

Data File : VW012766.D
Acq On : 08 Sep 2019 13:53
Operator : SY/VA
Sample : K4603-03
Misc : 3.94G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E1-(0)

Quant Time: Sep 09 05:57:29 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	239685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114849	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142275	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.88	113	110367	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.32	98	423208	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.62	95	130800	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	

Target Compounds

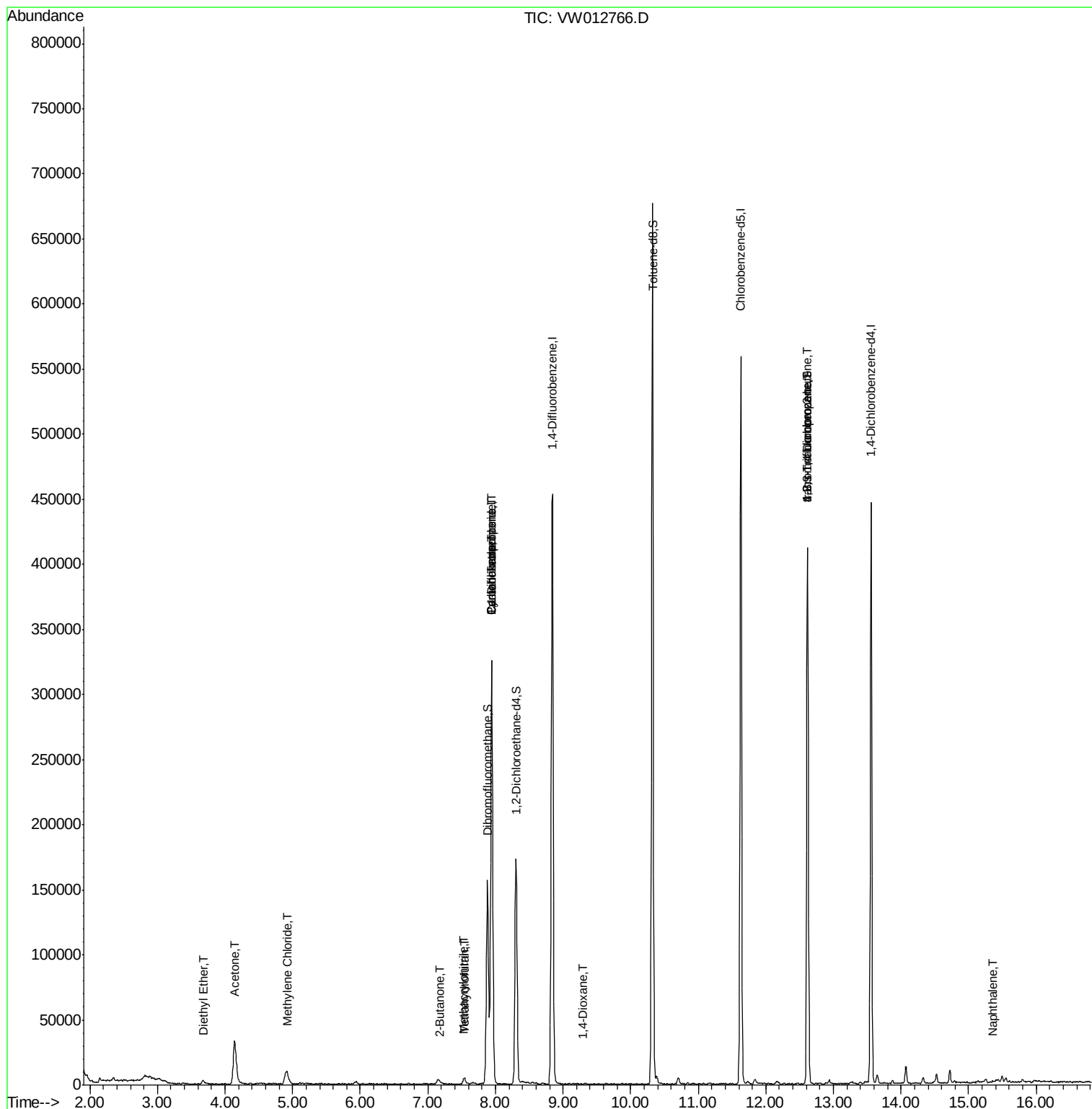
						Qvalue
8) Diethyl Ether	3.67	74	1447	1.289	ug/l	70
16) Acetone	4.14	43	70925	97.145	ug/l	97
20) Methylene Chloride	4.92	84	8014	3.509	ug/l	94
25) 2-Butanone	7.18	43	887	20.440	ug/l #	53
29) Tetrahydrofuran	7.54	42	4021	6.820	ug/l	99
31) Cyclohexane	7.95	56	5615	1.426	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19177	5.820	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23297	7.172	ug/l #	16
41) Methacrylonitrile	7.52	41	2786	5.640	ug/l #	58
49) 1,4-Dioxane	9.29	88	35	1.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70616	60.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70616	127.180	ug/l #	6
95) Naphthalene	15.36	128	887	4.607	ug/l #	89

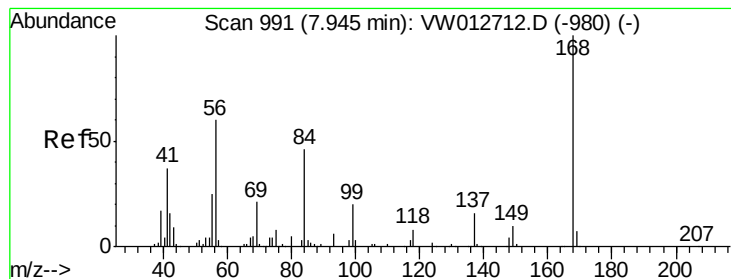
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

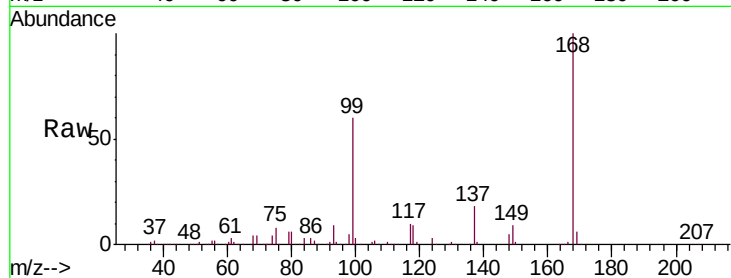
PAR-E1-(0)

Tgt Ion:168 Resp: 239685

Ion Ratio Lower Upper

168 100

99 60.5 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

120000

100000

80000

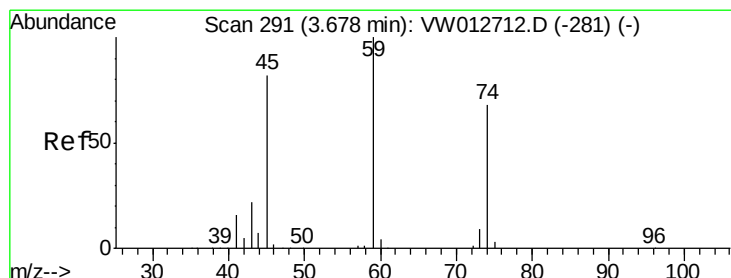
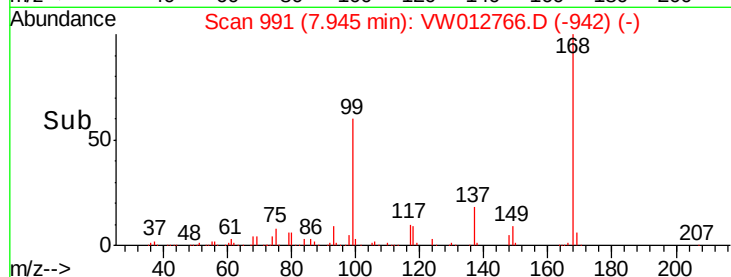
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.289 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012766.D

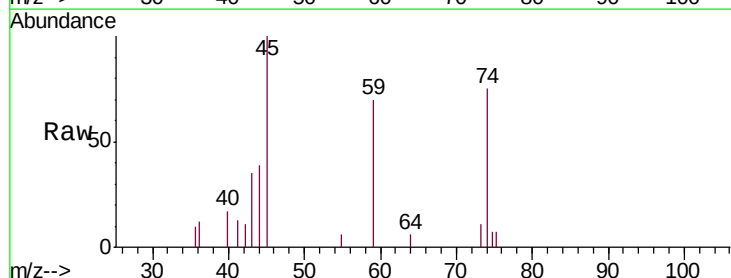
Acq: 08 Sep 2019 13:53

Tgt Ion: 74 Resp: 1447

Ion Ratio Lower Upper

74 100

45 150.8 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

1000

800

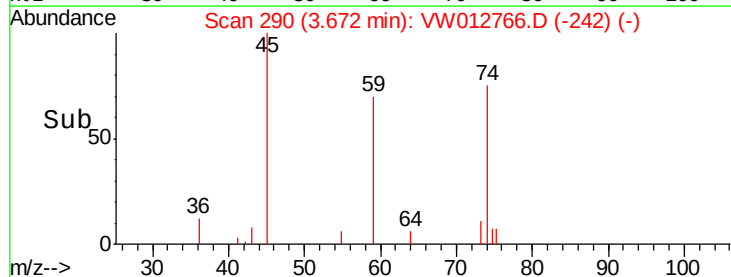
600

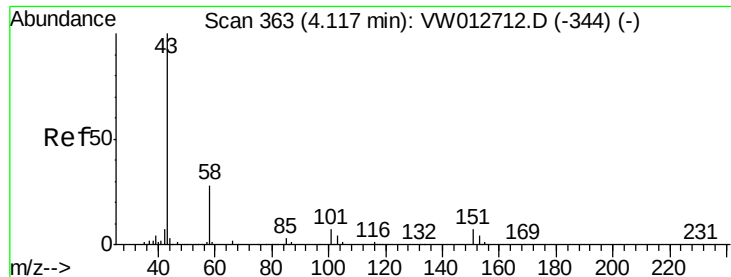
400

200

0

Time-->





#16

Acetone

Concen: 97.145 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

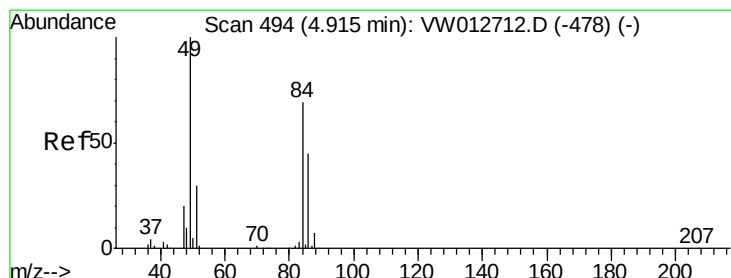
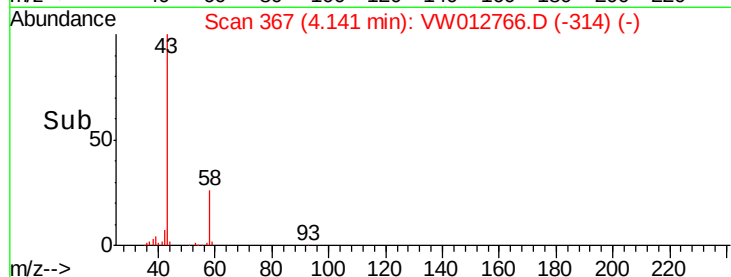
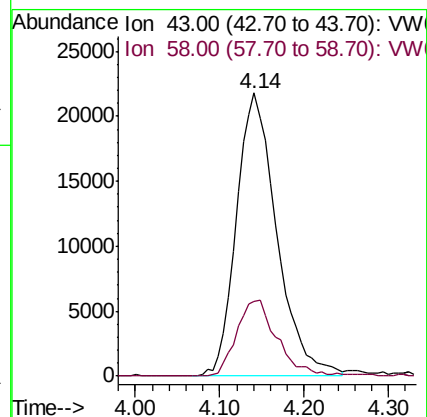
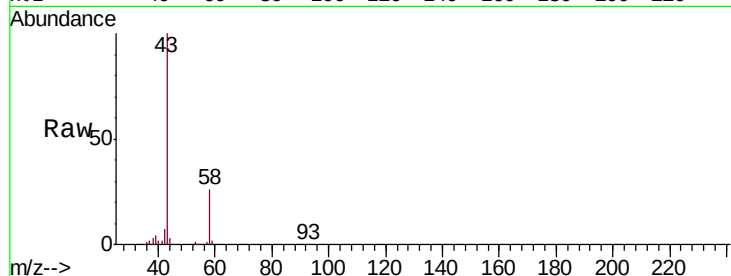
PAR-E1-(0)

Tgt Ion: 43 Resp: 70925

Ion Ratio Lower Upper

43 100

58 26.5 22.6 33.8



#20

Methylene Chloride

Concen: 3.509 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Tgt Ion: 84 Resp: 8014

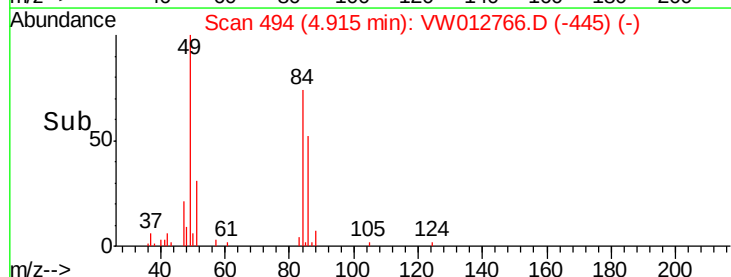
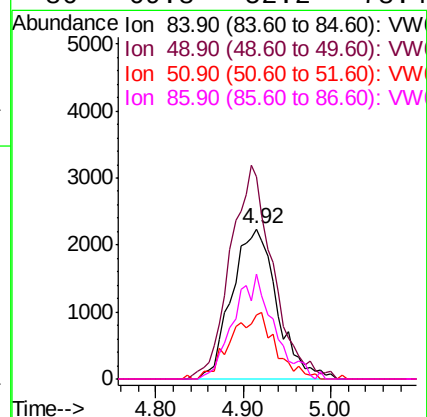
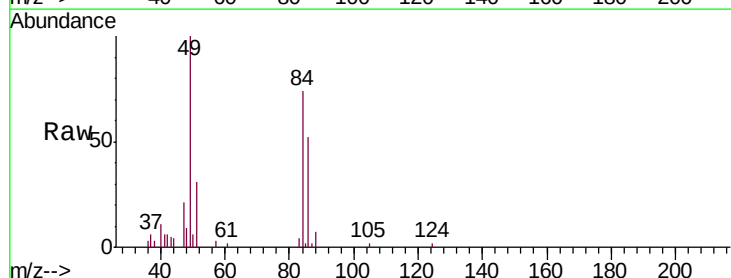
Ion Ratio Lower Upper

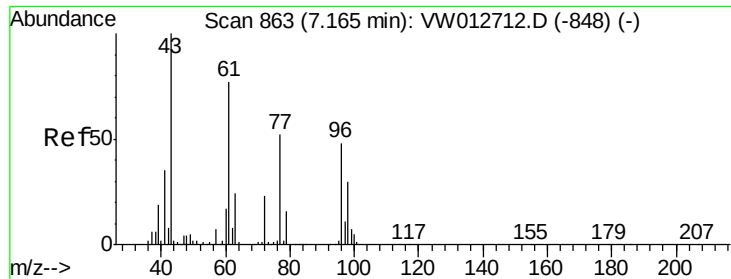
84 100

49 135.1 115.4 173.0

51 42.4 34.9 52.3

86 69.8 52.2 78.4





#25

2-Butanone

Concen: 20.440 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

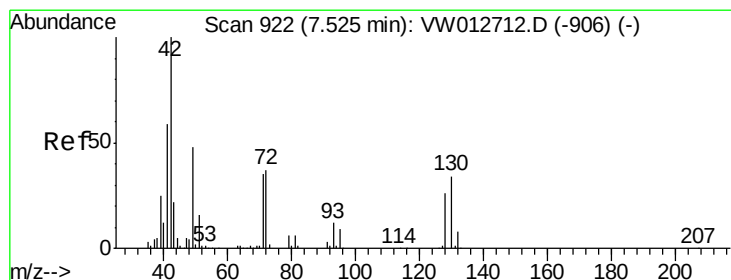
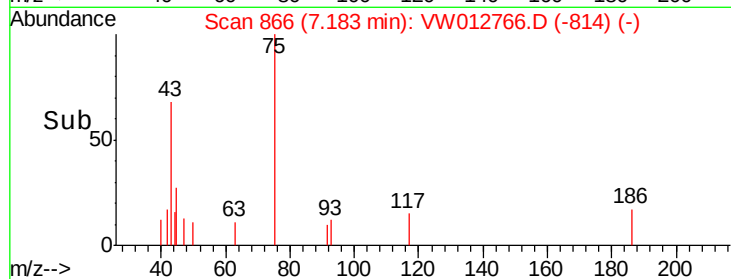
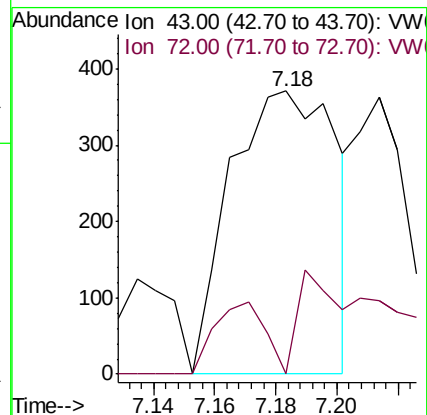
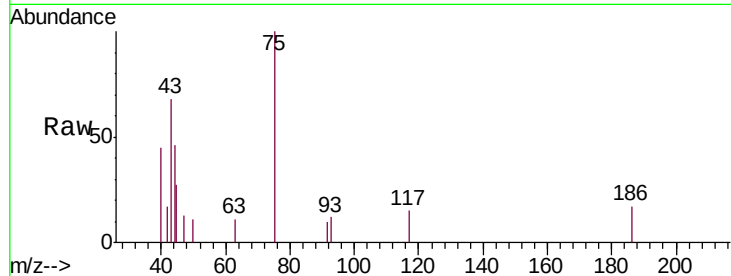
PAR-E1-(0)

Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.820 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

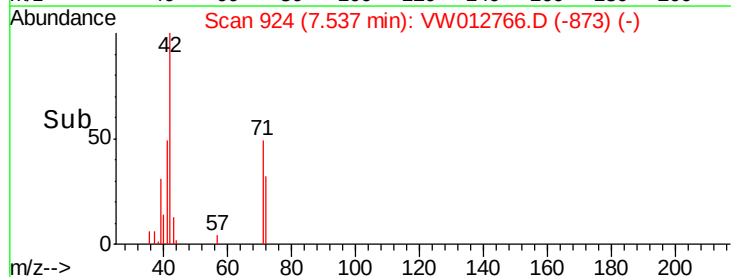
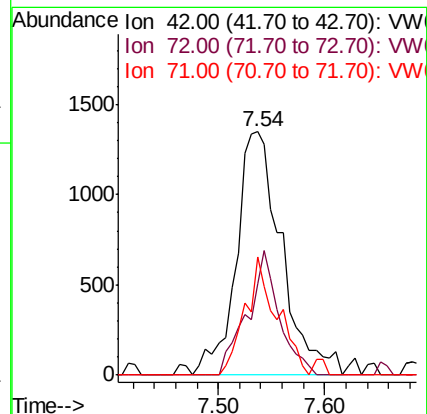
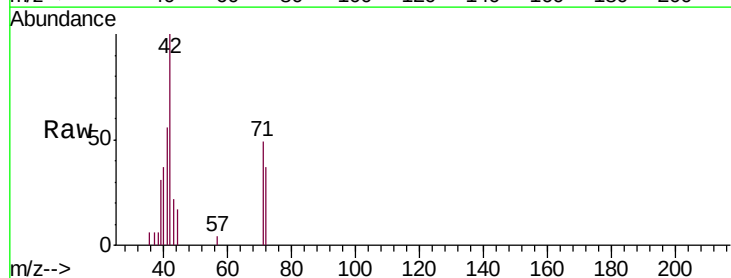
Tgt Ion: 42 Resp: 4021

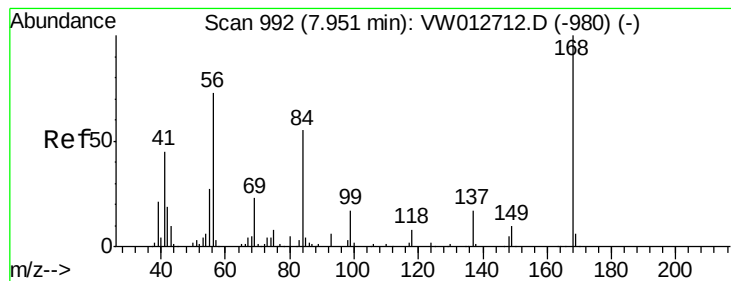
Ion Ratio Lower Upper

42 100

72 36.2 28.4 42.6

71 34.2 27.1 40.7





#31

Cyclohexane

Concen: 1.426 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampled :

PAR-E1-(0)

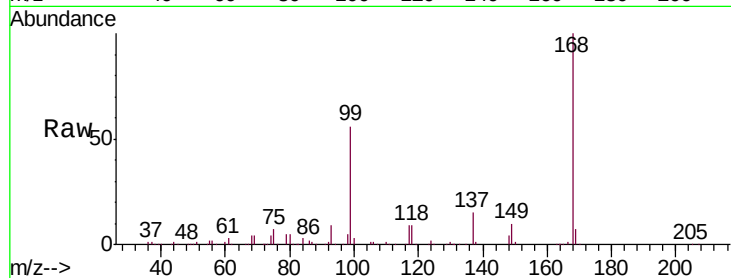
Tgt Ion: 56 Resp: 5615

Ion Ratio Lower Upper

56 100

69 152.5 25.7 38.5#

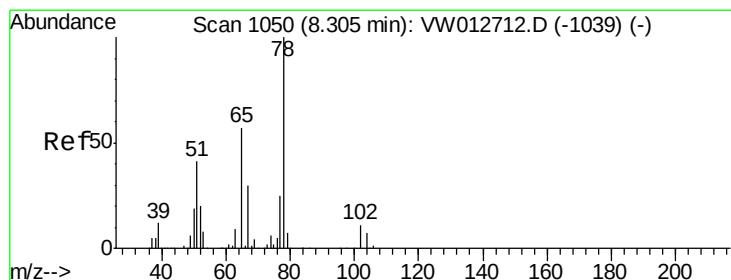
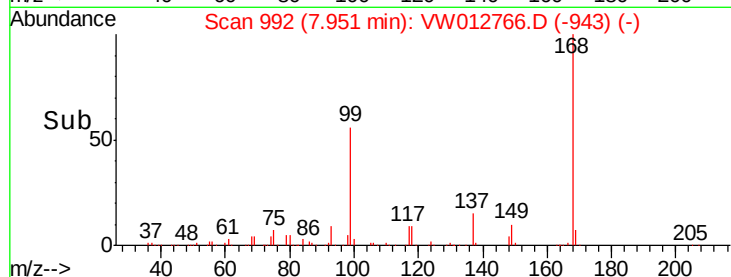
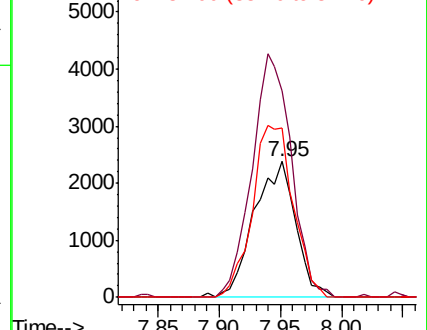
84 124.4 60.4 90.6#



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: 53.126 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012766.D

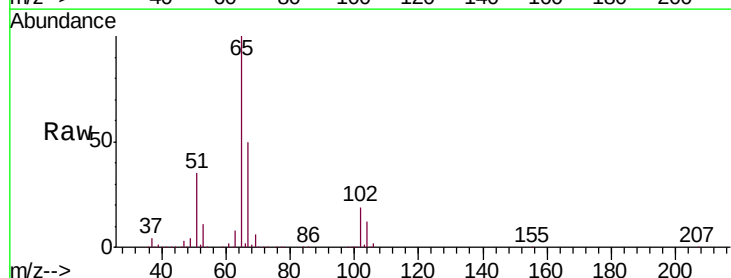
Acq: 08 Sep 2019 13:53

Tgt Ion: 65 Resp: 142275

Ion Ratio Lower Upper

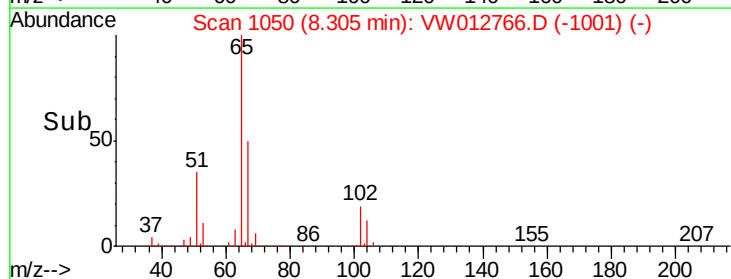
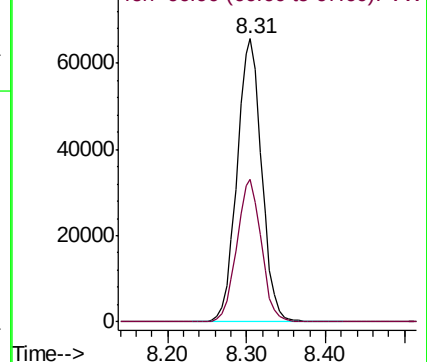
65 100

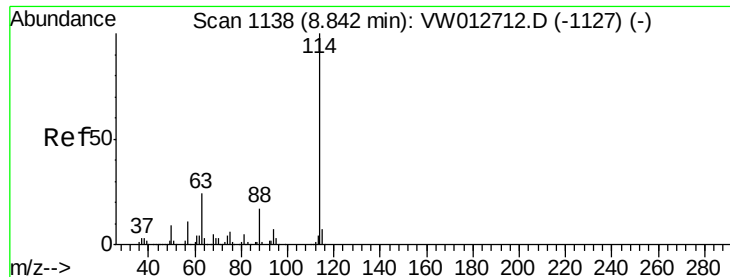
67 50.1 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

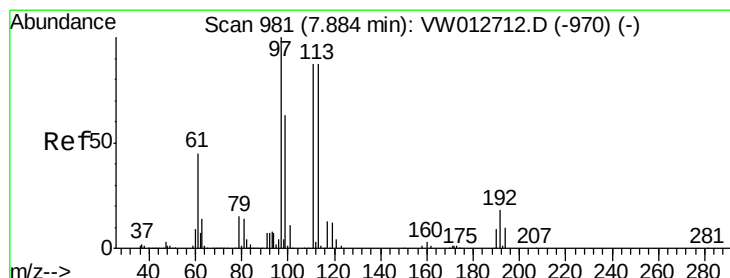
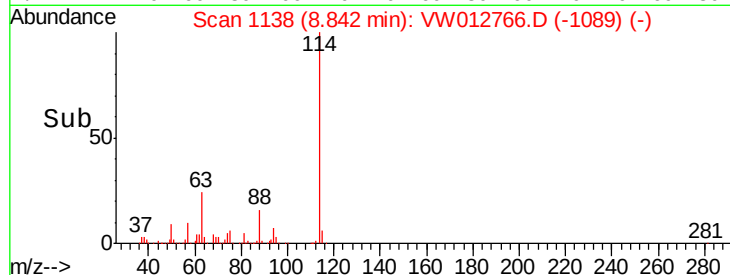
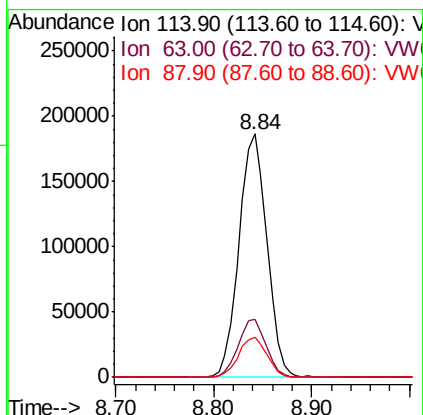
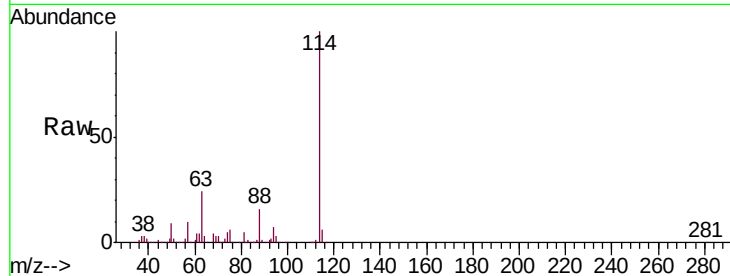




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012766.D
 Acq: 08 Sep 2019 13:53

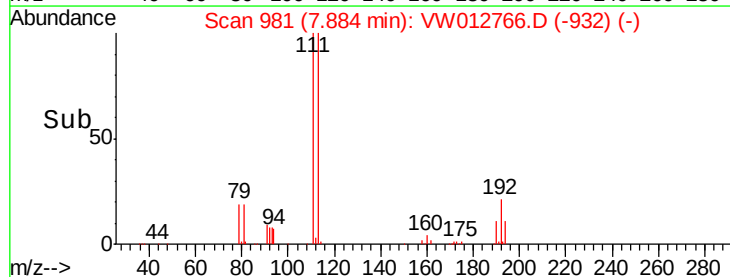
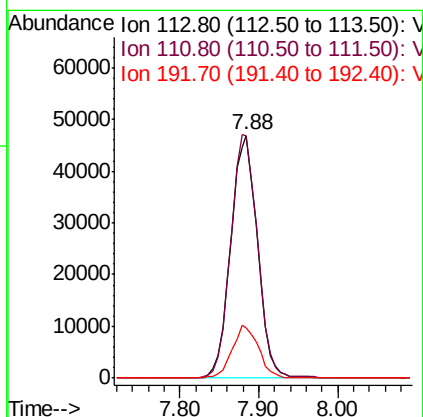
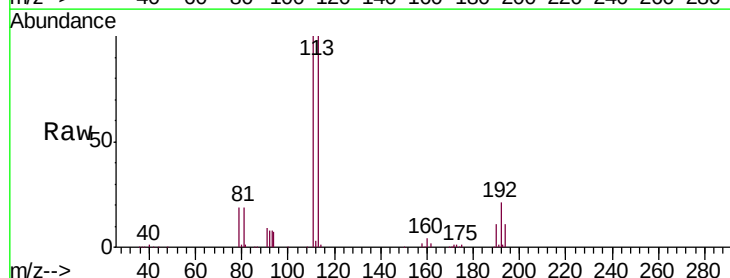
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E1-(0)

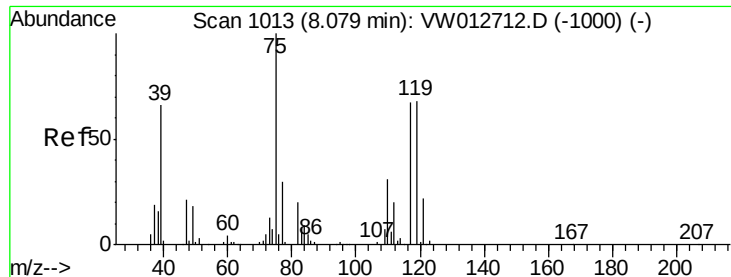
Tgt Ion:114 Resp: 370871
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 16.4 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 50.055 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012766.D
 Acq: 08 Sep 2019 13:53

Tgt Ion:113 Resp: 110367
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.2 120.4
 192 21.3 17.3 25.9

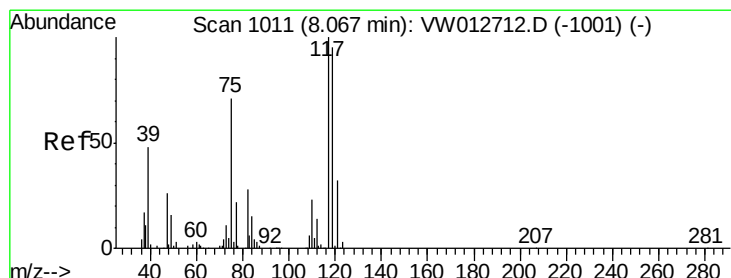
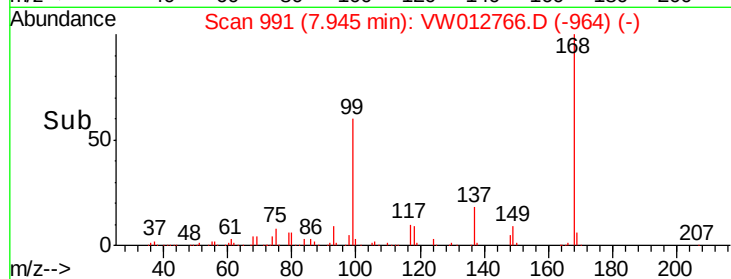
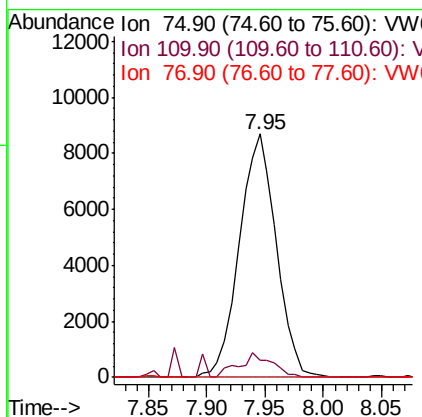
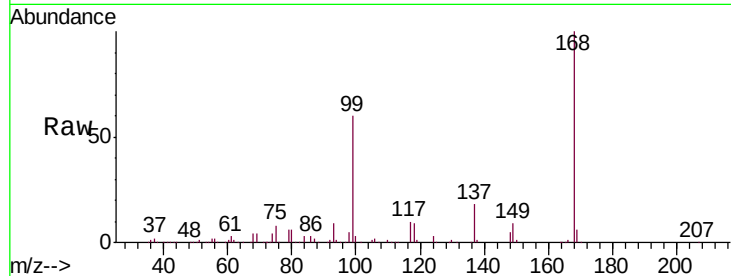




#36
 1,1-Dichloropropene
 Concen: 5.820 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012766.D
 Acq: 08 Sep 2019 13:53

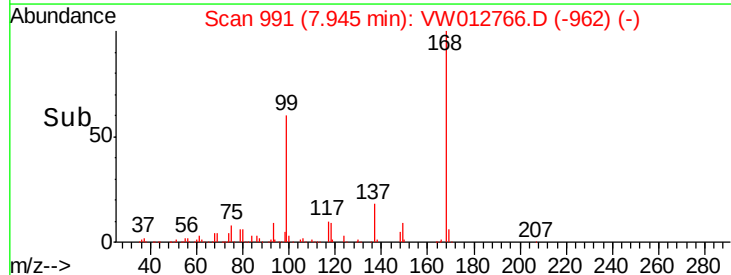
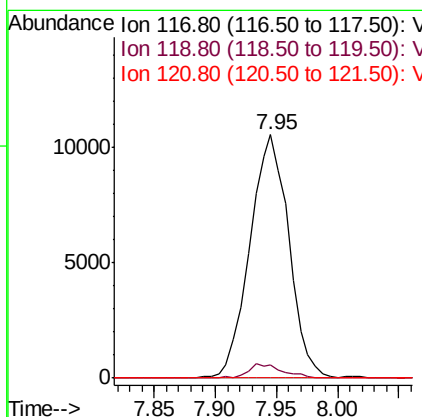
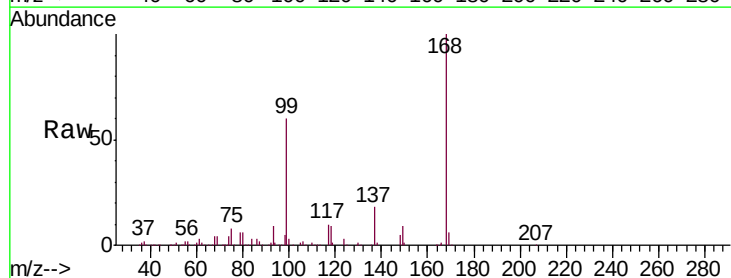
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E1-(0)

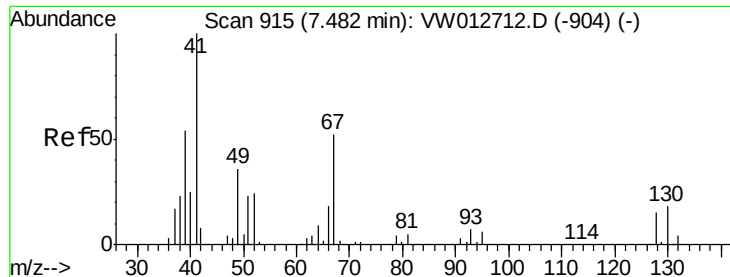
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.172 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012766.D
 Acq: 08 Sep 2019 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	25.4	38.2#

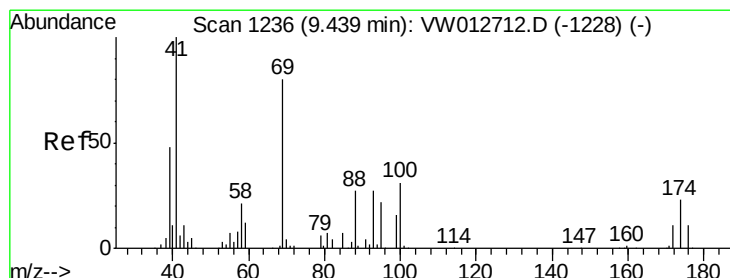
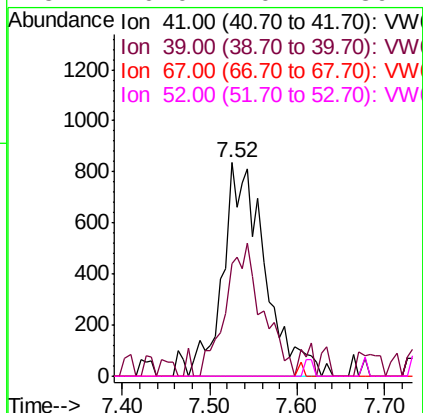
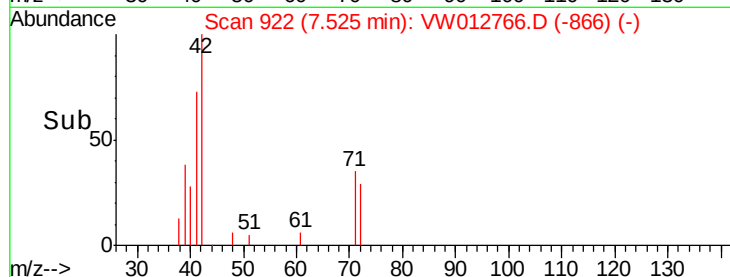
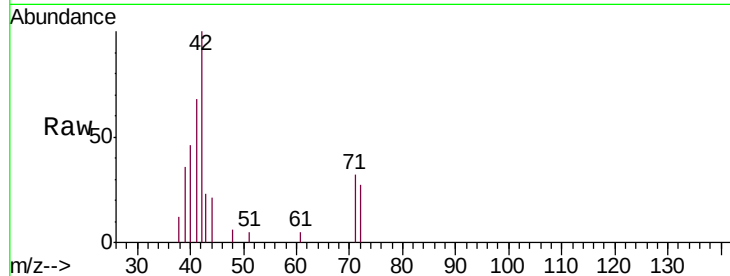




#41
Methacrylonitrile
Concen: 5.640 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012766.D
Acq: 08 Sep 2019 13:53

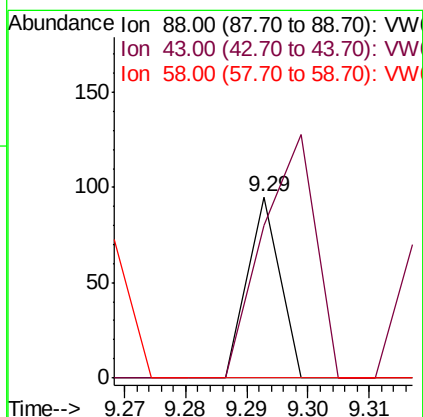
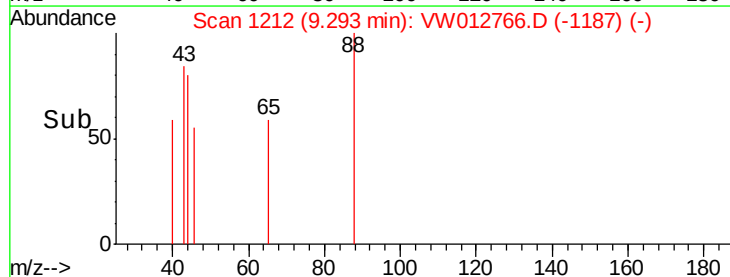
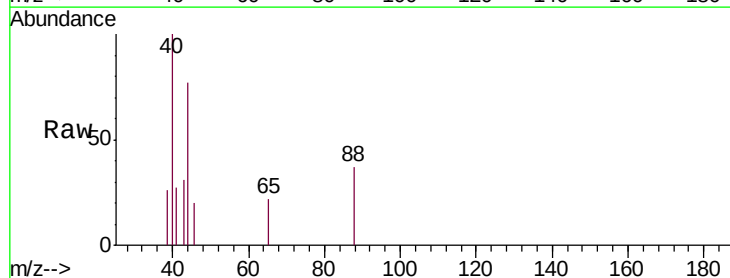
Instrument :
MSVOA_W
ClientSampled :
PAR-E1-(0)

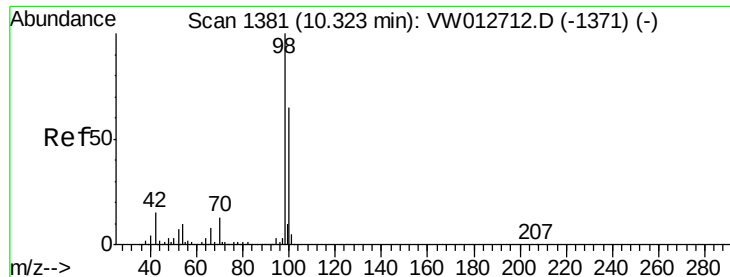
Tgt Ion: 41 Resp: 2786
Ion Ratio Lower Upper
41 100
39 54.8 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#49
1,4-Dioxane
Concen: 1.476 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.15 min
Lab File: VW012766.D
Acq: 08 Sep 2019 13:53

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 217.1 34.8 52.2#
58 0.0 64.1 96.1#





#50

Toluene-d8

Concen: 48.991 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

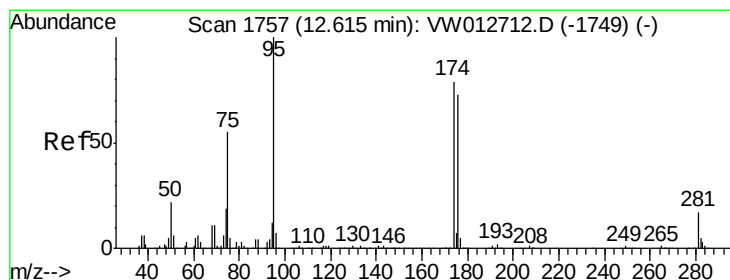
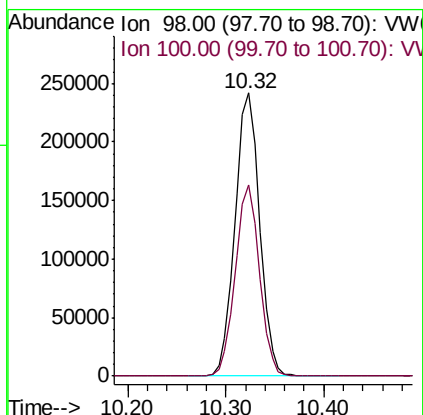
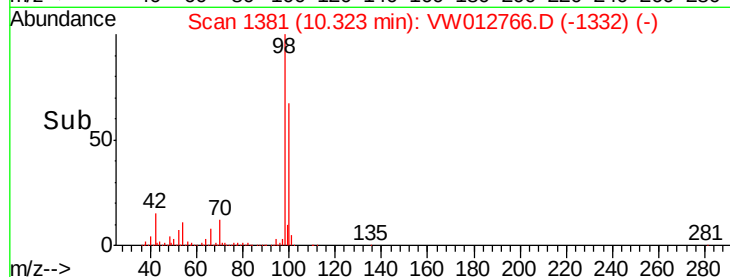
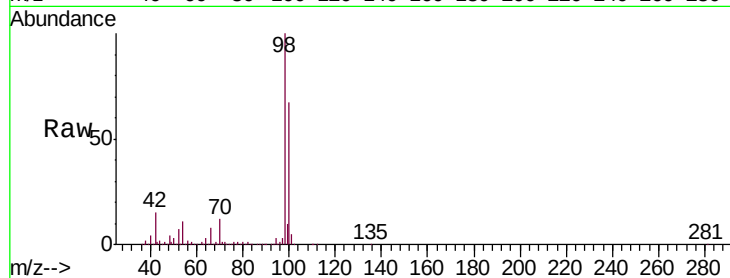
PAR-E1-(0)

Tgt Ion: 98 Resp: 423208

Ion Ratio Lower Upper

98 100

100 66.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 41.709 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

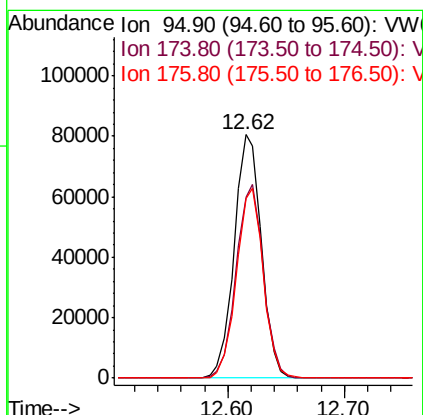
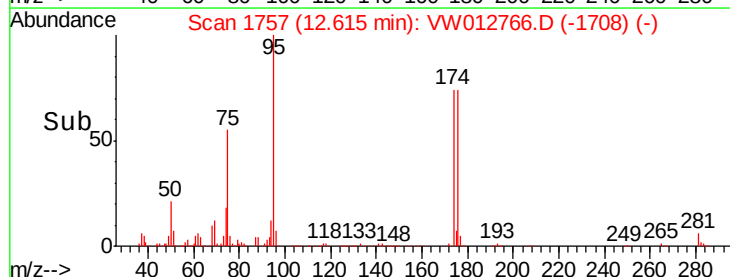
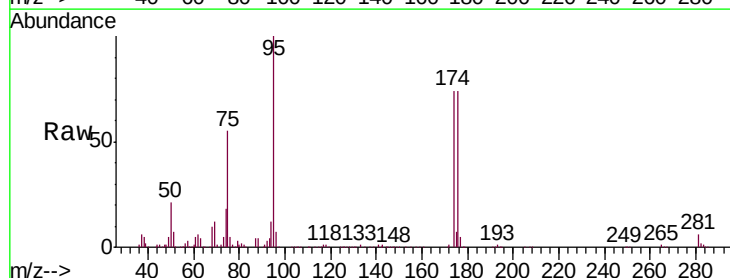
Tgt Ion: 95 Resp: 130800

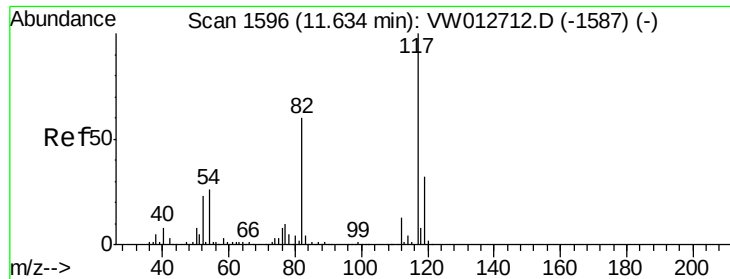
Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.0

176 77.3 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: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PAR-E1-(0)

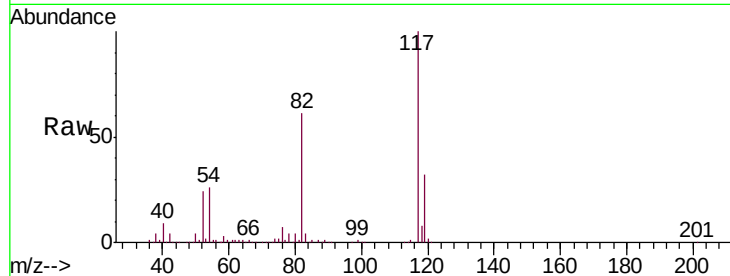
Tgt Ion:117 Resp: 292605

Ion Ratio Lower Upper

117 100

82 60.6 48.2 72.4

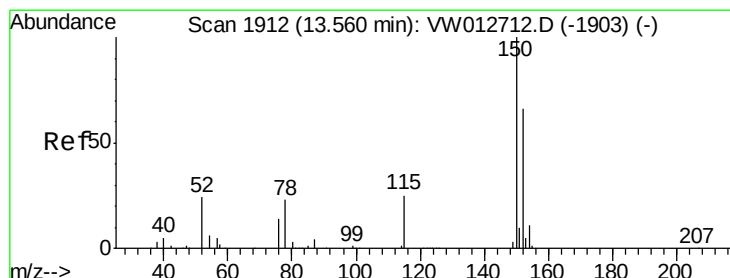
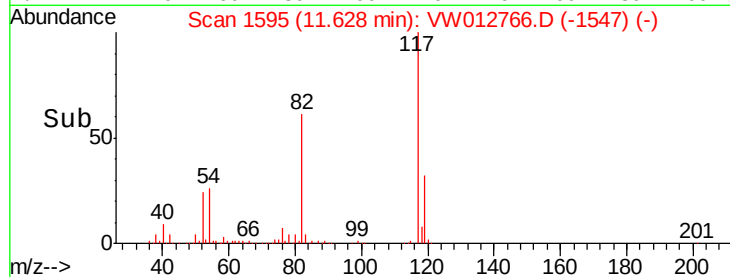
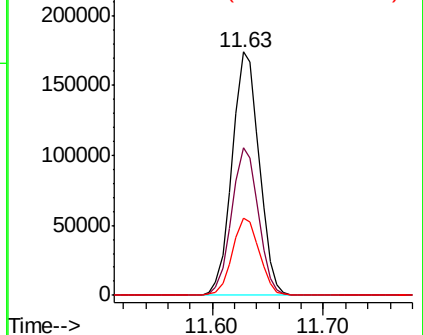
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

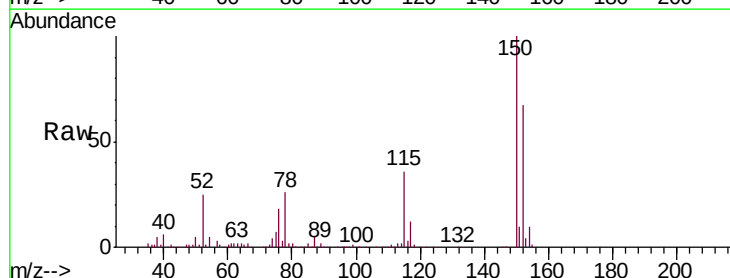
Tgt Ion:152 Resp: 114849

Ion Ratio Lower Upper

152 100

115 57.8 30.0 90.1

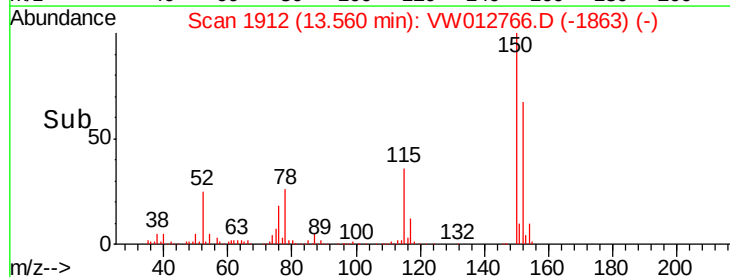
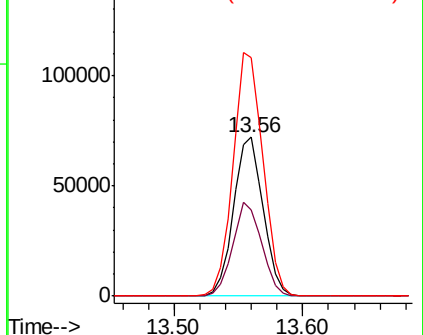
150 155.2 0.0 349.0

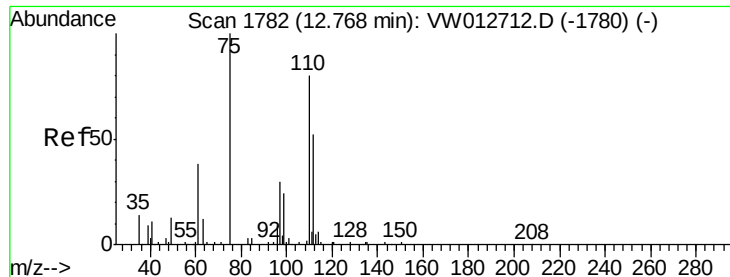


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.130 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

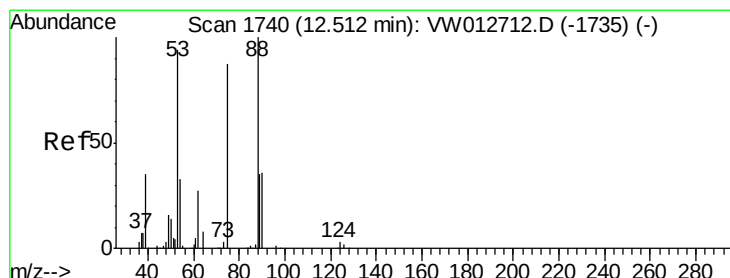
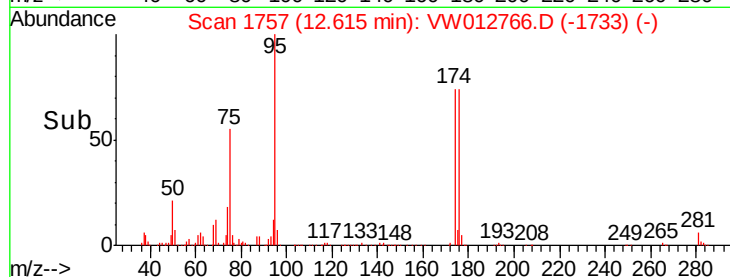
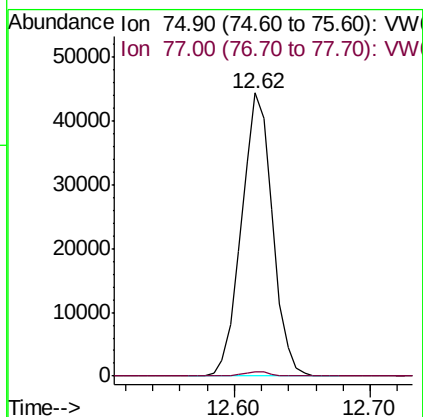
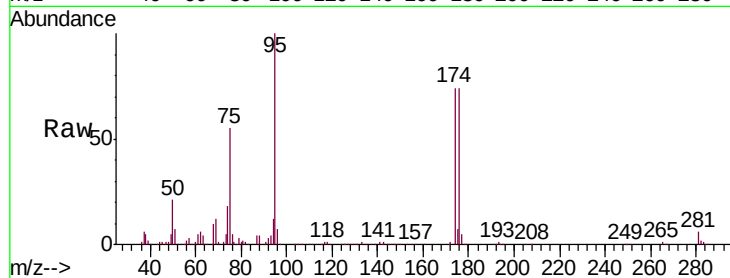
PAR-E1-(0)

Tgt Ion: 75 Resp: 70616

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.180 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012766.D

Acq: 08 Sep 2019 13:53

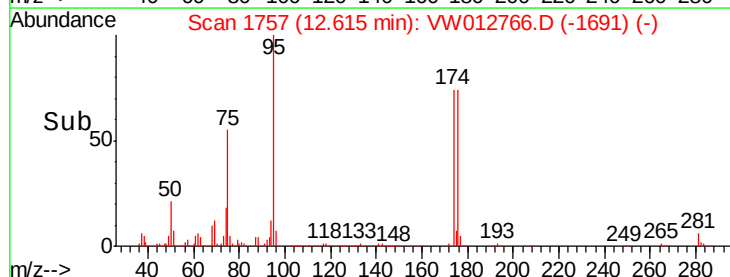
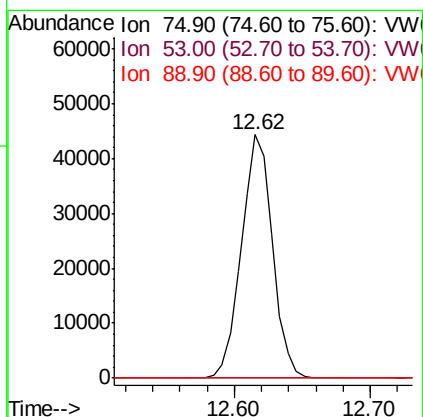
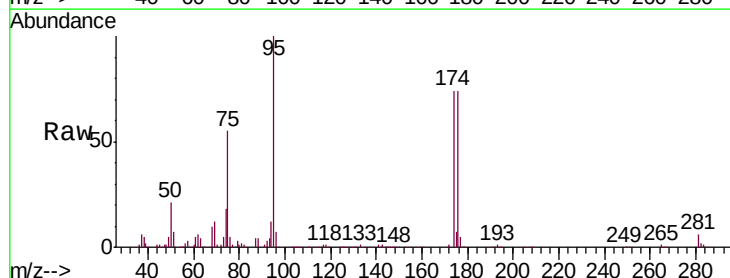
Tgt Ion: 75 Resp: 70616

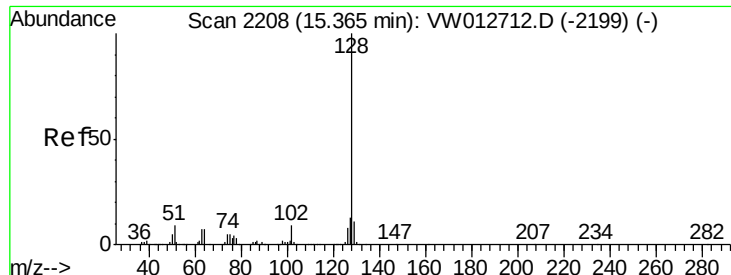
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.607 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012766.D

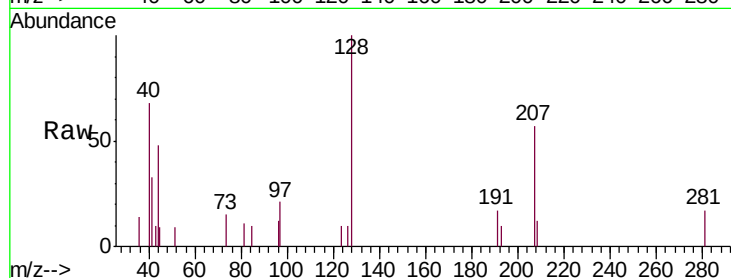
Acq: 08 Sep 2019 13:53

Instrument :

MSVOA_W

ClientSampleId :

PAR-E1-(0)



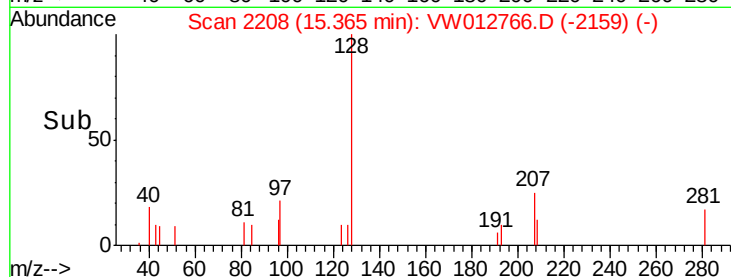
Tgt Ion:128 Resp: 887

Ion Ratio Lower Upper

128 100

127 6.8 10.7 16.1#

129 9.7 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

