

Data File : VW012792.D
Acq On : 09 Sep 2019 01:41
Operator : SY/VA
Sample : K4623-03
Misc : 3.78G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(0)

Quant Time: Sep 09 06:06:37 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	233688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	81515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	139856	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.88	113	106369	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.32	98	427584	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	110732	36.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.36%	

Target Compounds

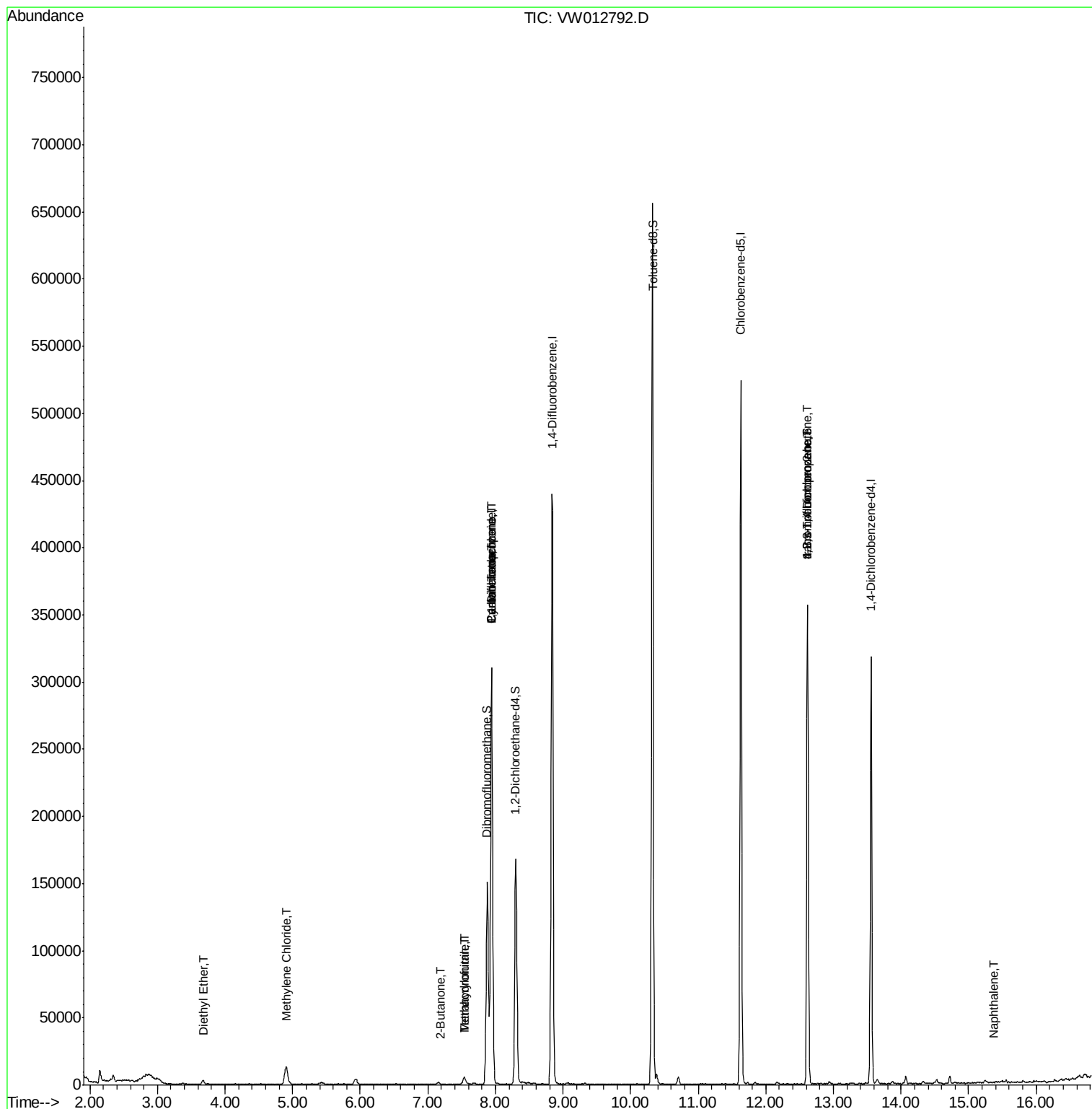
						Qvalue
8) Diethyl Ether	3.67	74	1455	1.329	ug/l	85
20) Methylene Chloride	4.91	84	9464	4.250	ug/l	92
25) 2-Butanone	7.19	43	60	19.733	ug/l #	53
29) Tetrahydrofuran	7.54	42	4790	8.333	ug/l	96
31) Cyclohexane	7.94	56	5315	1.385	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19001	5.990	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22859	7.311	ug/l #	16
41) Methacrylonitrile	7.54	41	2894	5.783	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	60567	72.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60567	153.688	ug/l #	6
95) Naphthalene	15.37	128	482	4.567	ug/l #	69

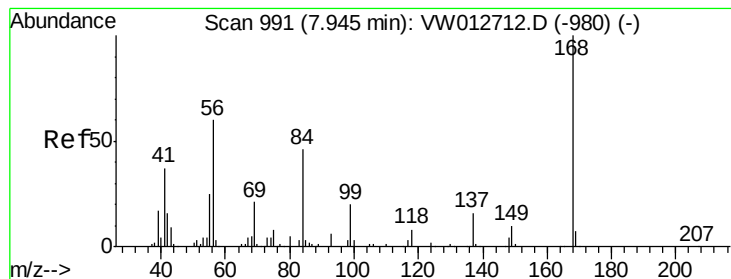
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012792.D

Acq: 09 Sep 2019 01:41

Instrument :

MSVOA_W

ClientSampleId :

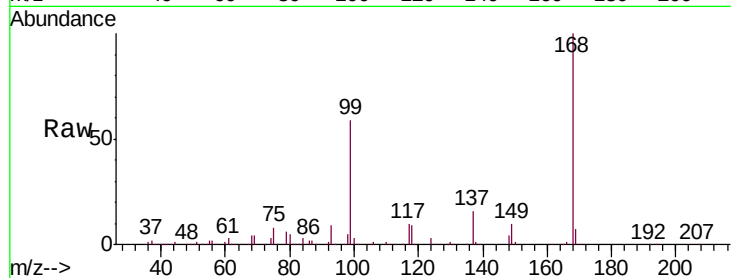
PAR-11-C4-(0)

Tgt Ion:168 Resp: 233688

Ion Ratio Lower Upper

168 100

99 58.6 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

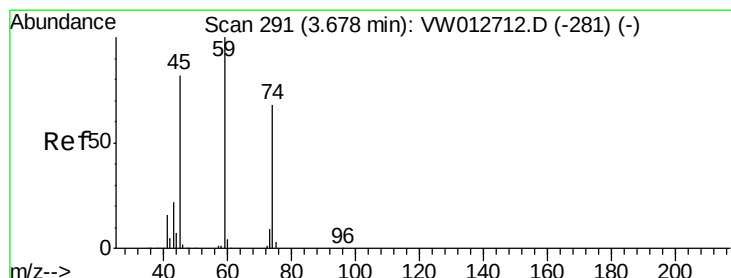
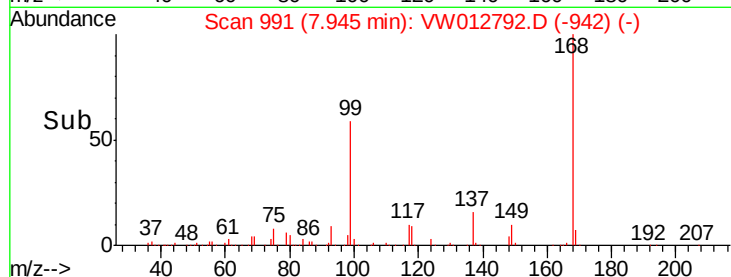
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.329 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012792.D

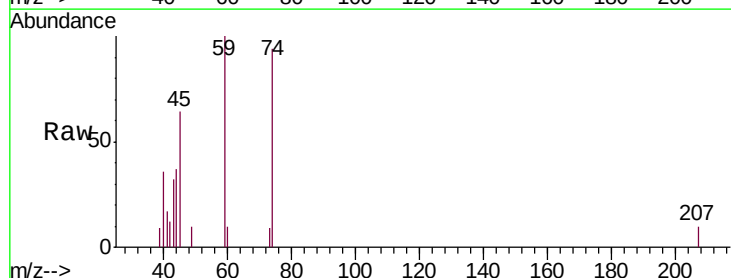
Acq: 09 Sep 2019 01:41

Tgt Ion: 74 Resp: 1455

Ion Ratio Lower Upper

74 100

45 133.9 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

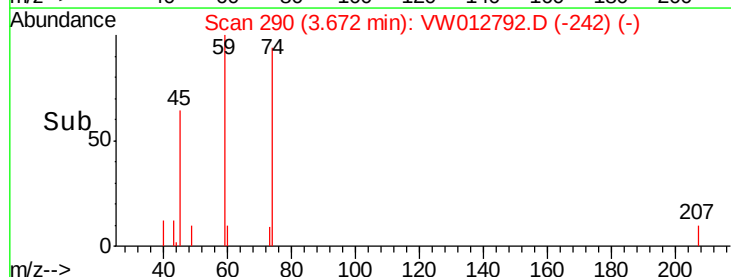
600

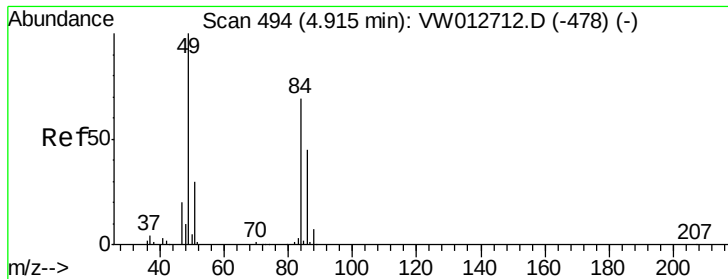
400

200

0

Time-->

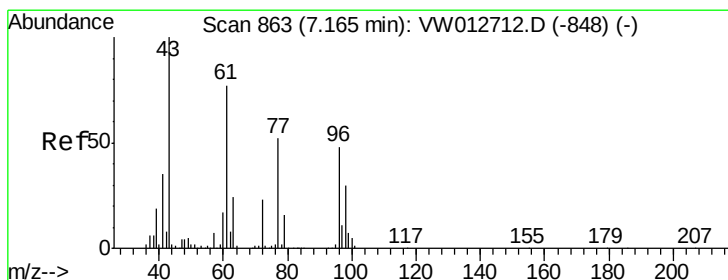
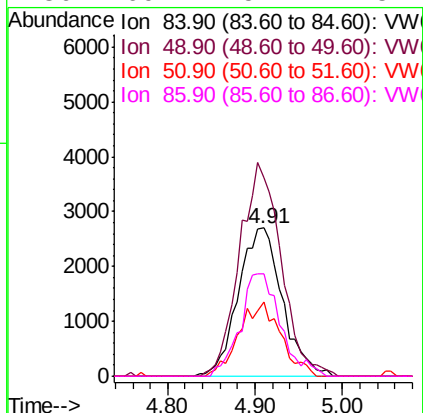
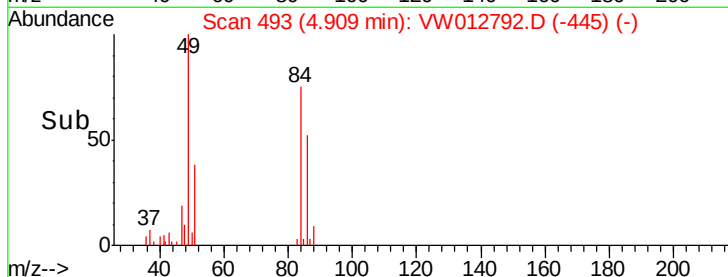
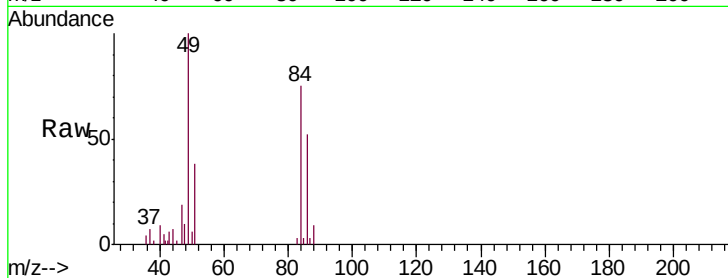




#20
Methylene Chloride
Concen: 4.250 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

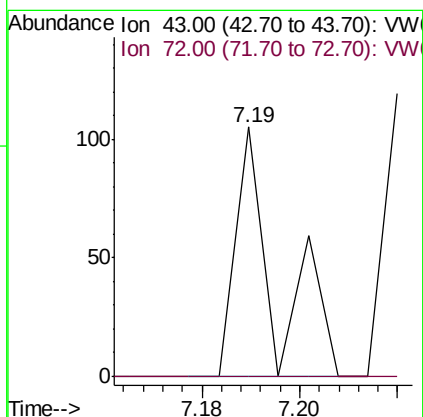
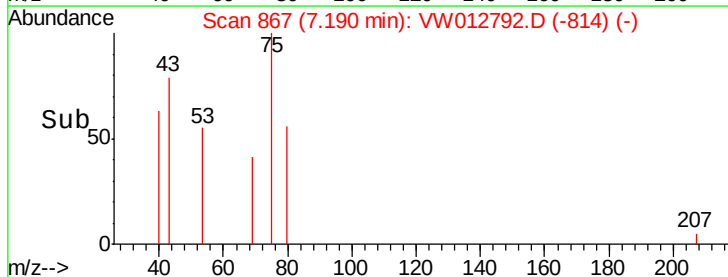
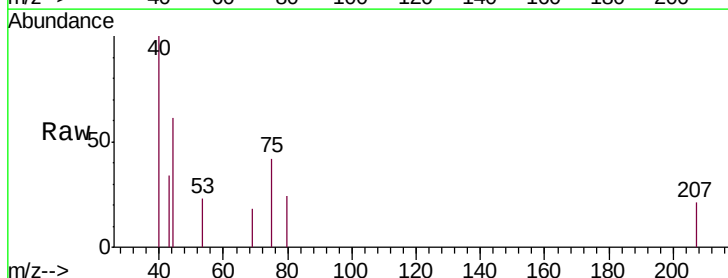
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(0)

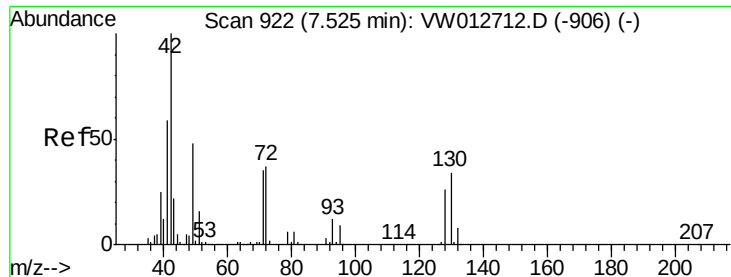
Tgt Ion: 84 Resp: 9464
Ion Ratio Lower Upper
84 100
49 133.9 115.4 173.0
51 50.3 34.9 52.3
86 69.2 52.2 78.4



#25
2-Butanone
Concen: 19.733 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

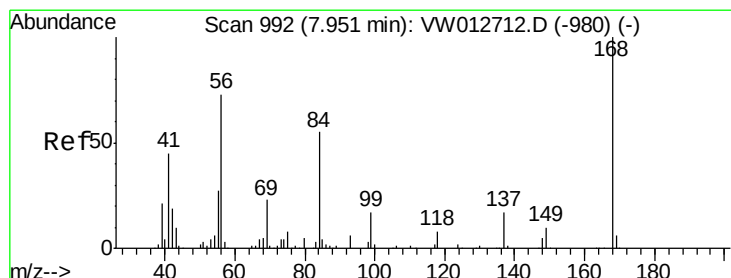
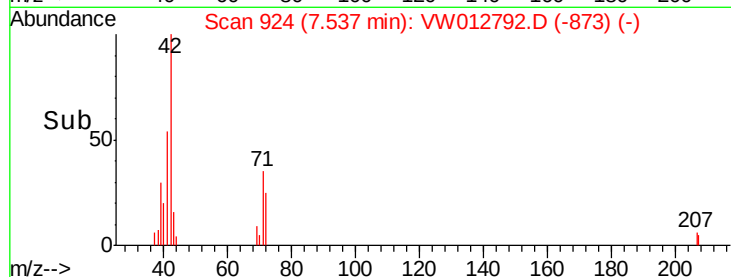
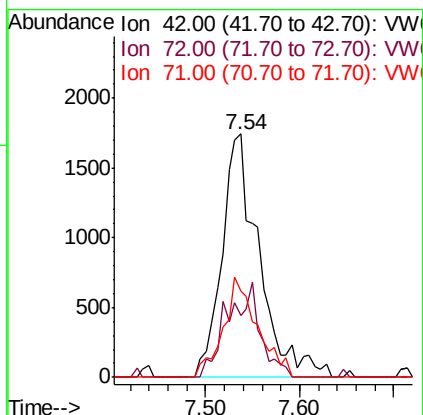
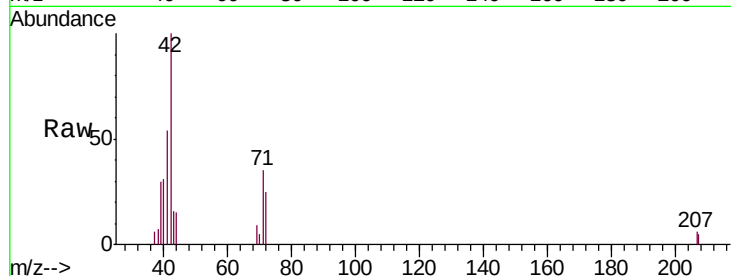




#29
Tetrahydrofuran
Concen: 8.333 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

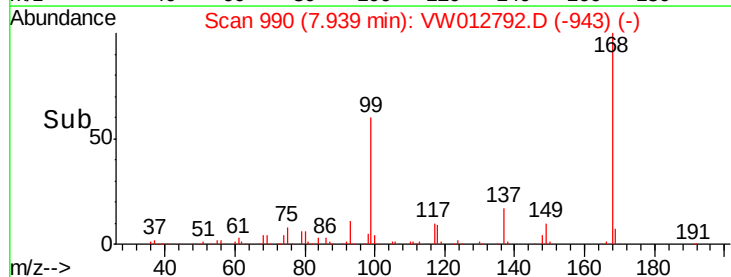
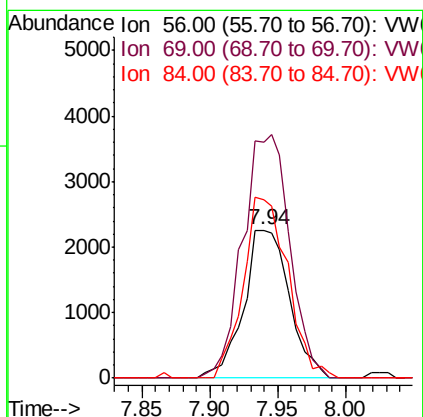
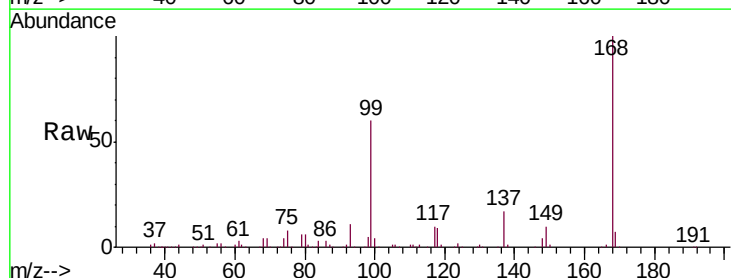
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(0)

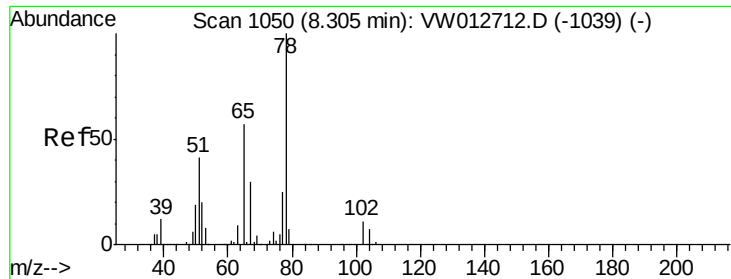
Tgt Ion: 42 Resp: 4790
Ion Ratio Lower Upper
42 100
72 34.8 28.4 42.6
71 37.8 27.1 40.7



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

Tgt Ion: 56 Resp: 5315
Ion Ratio Lower Upper
56 100
69 159.9 25.7 38.5#
84 121.2 60.4 90.6#

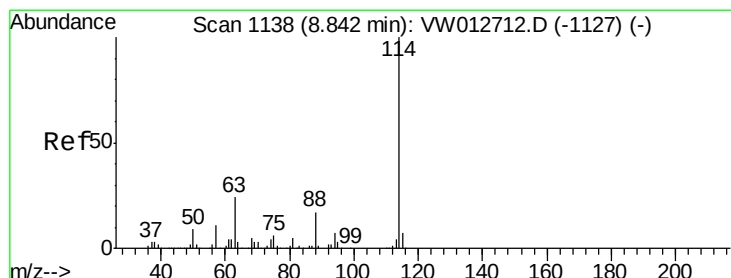
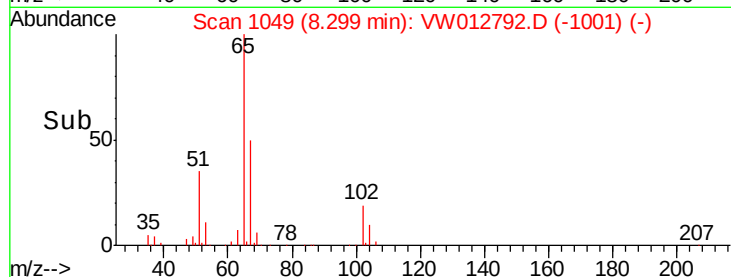
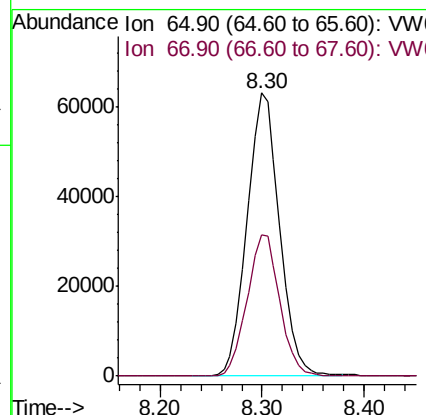
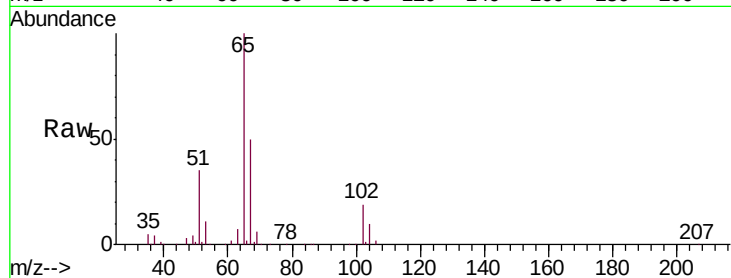




#33
 1,2-Dichloroethane-d4
 Concen: 53.563 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012792.D
 Acq: 09 Sep 2019 01:41

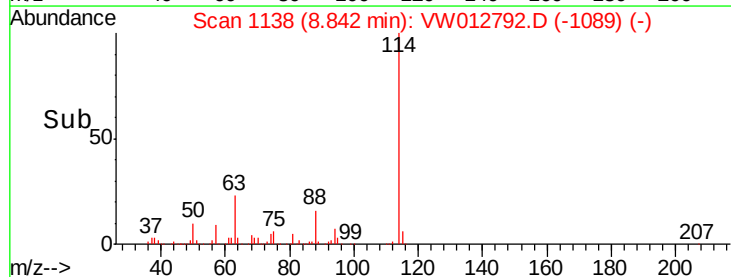
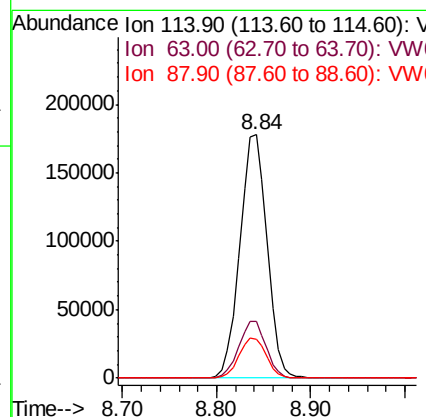
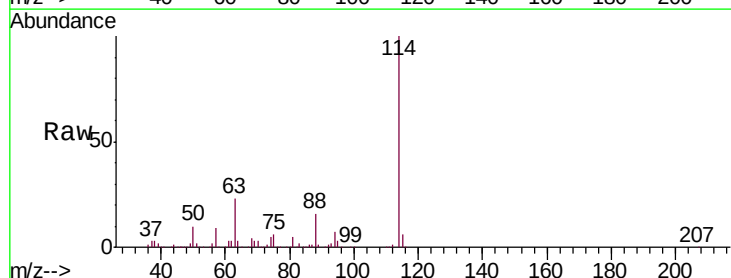
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C4-(0)

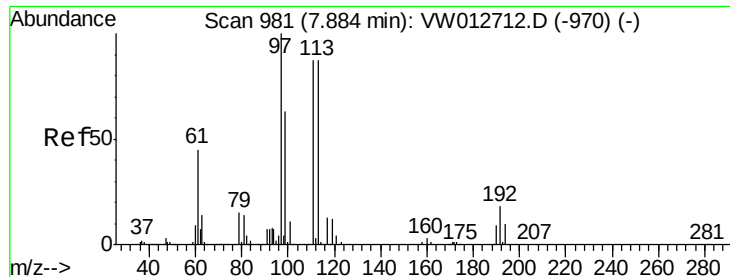
Tgt Ion: 65 Resp: 139856
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012792.D
 Acq: 09 Sep 2019 01:41

Tgt Ion: 114 Resp: 357003
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 47.2
 88 16.0 0.0 34.0

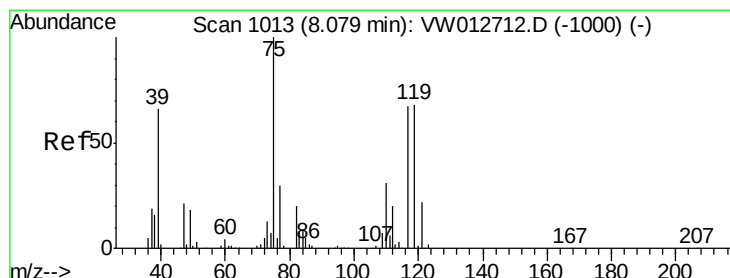
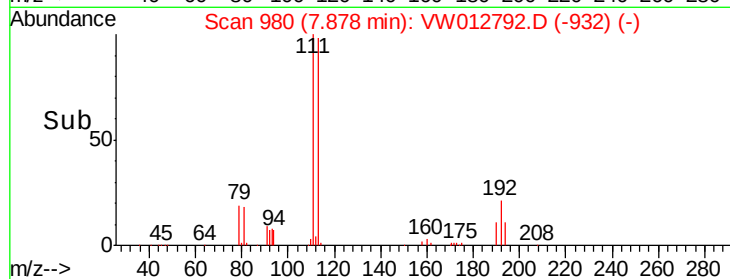
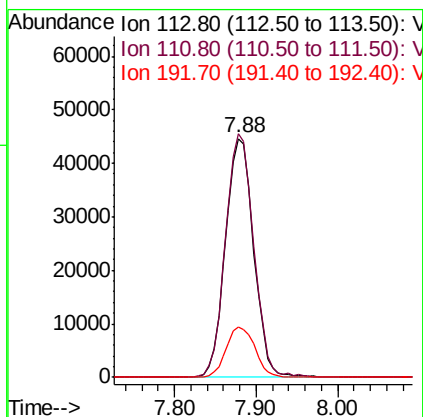
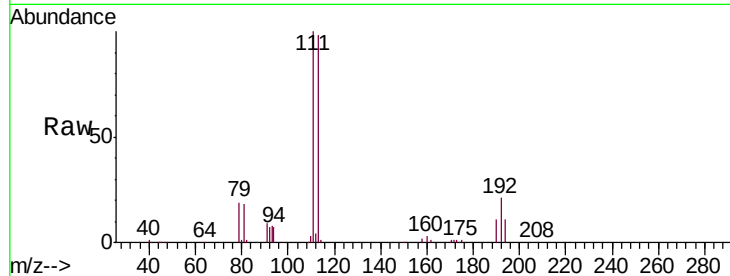




#35
 Dibromofluoromethane
 Concen: 50.115 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012792.D
 Acq: 09 Sep 2019 01:41

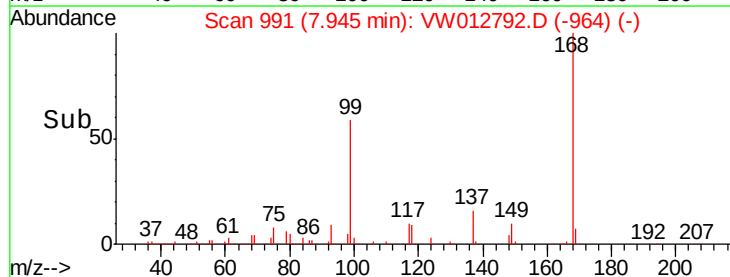
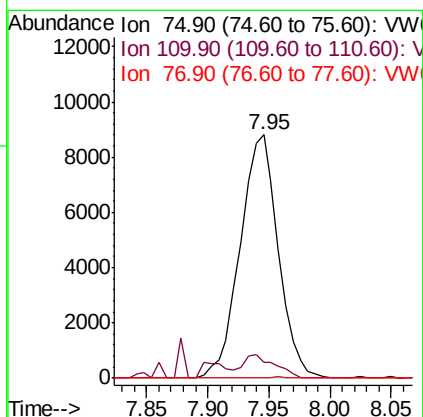
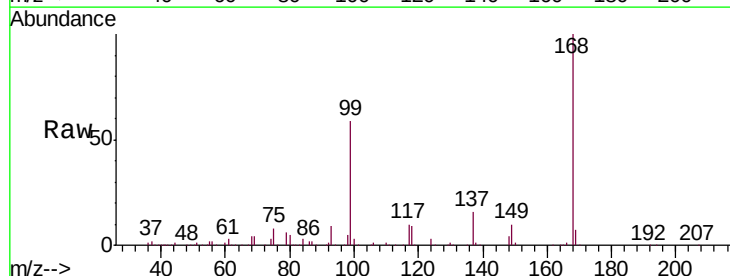
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-11-C4-(0)

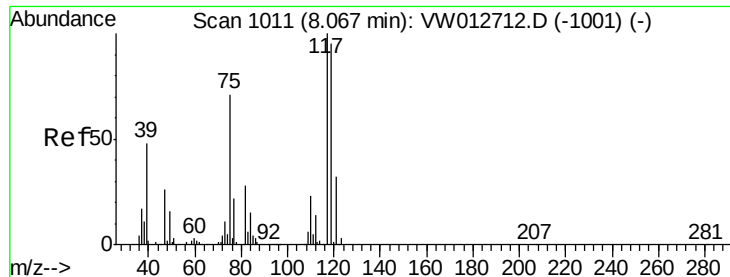
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.2	120.4
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.990 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012792.D
 Acq: 09 Sep 2019 01:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.9	47.7#
77	0.1	25.0	37.4#

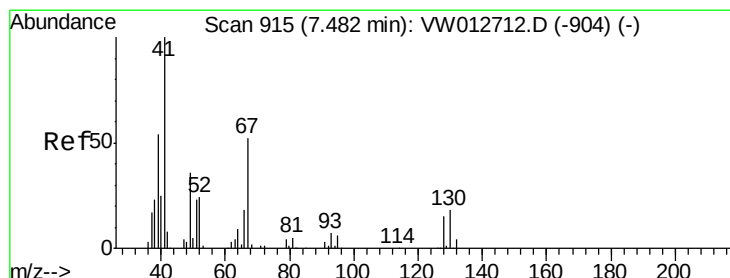
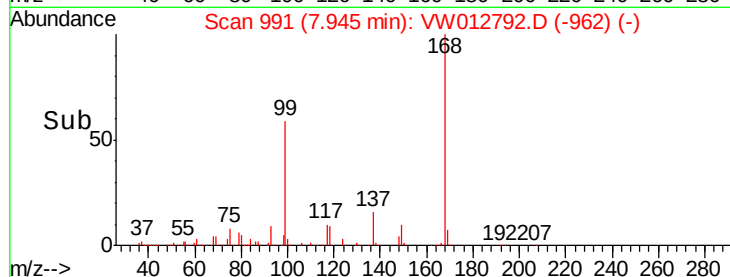
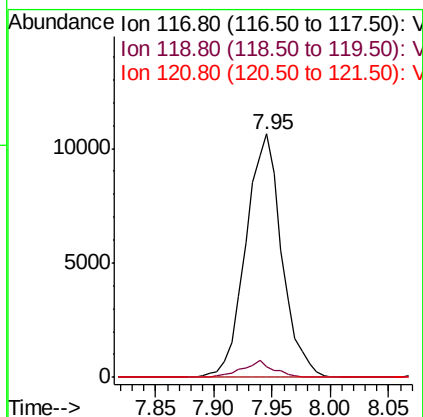
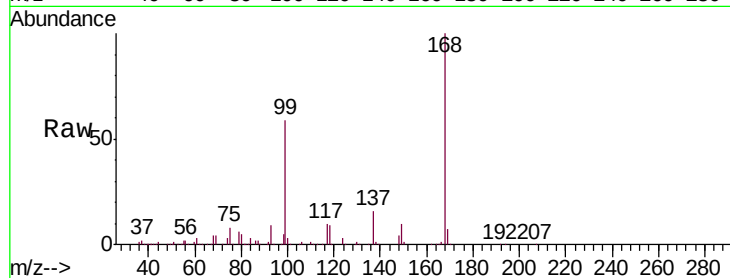




#38
Carbon Tetrachloride
Concen: 7.311 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

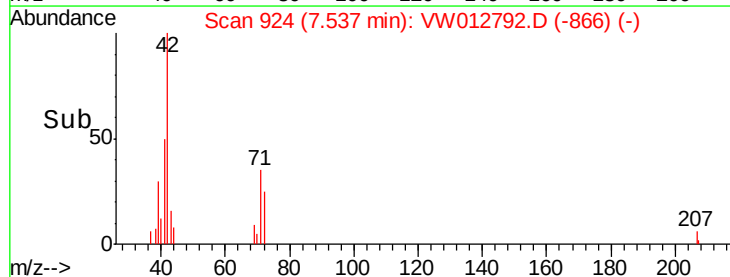
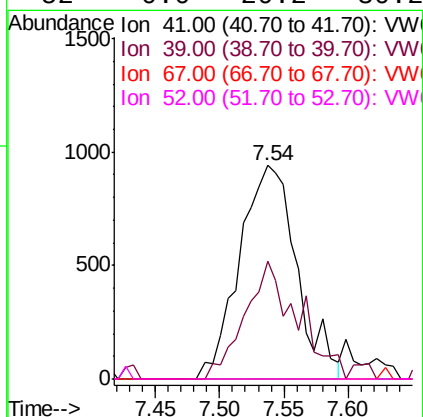
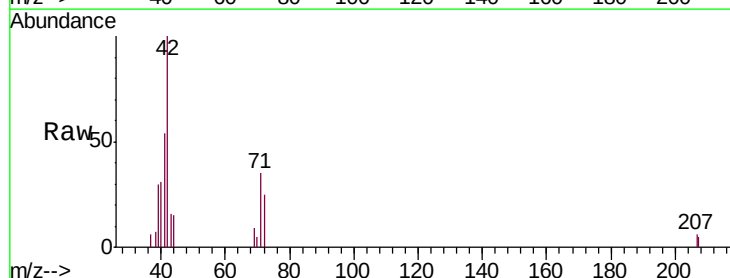
Instrument :
MSVOA_W
ClientSampled :
PAR-11-C4-(0)

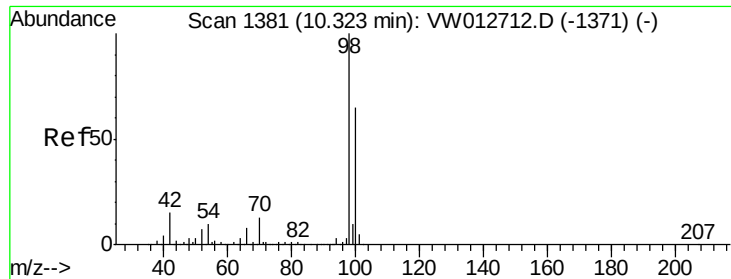
Tgt Ion: 117 Resp: 22859
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 5.783 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

Tgt Ion: 41 Resp: 2894
Ion Ratio Lower Upper
41 100
39 50.9 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#





#50

Toluene-d8

Concen: 51.421 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012792.D

Acq: 09 Sep 2019 01:41

Instrument :

MSVOA_W

ClientSampleId :

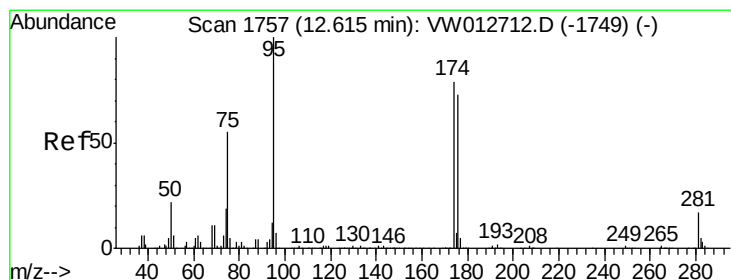
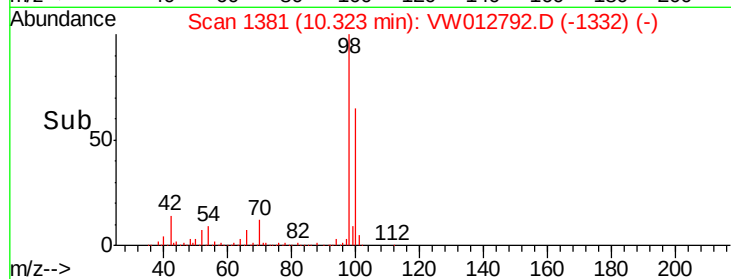
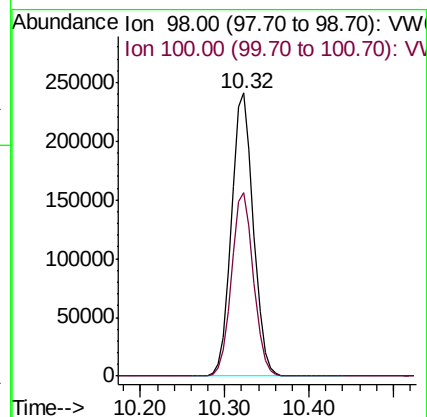
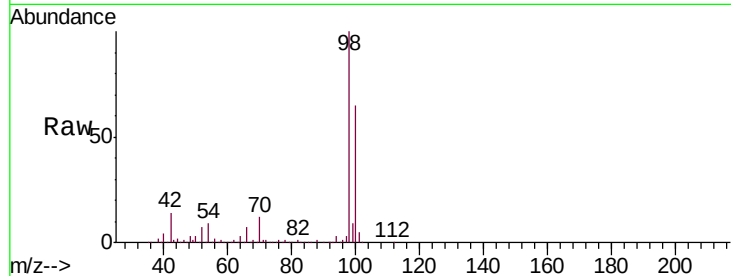
PAR-11-C4-(0)

Tgt Ion: 98 Resp: 427584

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 36.682 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012792.D

Acq: 09 Sep 2019 01:41

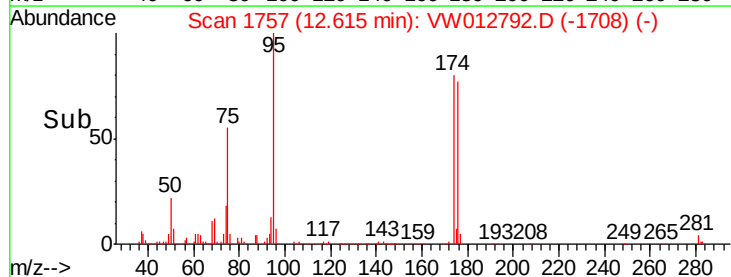
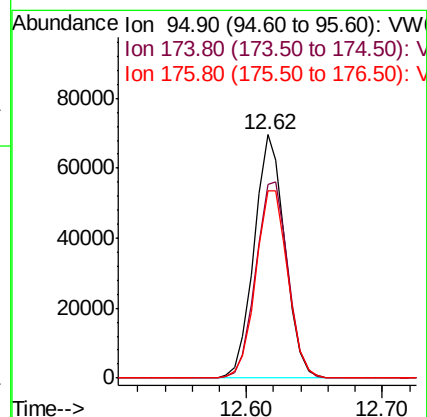
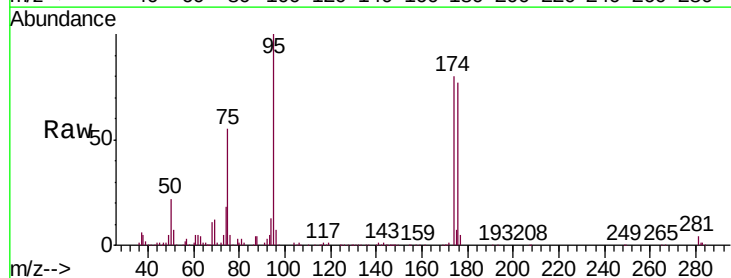
Tgt Ion: 95 Resp: 110732

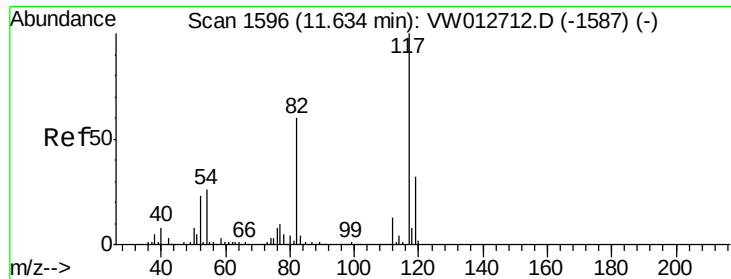
Ion Ratio Lower Upper

95 100

174 83.8 0.0 161.0

176 80.5 0.0 156.4

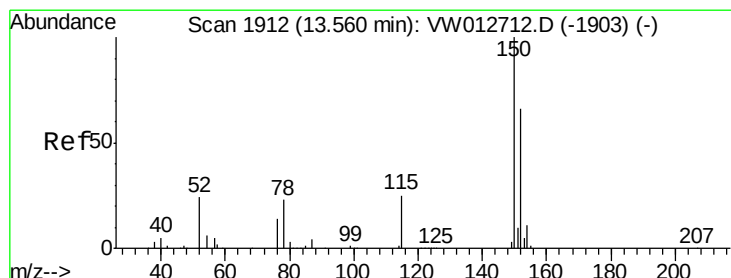
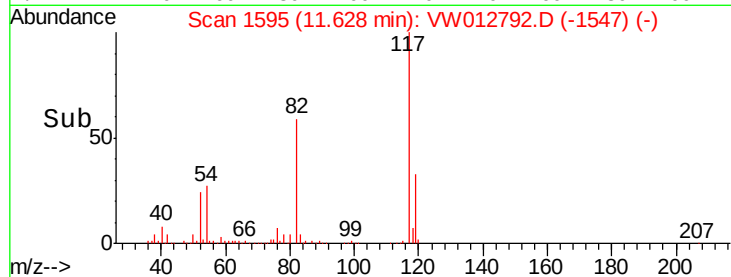
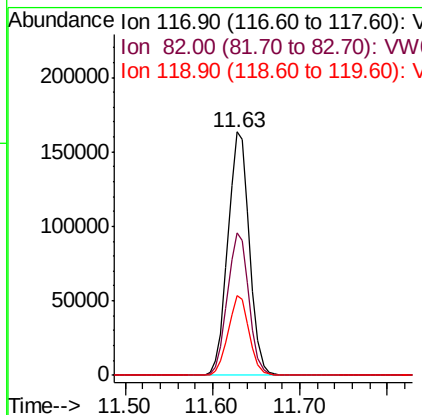
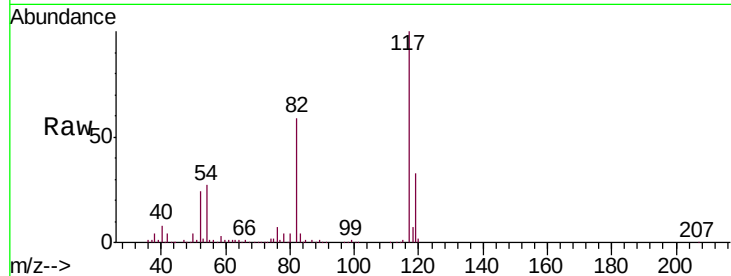




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

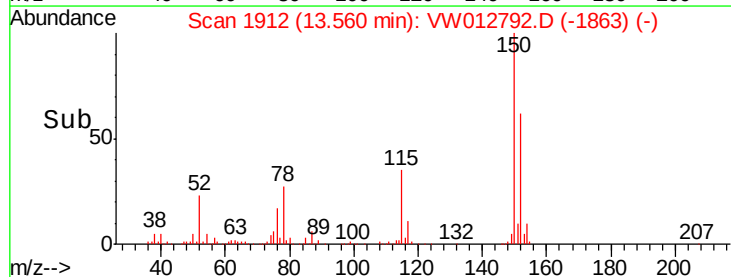
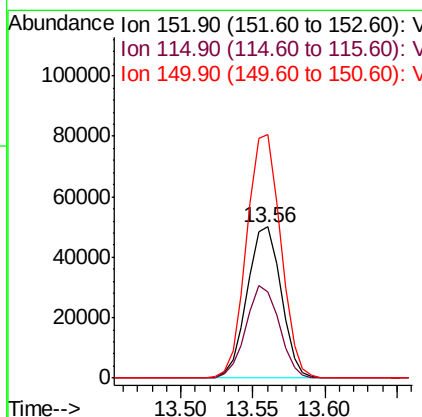
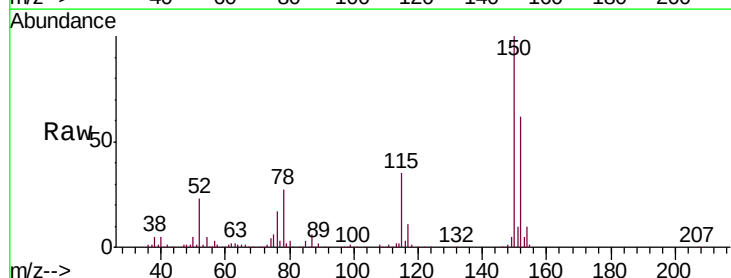
Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(0)

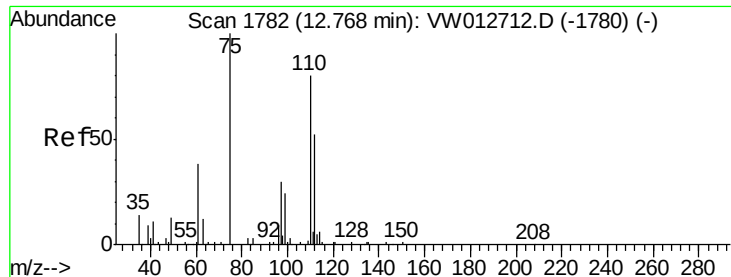
Tgt Ion:117 Resp: 279092
Ion Ratio Lower Upper
117 100
82 58.6 48.2 72.4
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

Tgt Ion:152 Resp: 81515
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.1
150 161.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 72.664 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012792.D

Acq: 09 Sep 2019 01:41

Instrument :

MSVOA_W

ClientSampleId :

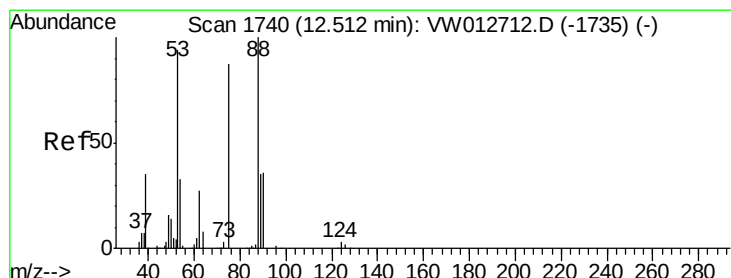
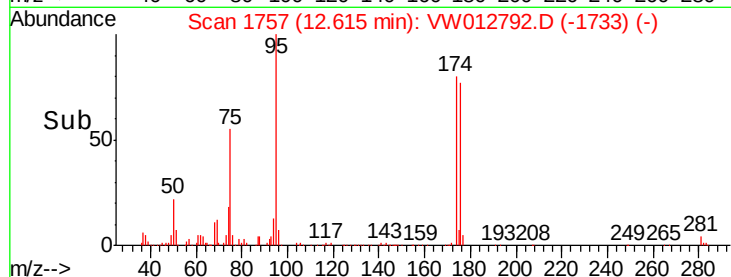
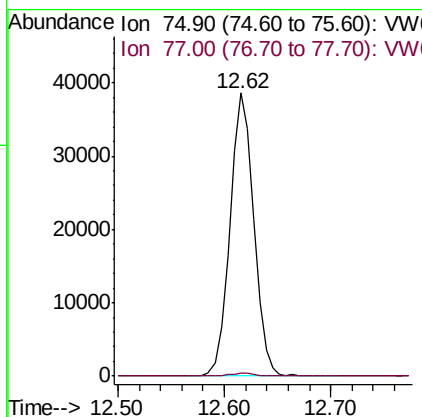
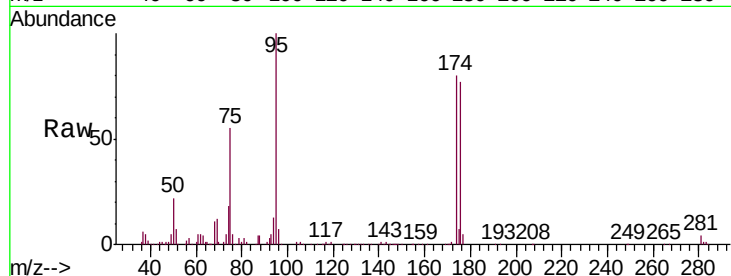
PAR-11-C4-(0)

Tgt Ion: 75 Resp: 60567

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 153.688 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012792.D

Acq: 09 Sep 2019 01:41

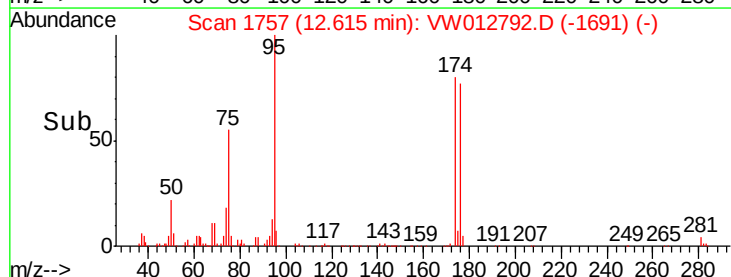
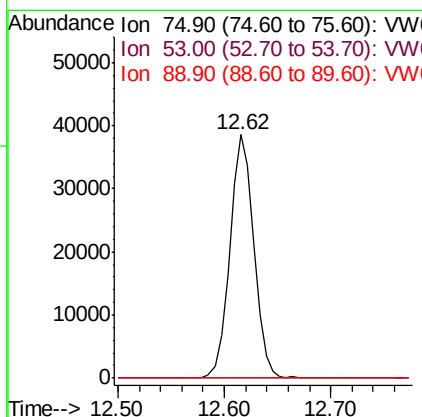
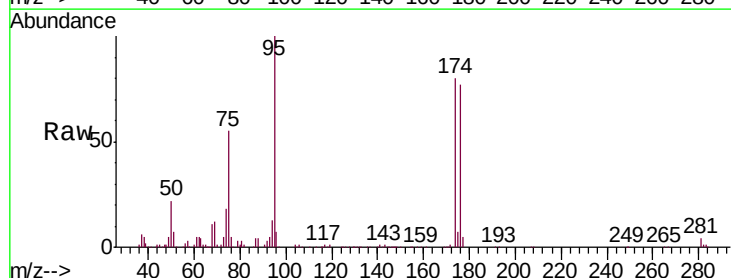
Tgt Ion: 75 Resp: 60567

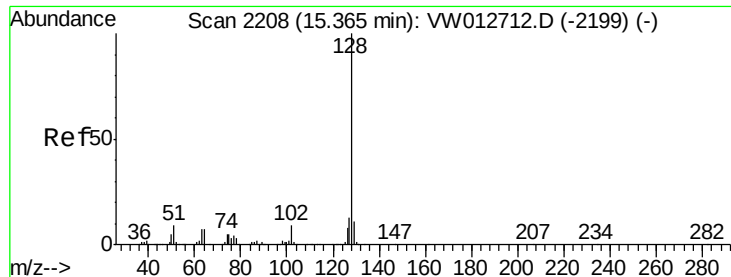
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#

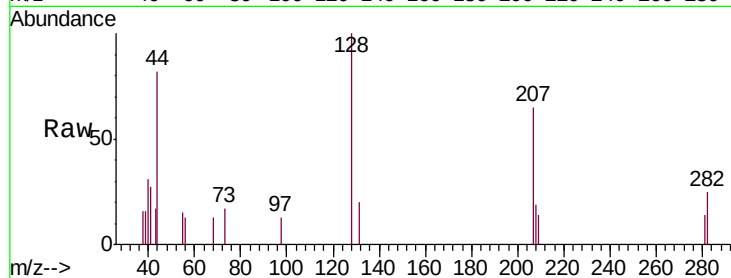




#95
Naphthalene
Concen: 4.567 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012792.D
Acq: 09 Sep 2019 01:41

Instrument :
MSVOA_W
ClientSampleId :
PAR-11-C4-(0)

Tgt Ion:128 Resp: 482
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 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

