

Data File : VW012797.D
Acq On : 09 Sep 2019 03:50
Operator : SY/VA
Sample : K4623-09
Misc : 5.37G/5ML/MSVOA_W/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D1-(0)

Quant Time: Sep 09 06:08:06 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	218549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	330840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	95734	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126524	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.88	113	97745	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.32	98	390757	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	117288	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	

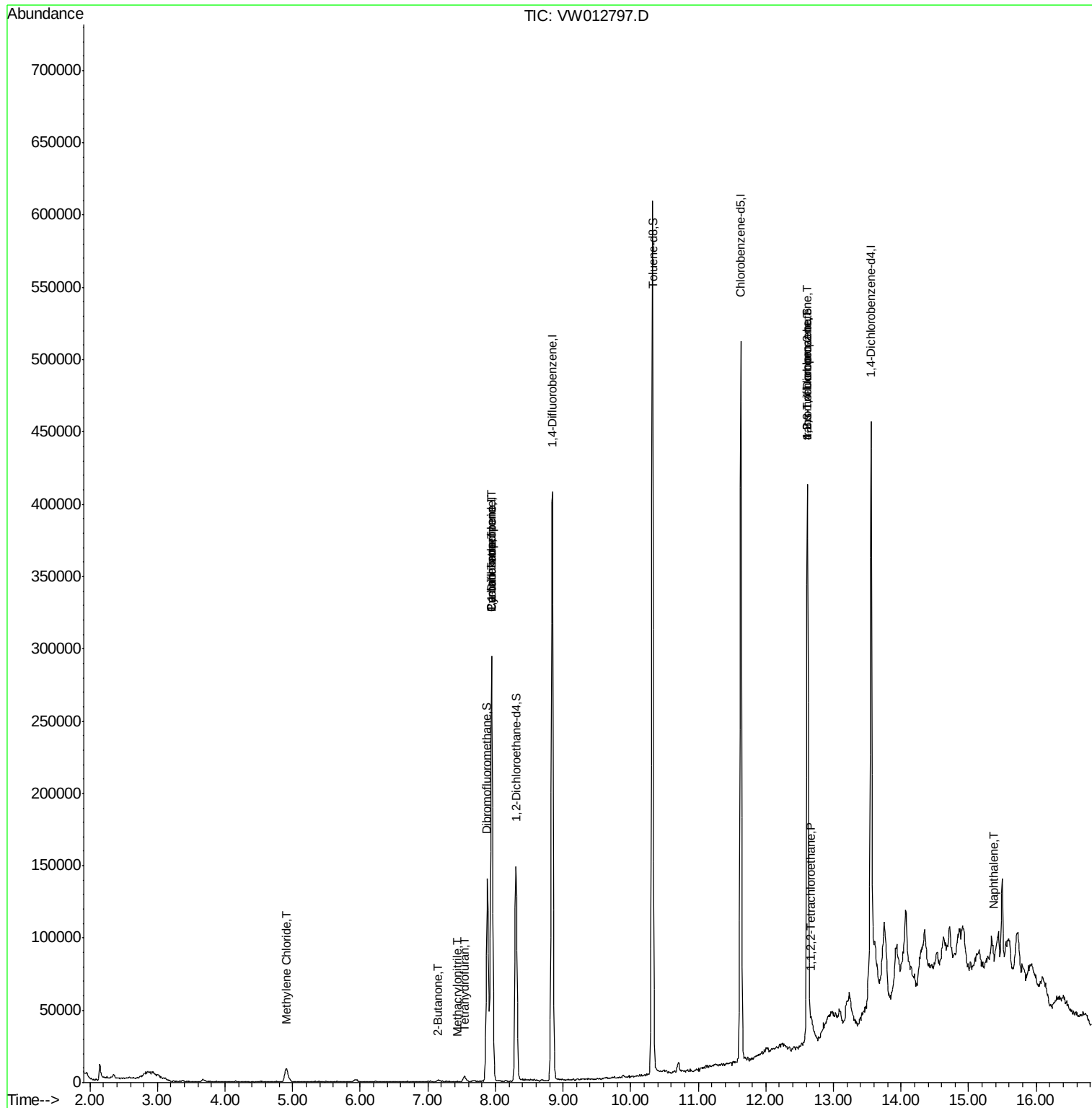
Target Compounds				Qvalue		
20) Methylene Chloride	4.90	84	6998	3.360	ug/l #	90
25) 2-Butanone	7.15	43	66	19.742	ug/l #	53
29) Tetrahydrofuran	7.54	42	3755	6.985	ug/l	92
31) Cyclohexane	7.95	56	5027	1.400	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17365	5.907	ug/l #	52
38) Carbon Tetrachloride	7.94	117	21450	7.402	ug/l #	16
41) Methacrylonitrile	7.44	41	117	3.924	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.67	83	1459	1.058	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	61769	63.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61769	133.459	ug/l #	7
95) Naphthalene	15.37	128	768	4.613	ug/l #	74

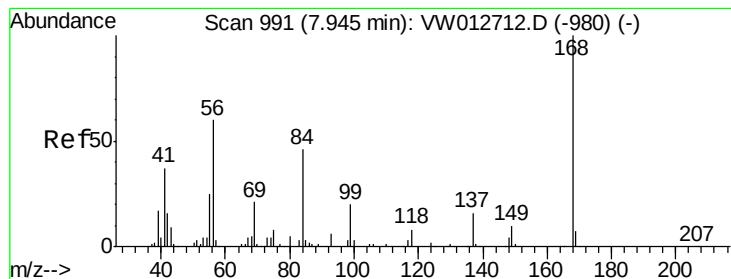
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012797.D

Acq: 09 Sep 2019 03:50

Instrument :

MSVOA_W

ClientSampleId :

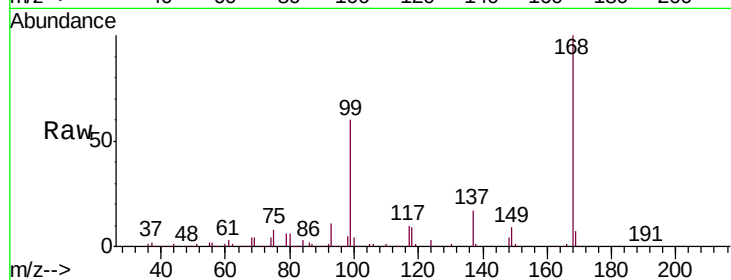
PAR-11-D1-(0)

Tgt Ion:168 Resp: 218549

Ion Ratio Lower Upper

168 100

99 60.0 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

80000

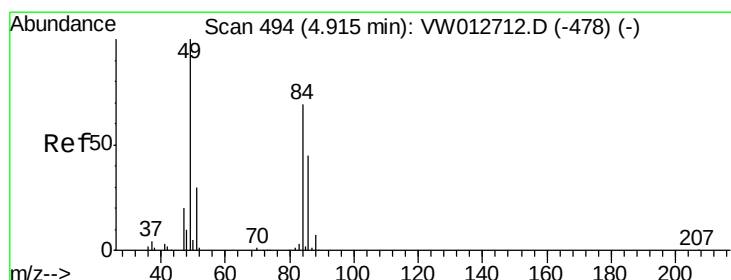
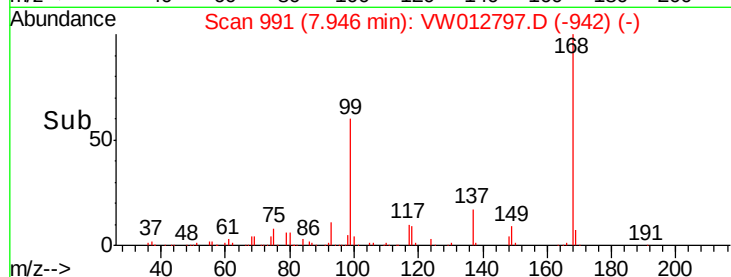
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 3.360 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

Tgt Ion: 84 Resp: 6998

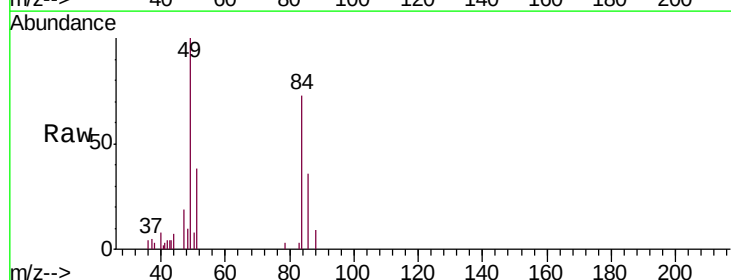
Ion Ratio Lower Upper

84 100

49 137.7 115.4 173.0

51 51.7 34.9 52.3

86 49.1 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

4000

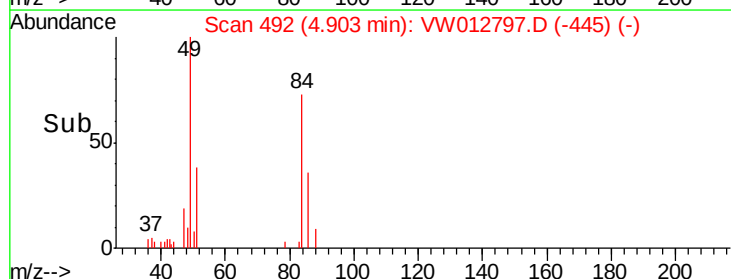
3000

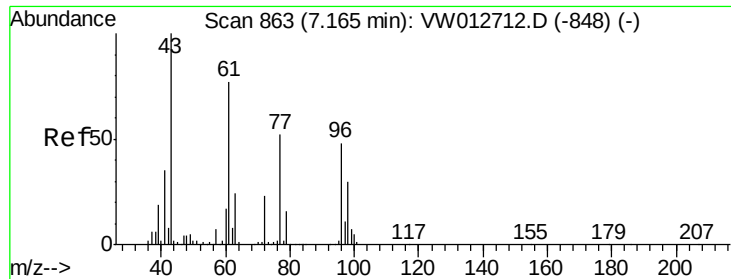
2000

1000

0

Time--> 4.80 4.90 5.00





#25

2-Butanone

Concen: 19.742 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

Instrument :

MSVOA_W

ClientSampleId :

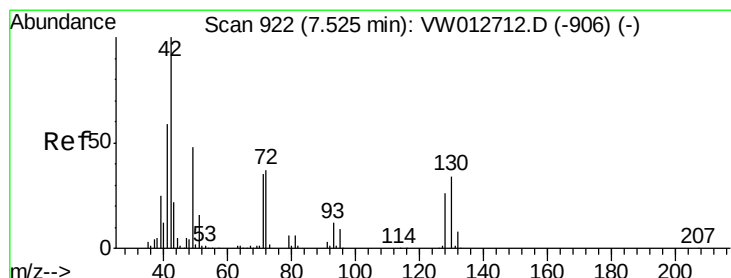
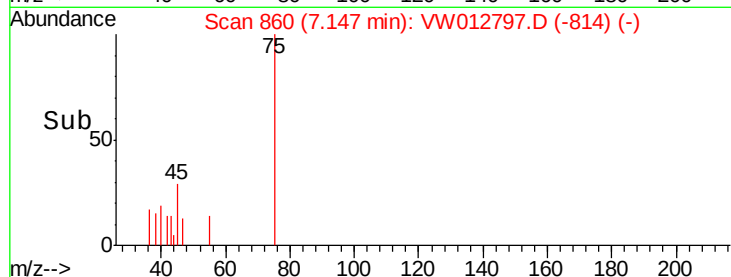
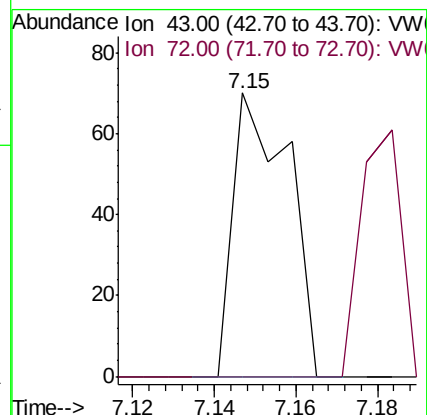
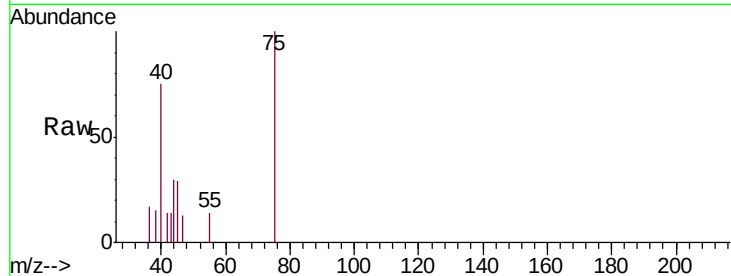
PAR-11-D1-(0)

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.985 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

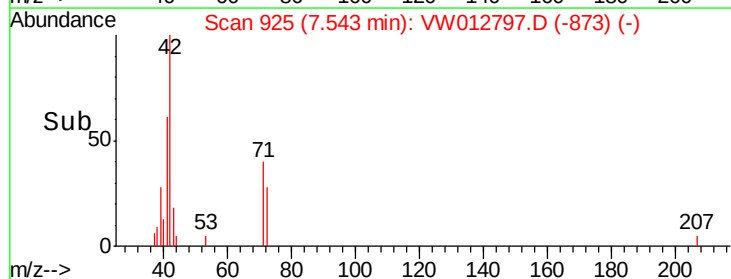
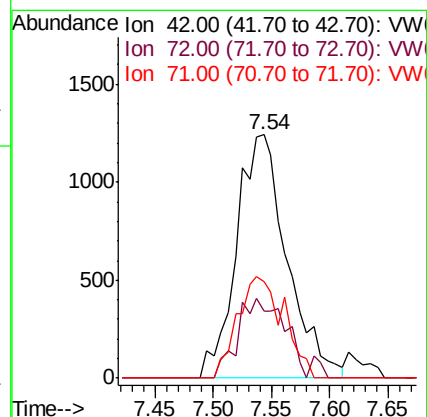
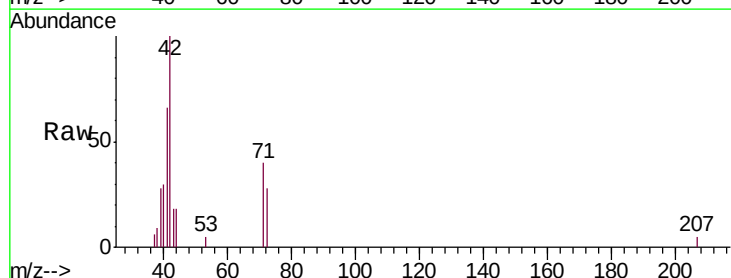
Tgt Ion: 42 Resp: 3755

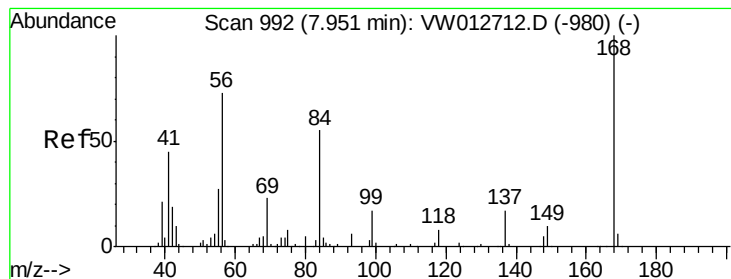
Ion Ratio Lower Upper

42 100

72 30.1 28.4 42.6

71 38.2 27.1 40.7





#31

Cyclohexane

Concen: 1.400 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(0)

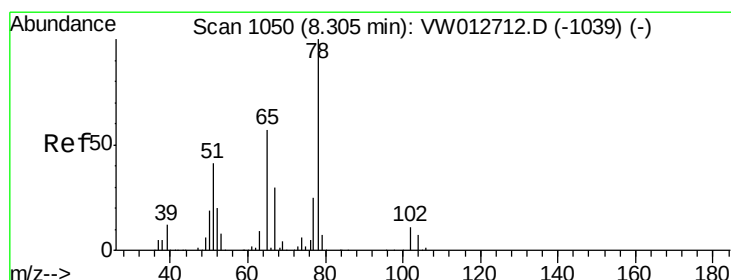
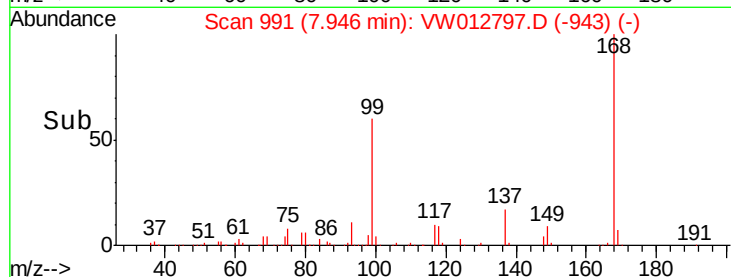
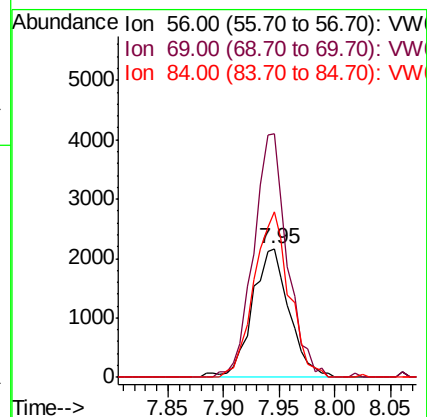
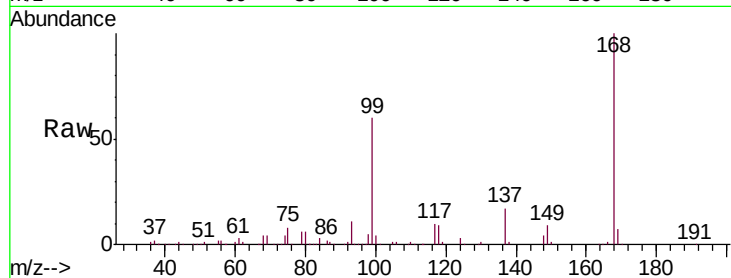
Tgt Ion: 56 Resp: 5027

Ion Ratio Lower Upper

56 100

69 189.2 25.7 38.5#

84 128.5 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 51.813 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012797.D

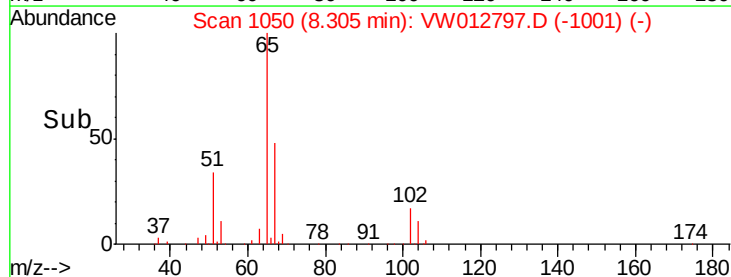
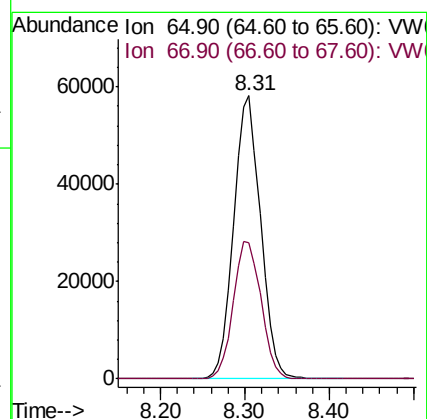
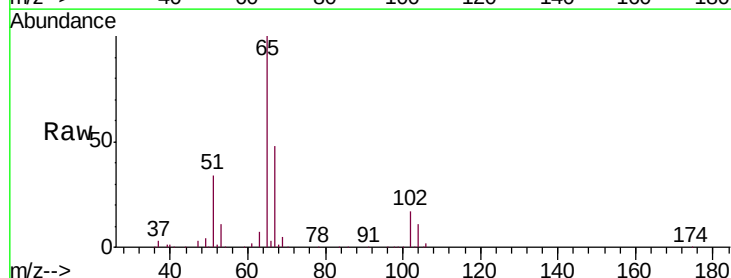
Acq: 09 Sep 2019 03:50

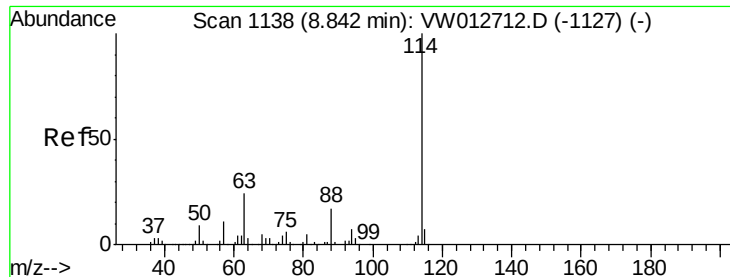
Tgt Ion: 65 Resp: 126524

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.8

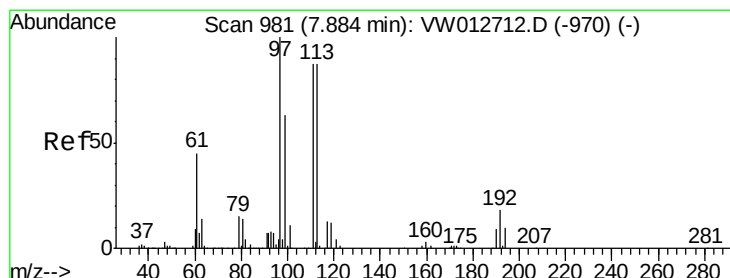
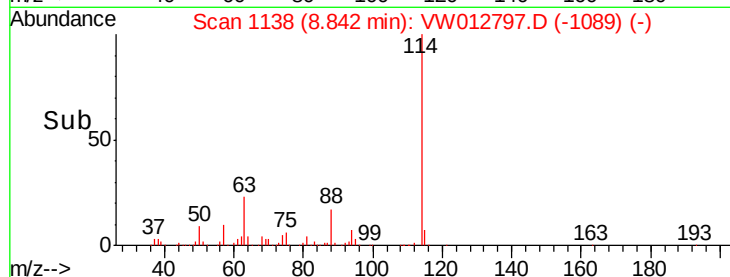
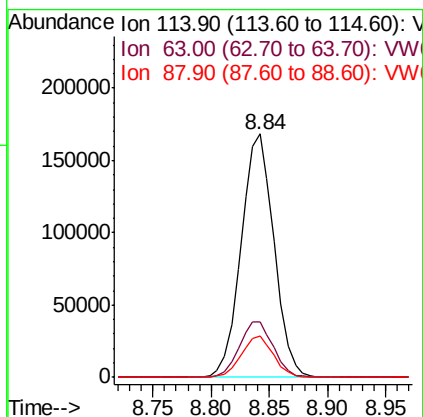
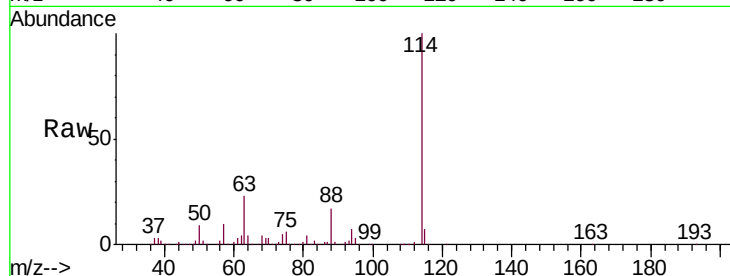




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

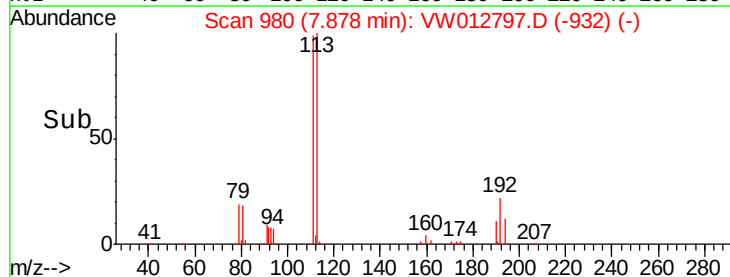
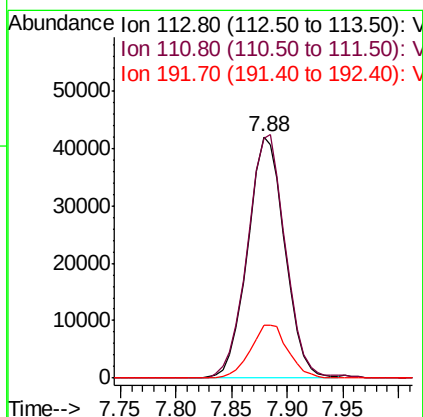
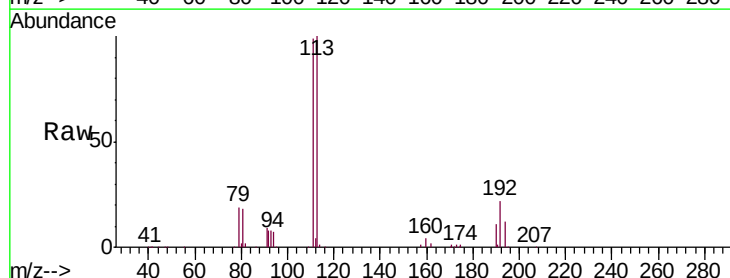
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(0)

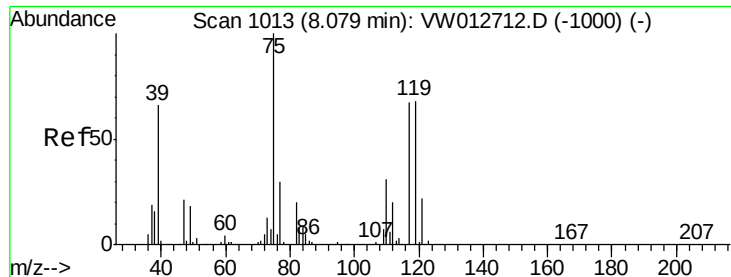
Tgt Ion:114 Resp: 330840
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.8 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.694 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

Tgt Ion:113 Resp: 97745
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.2 120.4
 192 22.2 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.907 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(0)

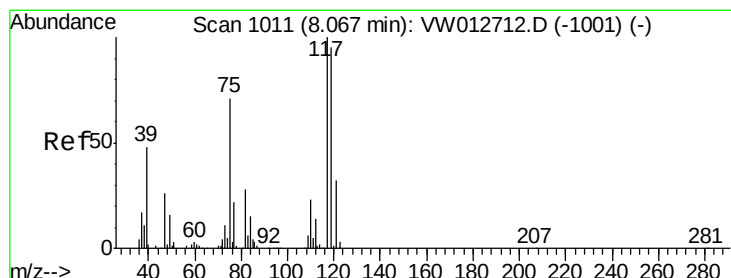
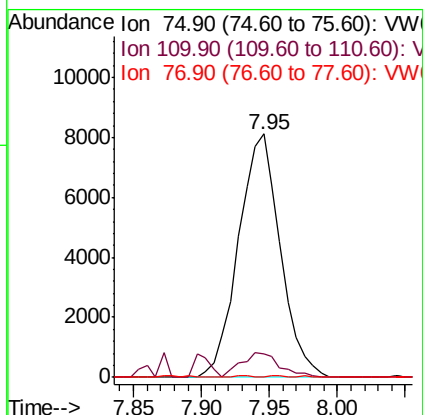
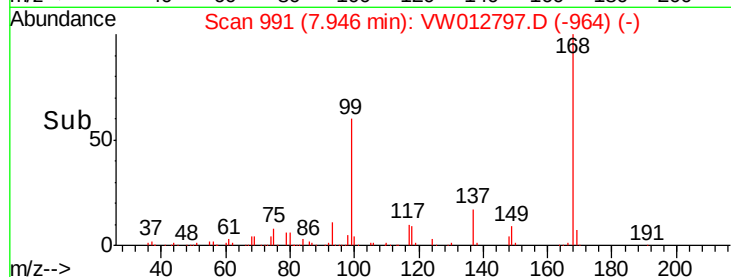
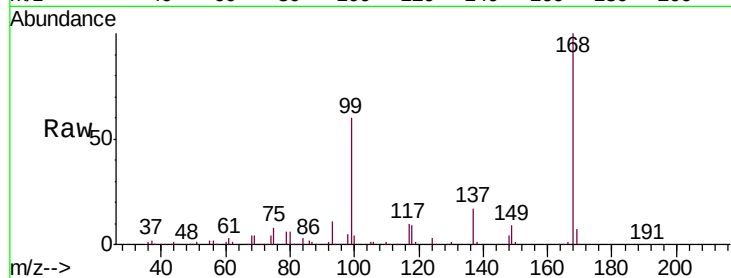
Tgt Ion: 75 Resp: 17365

Ion Ratio Lower Upper

75 100

110 9.4 15.9 47.7#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.402 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

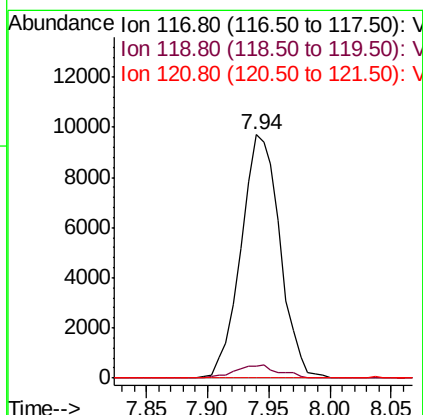
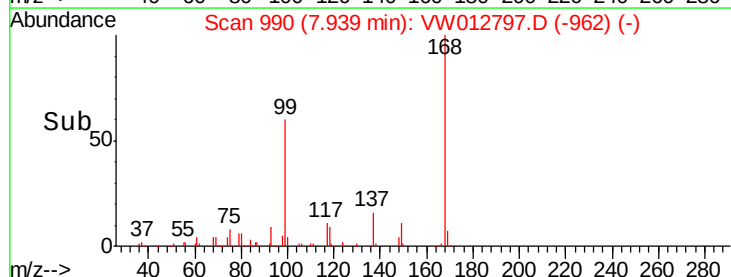
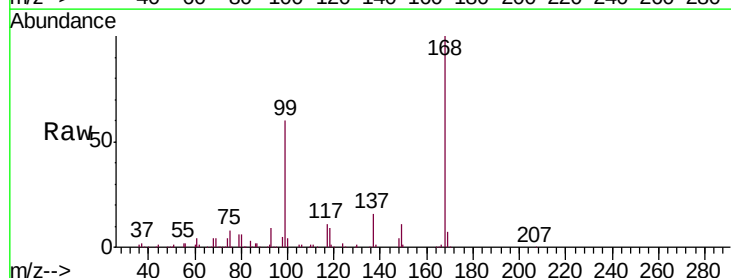
Tgt Ion: 117 Resp: 21450

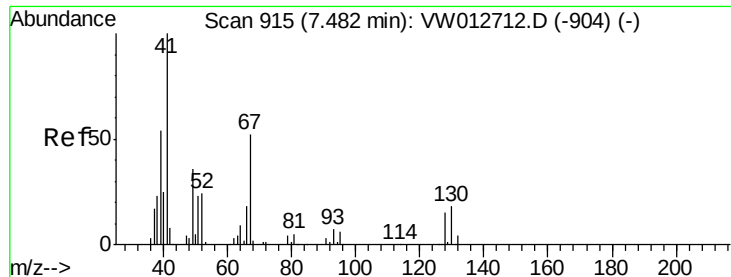
Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

121 0.0 25.4 38.2#

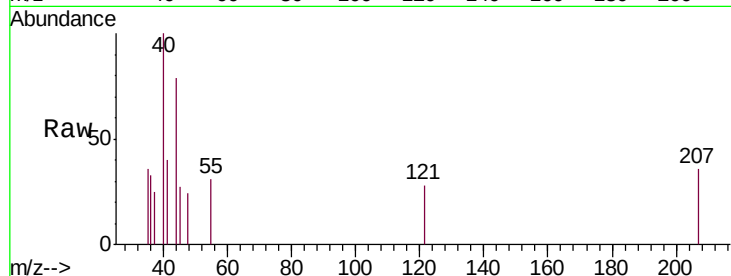




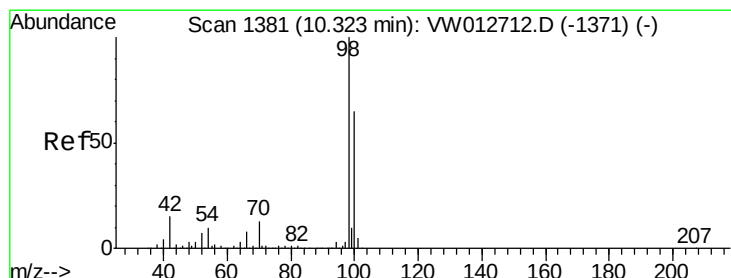
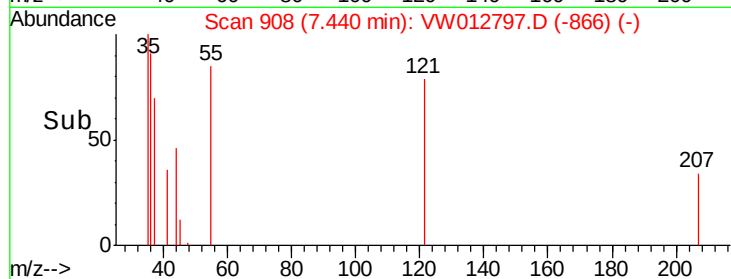
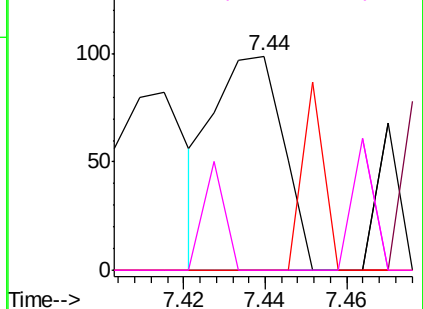
#41
Methacrylonitrile
Concen: 3.924 ug/l
RT: 7.44 min Scan# 908
Delta R.T. -0.04 min
Lab File: VW012797.D
Acq: 09 Sep 2019 03:50

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D1-(0)

Tgt Ion: 41 Resp: 117
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 27.4 45.1 67.7#
52 0.0 20.2 30.2#

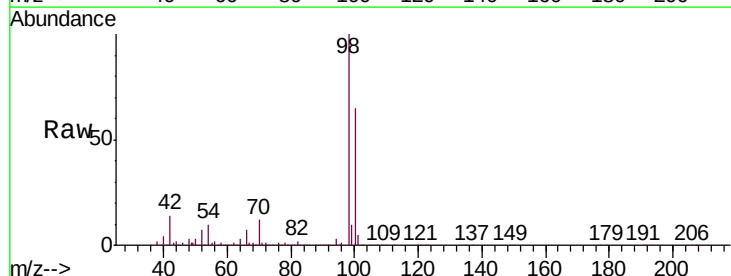


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

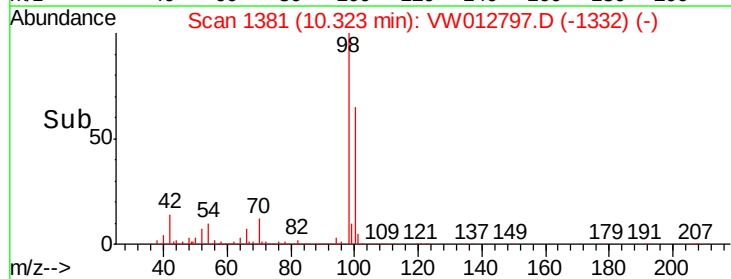
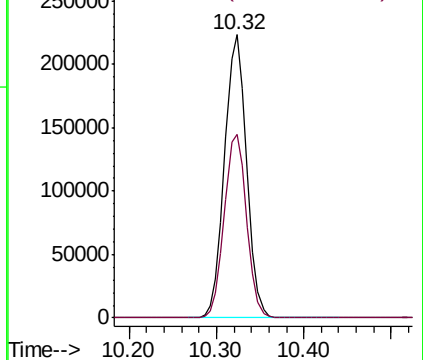


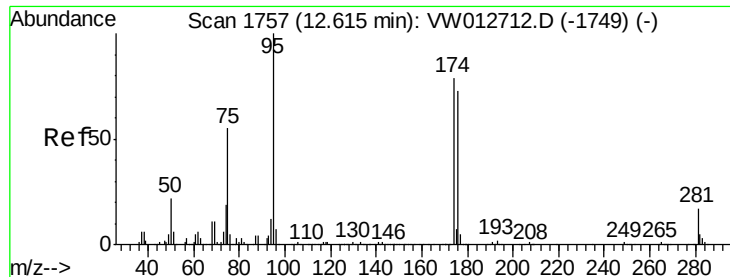
#50
Toluene-d8
Concen: 50.708 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012797.D
Acq: 09 Sep 2019 03:50

Tgt Ion: 98 Resp: 390757
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: 41.926 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012797.D

Acq: 09 Sep 2019 03:50

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(0)

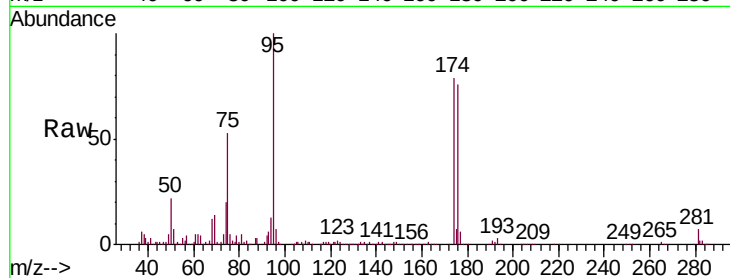
Tgt Ion: 95 Resp: 117288

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.0

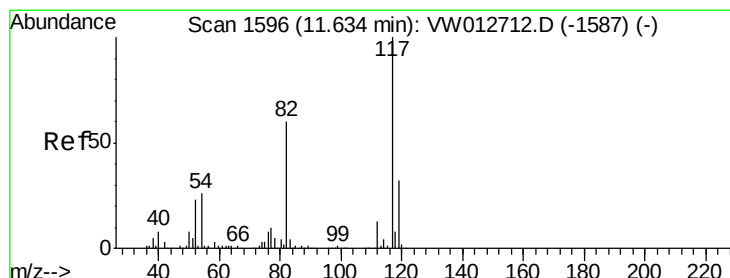
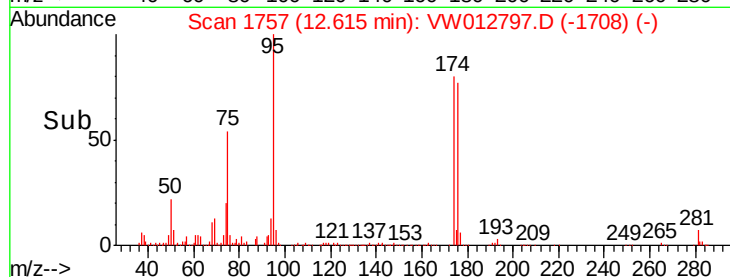
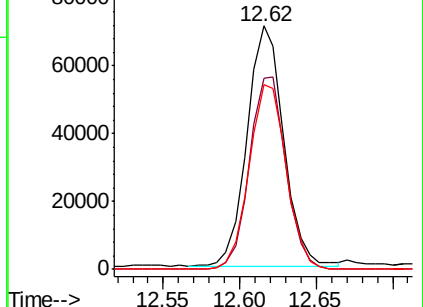
176 78.5 0.0 156.4



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: VW012797.D

Acq: 09 Sep 2019 03:50

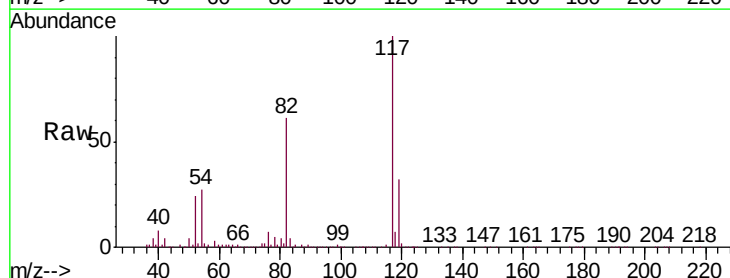
Tgt Ion: 117 Resp: 262957

Ion Ratio Lower Upper

117 100

82 60.6 48.2 72.4

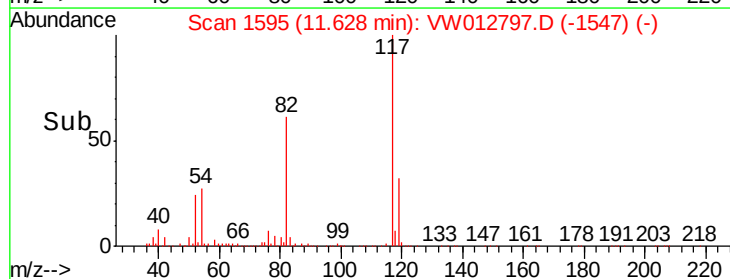
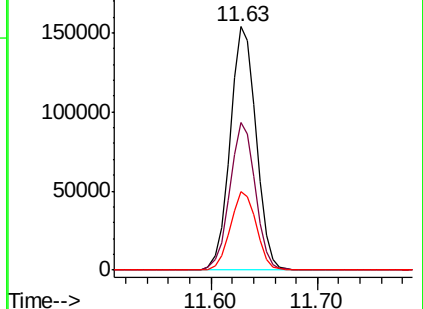
119 32.4 25.8 38.6

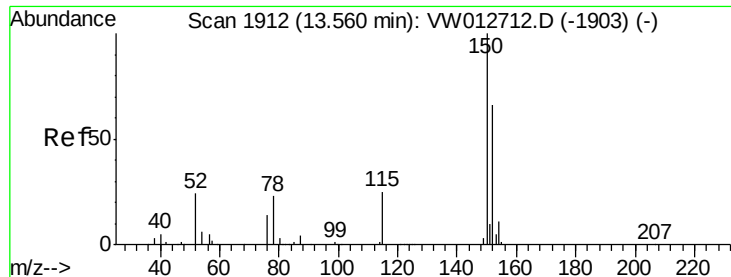


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

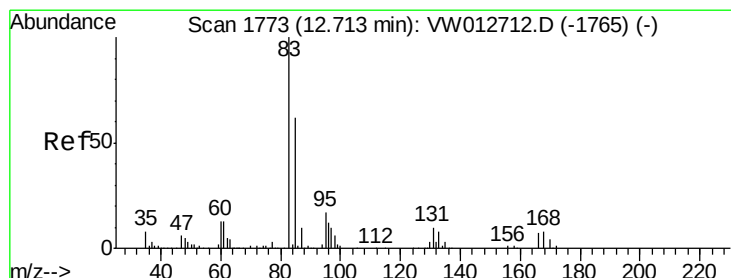
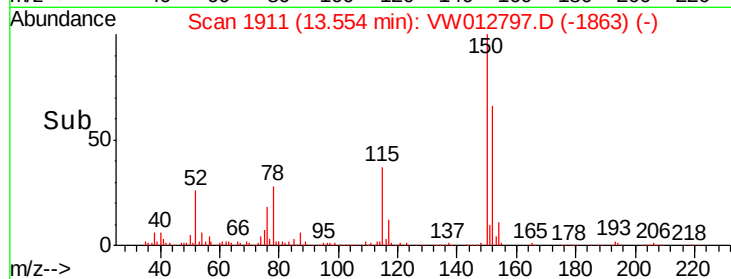
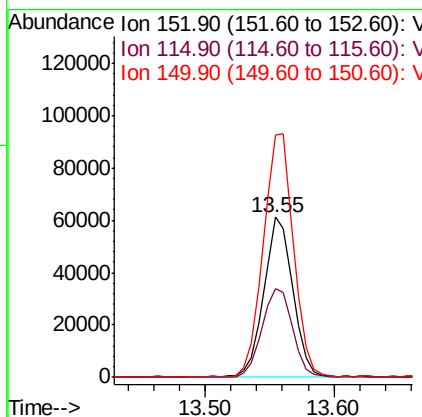
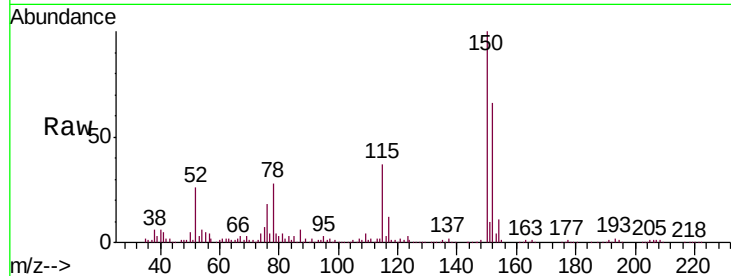




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

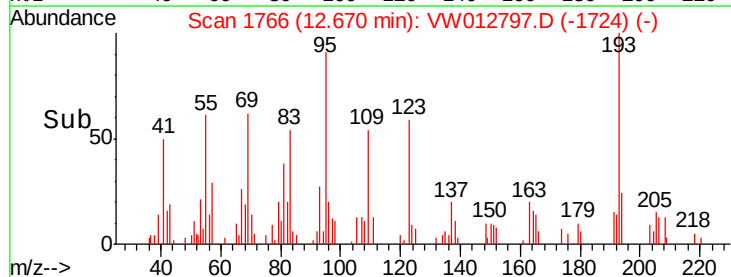
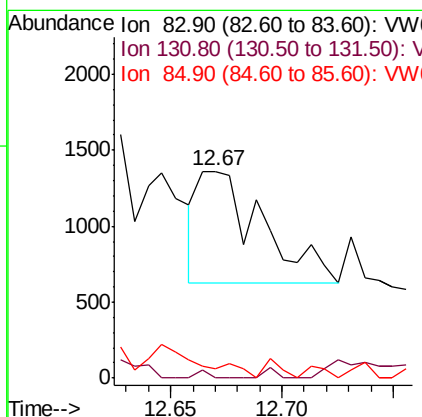
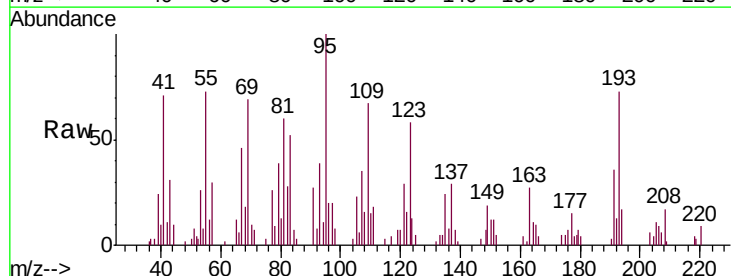
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(0)

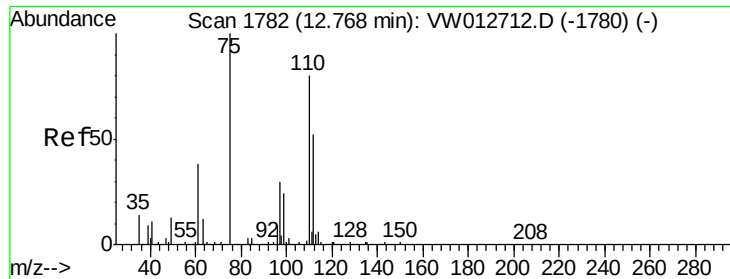
Tgt Ion: 152 Resp: 95734
 Ion Ratio Lower Upper
 152 100
 115 57.8 30.0 90.1
 150 157.1 0.0 349.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.058 ug/l
 RT: 12.67 min Scan# 1766
 Delta R.T. -0.04 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

Tgt Ion: 83 Resp: 1459
 Ion Ratio Lower Upper
 83 100
 131 1.4 5.1 15.4#
 85 0.0 31.4 94.2#

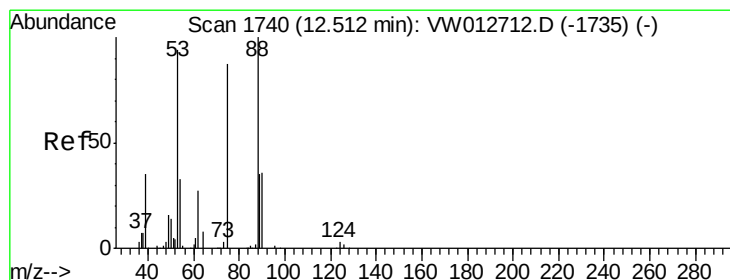
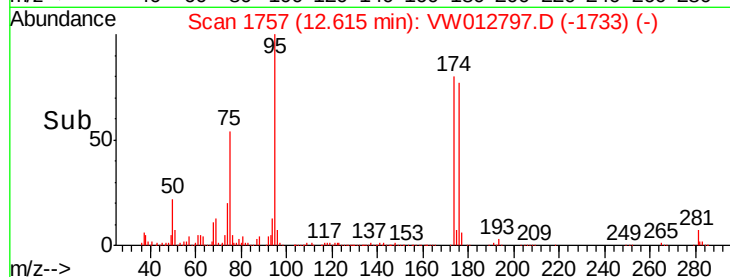
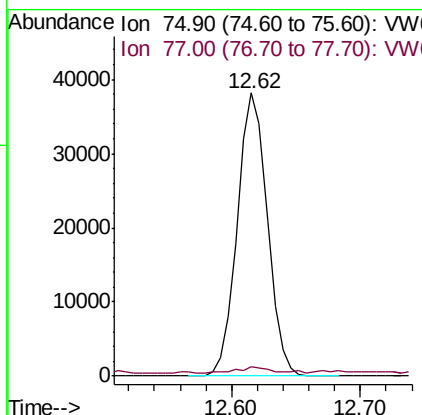
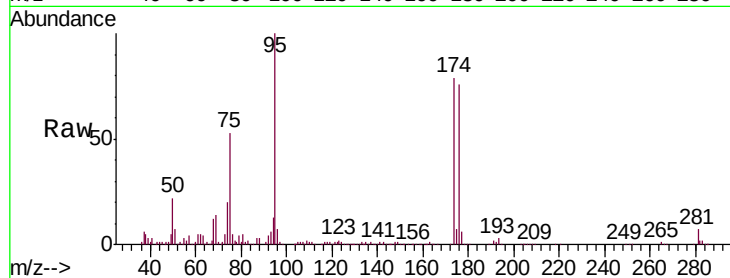




#76
 1,2,3-Trichloropropane
 Concen: 63.099 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

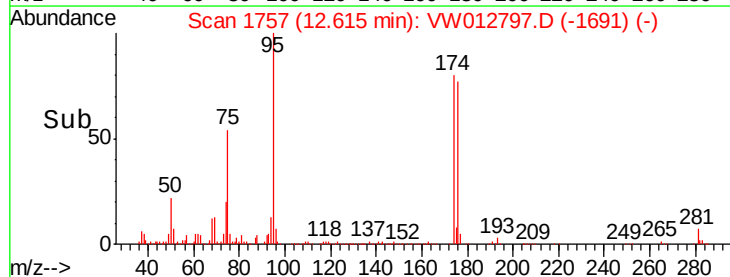
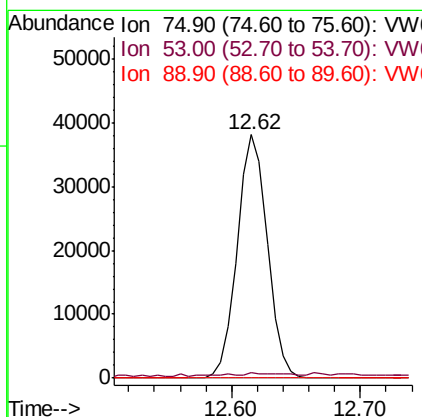
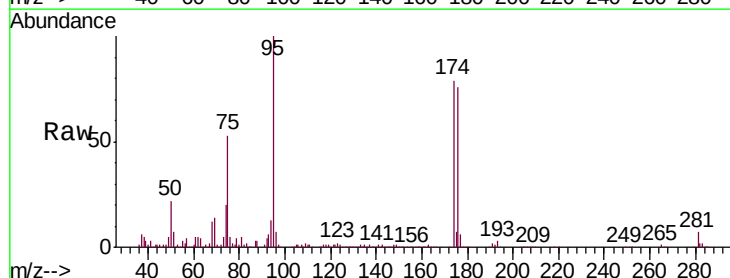
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(0)

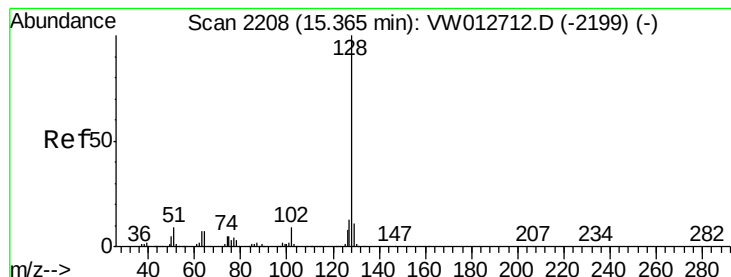
Tgt Ion: 75 Resp: 61769
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.459 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

Tgt Ion: 75 Resp: 61769
 Ion Ratio Lower Upper
 75 100
 53 1.4 87.6 131.4#
 89 0.1 35.5 53.3#





#95
 Naphthalene
 Concen: 4.613 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012797.D
 Acq: 09 Sep 2019 03:50

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	16.9	8.7	13.1#

