

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090819\
 Data File : VW012802.D
 Acq On : 09 Sep 2019 05:59
 Operator : SY/VA
 Sample : K4623-14
 Misc : 7.20G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D2-(4)

Quant Time: Sep 09 07:54:47 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	257003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111042	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	149821	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.88	113	114619	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.32	98	451809	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.62	95	131884	40.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.82%	

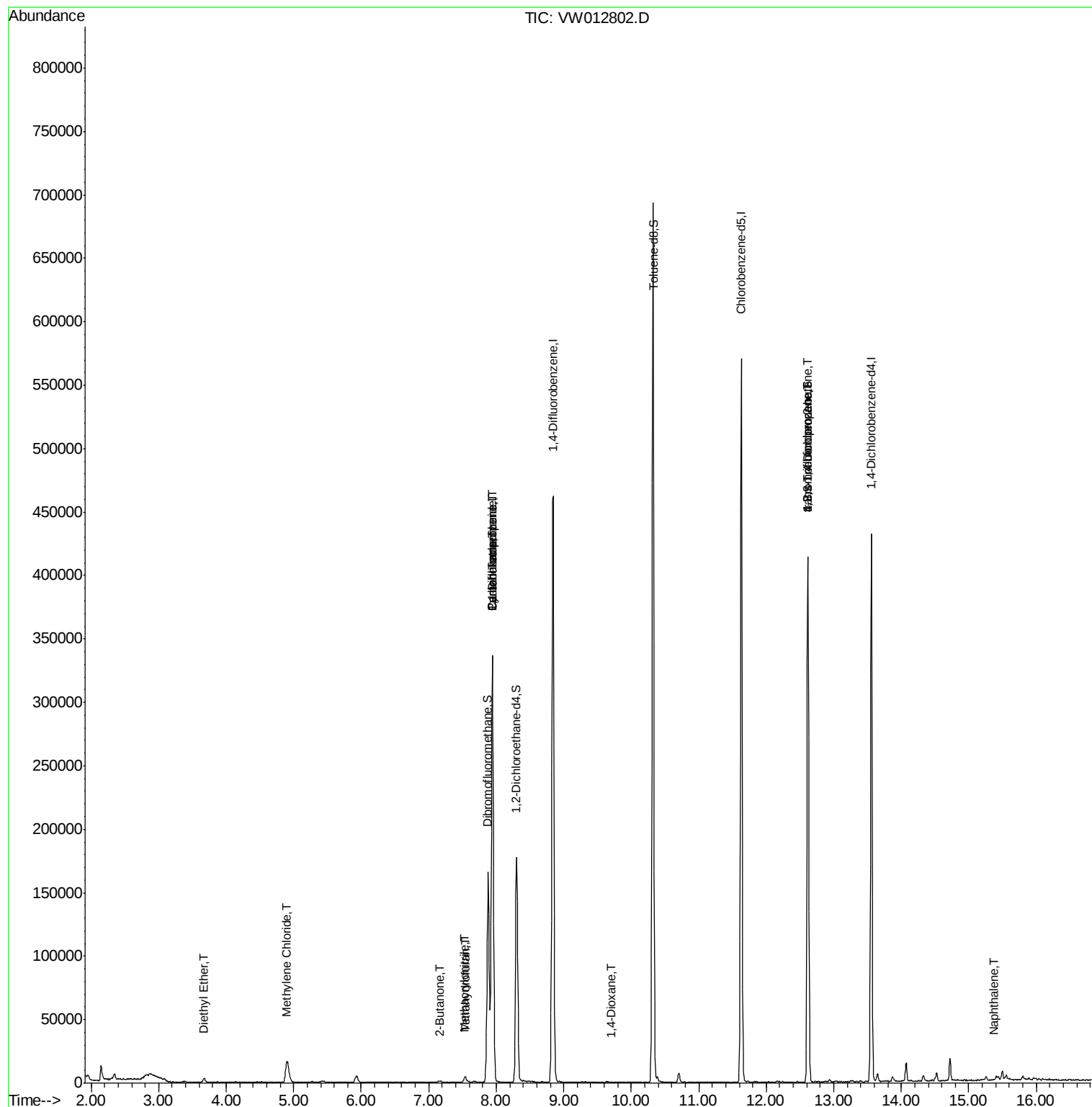
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1583	1.315	ug/l	97
20) Methylene Chloride	4.90	84	12687	5.180	ug/l	83
25) 2-Butanone	7.17	43	76	19.741	ug/l #	53
29) Tetrahydrofuran	7.54	42	4155	6.572	ug/l	95
31) Cyclohexane	7.95	56	5787	1.371	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	20675	6.028	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25753	7.617	ug/l #	15
41) Methacrylonitrile	7.54	41	2265	5.246	ug/l #	57
49) 1,4-Dioxane	9.70	88	39	1.580	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	71107	62.624	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71107	132.455	ug/l #	6
95) Naphthalene	15.36	128	386	4.515	ug/l #	79

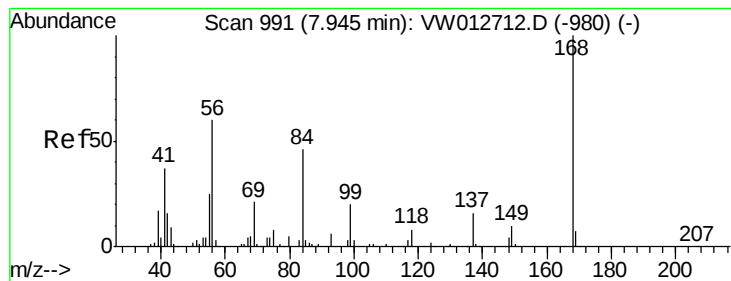
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012802.D

Acq: 09 Sep 2019 05:59

Instrument :

MSVOA_W

ClientSampleId :

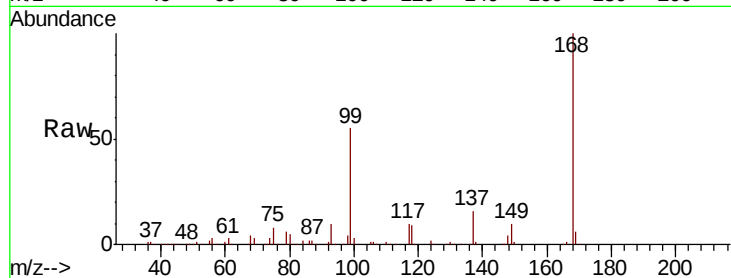
PAR-11-D2-(4)

Tgt Ion:168 Resp: 257003

Ion Ratio Lower Upper

168 100

99 55.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

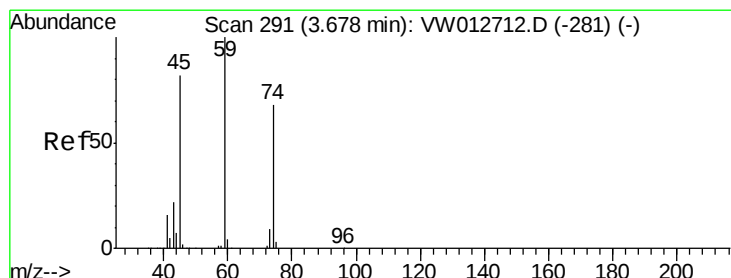
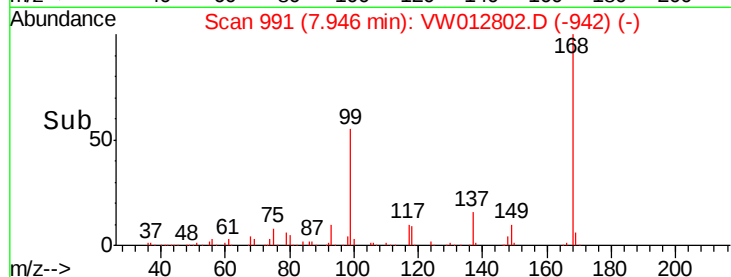
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.315 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012802.D

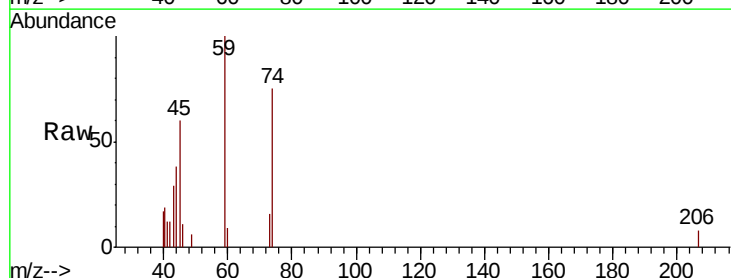
Acq: 09 Sep 2019 05:59

Tgt Ion: 74 Resp: 1583

Ion Ratio Lower Upper

74 100

45 114.8 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

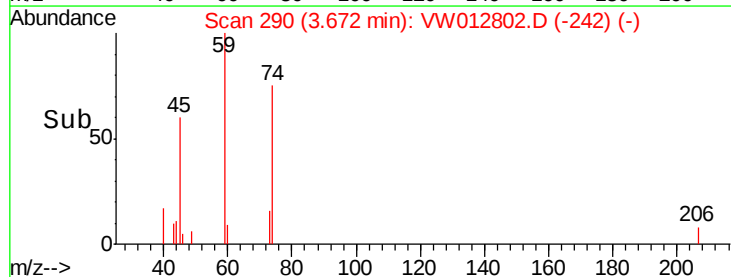
600

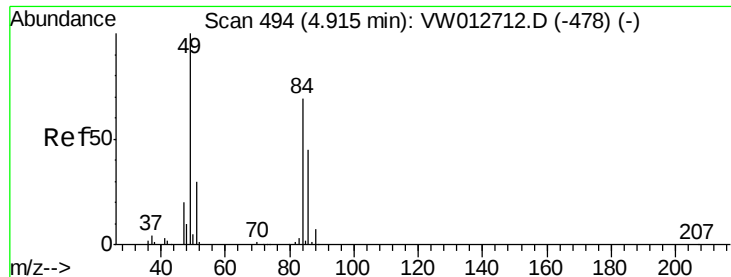
400

200

0

Time--> 3.60 3.65 3.70 3.75





#20

Methylene Chloride

Concen: 5.180 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D2-(4)

Tgt Ion: 84 Resp: 12687

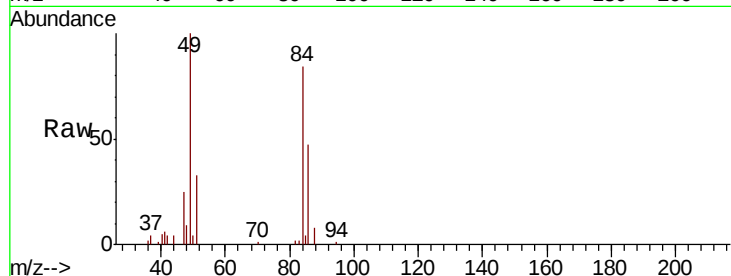
Ion Ratio Lower Upper

84 100

49 117.2 115.4 173.0

51 39.7 34.9 52.3

86 55.7 52.2 78.4



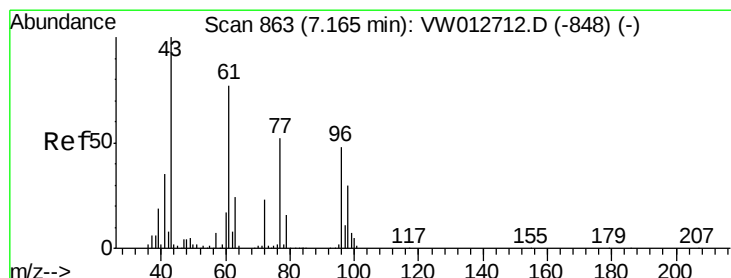
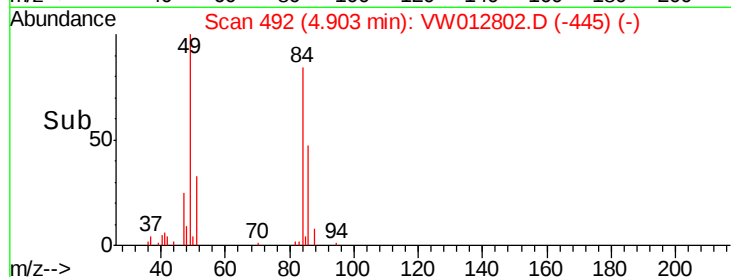
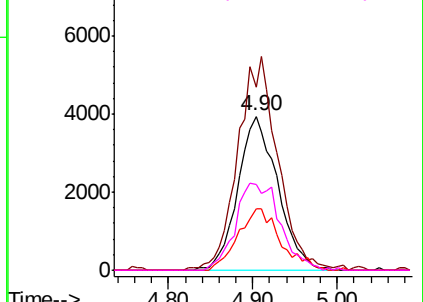
Abundance

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: 19.741 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012802.D

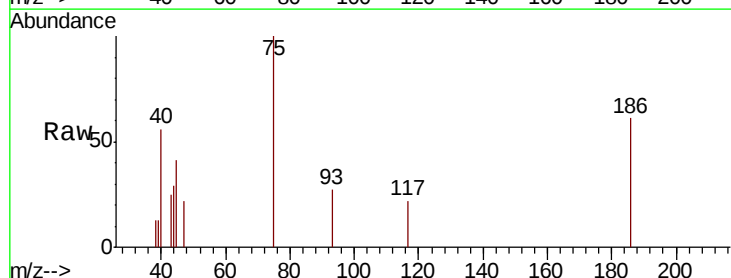
Acq: 09 Sep 2019 05:59

Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

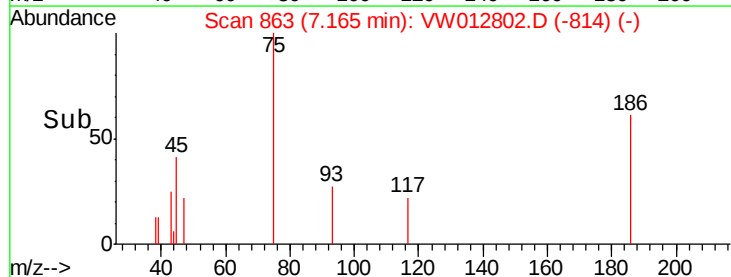
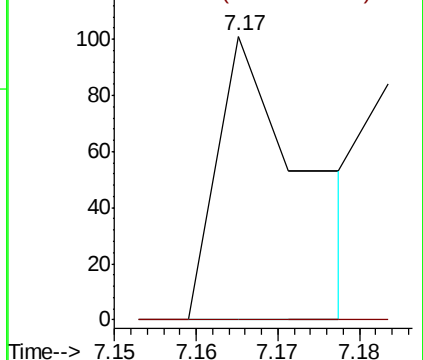
72 0.0 18.0 27.0#

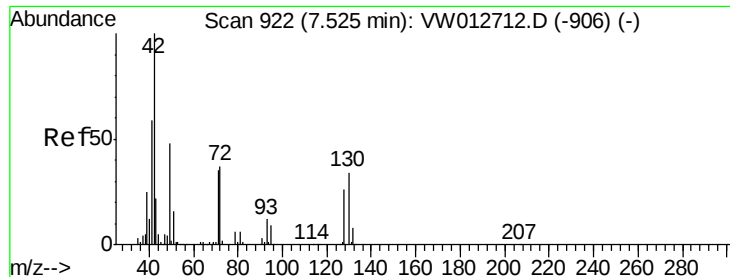


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

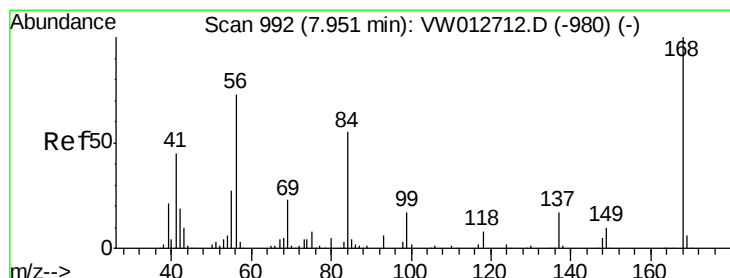
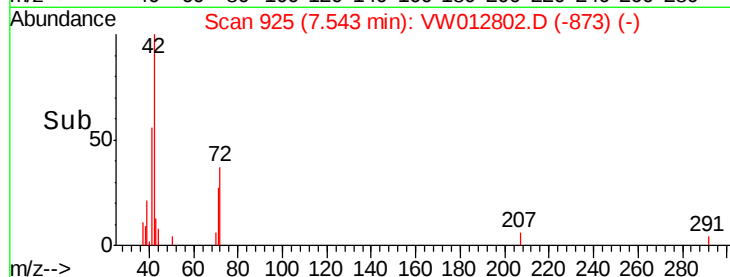
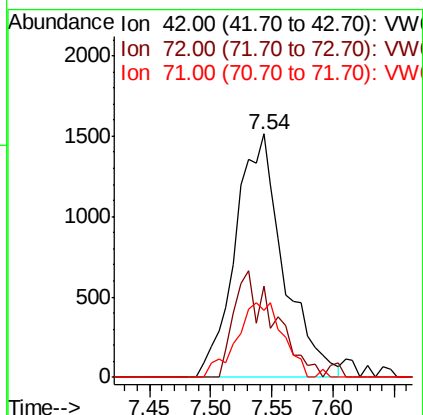
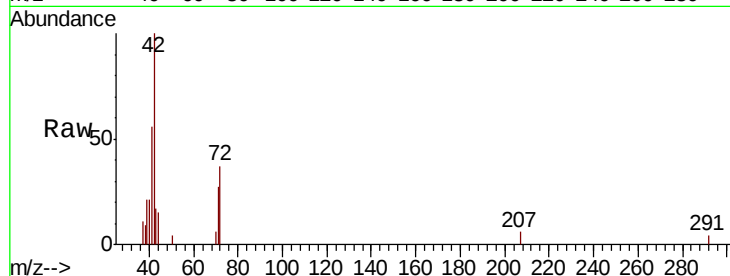




#29
Tetrahydrofuran
Concen: 6.572 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

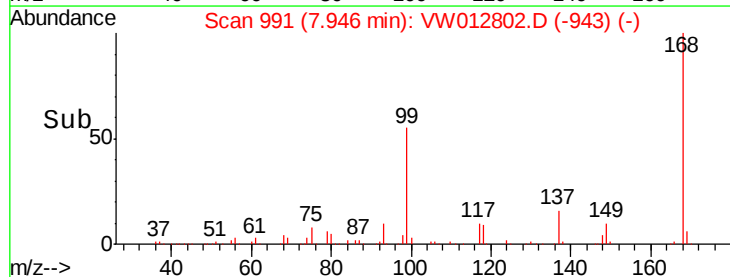
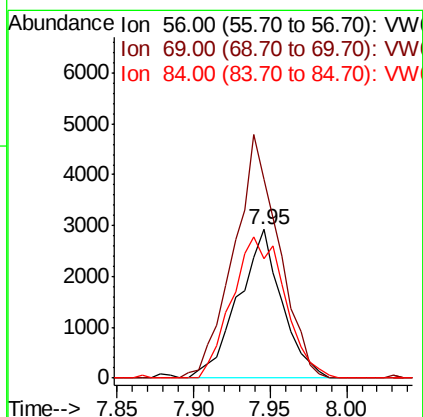
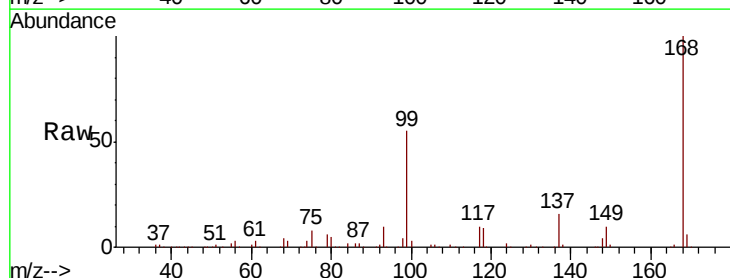
Instrument :
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PAR-11-D2-(4)

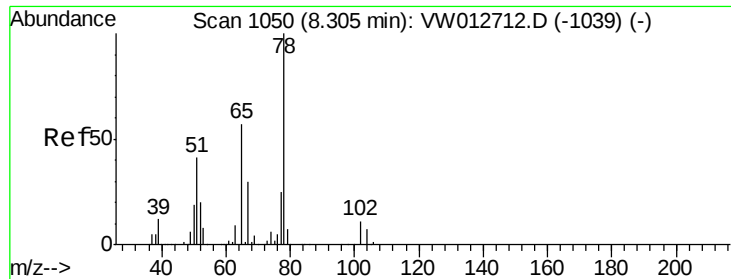
Tgt Ion: 42 Resp: 4155
Ion Ratio Lower Upper
42 100
72 36.6 28.4 42.6
71 29.5 27.1 40.7



#31
Cyclohexane
Concen: 1.371 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

Tgt Ion: 56 Resp: 5787
Ion Ratio Lower Upper
56 100
69 133.5 25.7 38.5#
84 80.2 60.4 90.6

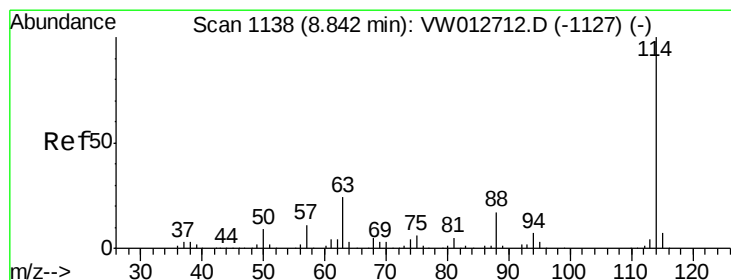
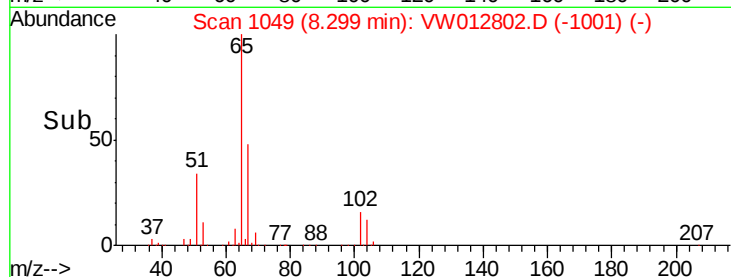
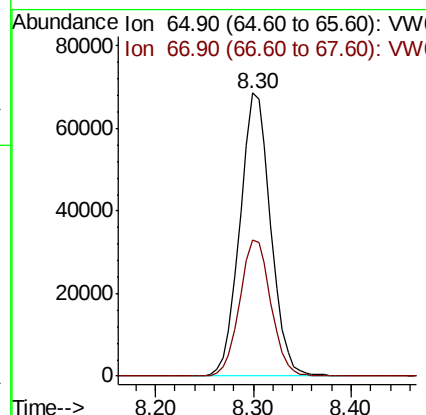
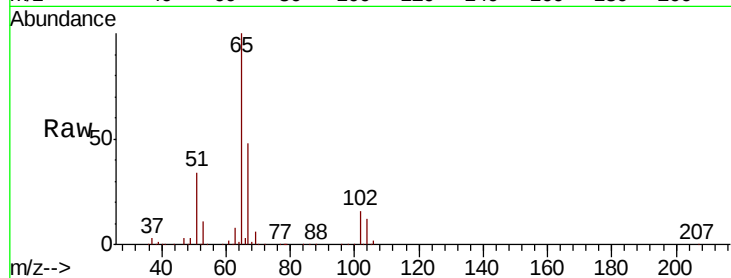




#33
 1,2-Dichloroethane-d4
 Concen: 52.174 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012802.D
 Acq: 09 Sep 2019 05:59

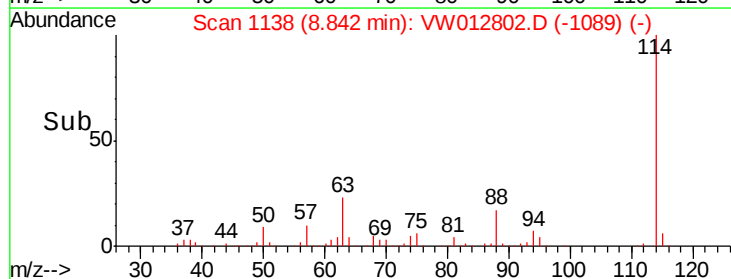
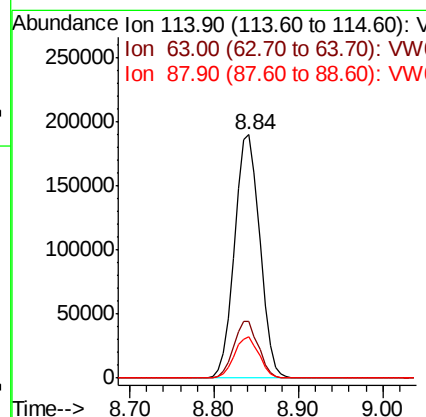
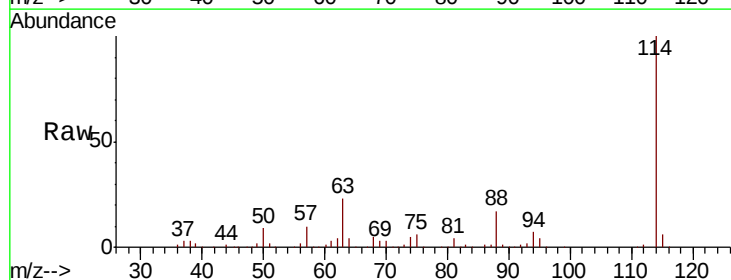
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-D2-(4)

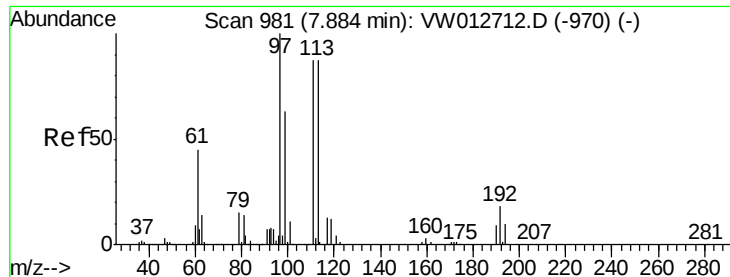
Tgt Ion: 65 Resp: 149821
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012802.D
 Acq: 09 Sep 2019 05:59

Tgt Ion: 114 Resp: 386000
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.8 0.0 34.0

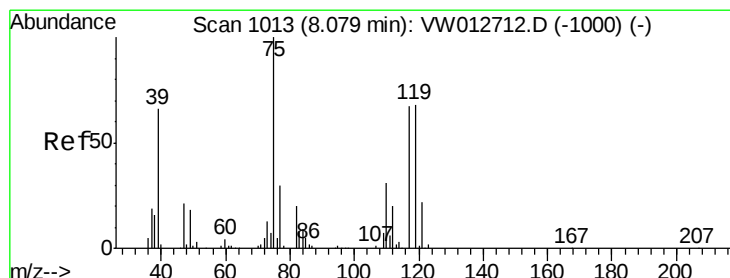
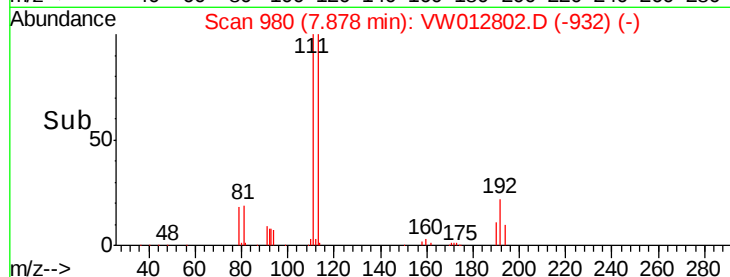
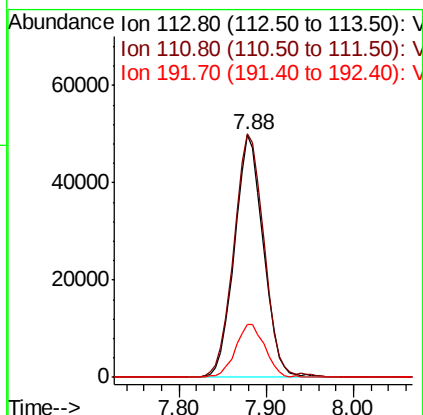
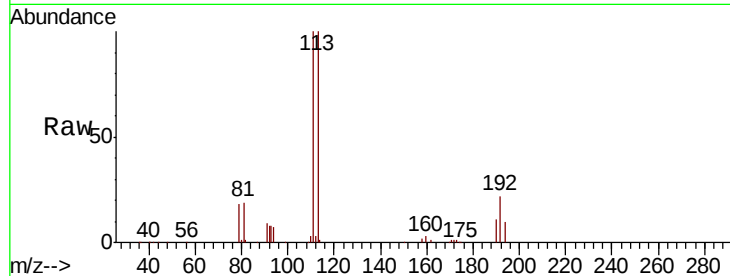




#35
 Dibromofluoromethane
 Concen: 49.946 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012802.D
 Acq: 09 Sep 2019 05:59

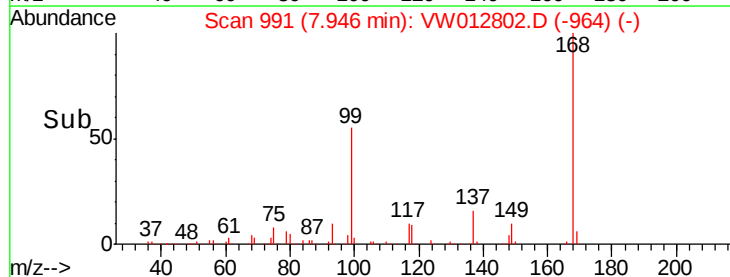
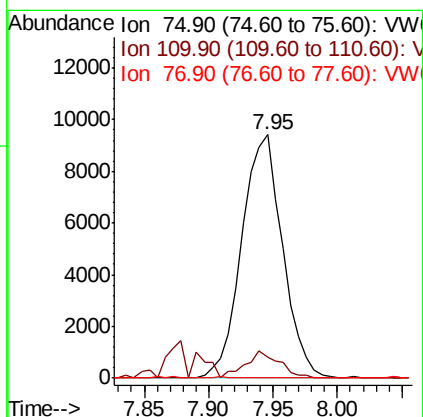
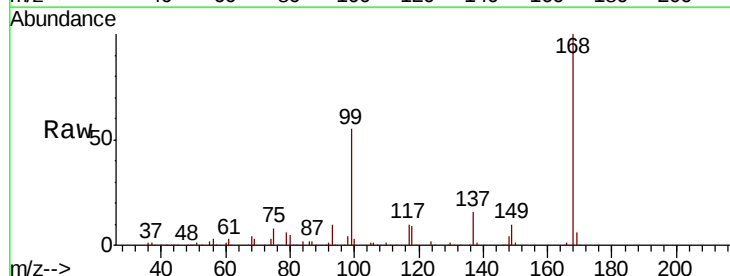
Instrument :
 MSVOA_W
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 PAR-11-D2-(4)

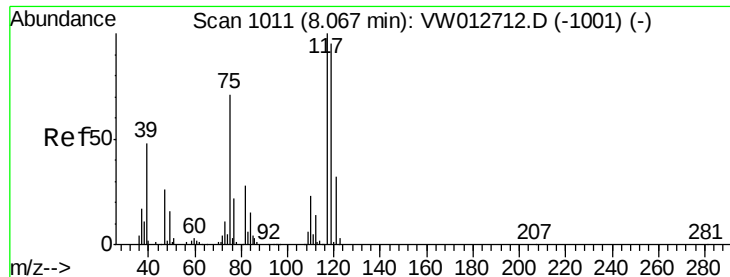
Tgt Ion: 113 Resp: 114619
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.2 120.4
 192 22.3 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 6.028 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012802.D
 Acq: 09 Sep 2019 05:59

Tgt Ion: 75 Resp: 20675
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.9 47.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.617 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D2-(4)

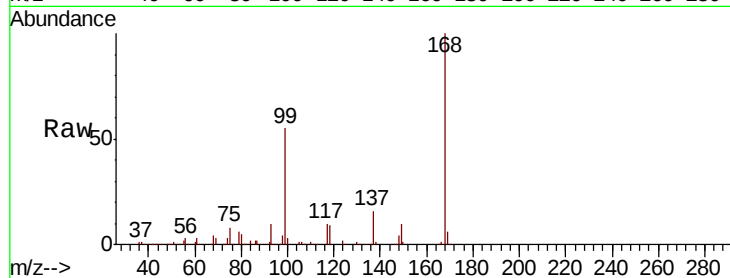
Tgt Ion:117 Resp: 25753

Ion Ratio Lower Upper

117 100

119 3.7 76.2 114.2#

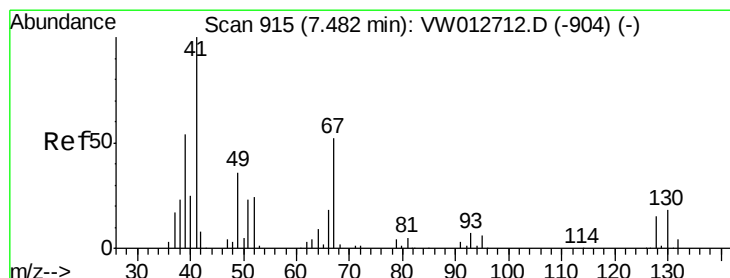
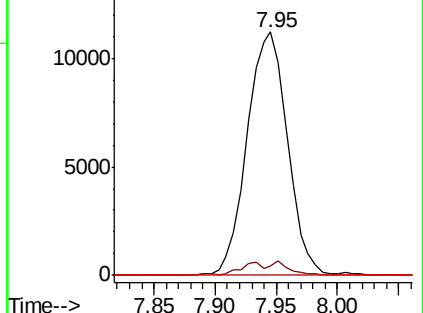
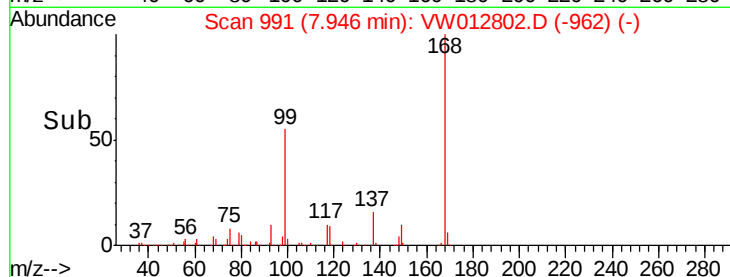
121 0.0 25.4 38.2#



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: 5.246 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

Tgt Ion: 41 Resp: 2265

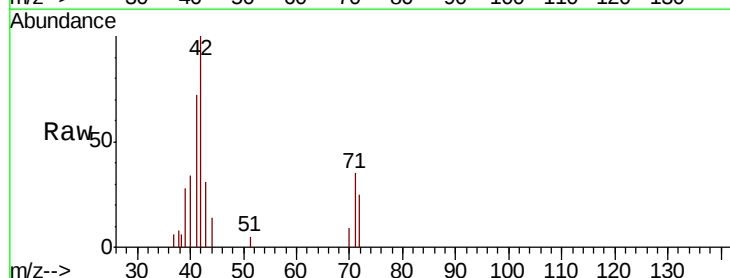
Ion Ratio Lower Upper

41 100

39 54.1 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

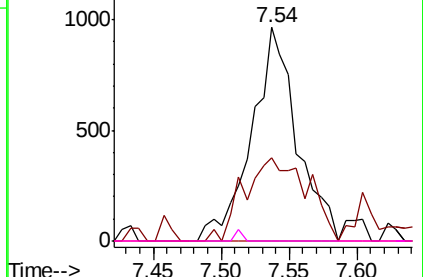
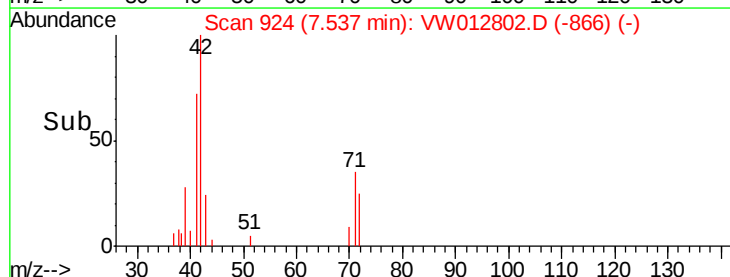


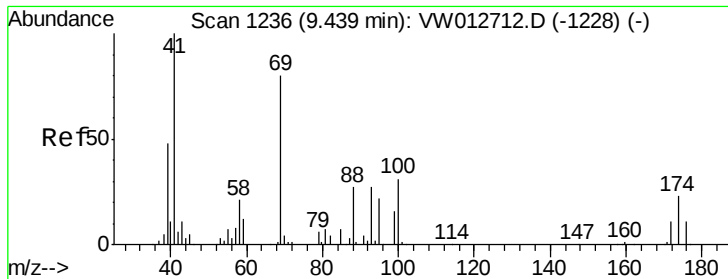
Abundance Ion 41.00 (40.70 to 41.70): VW

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

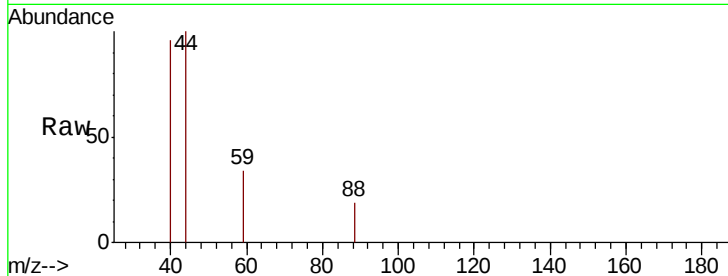




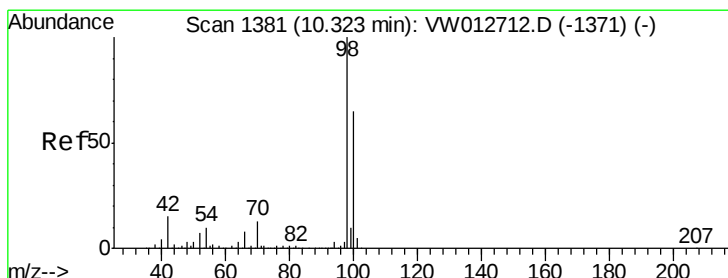
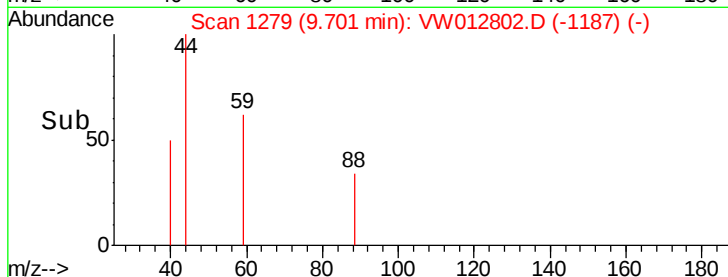
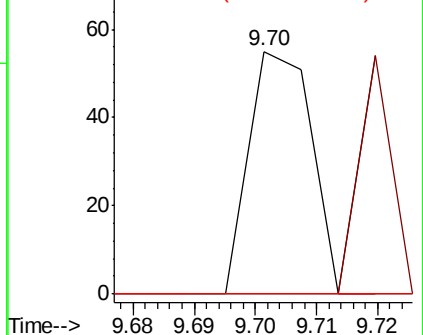
#49
1,4-Dioxane
Concen: 1.580 ug/l
RT: 9.70 min Scan# 1279
Delta R.T. 0.26 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D2-(4)

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 0.0 64.1 96.1#

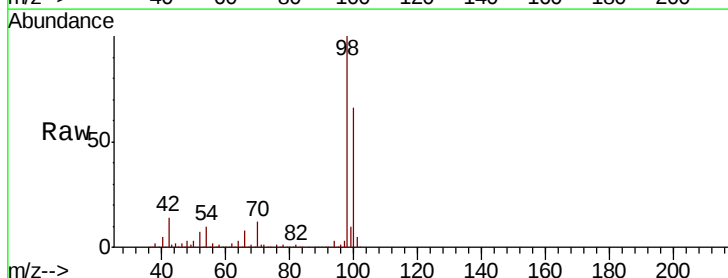


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

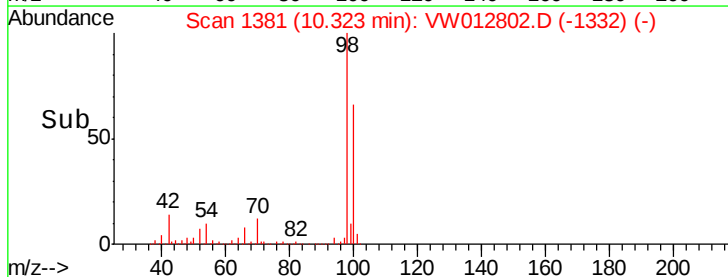
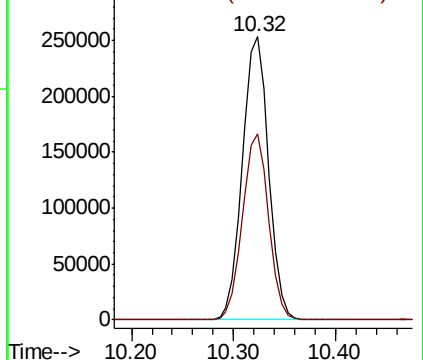


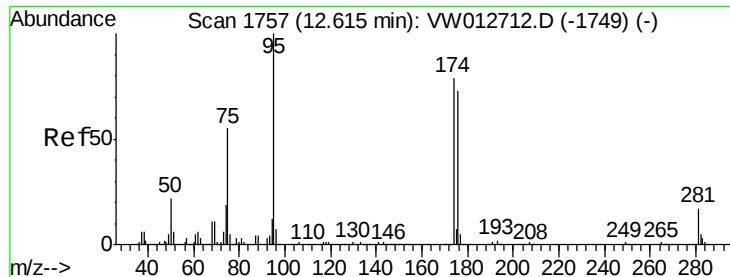
#50
Toluene-d8
Concen: 50.252 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

Tgt Ion: 98 Resp: 451809
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: 40.406 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-D2-(4)

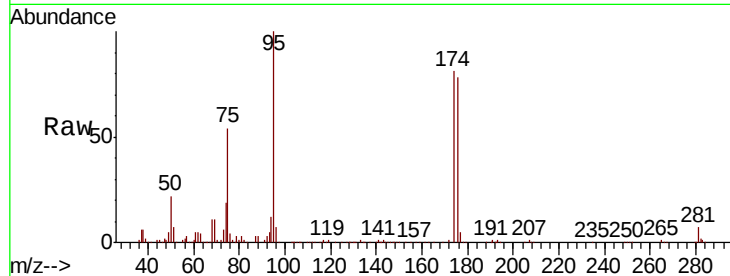
Tgt Ion: 95 Resp: 131884

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.0

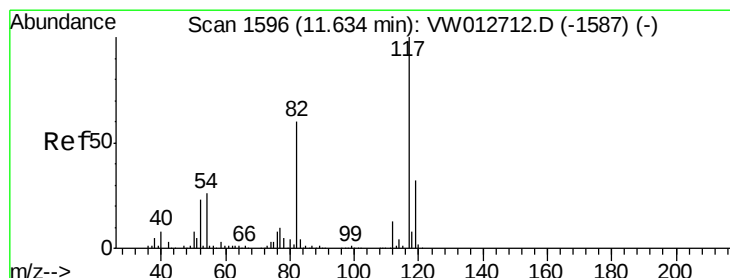
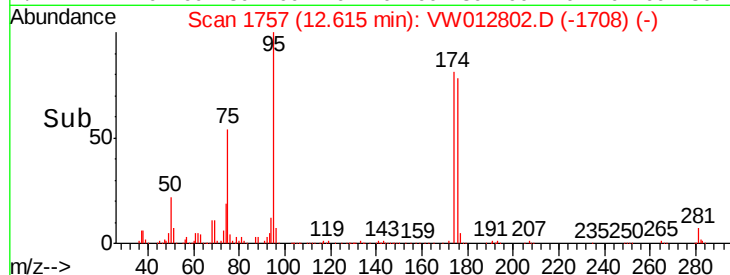
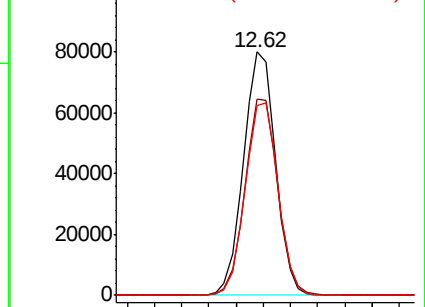
176 81.3 0.0 156.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

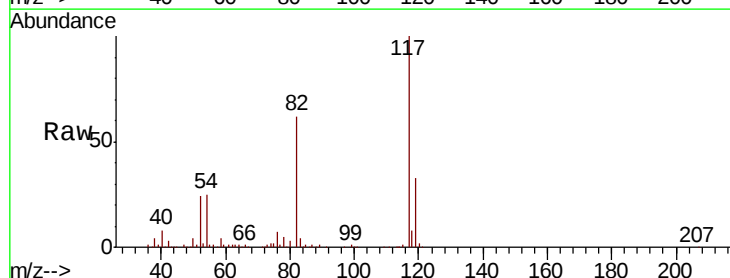
Tgt Ion: 117 Resp: 304135

Ion Ratio Lower Upper

117 100

82 62.0 48.2 72.4

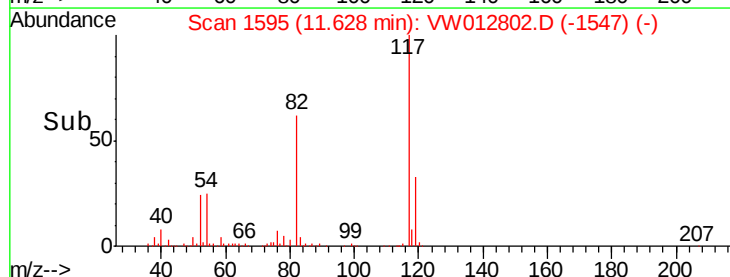
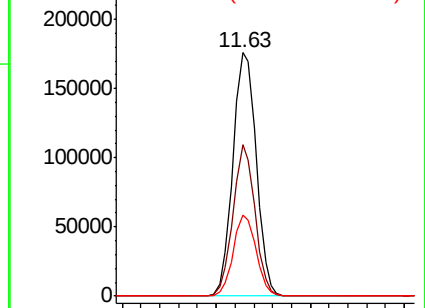
119 33.2 25.8 38.6

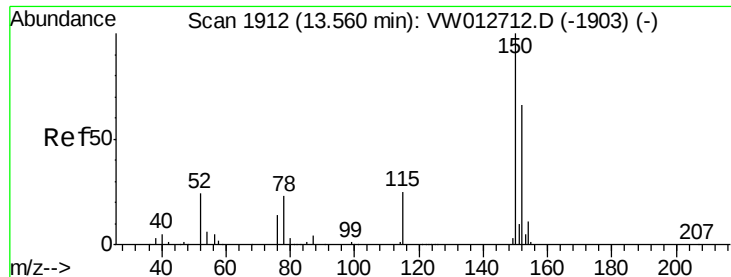


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012802.D

Acq: 09 Sep 2019 05:59

Instrument :

MSVOA_W

ClientSampled :

PAR-11-D2-(4)

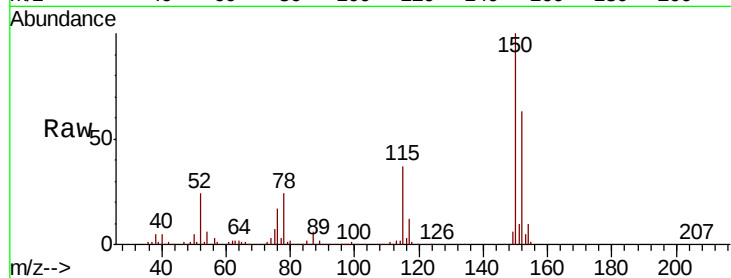
Tgt Ion:152 Resp: 111042

Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.1

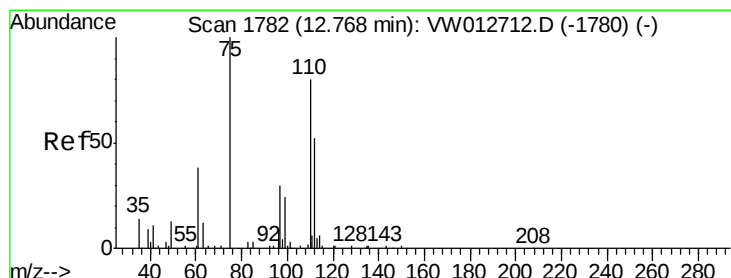
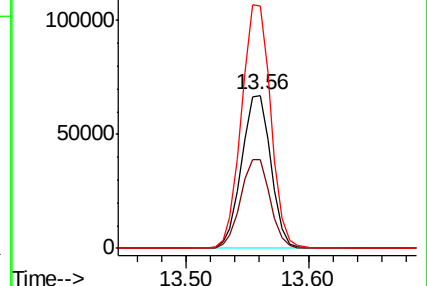
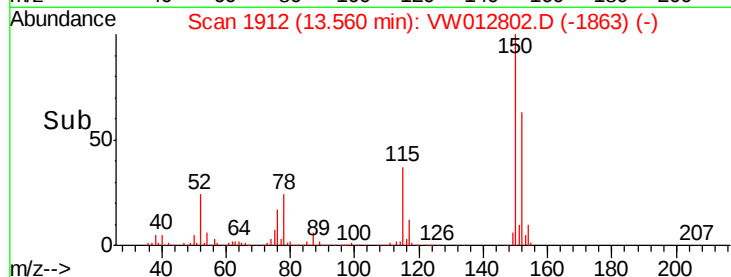
150 158.6 0.0 349.0



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: 62.624 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012802.D

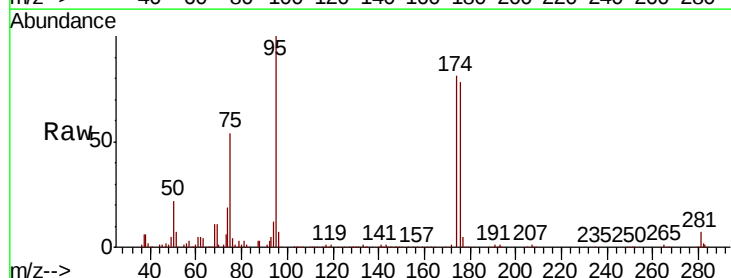
Acq: 09 Sep 2019 05:59

Tgt Ion: 75 Resp: 71107

Ion Ratio Lower Upper

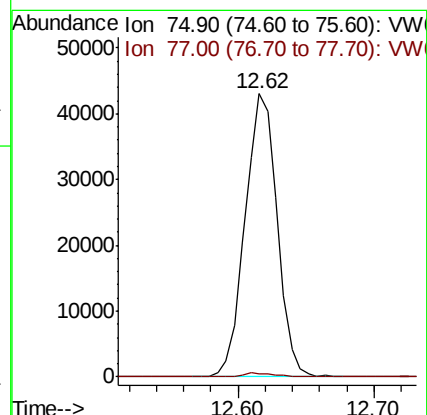
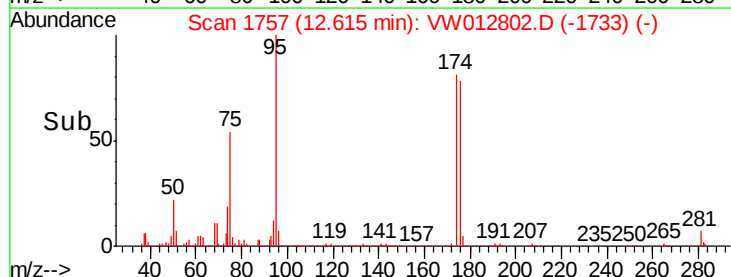
75 100

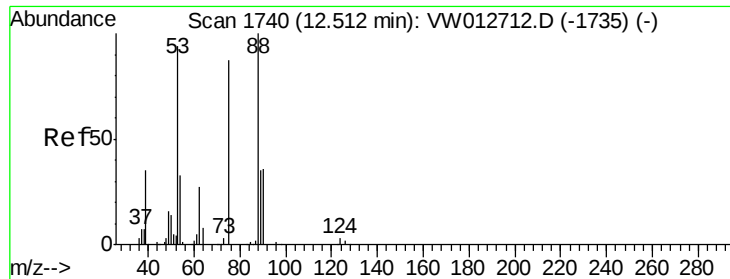
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

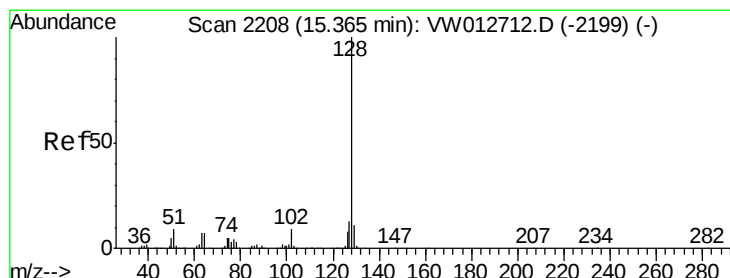
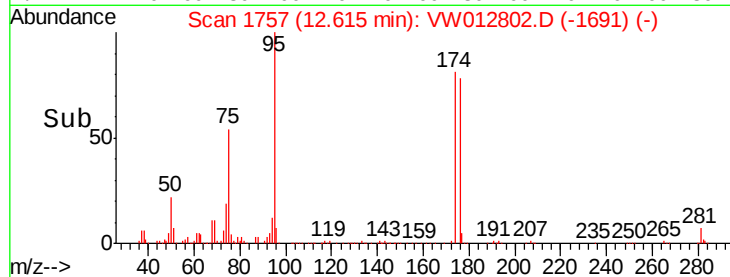
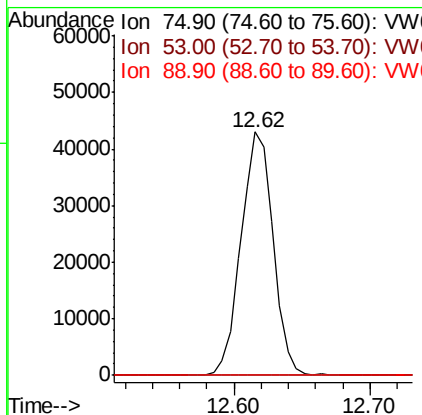
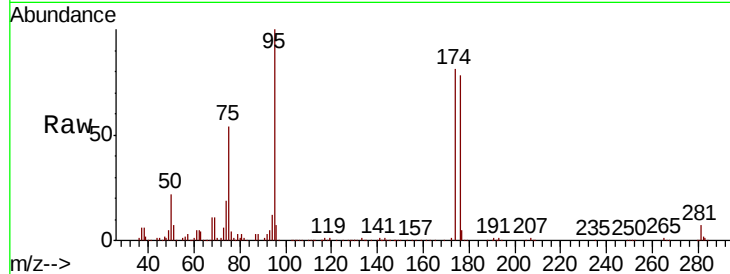




#81
trans-1,4-Dichloro-2-butene
Concen: 132.455 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-D2-(4)

Tgt Ion: 75 Resp: 71107
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.1 35.5 53.3#



#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012802.D
Acq: 09 Sep 2019 05:59

Tgt Ion: 128 Resp: 386
Ion Ratio Lower Upper
128 100
127 7.3 10.7 16.1#
129 0.0 8.7 13.1#

