

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090819\
 Data File : VW012801.D
 Acq On : 09 Sep 2019 05:33
 Operator : SY/VA
 Sample : K4623-13
 Misc : 4.65G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(4)

Quant Time: Sep 09 07:54:37 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	252675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	148713	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	115258	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.32	98	458579	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.62	95	138555	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	

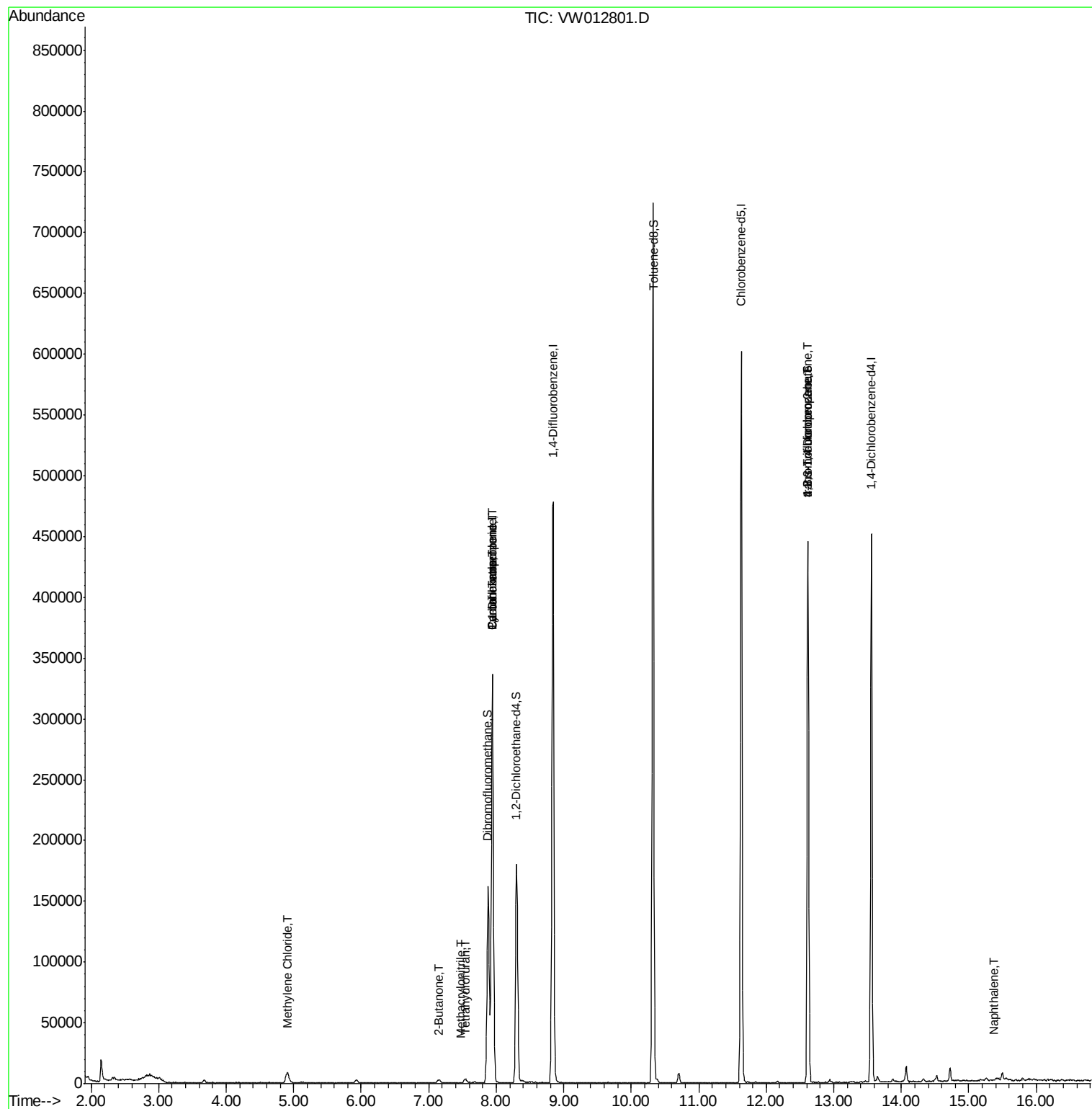
Target Compounds						Qvalue
20) Methylene Chloride	4.91	84	5970	2.479	ug/l #	79
25) 2-Butanone	7.15	43	31	19.705	ug/l #	53
29) Tetrahydrofuran	7.53	42	2909	4.680	ug/l #	40
31) Cyclohexane	7.94	56	5760	1.388	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	20160	5.865	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25109	7.410	ug/l #	16
41) Methacrylonitrile	7.47	41	116	3.911	ug/l #	38
76) 1,2,3-Trichloropropane	12.62	75	76322	63.412	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76322	134.120	ug/l #	7
95) Naphthalene	15.36	128	68	4.452	ug/l #	69

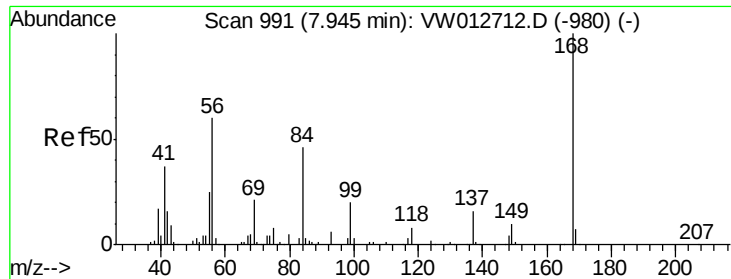
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

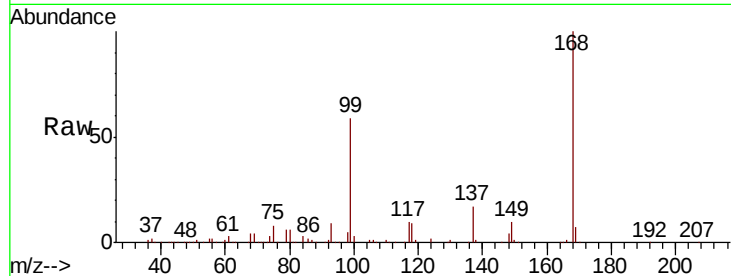
PAR-11-D1-(4)

Tgt Ion:168 Resp: 252675

Ion Ratio Lower Upper

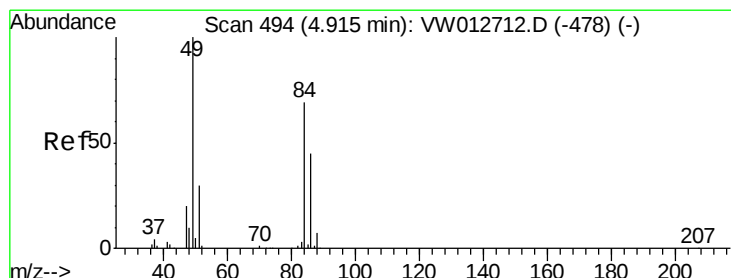
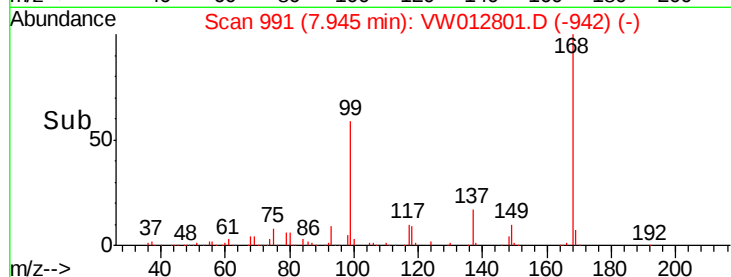
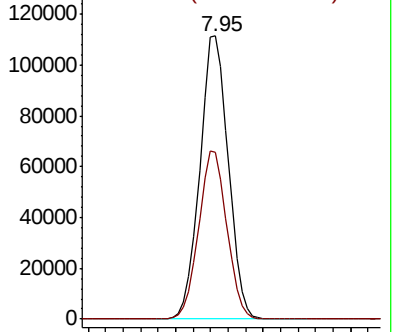
168 100

99 58.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 2.479 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Tgt Ion: 84 Resp: 5970

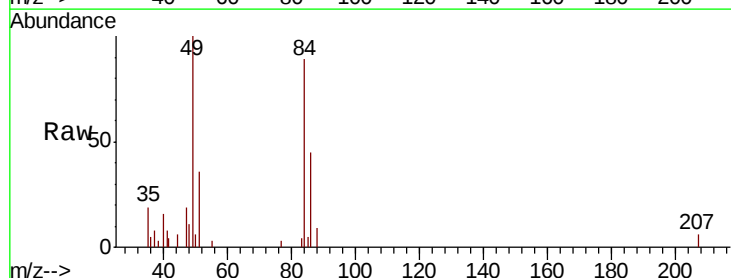
Ion Ratio Lower Upper

84 100

49 111.8 115.4 173.0#

51 39.9 34.9 52.3

86 49.9 52.2 78.4#

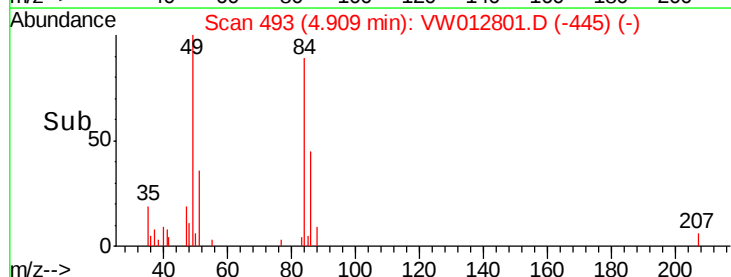
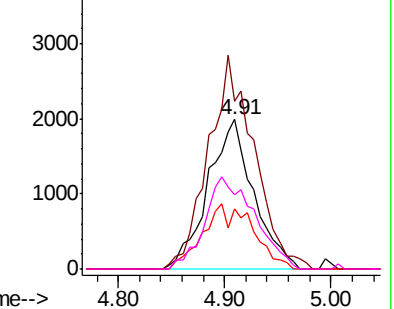


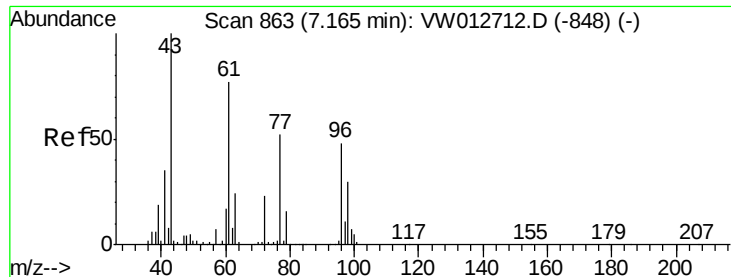
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 19.705 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

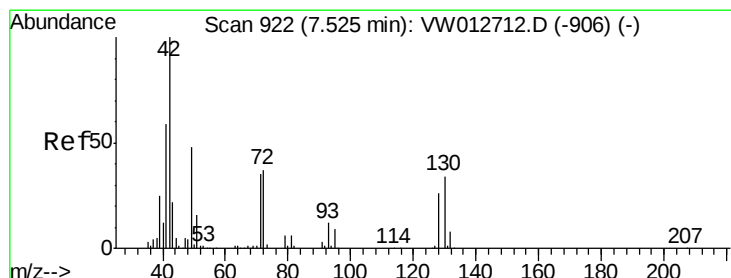
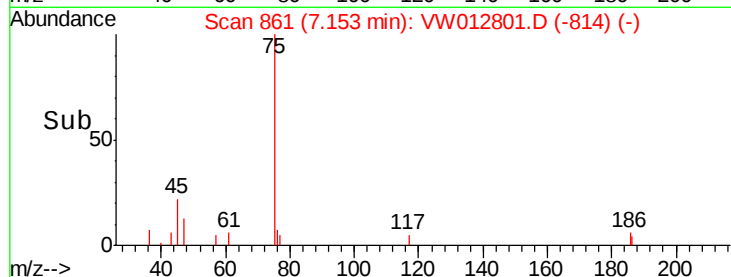
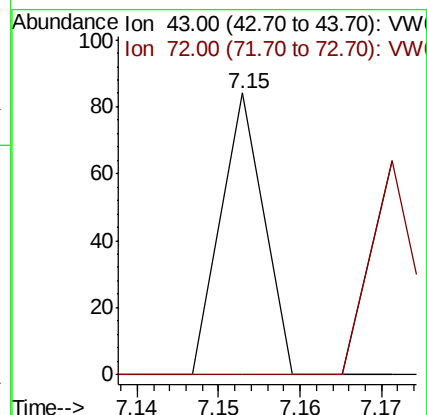
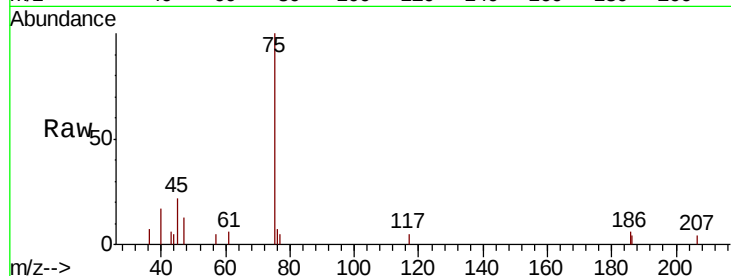
PAR-11-D1-(4)

Tgt Ion: 43 Resp: 31

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 4.680 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

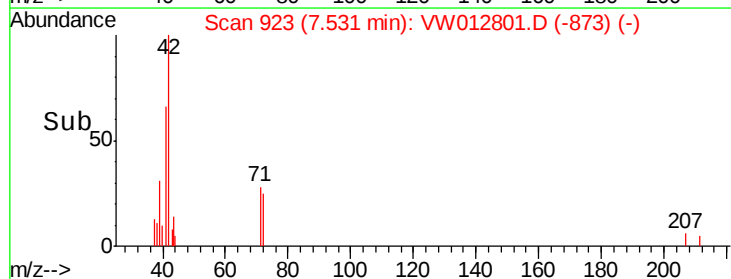
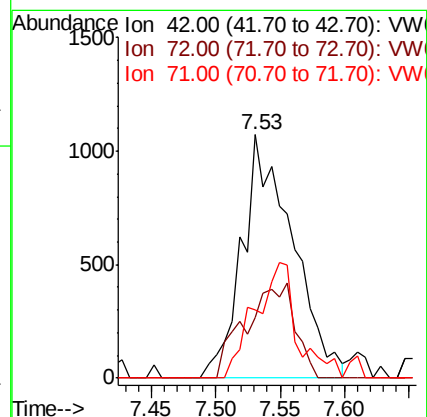
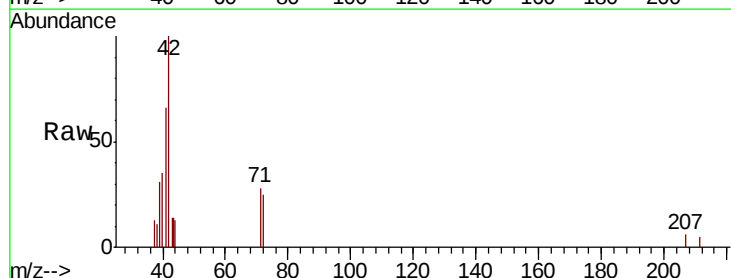
Tgt Ion: 42 Resp: 2909

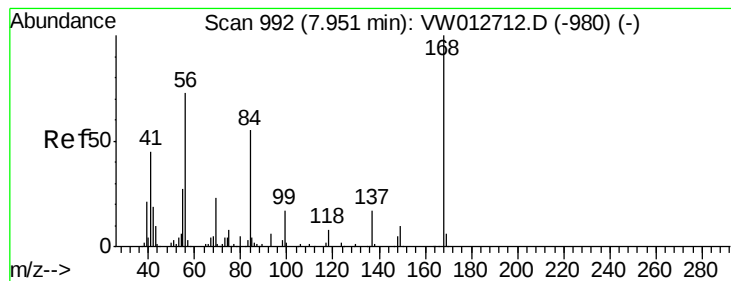
Ion Ratio Lower Upper

42 100

72 0.0 28.4 42.6#

71 0.0 27.1 40.7#





#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

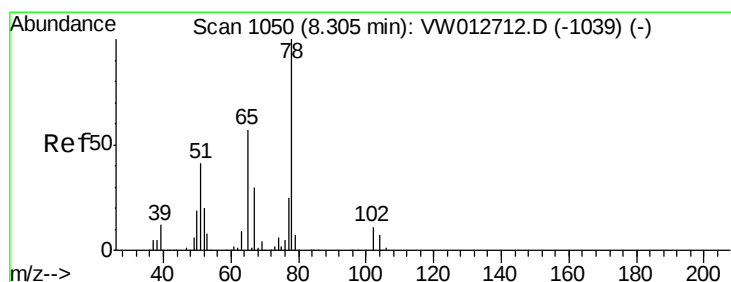
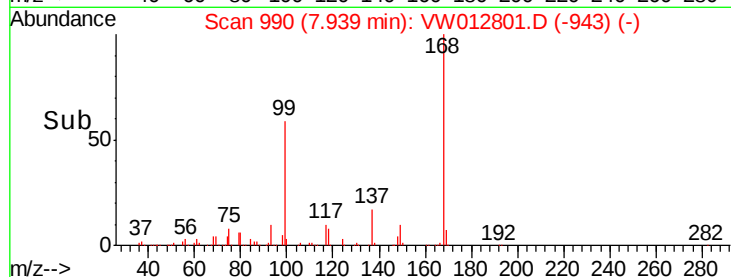
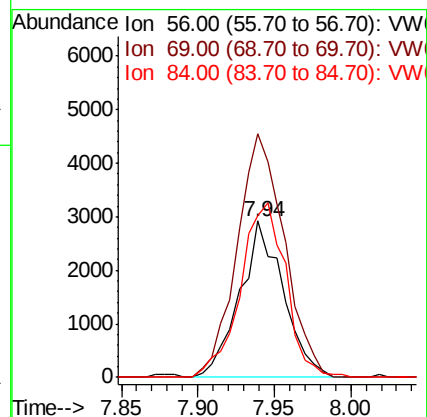
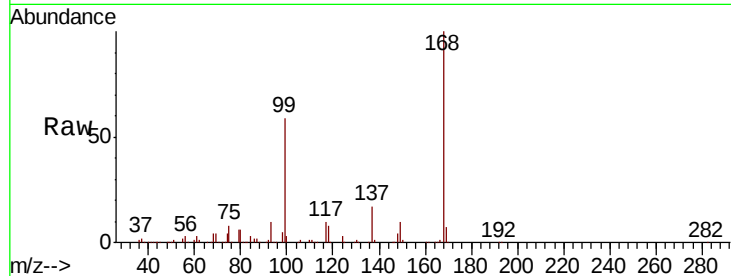
Tgt Ion: 56 Resp: 5760

Ion Ratio Lower Upper

56 100

69 156.1 25.7 38.5#

84 103.7 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 52.675 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012801.D

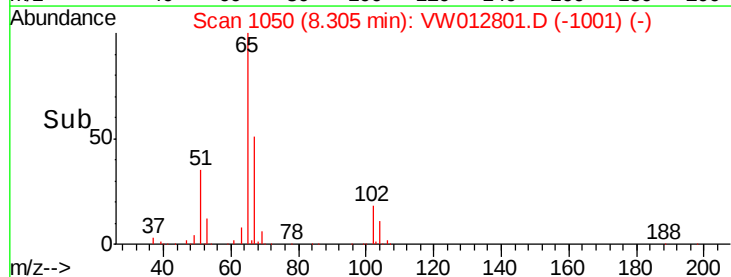
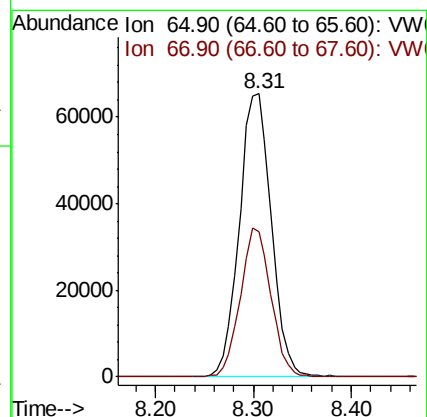
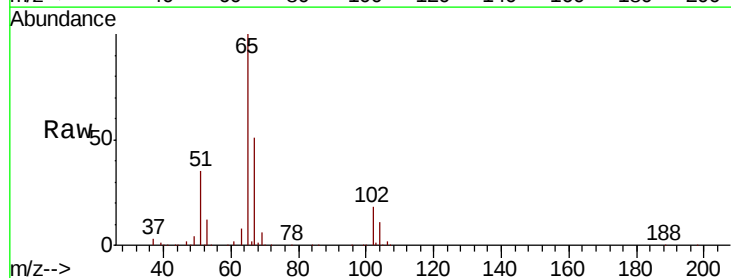
Acq: 09 Sep 2019 05:33

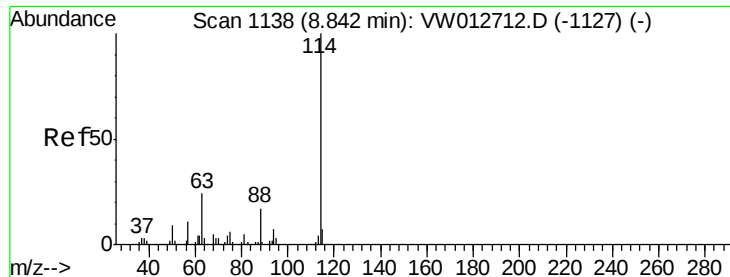
Tgt Ion: 65 Resp: 148713

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8

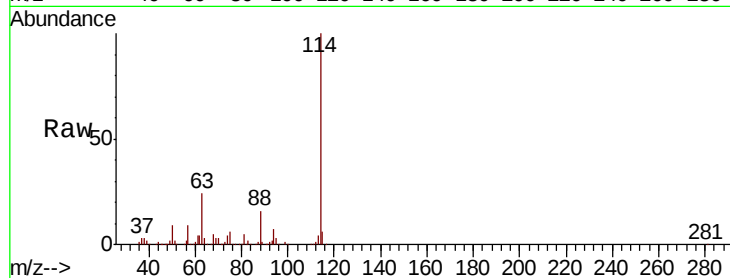




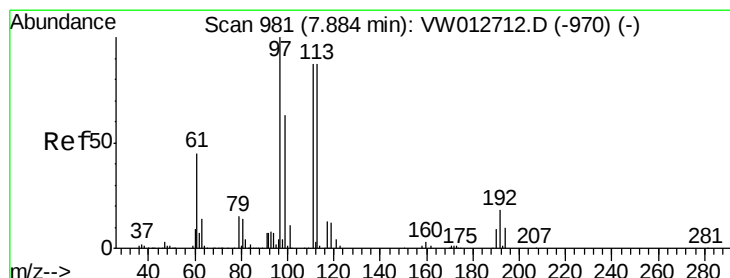
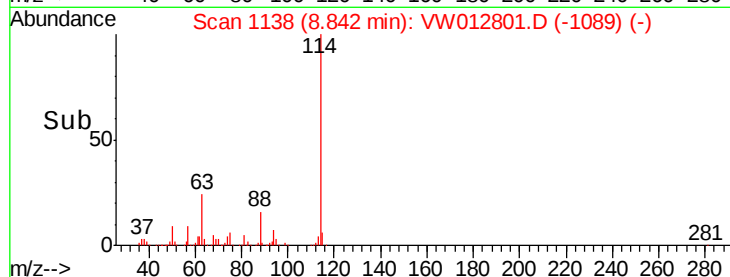
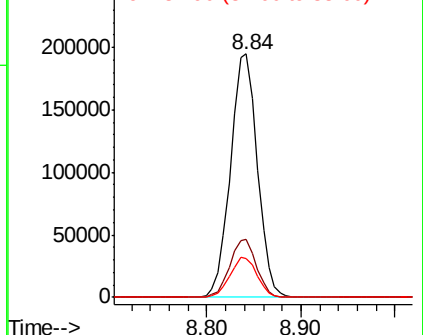
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(4)

Tgt Ion:114 Resp: 386862
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 47.2
 88 16.2 0.0 34.0

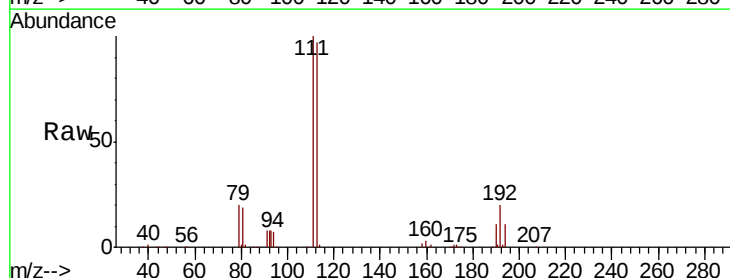


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

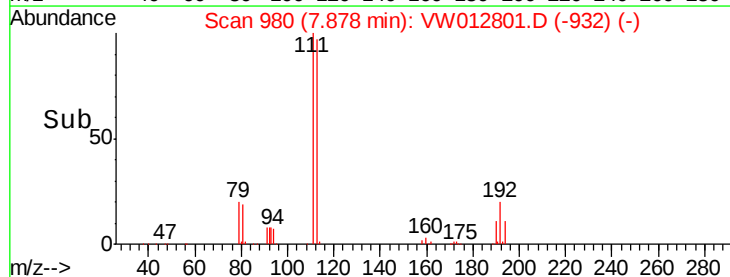
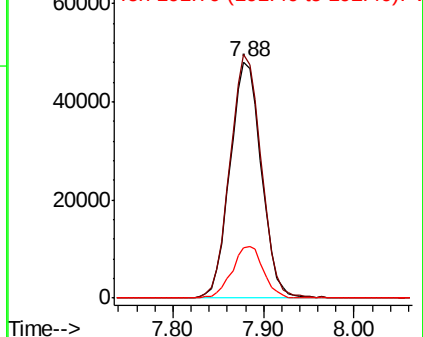


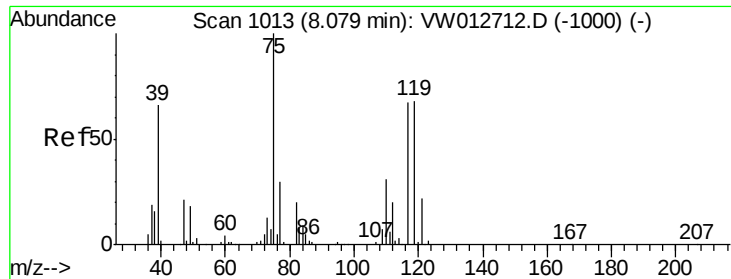
#35
 Dibromofluoromethane
 Concen: 50.112 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

Tgt Ion:113 Resp: 115258
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.2 120.4
 192 22.0 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

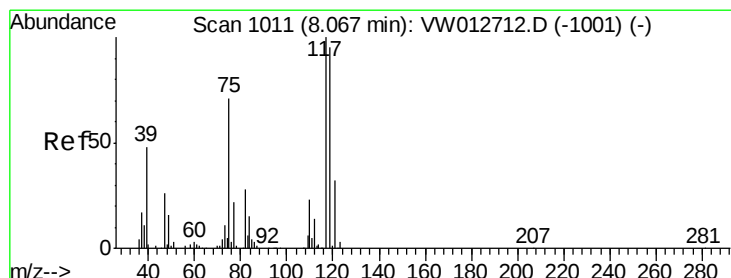
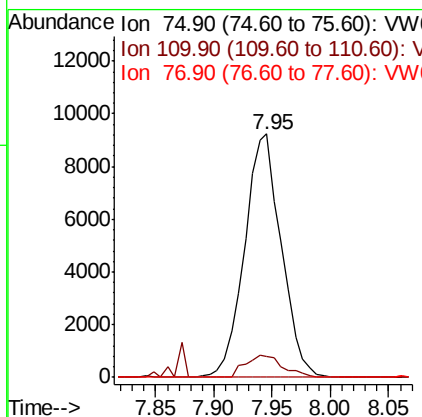
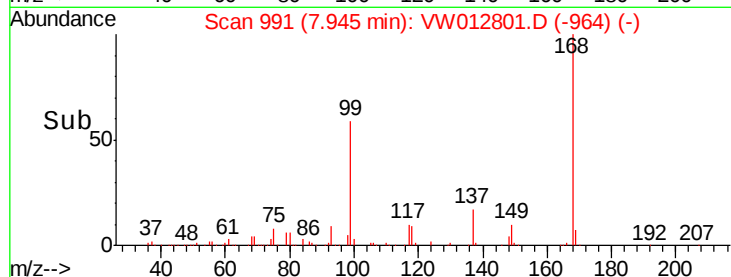
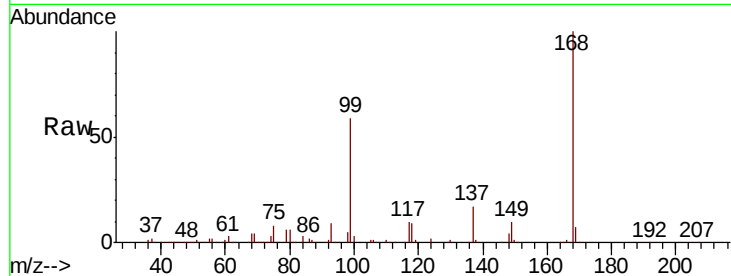




#36
 1,1-Dichloropropene
 Concen: 5.865 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

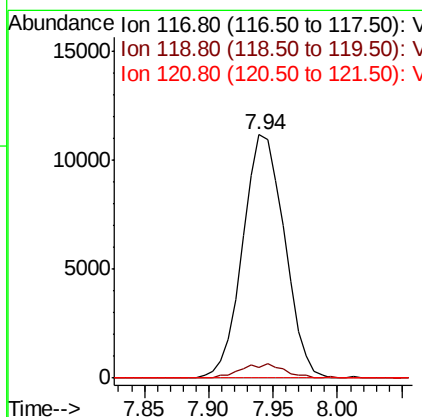
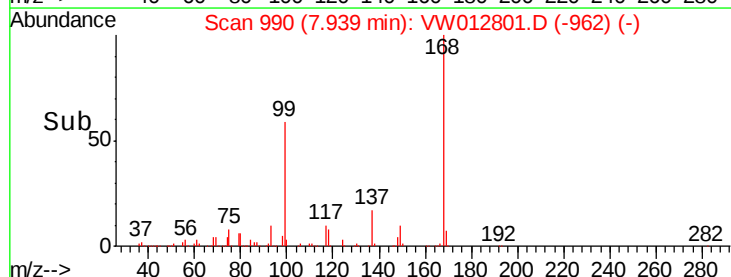
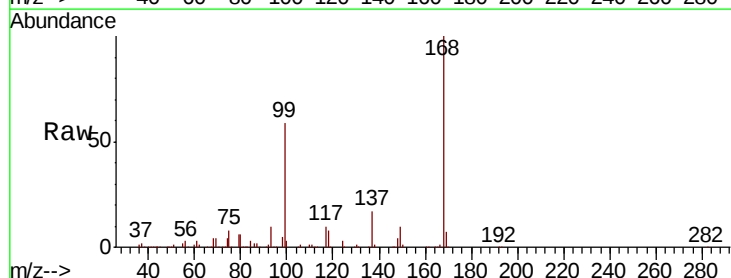
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D1-(4)

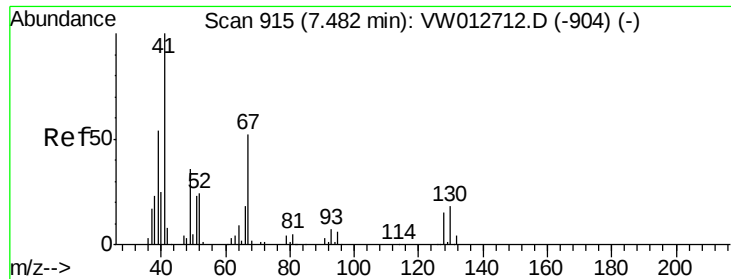
Tgt Ion: 75 Resp: 20160
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.410 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012801.D
 Acq: 09 Sep 2019 05:33

Tgt Ion: 117 Resp: 25109
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.2#
 121 0.0 25.4 38.2#

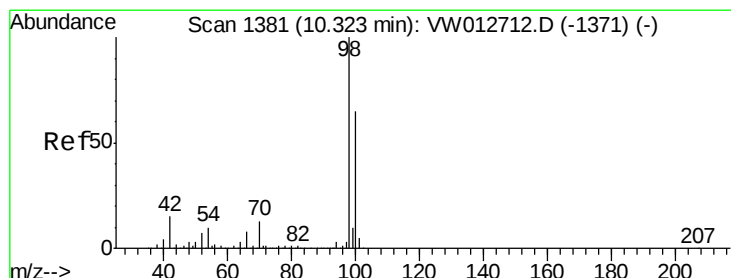
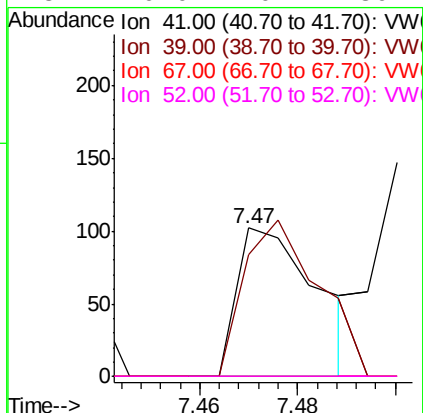
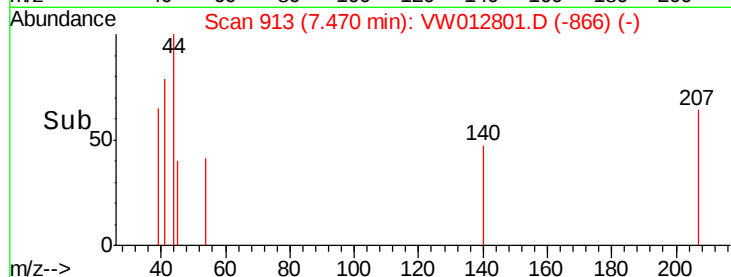
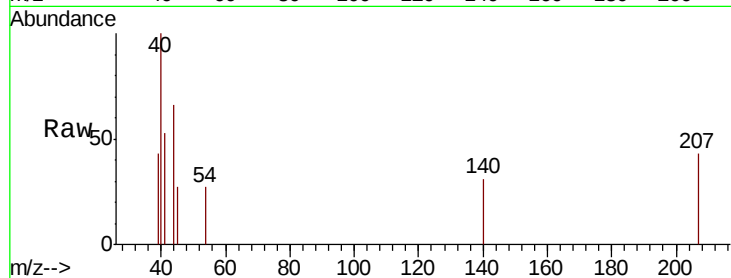




#41
Methacrylonitrile
Concen: 3.911 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012801.D
Acq: 09 Sep 2019 05:33

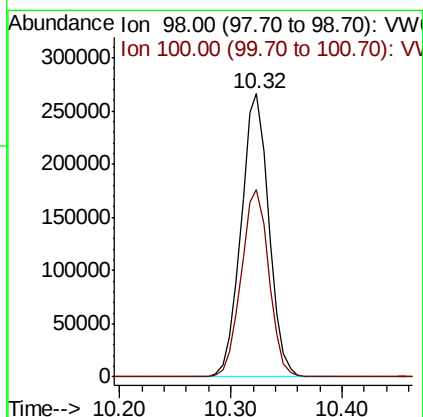
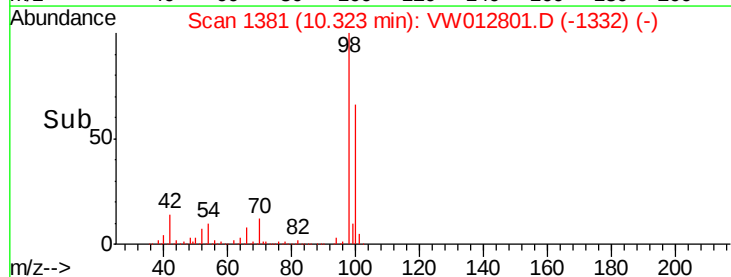
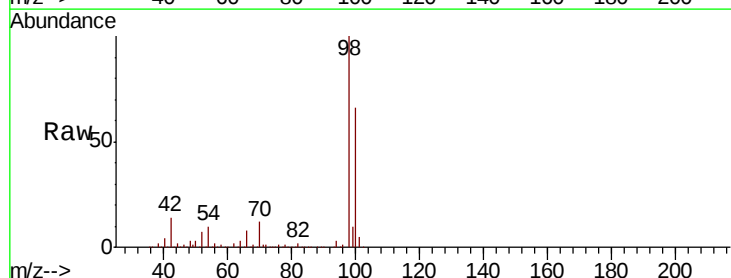
Instrument :
MSVOA_W
ClientSampled :
PAR-11-D1-(4)

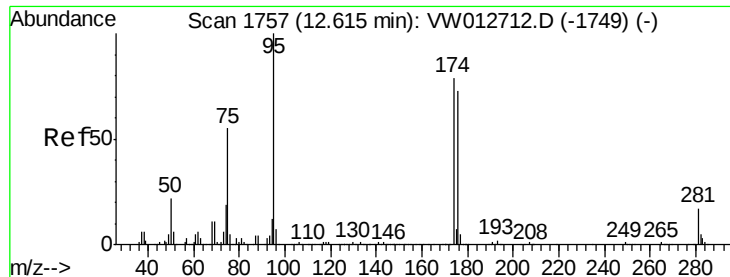
Tgt Ion: 41 Resp: 116
Ion Ratio Lower Upper
41 100
39 98.3 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 50.892 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012801.D
Acq: 09 Sep 2019 05:33

Tgt Ion: 98 Resp: 458579
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 42.356 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

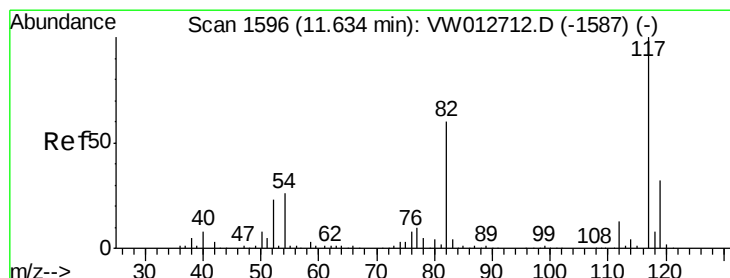
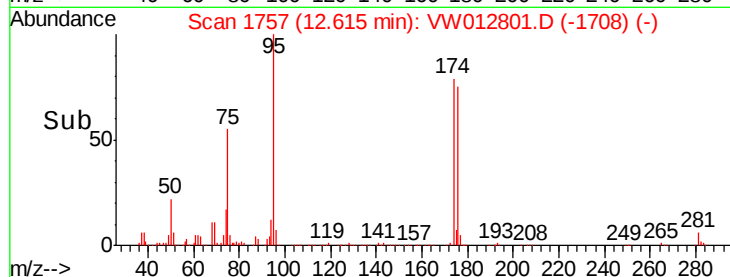
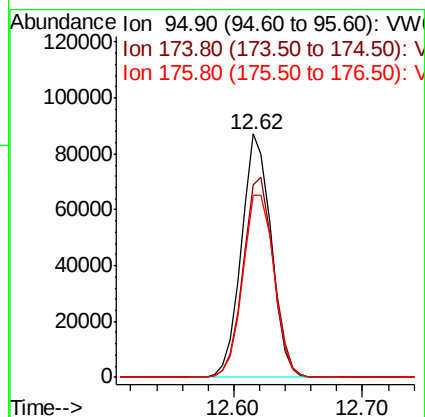
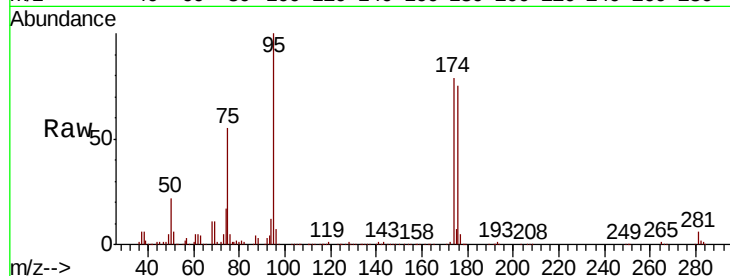
Tgt Ion: 95 Resp: 138555

Ion Ratio Lower Upper

95 100

174 84.1 0.0 161.0

176 79.2 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: VW012801.D

Acq: 09 Sep 2019 05:33

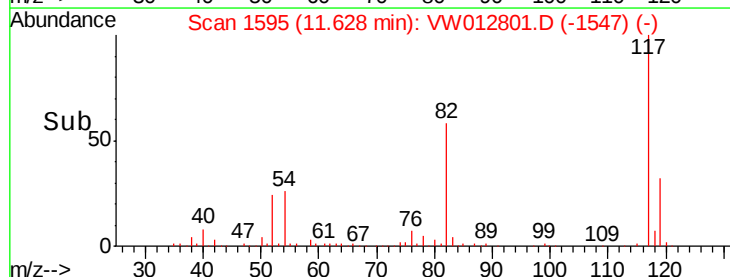
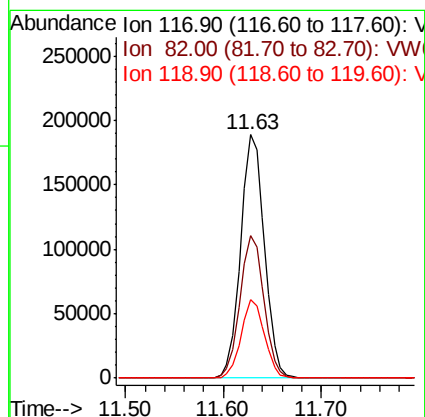
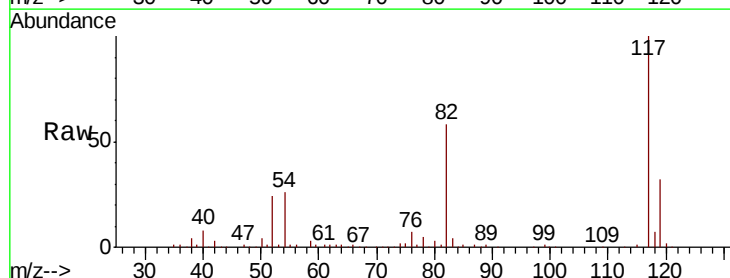
Tgt Ion: 117 Resp: 319013

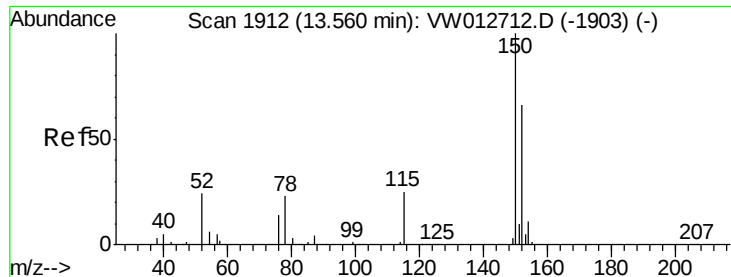
Ion Ratio Lower Upper

117 100

82 58.5 48.2 72.4

119 32.2 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: VW012801.D

Acq: 09 Sep 2019 05:33

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D1-(4)

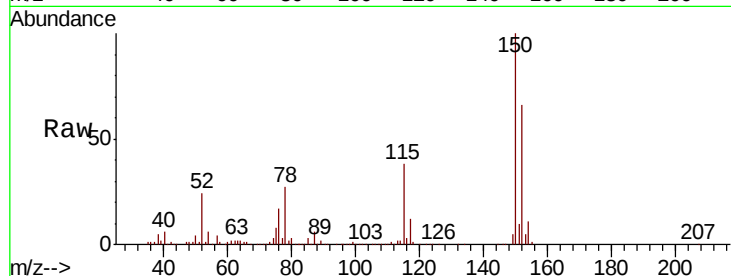
Tgt Ion: 152 Resp: 117706

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.1

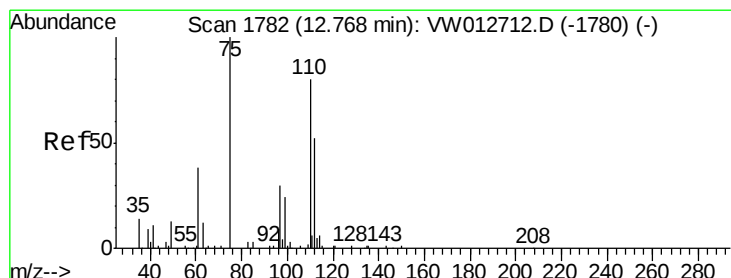
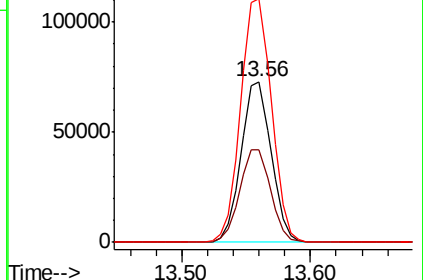
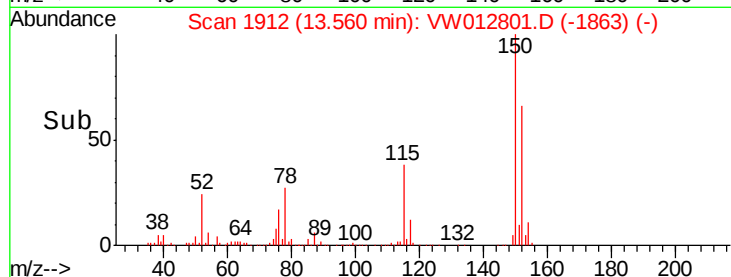
150 155.8 0.0 349.0



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: 63.412 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012801.D

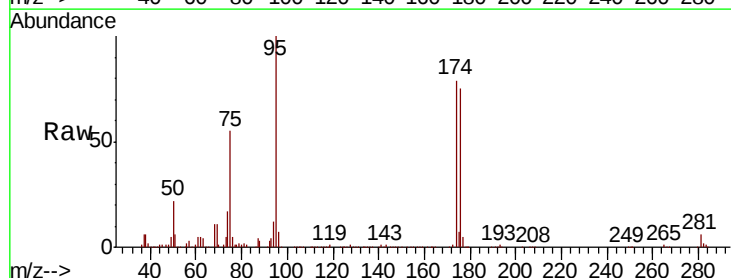
Acq: 09 Sep 2019 05:33

Tgt Ion: 75 Resp: 76322

Ion Ratio Lower Upper

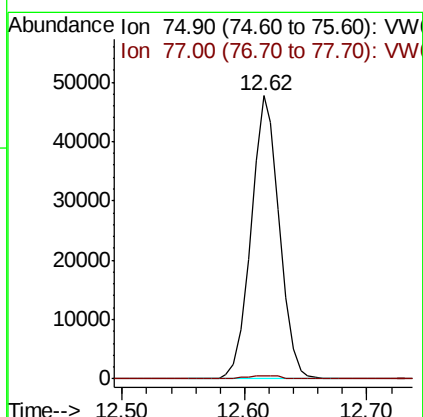
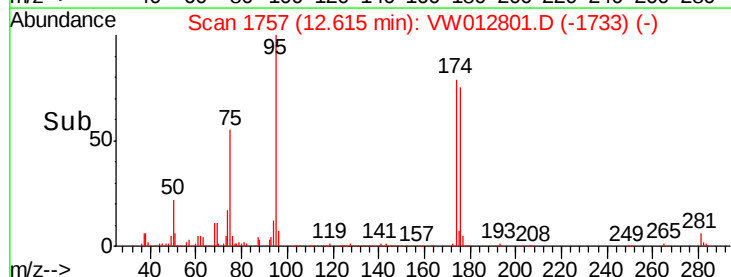
75 100

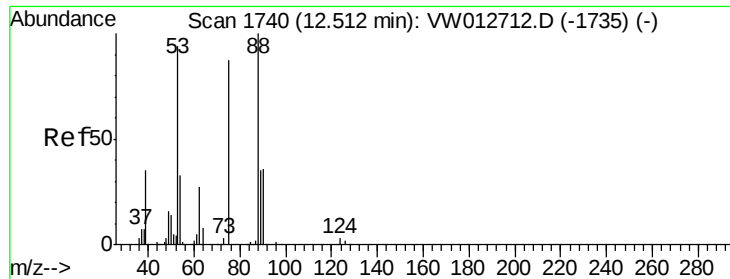
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

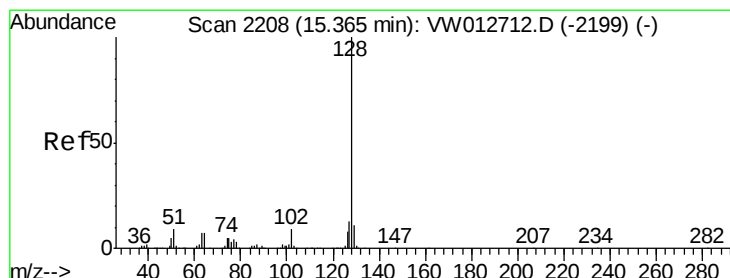
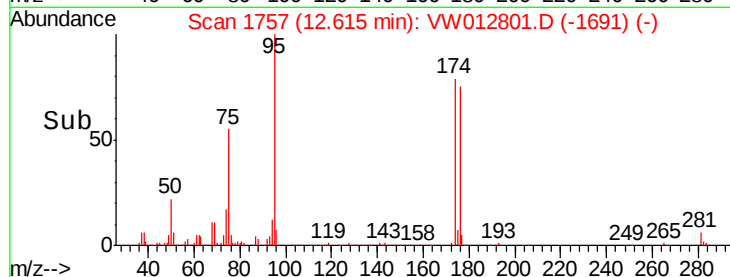
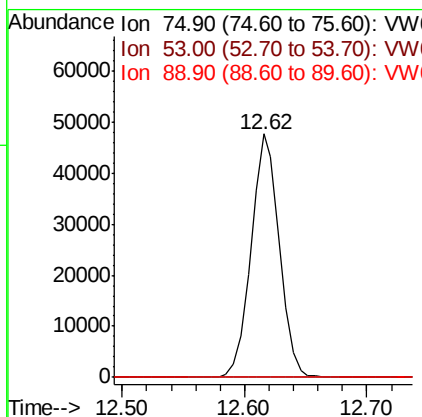
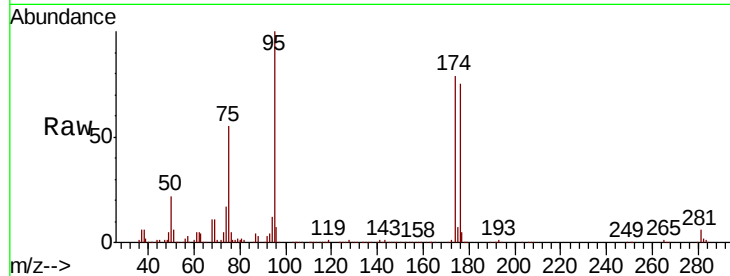




#81
trans-1,4-Dichloro-2-butene
Concen: 134.120 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012801.D
Acq: 09 Sep 2019 05:33

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D1-(4)

Tgt Ion: 75 Resp: 76322
Ion Ratio Lower Upper
75 100
53 0.3 87.6 131.4#
89 0.0 35.5 53.3#



#95
Naphthalene
Concen: 4.452 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012801.D
Acq: 09 Sep 2019 05:33

Tgt Ion: 128 Resp: 68
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

