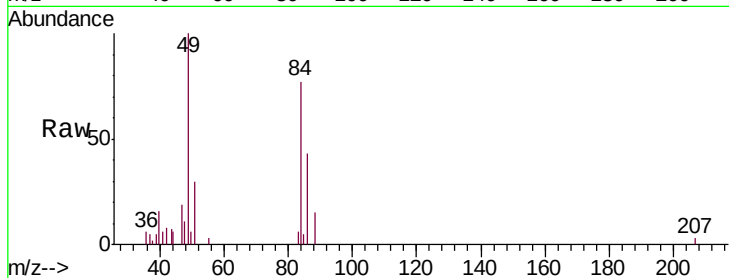
Ion Ratio Lower Upper

84 100

49 124.7 115.4 173.0

51 38.2 34.9 52.3

86 56.1 52.2 78.4

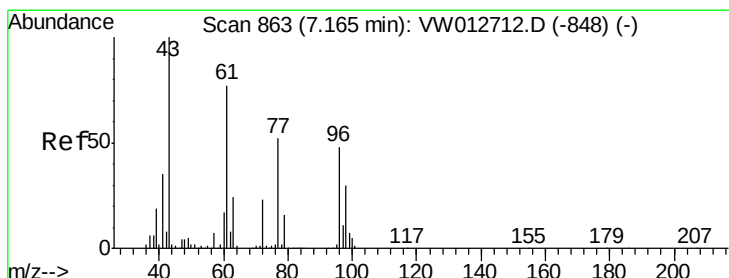
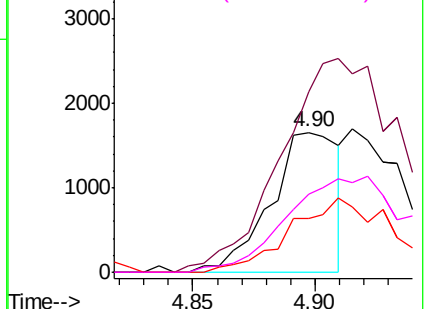
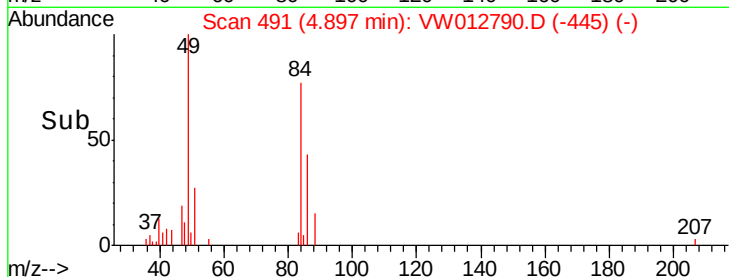


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.829 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012790.D

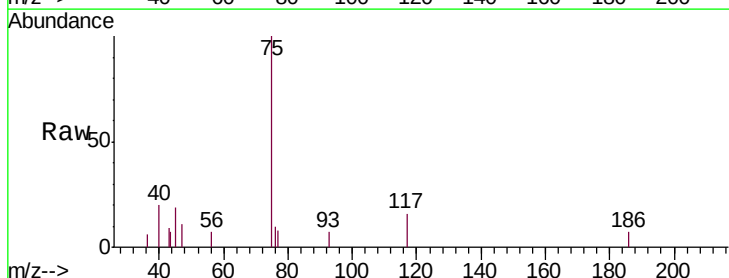
Acq: 09 Sep 2019 00:49

Tgt Ion: 43 Resp: 144

Ion Ratio Lower Upper

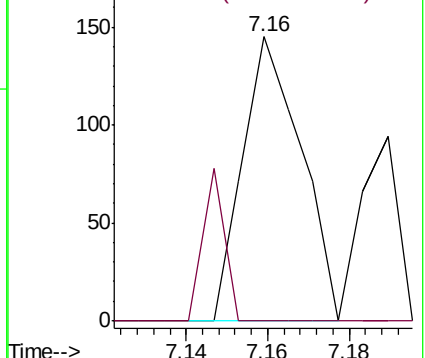
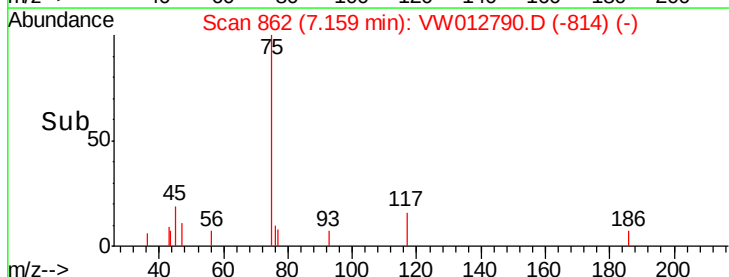
43 100

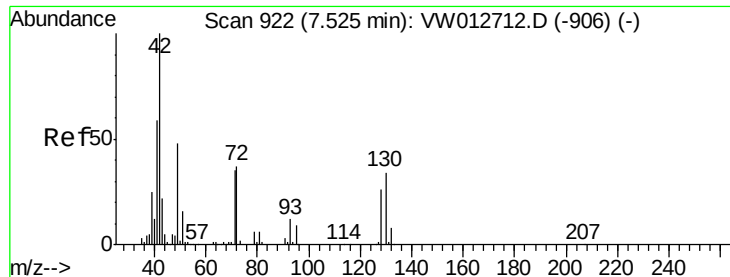
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 6.980 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(0)

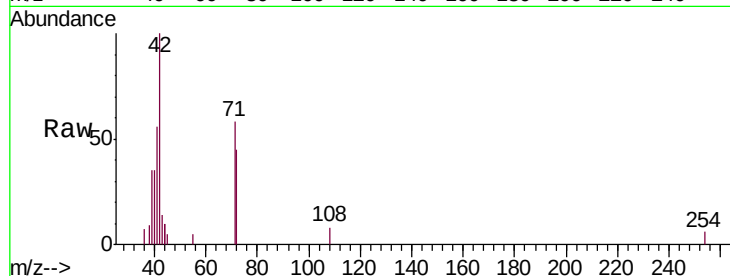
Tgt Ion: 42 Resp: 3422

Ion Ratio Lower Upper

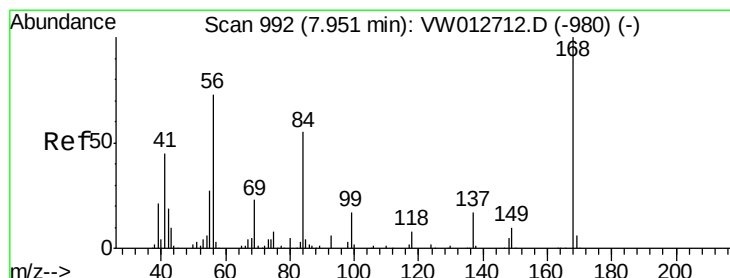
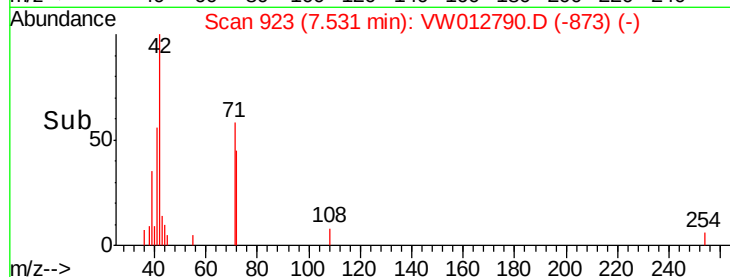
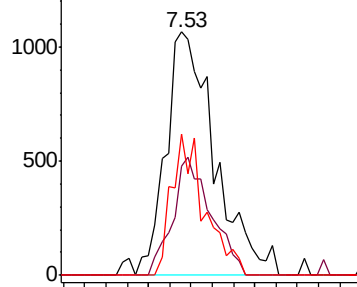
42 100

72 38.1 28.4 42.6

71 39.6 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: 1.392 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

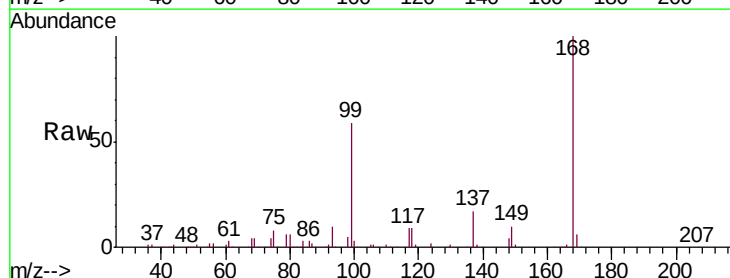
Tgt Ion: 56 Resp: 4557

Ion Ratio Lower Upper

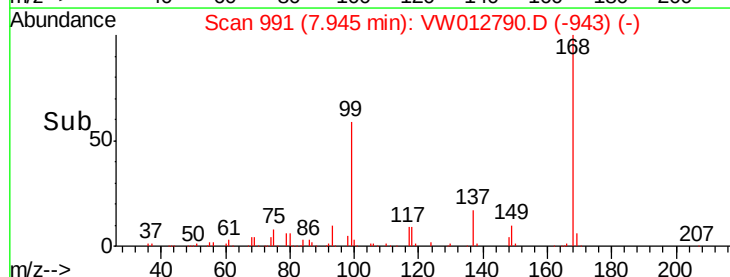
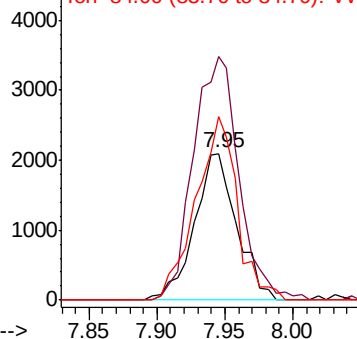
56 100

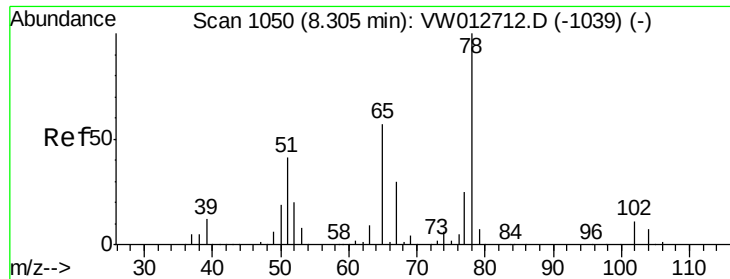
69 166.4 25.7 38.5#

84 125.3 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

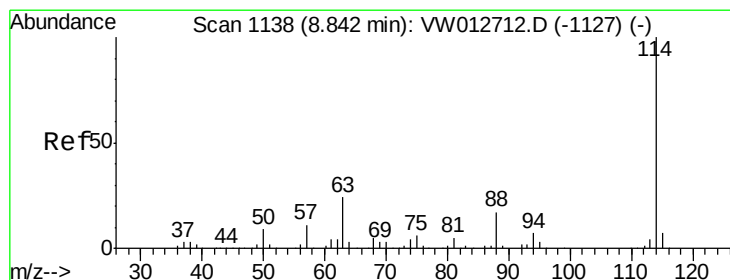
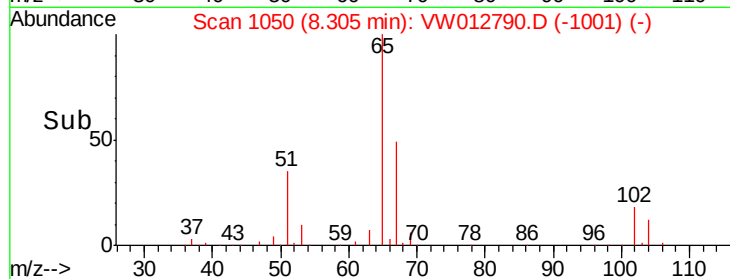
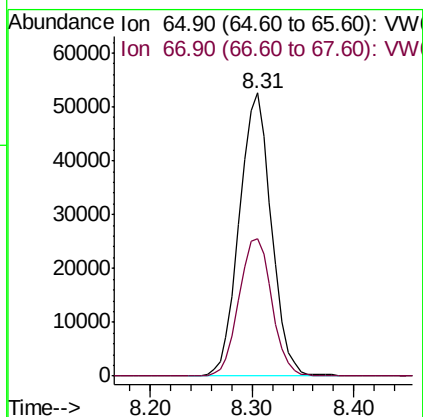
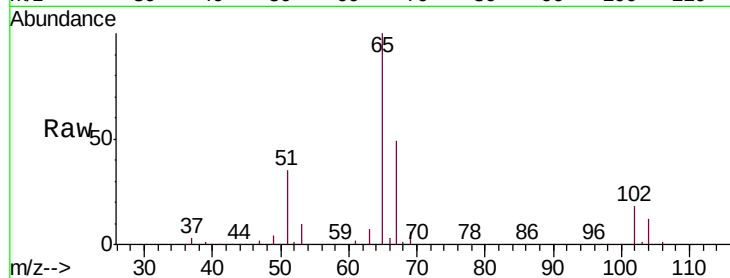




#33
 1,2-Dichloroethane-d4
 Concen: 51.507 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012790.D
 Acq: 09 Sep 2019 00:49

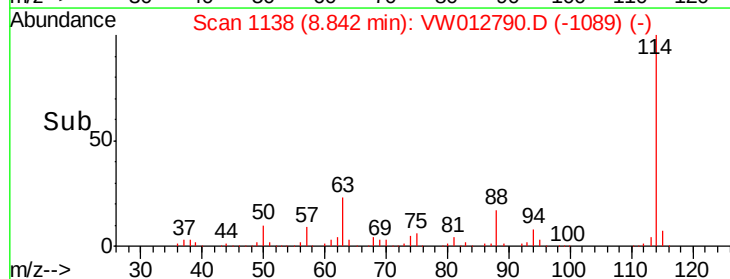
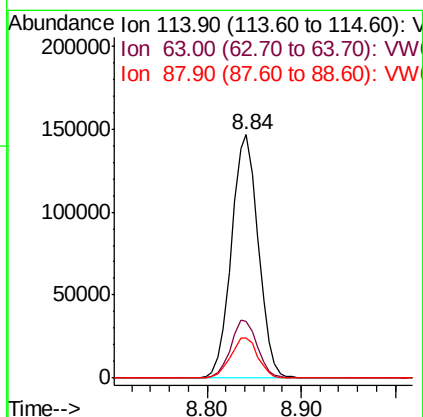
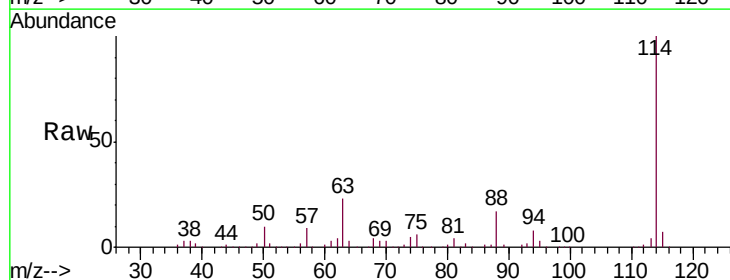
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C2-(0)

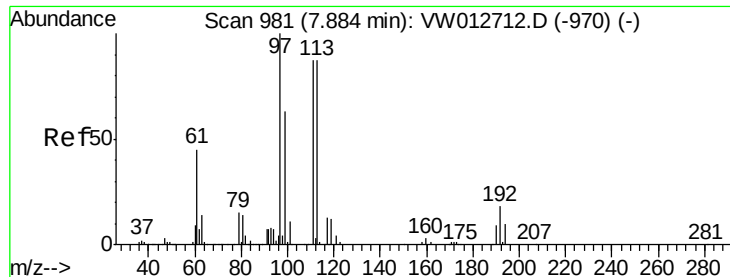
Tgt Ion: 65 Resp: 114694
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012790.D
 Acq: 09 Sep 2019 00:49

Tgt Ion: 114 Resp: 290041
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.6 0.0 34.0

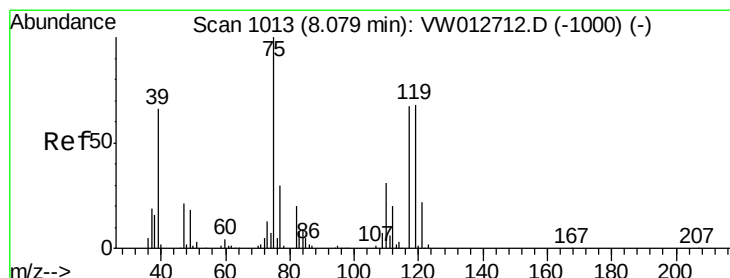
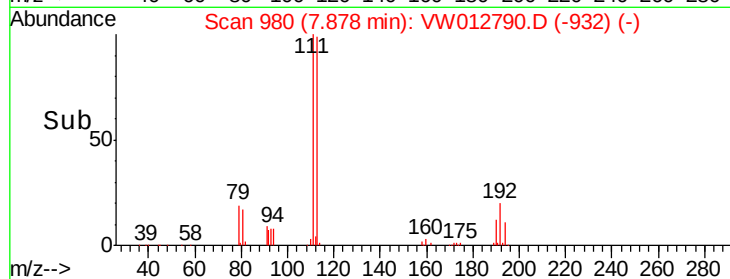
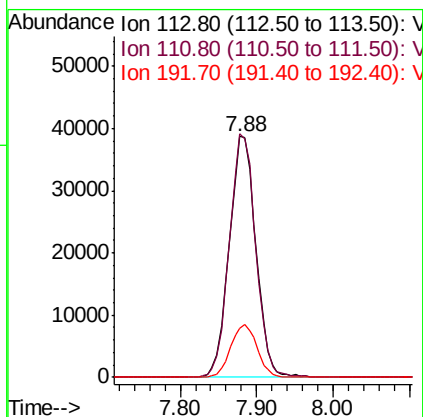
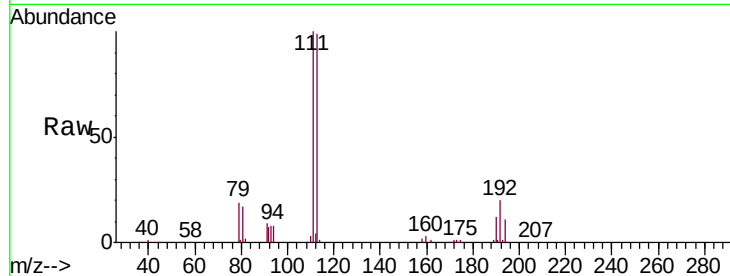




#35
 Dibromofluoromethane
 Concen: 53.991 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012790.D
 Acq: 09 Sep 2019 00:49

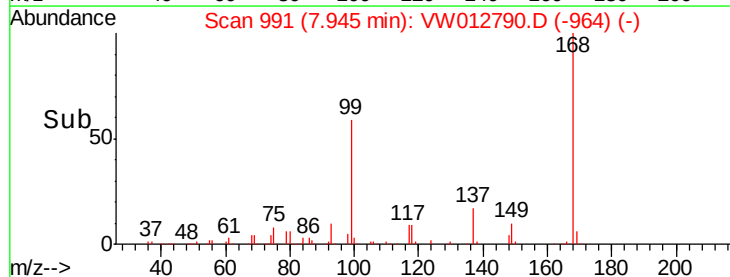
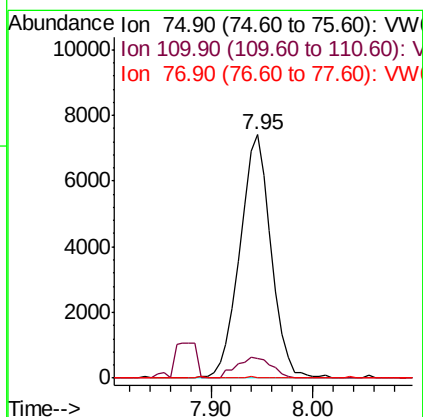
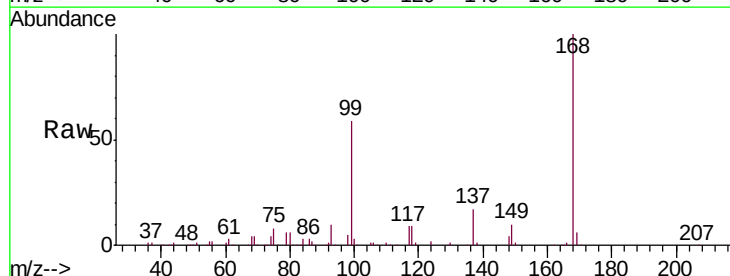
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C2-(0)

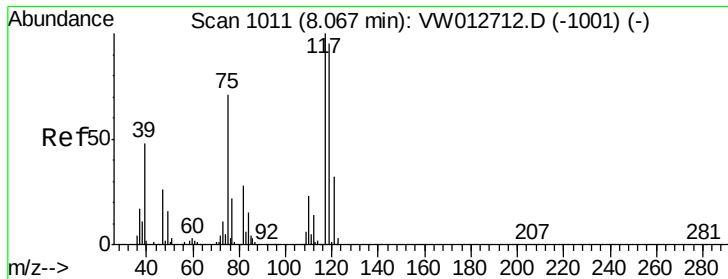
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.2	120.4
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 6.091 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012790.D
 Acq: 09 Sep 2019 00:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	15.9	47.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 7.812 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(0)

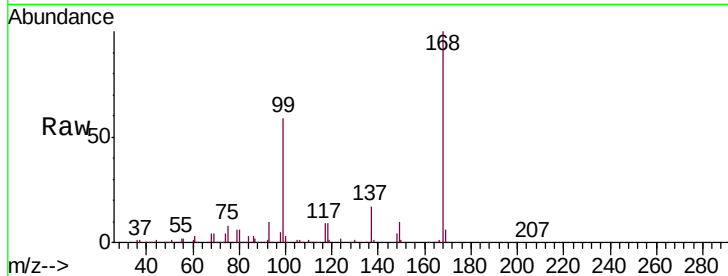
Tgt Ion: 117 Resp: 19846

Ion Ratio Lower Upper

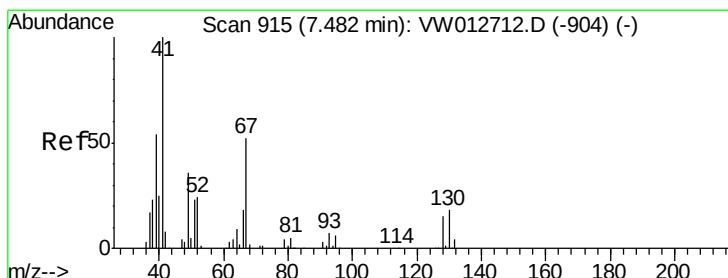
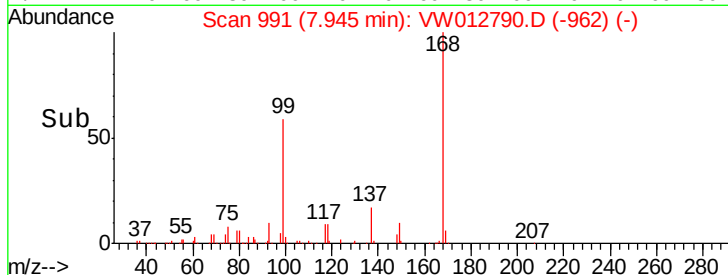
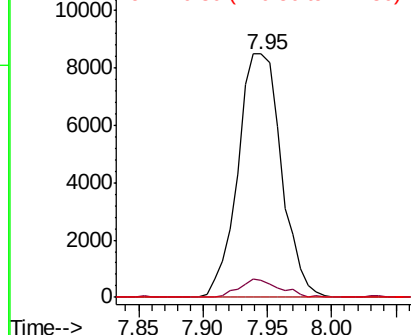
117 100

119 7.0 76.2 114.2#

121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 5.579 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Tgt Ion: 41 Resp: 2105

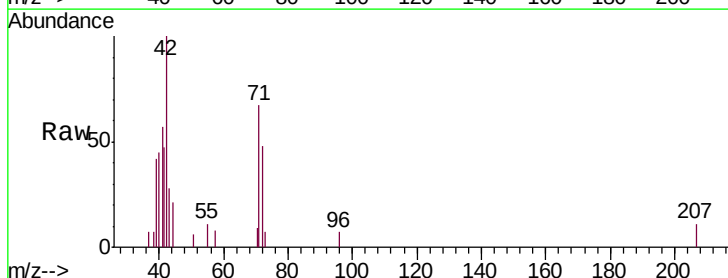
Ion Ratio Lower Upper

41 100

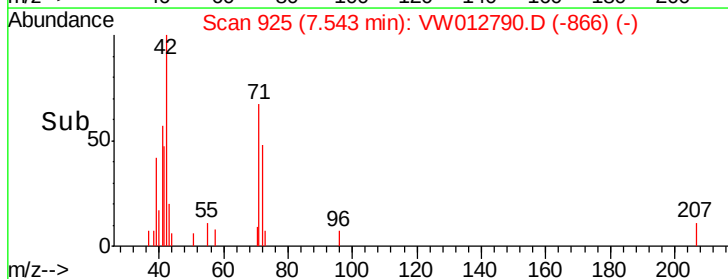
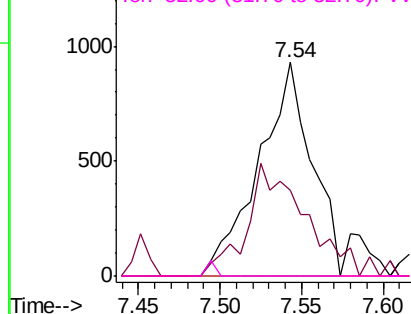
39 60.2 47.5 71.3

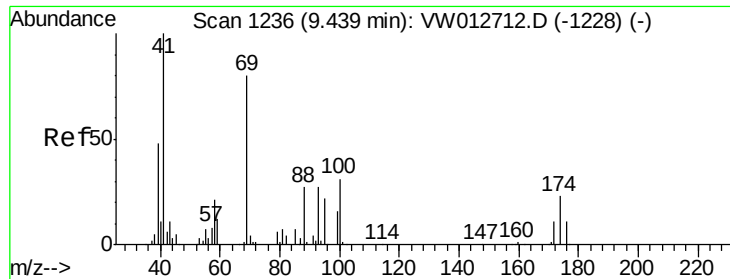
67 0.0 45.1 67.7#

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

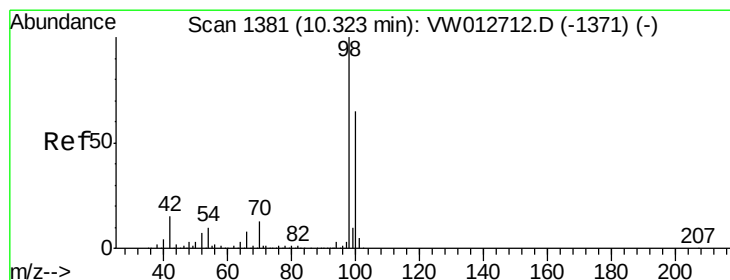
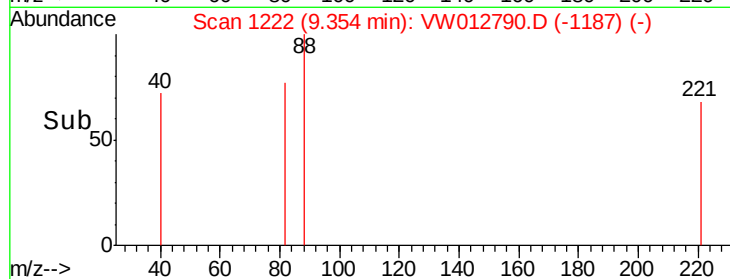
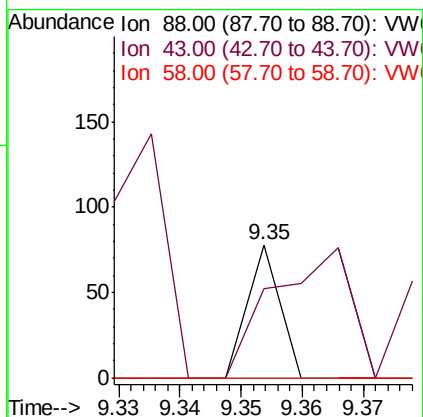
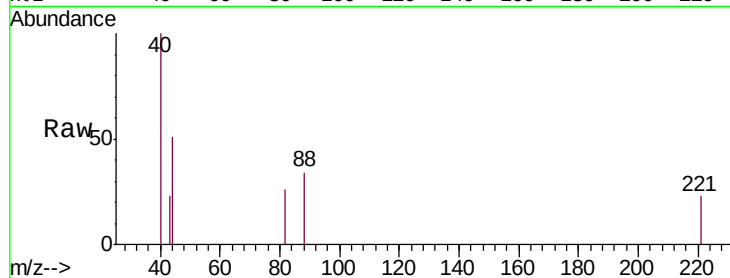




#49
1,4-Dioxane
Concen: 1.563 ug/l
RT: 9.35 min Scan# 1222
Delta R.T. -0.09 min
Lab File: VW012790.D
Acq: 09 Sep 2019 00:49

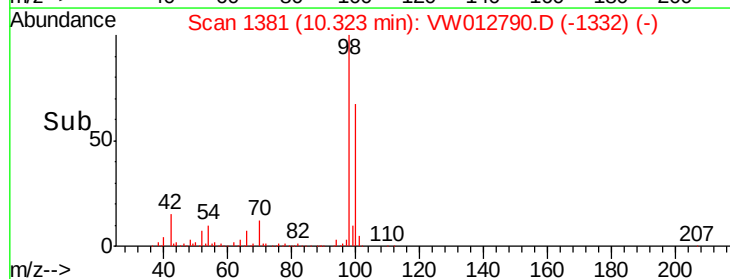
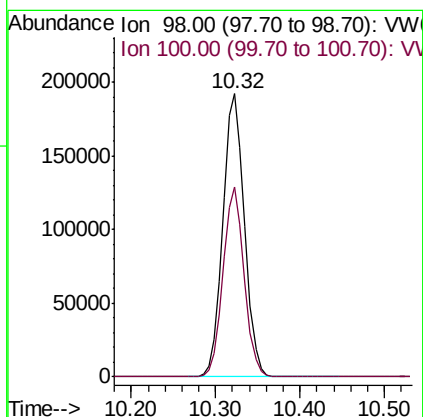
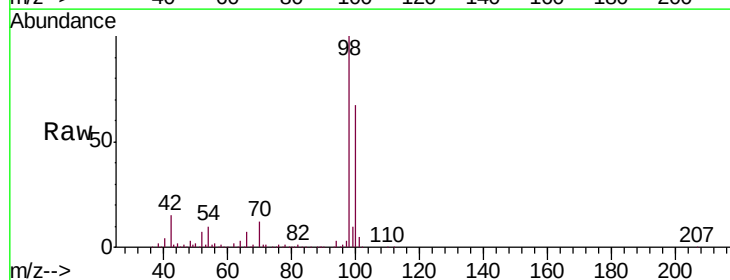
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(0)

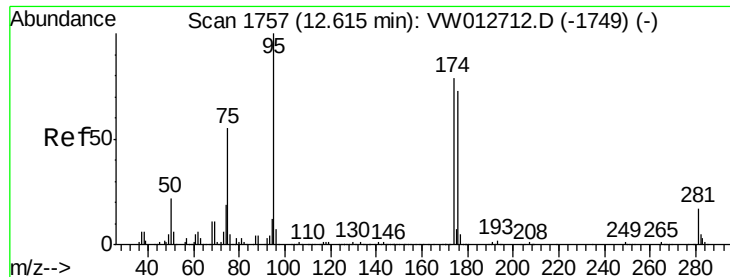
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 303.4 34.8 52.2#
58 0.0 64.1 96.1#



#50
Toluene-d8
Concen: 50.139 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012790.D
Acq: 09 Sep 2019 00:49

Tgt Ion: 98 Resp: 338724
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 32.813 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(0)

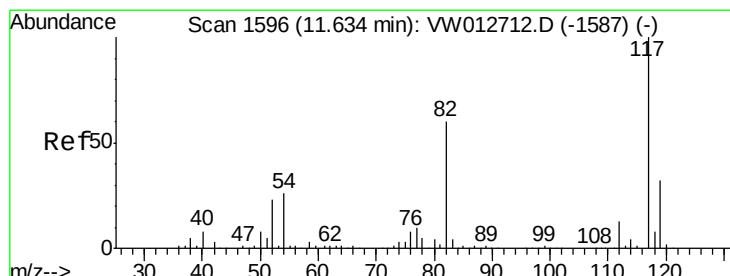
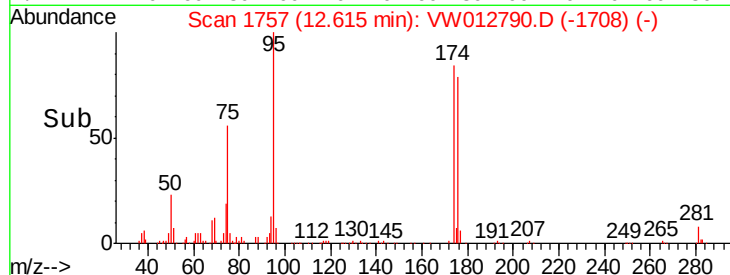
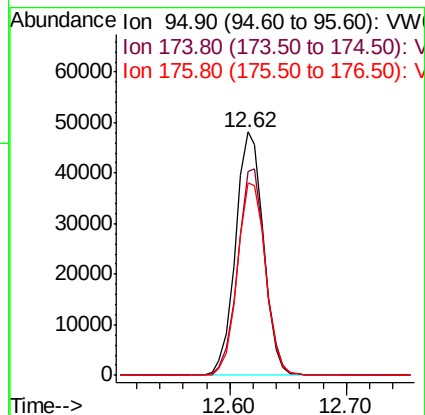
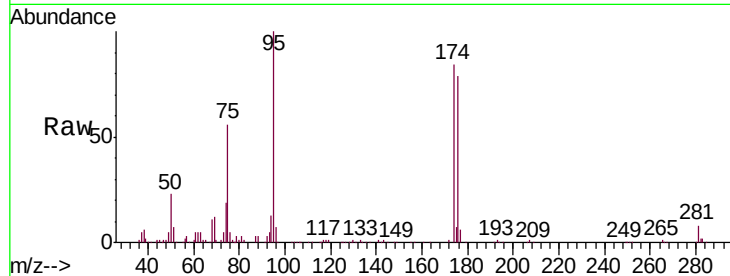
Tgt Ion: 95 Resp: 80475

Ion Ratio Lower Upper

95 100

174 83.6 0.0 161.0

176 79.6 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: VW012790.D

Acq: 09 Sep 2019 00:49

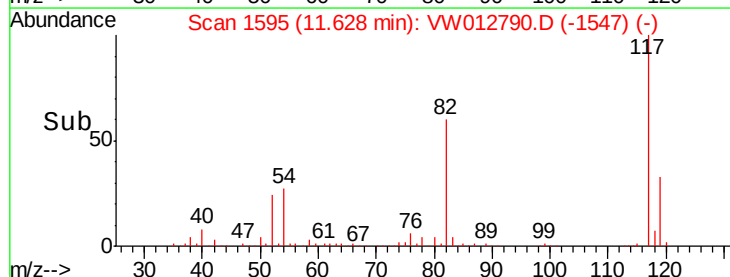
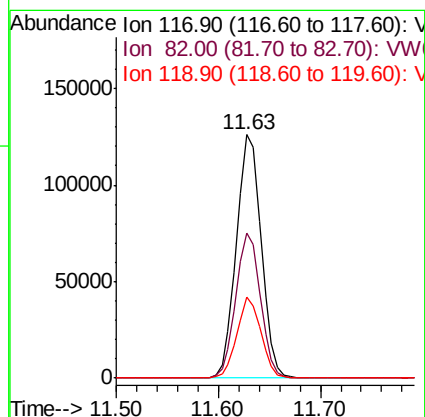
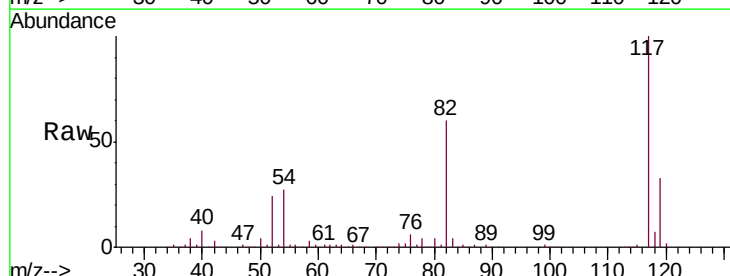
Tgt Ion: 117 Resp: 212108

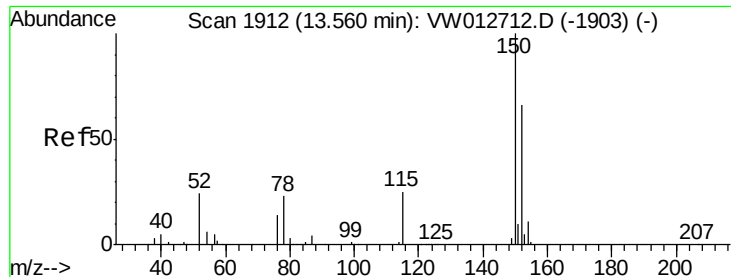
Ion Ratio Lower Upper

117 100

82 59.6 48.2 72.4

119 33.2 25.8 38.6



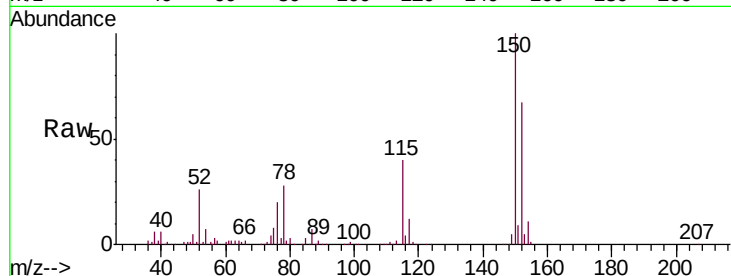


#72

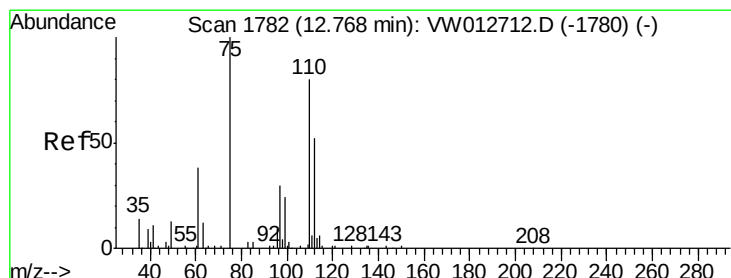
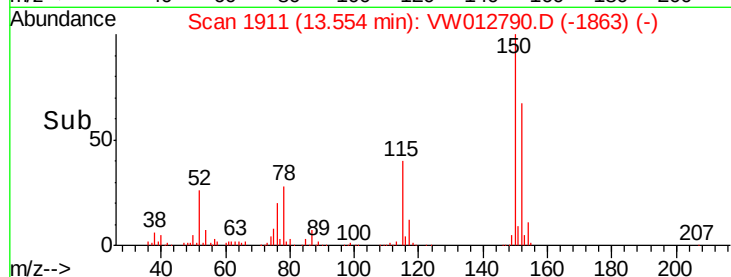
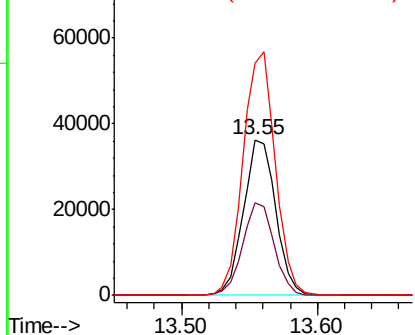
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012790.D
Acq: 09 Sep 2019 00:49

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C2-(0)

Tgt Ion:152 Resp: 60274
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.1
150 155.8 0.0 349.0



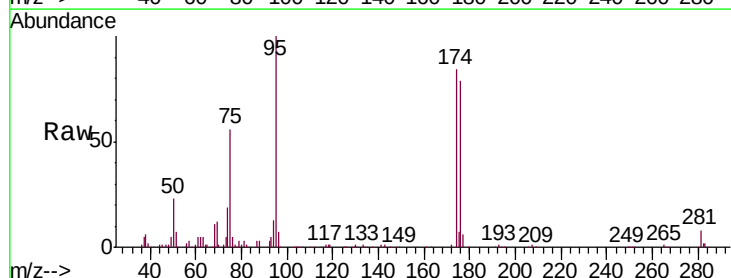
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



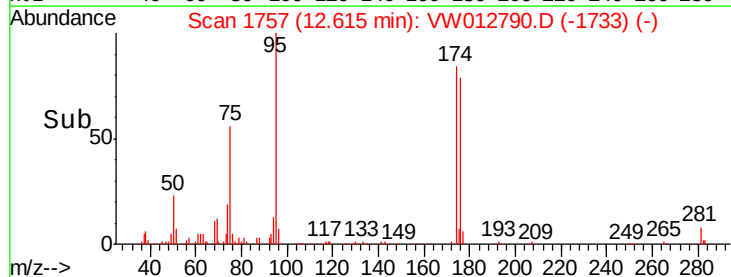
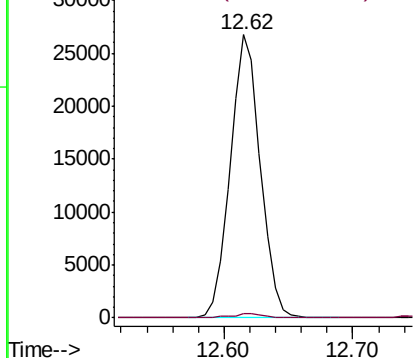
#76

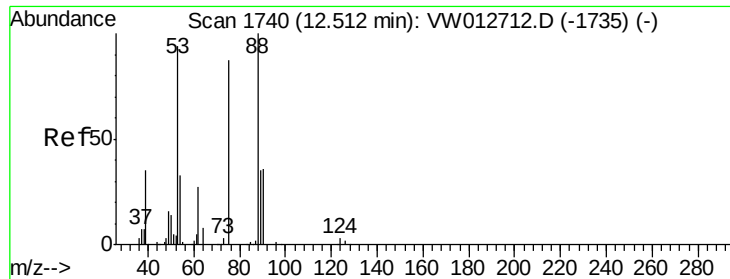
1,2,3-Trichloropropane
Concen: 70.425 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012790.D
Acq: 09 Sep 2019 00:49

Tgt Ion: 75 Resp: 43405
Ion Ratio Lower Upper
75 100
77 1.5 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: 148.954 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C2-(0)

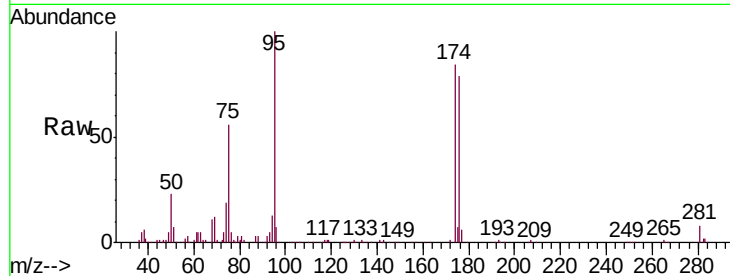
Tgt Ion: 75 Resp: 43405

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

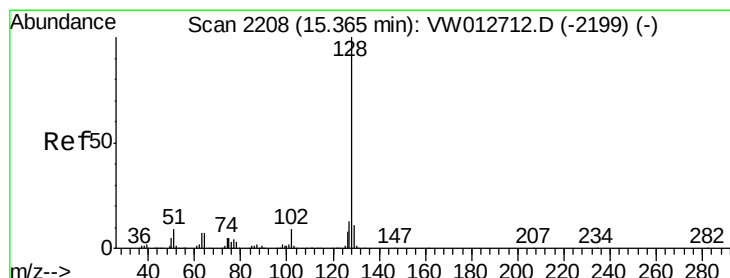
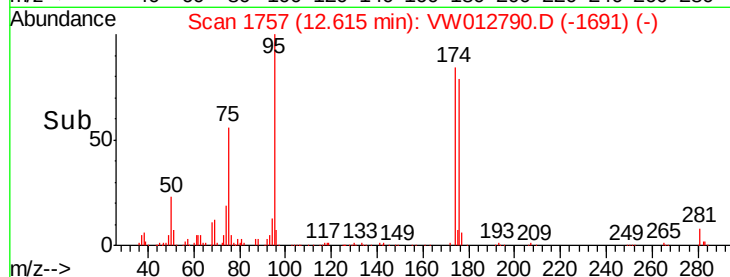
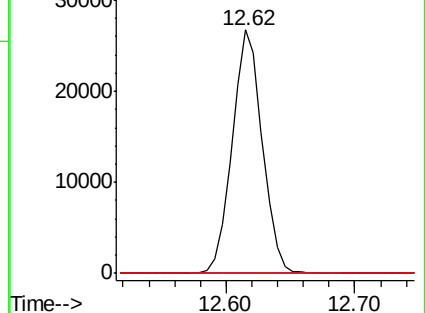
89 0.1 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.717 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012790.D

Acq: 09 Sep 2019 00:49

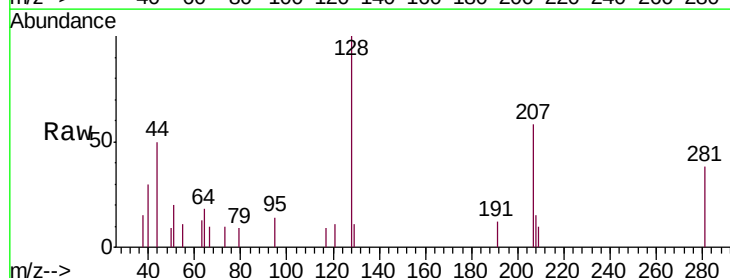
Tgt Ion: 128 Resp: 772

Ion Ratio Lower Upper

128 100

127 7.6 10.7 16.1#

129 6.2 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

