

Data File : VW012791.D
Acq On : 09 Sep 2019 01:15
Operator : SY/VA
Sample : K4623-02
Misc : 7.29G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C3-(0)

Quant Time: Sep 09 06:06:21 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	228258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102344	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141207	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	7.88	113	105119	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.32	98	405353	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	117800	40.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.38%	

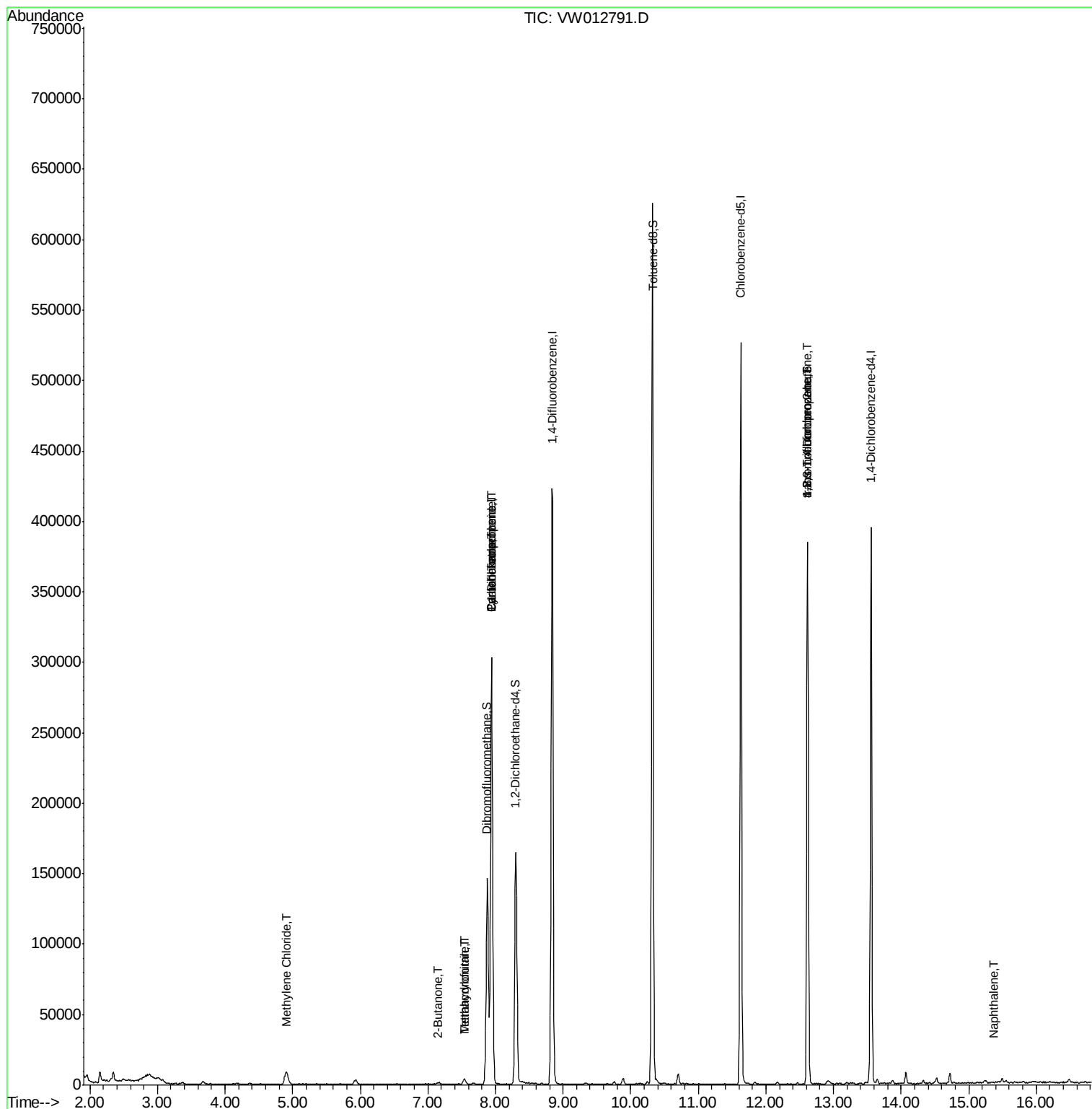
Target Compounds			Qvalue			
20) Methylene Chloride	4.90	84	6736	3.097	ug/l #	80
25) 2-Butanone	7.15	43	46	19.722	ug/l #	53
29) Tetrahydrofuran	7.54	42	3652	6.504	ug/l	97
31) Cyclohexane	7.95	56	5538	1.477	ug/l #	29
36) 1,1-Dichloropropene	7.94	75	17567	5.775	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22176	7.395	ug/l #	16
41) Methacrylonitrile	7.54	41	2247	5.412	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	64348	61.488	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64348	130.051	ug/l #	6
95) Naphthalene	15.37	128	580	4.562	ug/l #	78

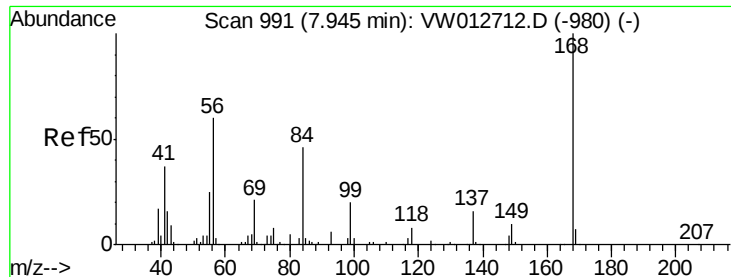
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012791.D

Acq: 09 Sep 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

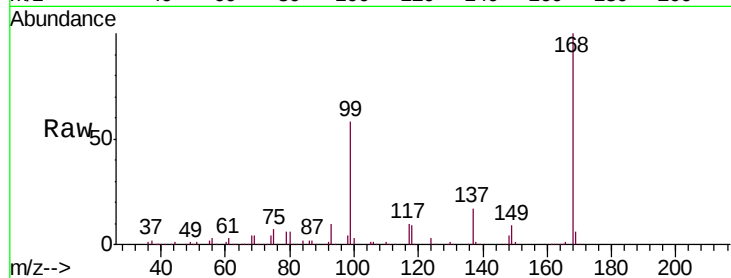
PAR-11-C3-(0)

Tgt Ion:168 Resp: 228258

Ion Ratio Lower Upper

168 100

99 58.4 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

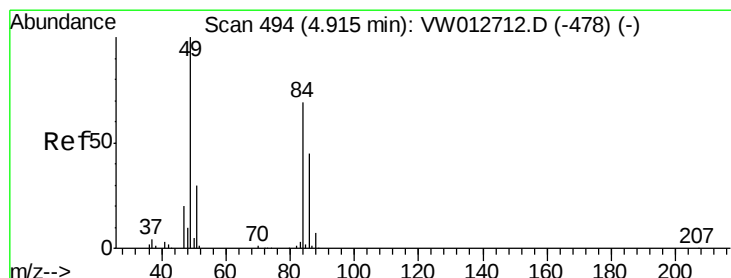
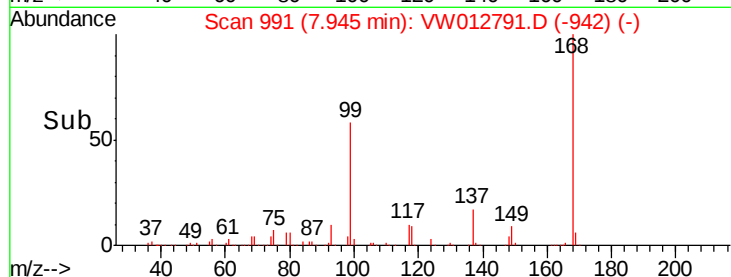
20000

0

Time-->

7.90

8.00



#20

Methylene Chloride

Concen: 3.097 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

Tgt Ion: 84 Resp: 6736

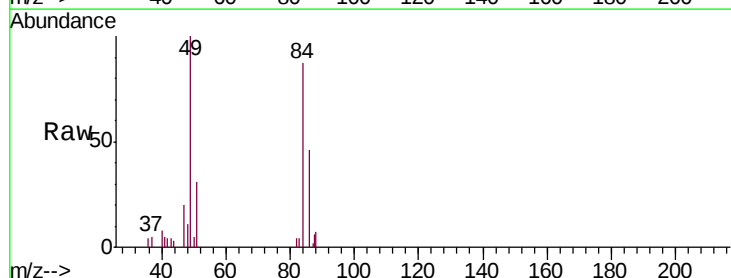
Ion Ratio Lower Upper

84 100

49 114.4 115.4 173.0#

51 35.6 34.9 52.3

86 52.4 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

4.90

4000

3000

2000

1000

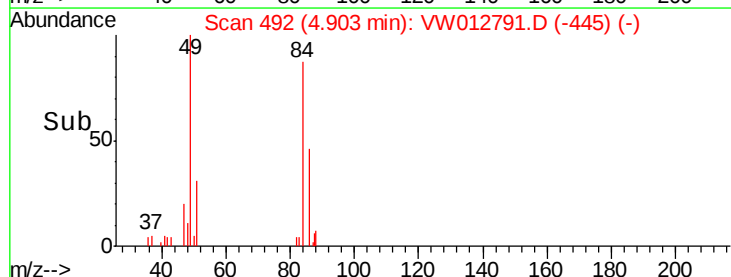
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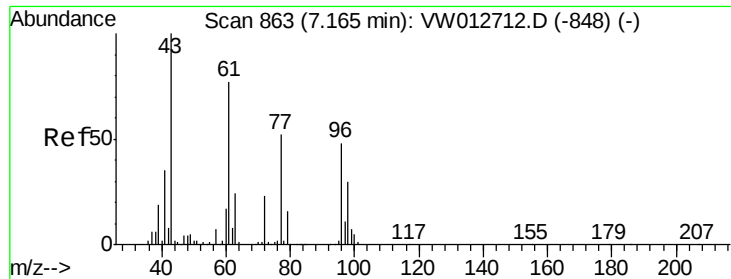
Time-->

4.80

4.90

5.00





#25

2-Butanone

Concen: 19.722 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

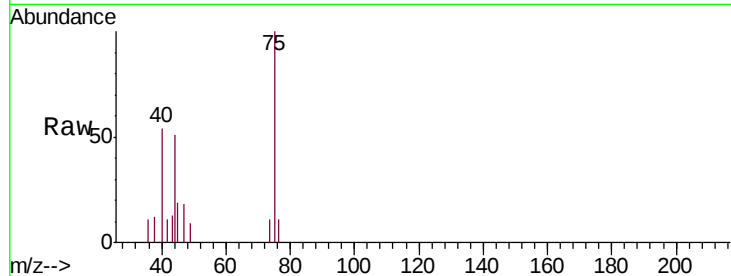
PAR-11-C3-(0)

Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

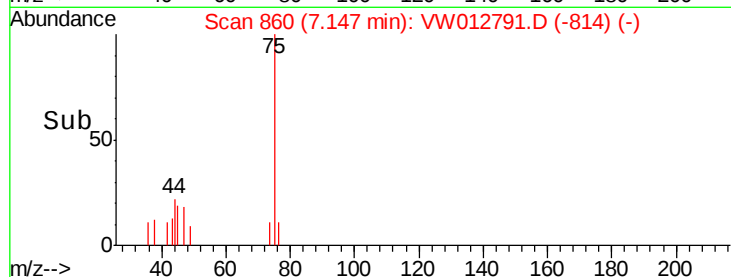
43 100

72 0.0 18.0 27.0#

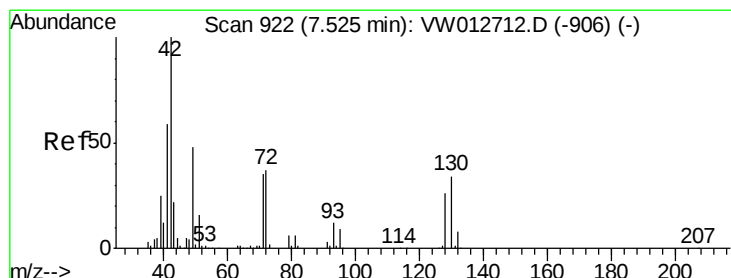


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#29

Tetrahydrofuran

Concen: 6.504 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

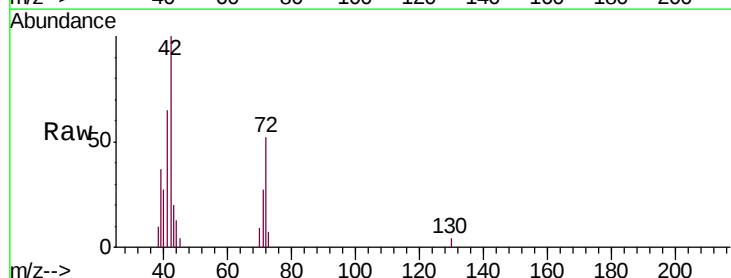
Tgt Ion: 42 Resp: 3652

Ion Ratio Lower Upper

42 100

72 36.4 28.4 42.6

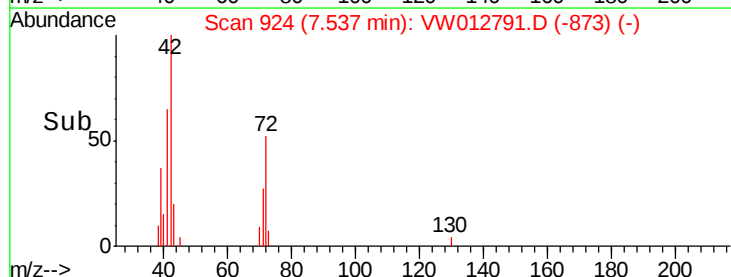
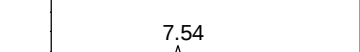
71 31.4 27.1 40.7



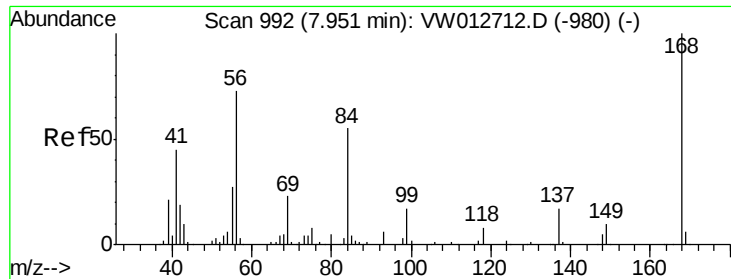
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



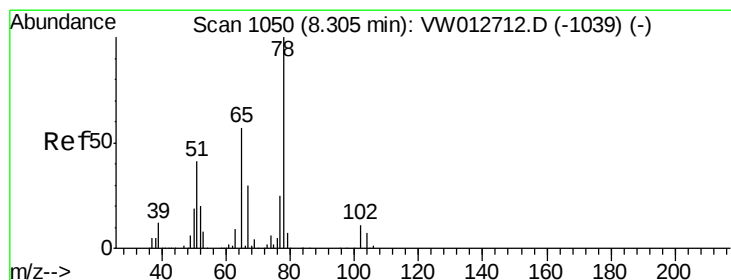
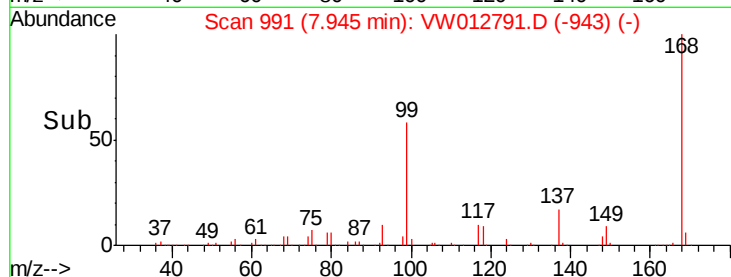
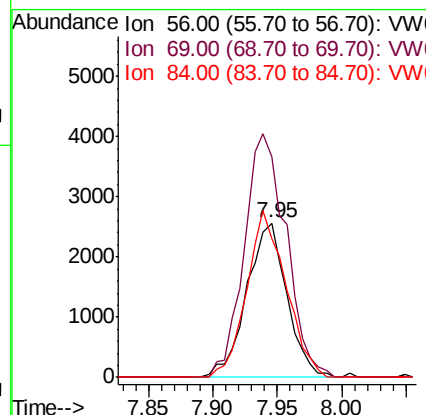
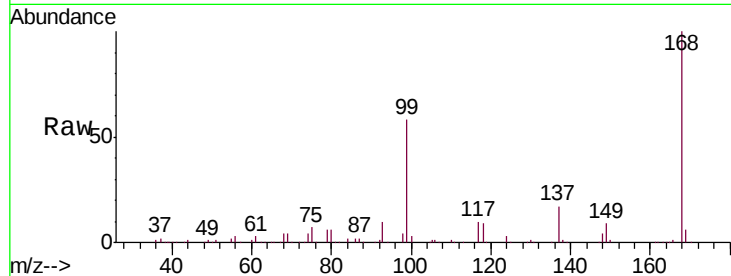
Time-->



#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

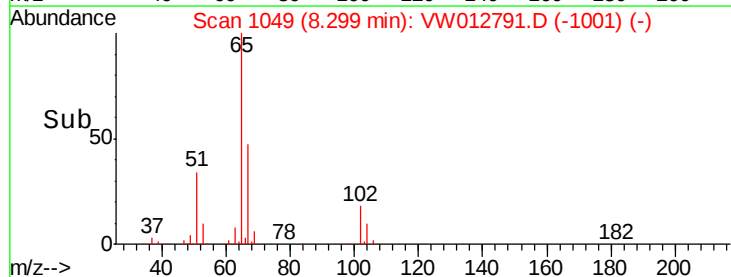
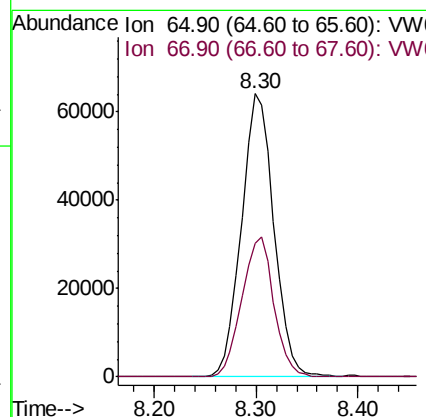
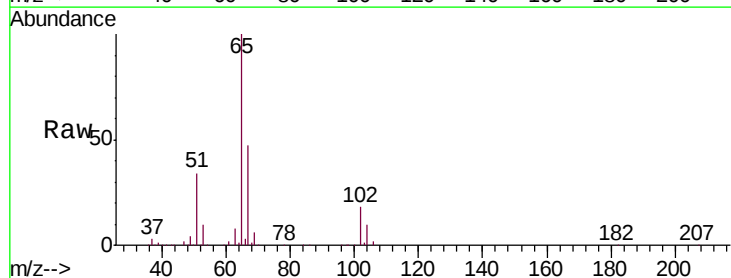
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C3-(0)

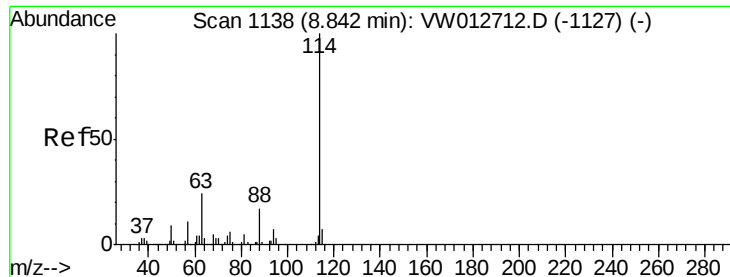
Tgt Ion: 56 Resp: 5538
Ion Ratio Lower Upper
56 100
69 143.1 25.7 38.5#
84 89.9 60.4 90.6



#33
1,2-Dichloroethane-d4
Concen: 55.367 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

Tgt Ion: 65 Resp: 141207
Ion Ratio Lower Upper
65 100
67 49.1 0.0 101.8

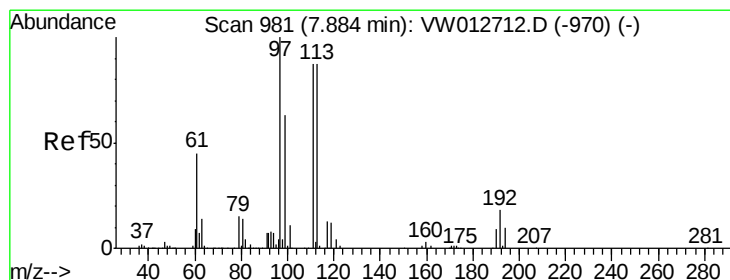
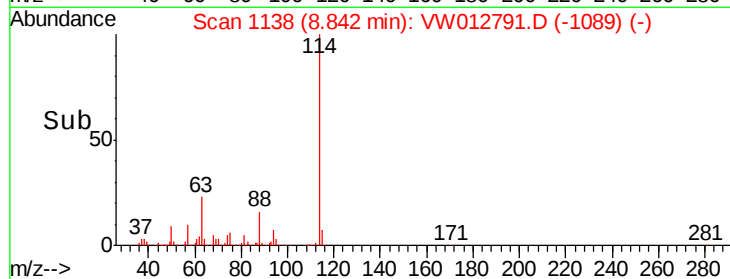
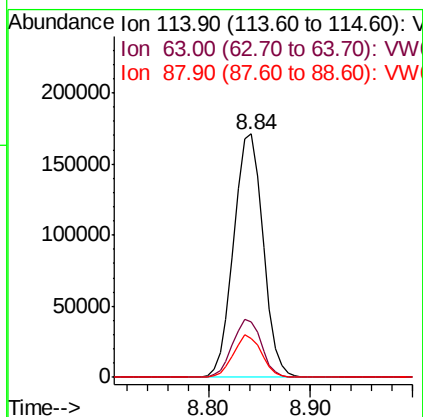
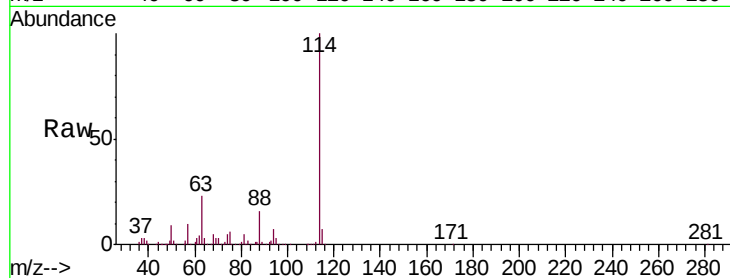




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012791.D
 Acq: 09 Sep 2019 01:15

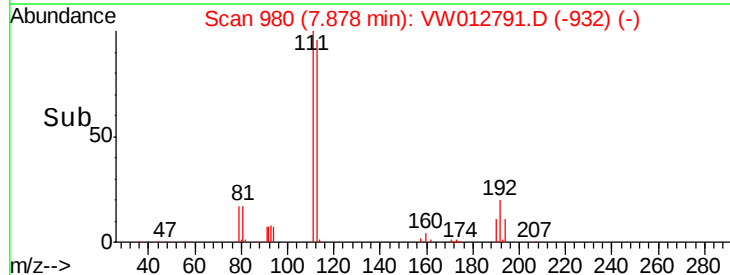
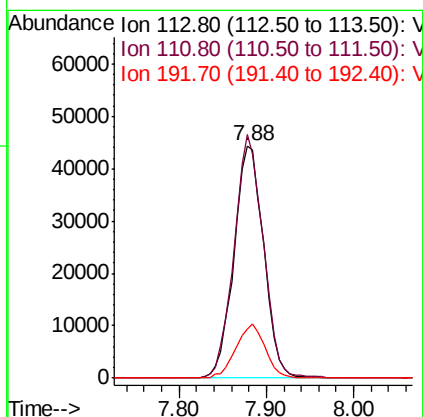
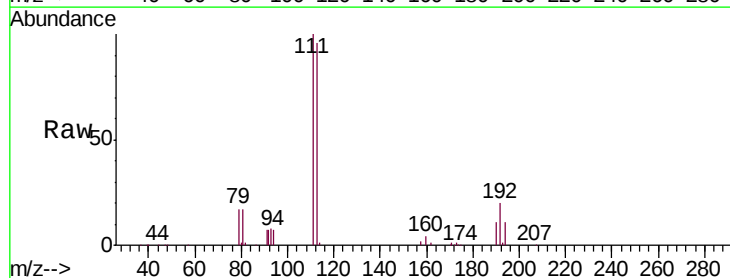
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C3-(0)

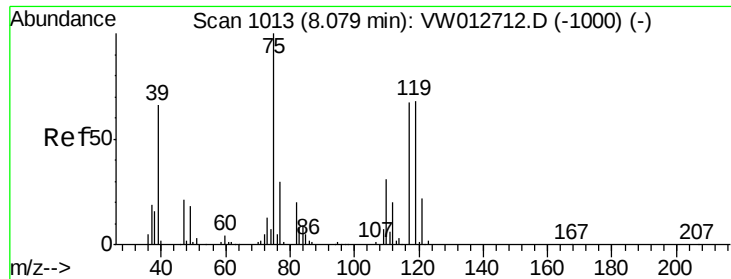
Tgt Ion:114 Resp: 342367
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 16.0 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 51.644 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012791.D
 Acq: 09 Sep 2019 01:15

Tgt Ion:113 Resp: 105119
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.2 120.4
 192 22.7 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.775 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(0)

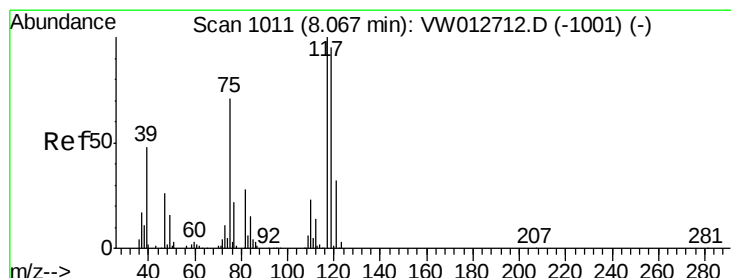
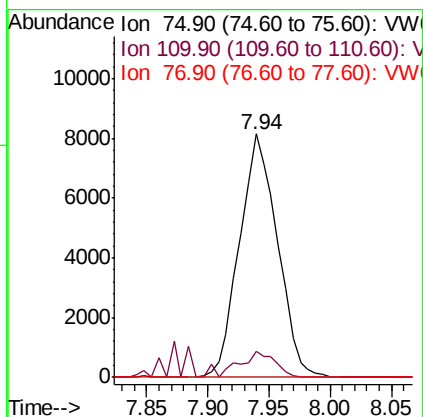
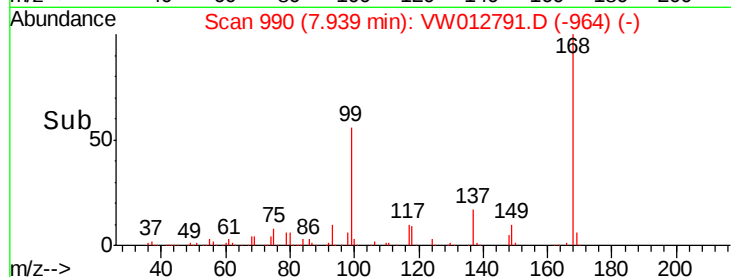
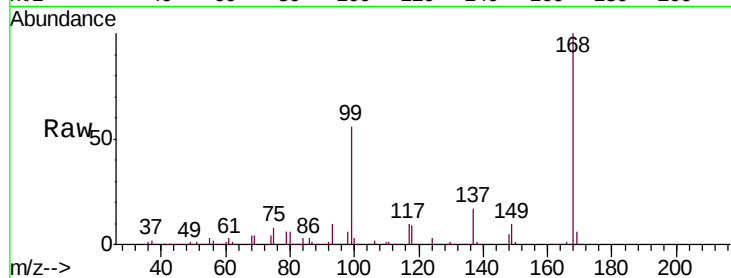
Tgt Ion: 75 Resp: 17567

Ion Ratio Lower Upper

75 100

110 9.7 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.395 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

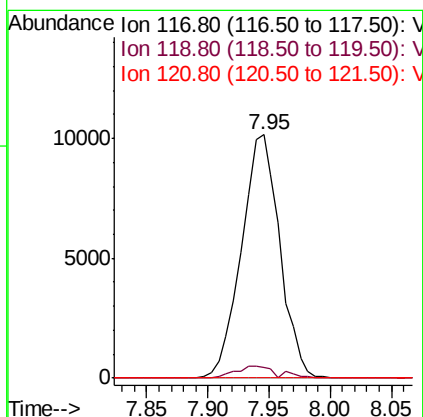
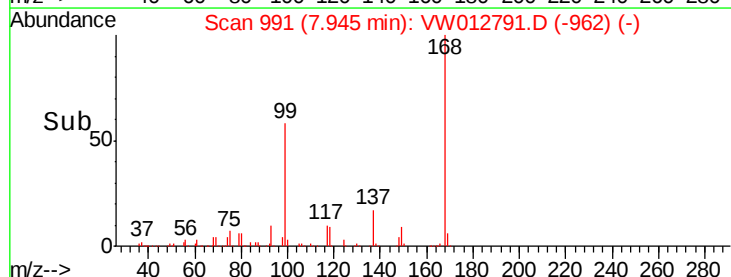
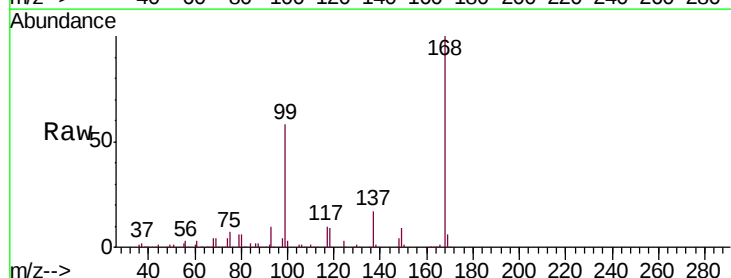
Tgt Ion: 117 Resp: 22176

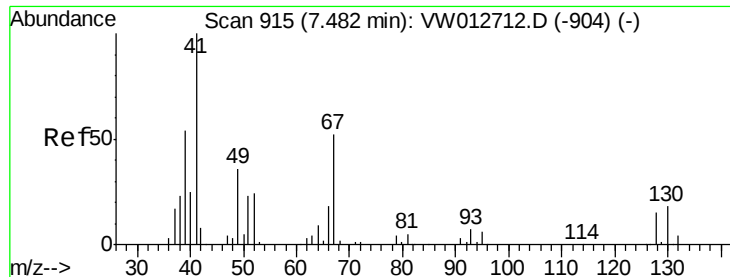
Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

121 0.0 25.4 38.2#

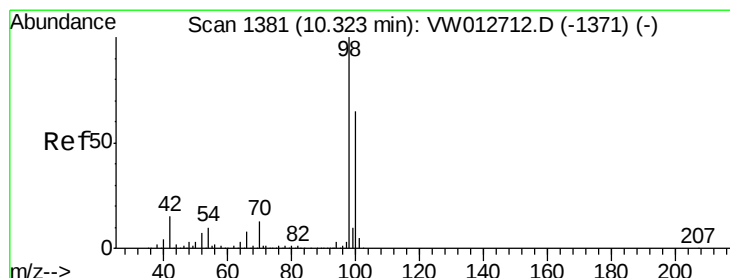
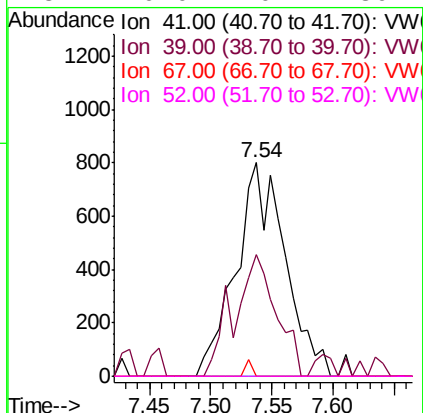
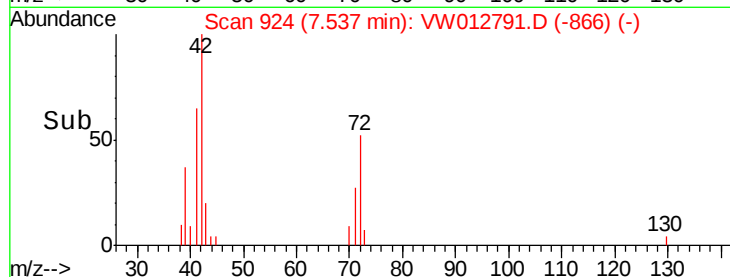
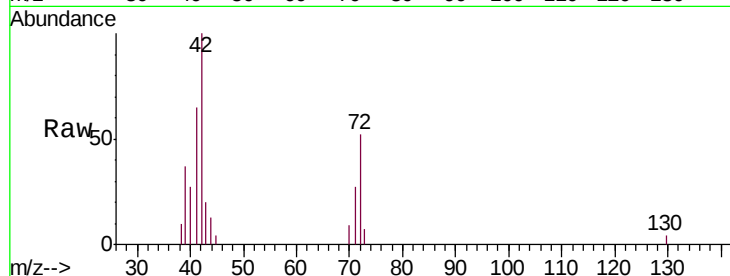




#41
Methacrylonitrile
Concen: 5.412 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

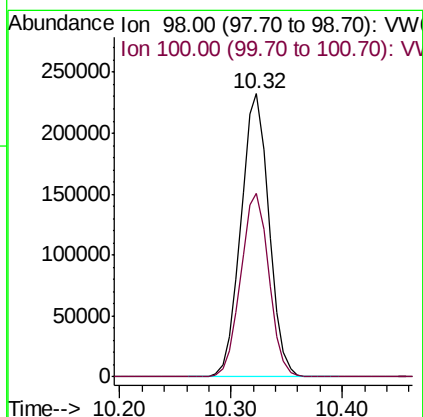
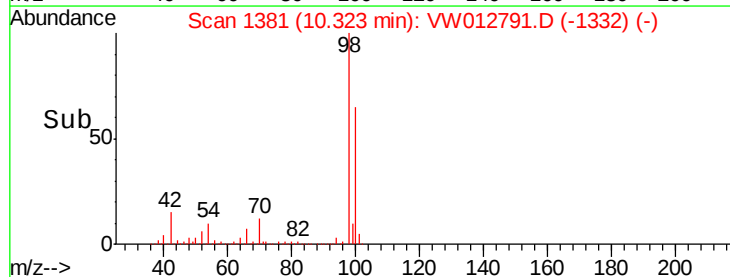
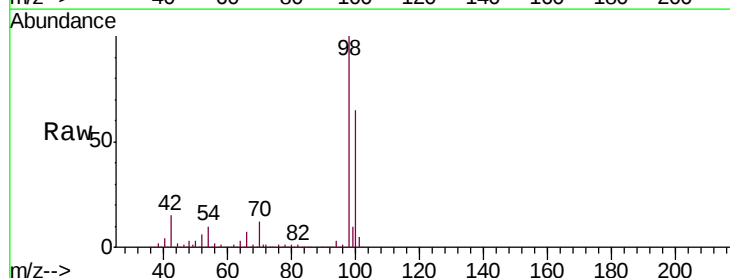
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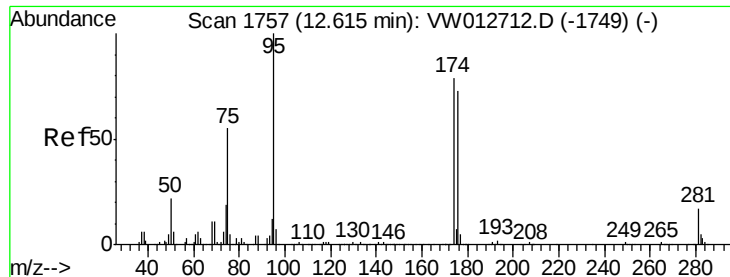
Tgt Ion: 41 Resp: 2247
Ion Ratio Lower Upper
41 100
39 37.8 47.5 71.3#
67 1.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 50.831 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

Tgt Ion: 98 Resp: 405353
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

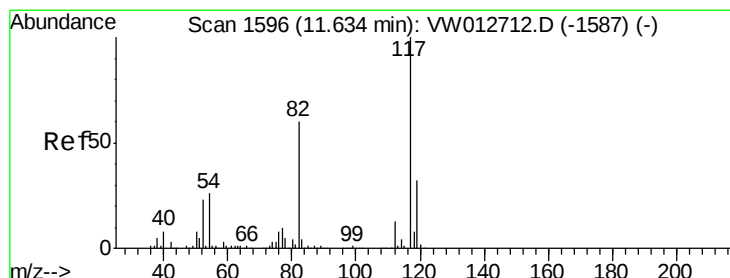
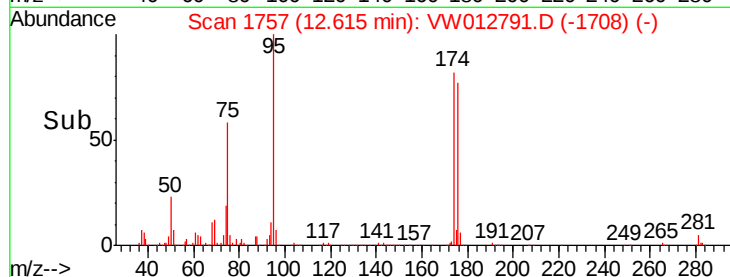
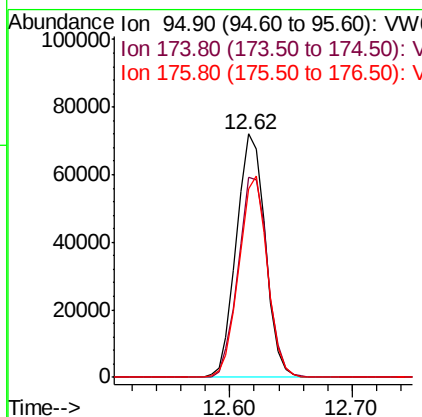
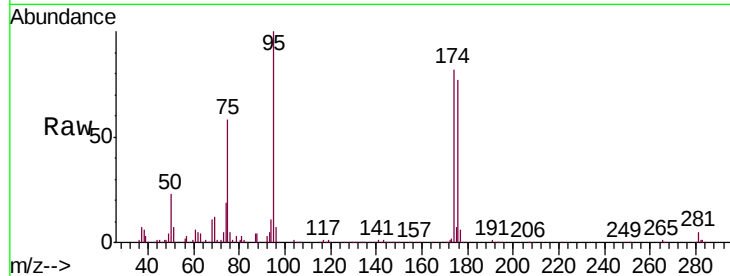




#62
4-Bromofluorobenzene
Concen: 40.691 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

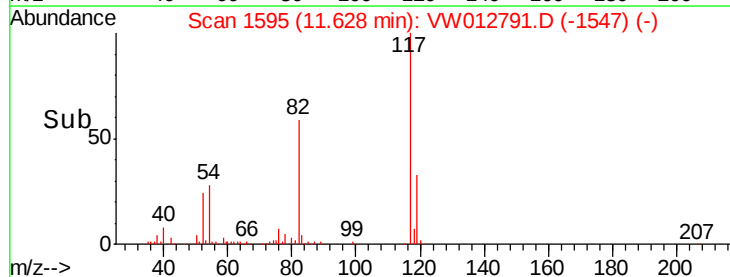
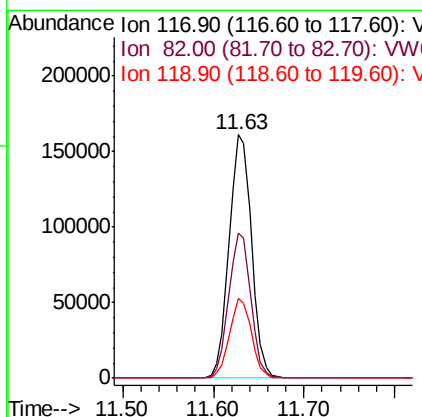
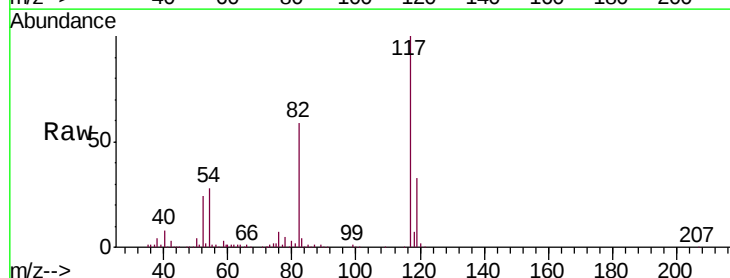
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C3-(0)

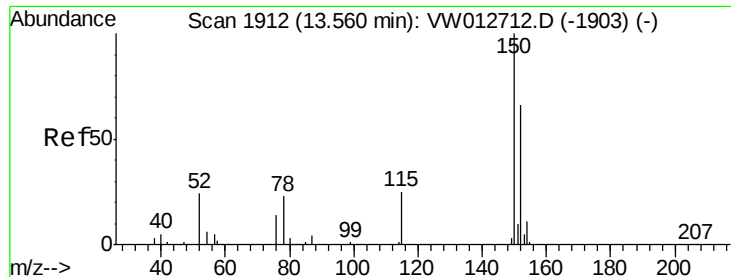
Tgt Ion: 95 Resp: 117800
Ion Ratio Lower Upper
95 100
174 84.0 0.0 161.0
176 81.0 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012791.D
Acq: 09 Sep 2019 01:15

Tgt Ion: 117 Resp: 276570
Ion Ratio Lower Upper
117 100
82 59.4 48.2 72.4
119 32.6 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: VW012791.D

Acq: 09 Sep 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(0)

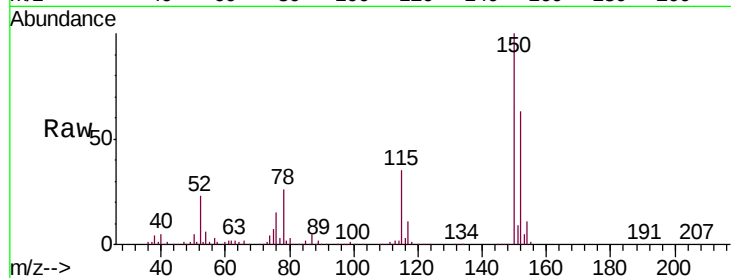
Tgt Ion:152 Resp: 102344

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.1

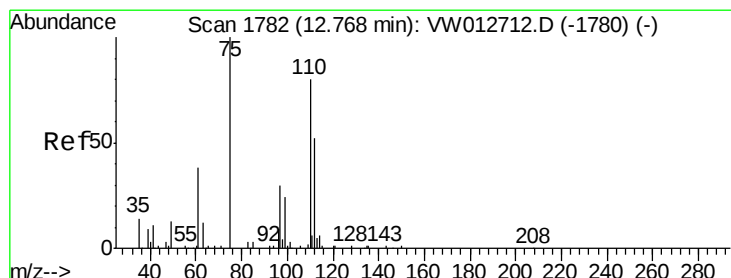
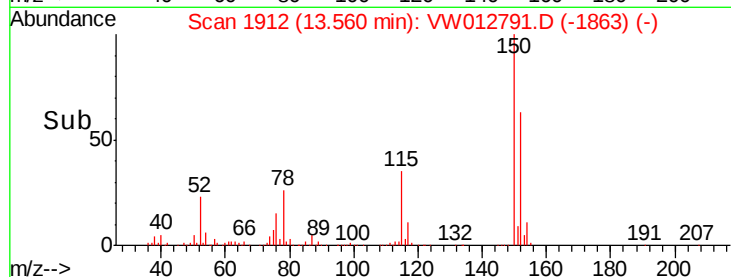
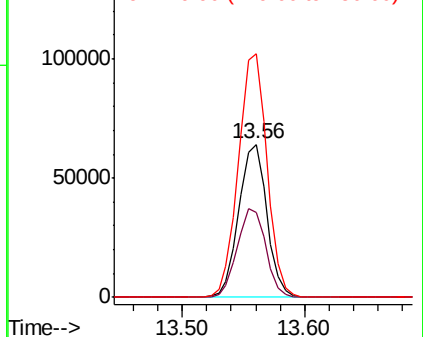
150 161.6 0.0 349.0



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: 61.488 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012791.D

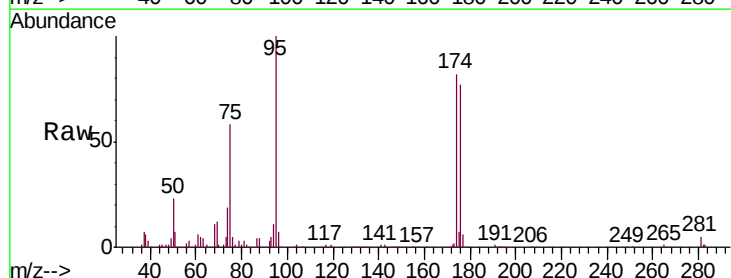
Acq: 09 Sep 2019 01:15

Tgt Ion: 75 Resp: 64348

Ion Ratio Lower Upper

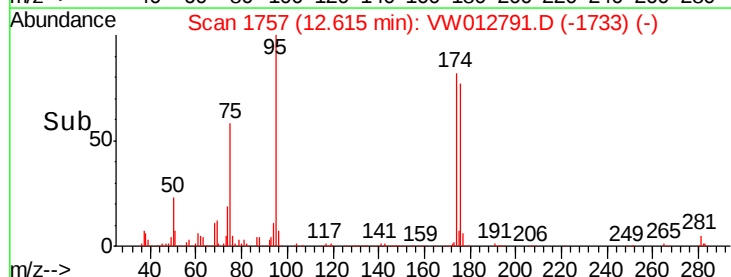
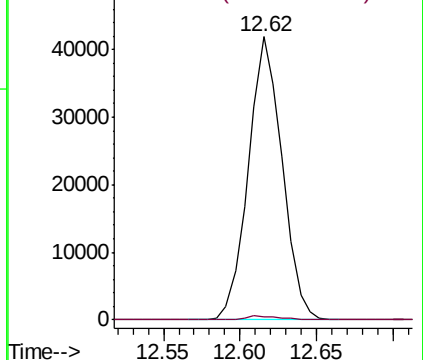
75 100

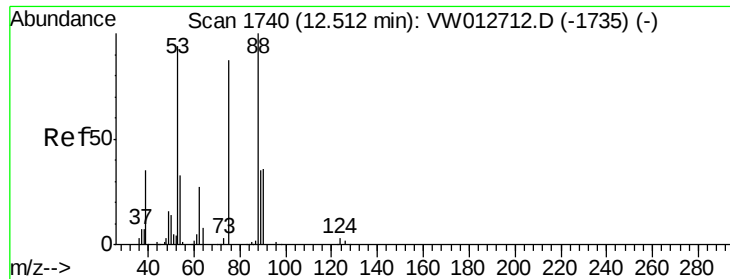
77 1.4 0.0 0.0#



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: 130.051 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

Instrument :

MSVOA_W

ClientSampleId :

PAR-11-C3-(0)

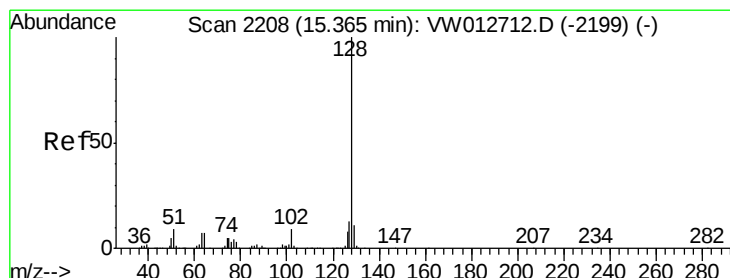
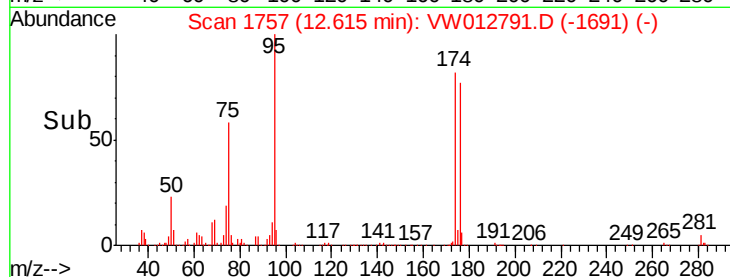
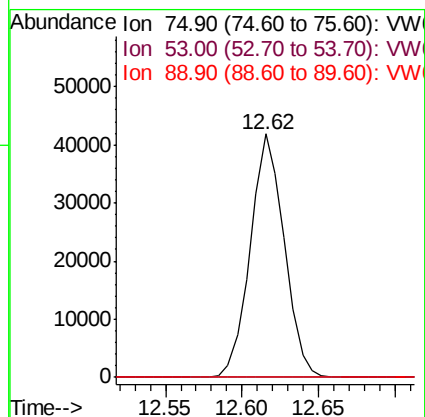
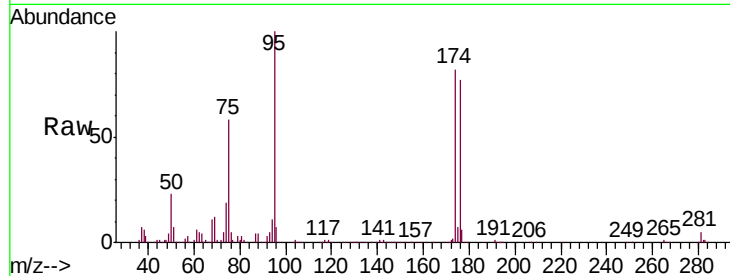
Tgt Ion: 75 Resp: 64348

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.562 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012791.D

Acq: 09 Sep 2019 01:15

Tgt Ion: 128 Resp: 580

Ion Ratio Lower Upper

128 100

127 6.7 10.7 16.1#

129 0.0 8.7 13.1#

