

Data File : VW012776.D
Acq On : 08 Sep 2019 18:10
Operator : SY/VA
Sample : K4603-14
Misc : 4.54G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F3-(0)

Quant Time: Sep 09 06:00:13 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	189492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	98377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	111416	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	85805	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.32	98	334694	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.62	95	104130	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	

Target Compounds

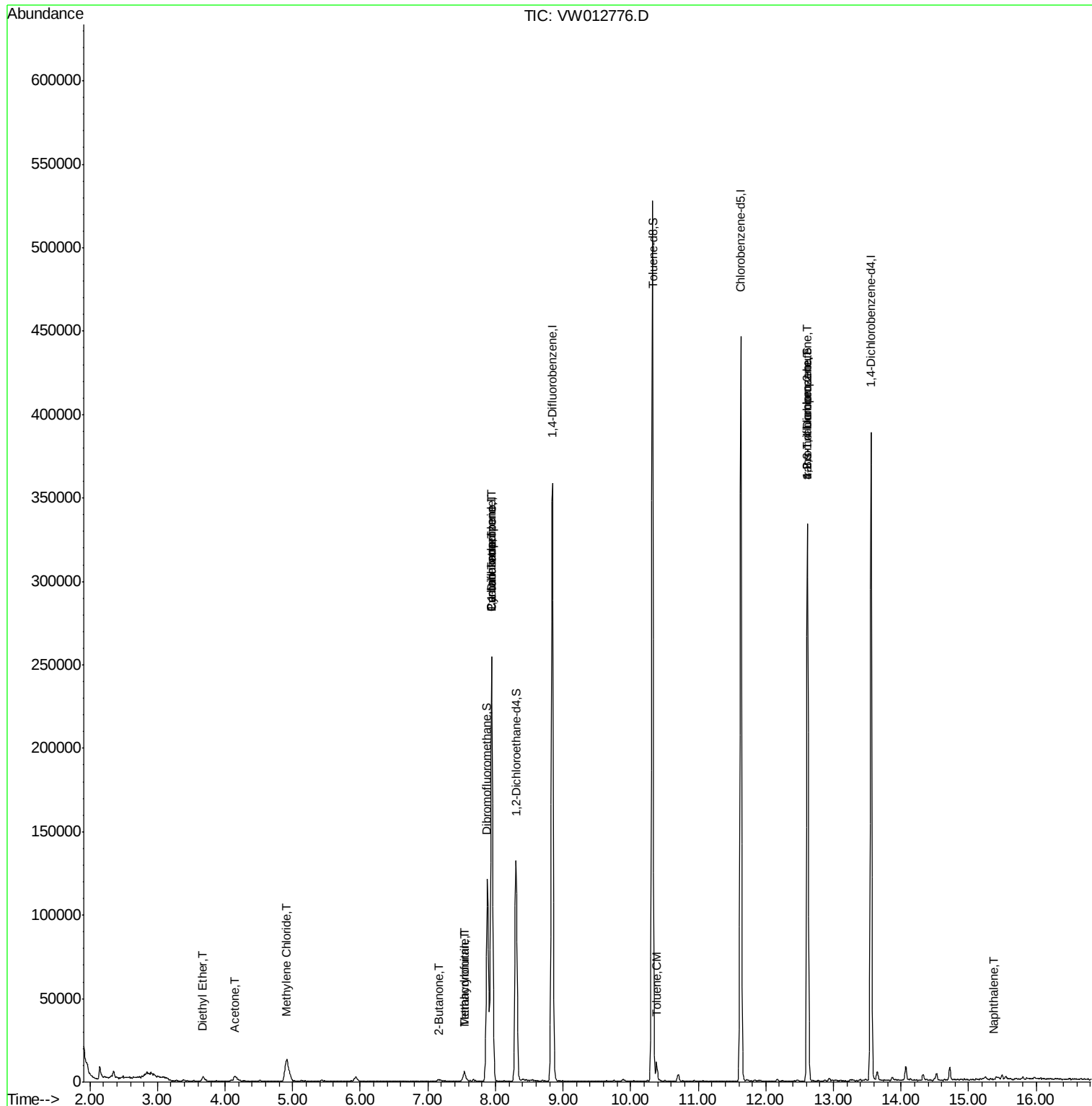
						Qvalue
8) Diethyl Ether	3.67	74	1438	1.620	ug/l	94
16) Acetone	4.14	43	7548	13.077	ug/l	90
20) Methylene Chloride	4.90	84	4512	2.499	ug/l	83
25) 2-Butanone	7.15	43	139	19.831	ug/l #	53
29) Tetrahydrofuran	7.54	42	4460	9.568	ug/l	93
31) Cyclohexane	7.94	56	4364	1.402	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	15061	5.901	ug/l #	52
38) Carbon Tetrachloride	7.94	117	18171	7.223	ug/l #	17
41) Methacrylonitrile	7.54	41	3173	6.487	ug/l #	54
52) Toluene	10.38	92	4544	1.028	ug/l	91
76) 1,2,3-Trichloropropane	12.62	75	57815	57.473	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57815	121.560	ug/l #	6
95) Naphthalene	15.36	128	198	4.483	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: VW012776.D

Acq: 08 Sep 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

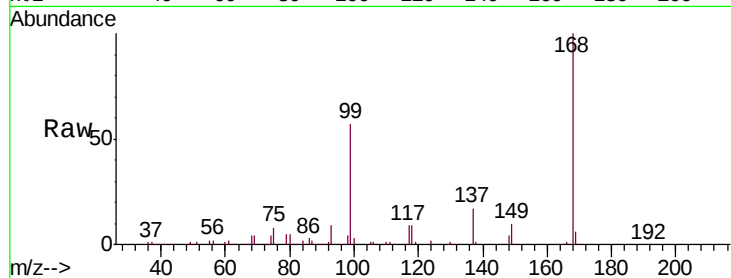
PAR-12-F3-(0)

Tgt Ion:168 Resp: 189492

Ion Ratio Lower Upper

168 100

99 56.7 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

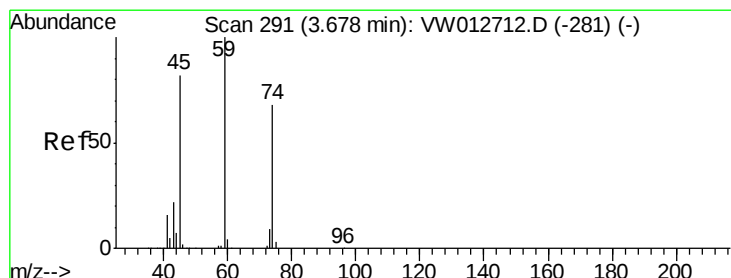
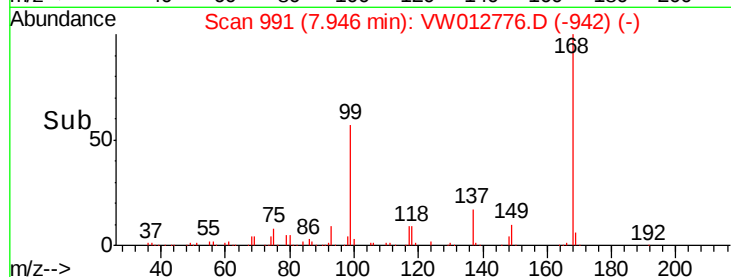
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.620 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012776.D

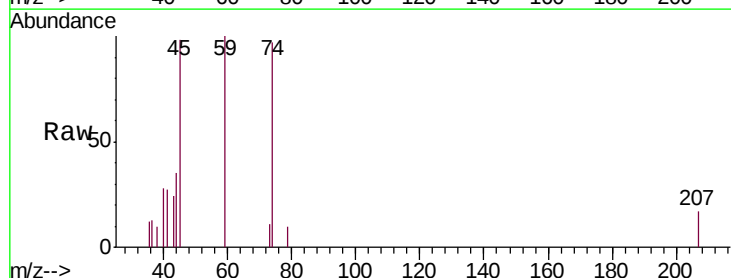
Acq: 08 Sep 2019 18:10

Tgt Ion: 74 Resp: 1438

Ion Ratio Lower Upper

74 100

45 124.5 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

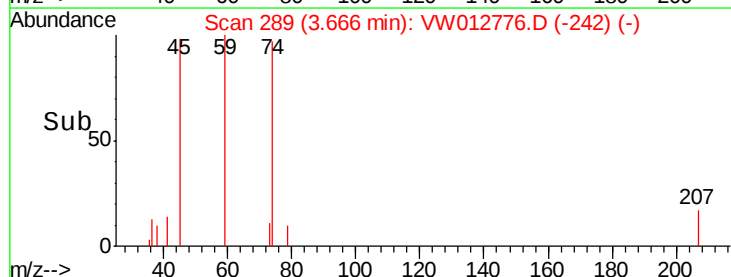
600

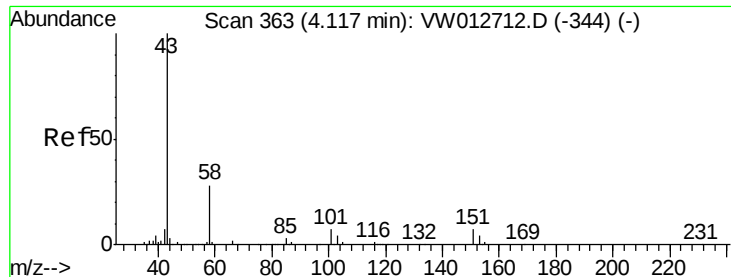
400

200

0

Time-->

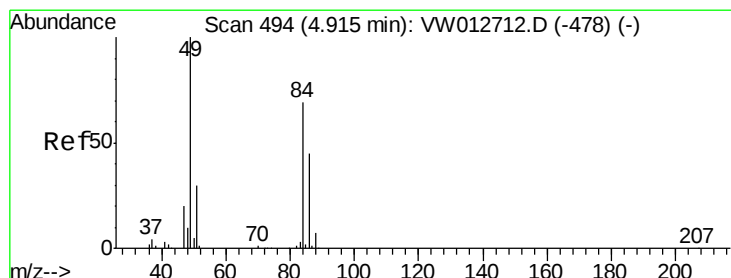
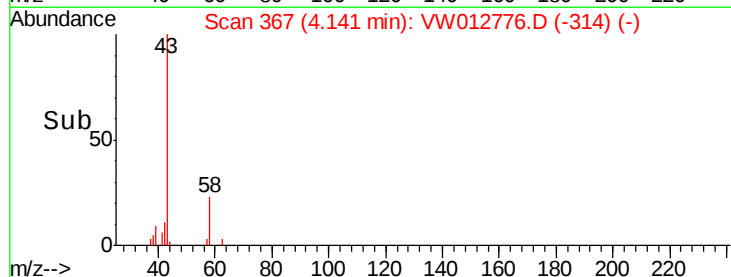
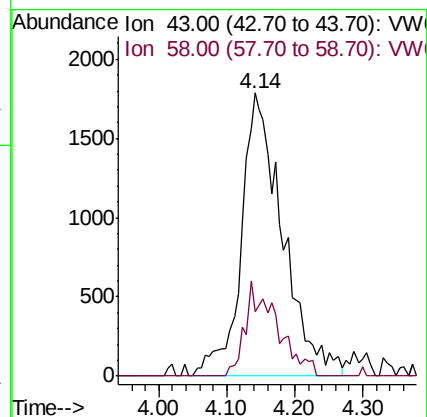
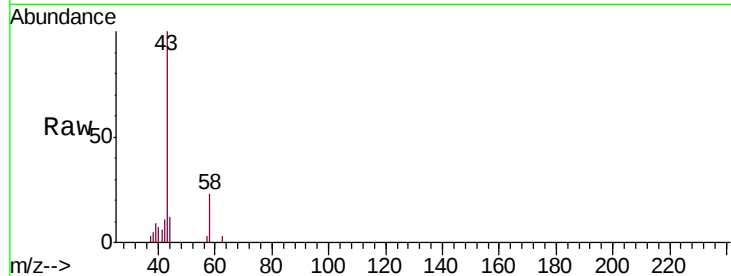




#16
Acetone
Concen: 13.077 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

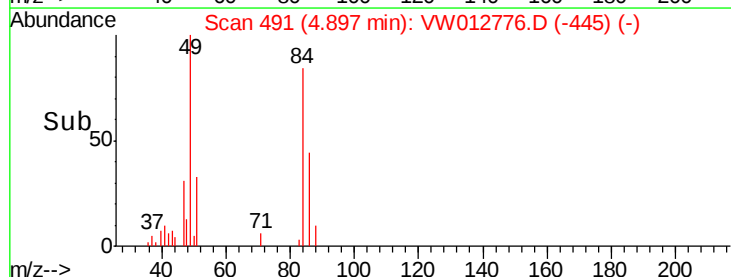
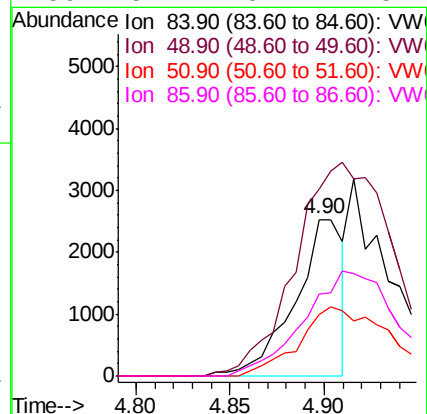
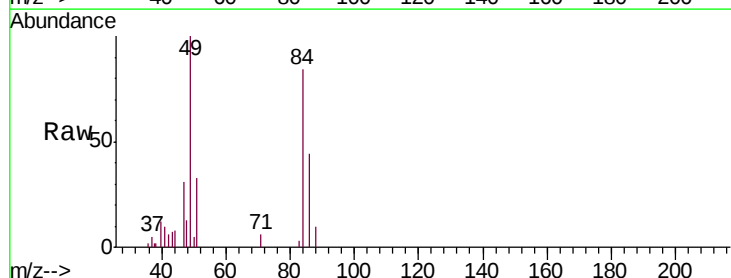
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F3-(0)

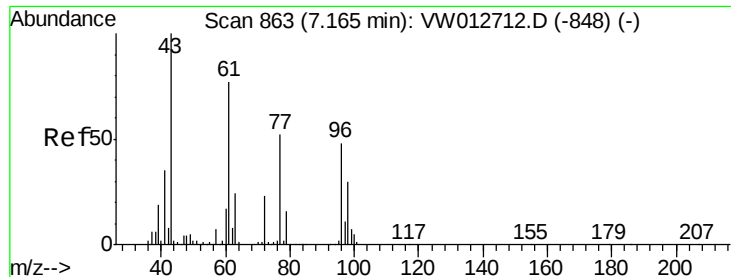
Tgt Ion: 43 Resp: 7548
Ion Ratio Lower Upper
43 100
58 22.7 22.6 33.8



#20
Methylene Chloride
Concen: 2.499 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.02 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

Tgt Ion: 84 Resp: 4512
Ion Ratio Lower Upper
84 100
49 119.0 115.4 173.0
51 38.9 34.9 52.3
86 52.7 52.2 78.4





#25

2-Butanone

Concen: 19.831 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

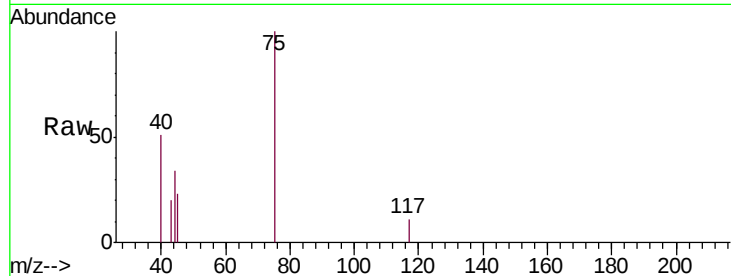
PAR-12-F3-(0)

Tgt Ion: 43 Resp: 139

Ion Ratio Lower Upper

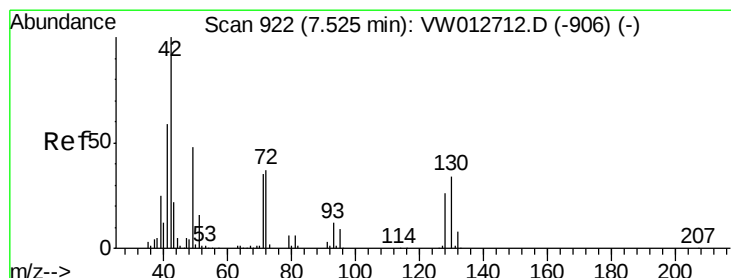
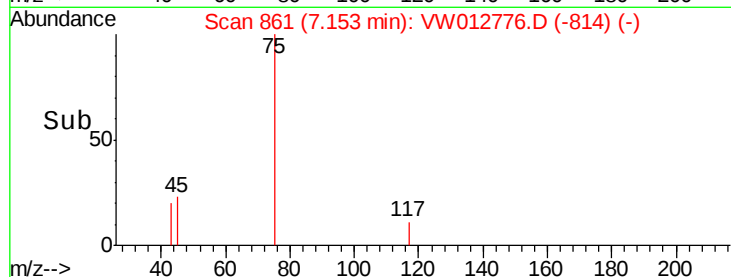
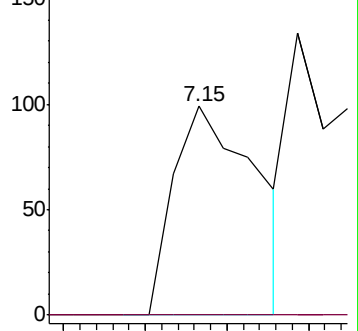
43 100

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: 9.568 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

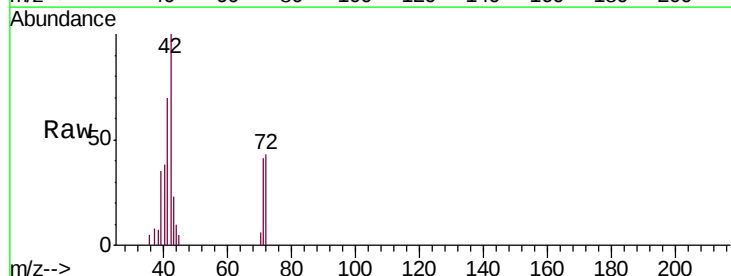
Tgt Ion: 42 Resp: 4460

Ion Ratio Lower Upper

42 100

72 37.2 28.4 42.6

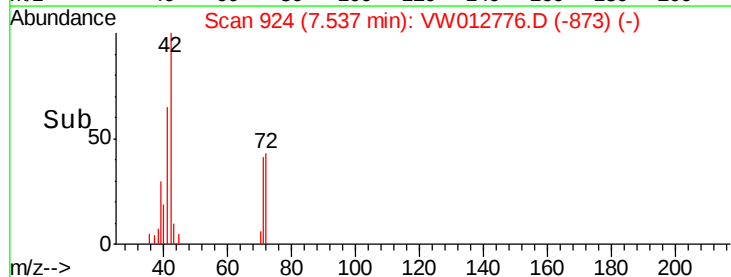
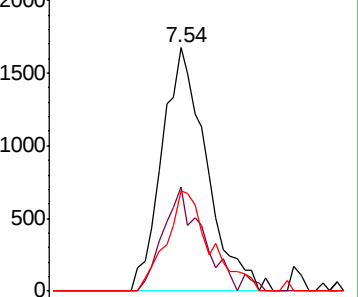
71 40.4 27.1 40.7

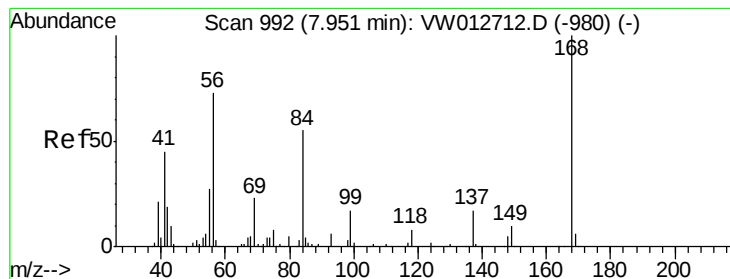


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.402 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-F3-(0)

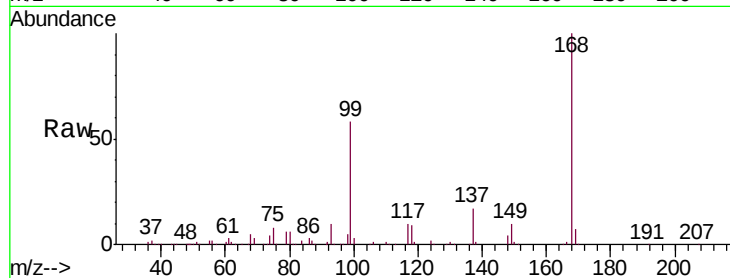
Tgt Ion: 56 Resp: 4364

Ion Ratio Lower Upper

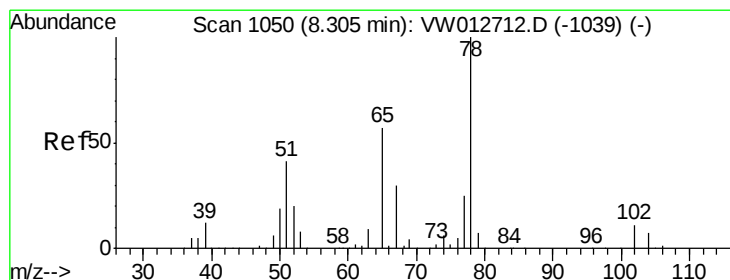
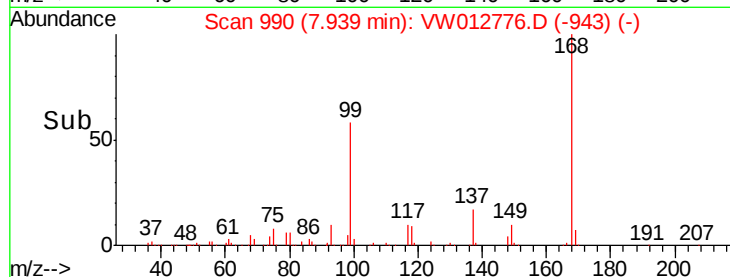
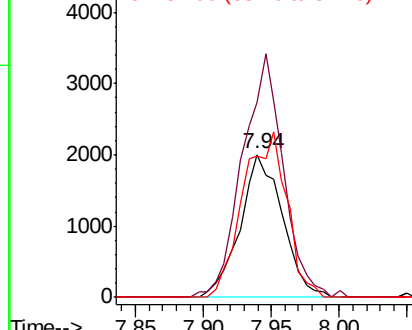
56 100

69 136.8 25.7 38.5#

84 99.2 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: 52.623 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012776.D

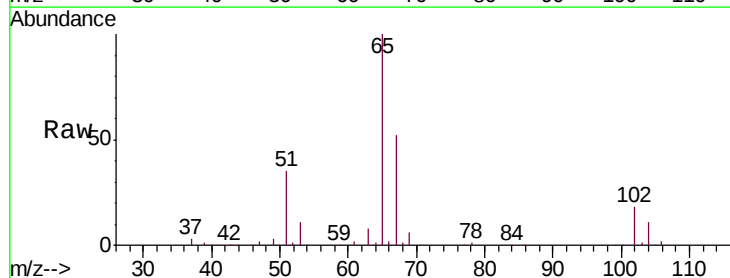
Acq: 08 Sep 2019 18:10

Tgt Ion: 65 Resp: 111416

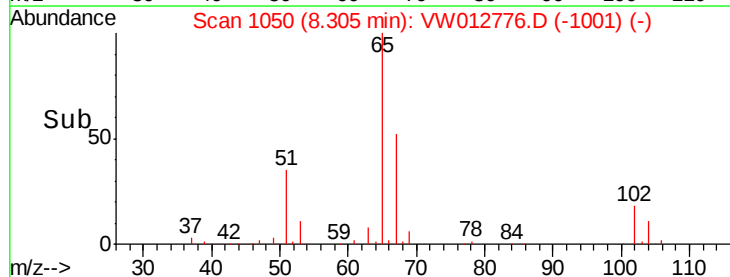
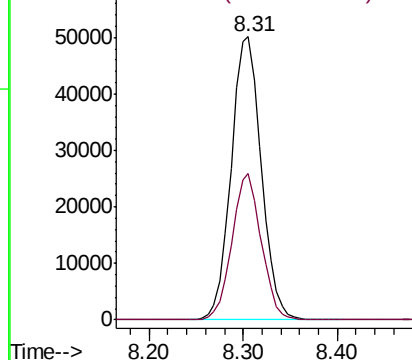
Ion Ratio Lower Upper

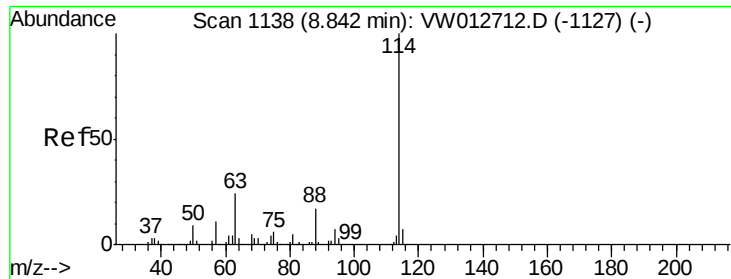
65 100

67 50.2 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

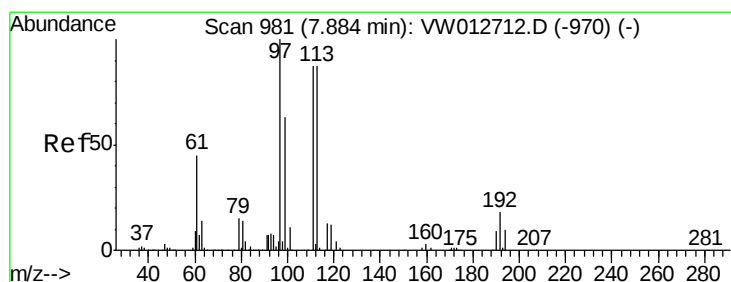
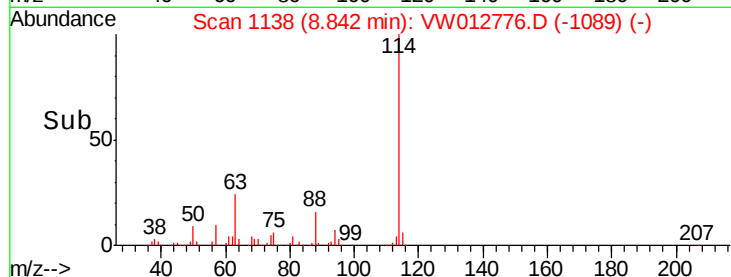
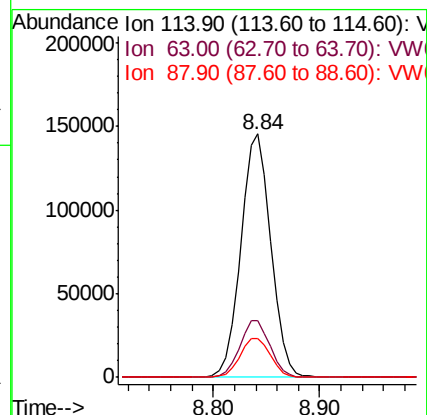
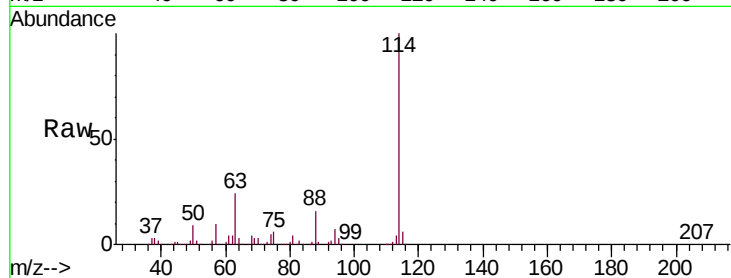




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012776.D
 Acq: 08 Sep 2019 18:10

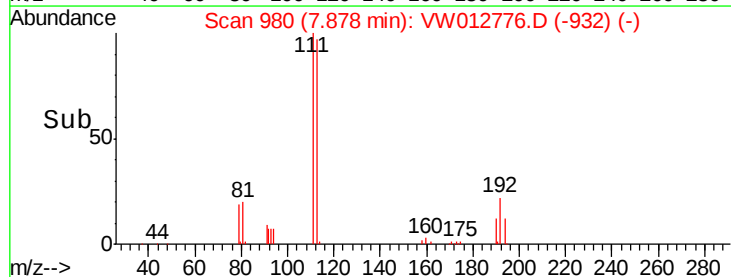
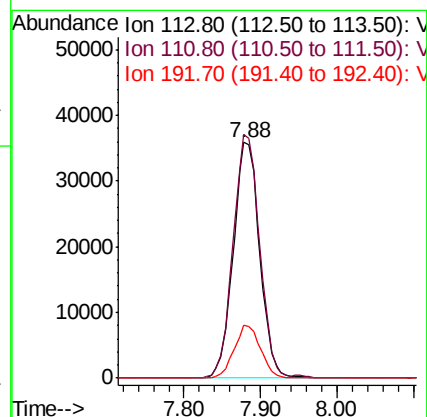
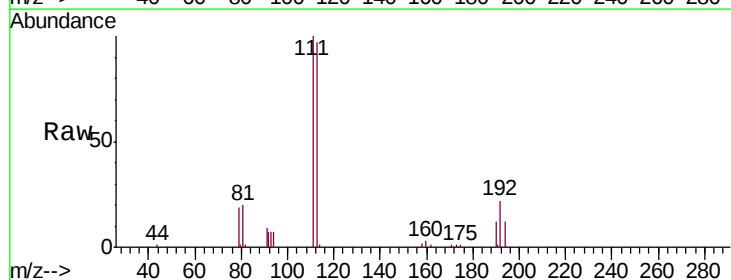
Instrument :
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 ClientSampleId :
 PAR-12-F3-(0)

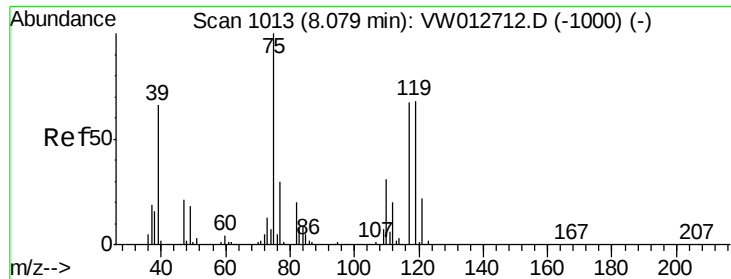
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	47.2
88	16.1	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 50.245 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012776.D
 Acq: 08 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.2	120.4
192	22.4	17.3	25.9

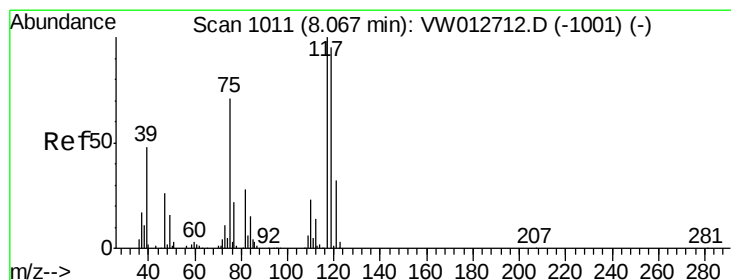
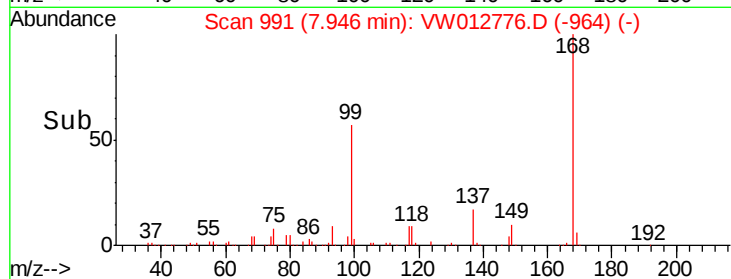
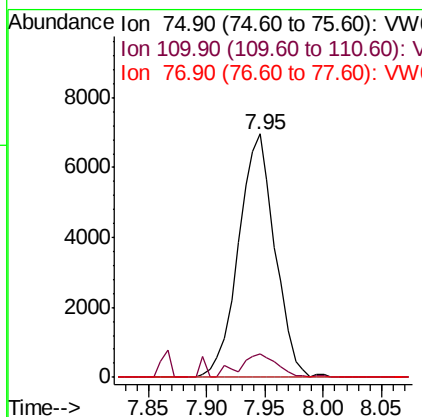
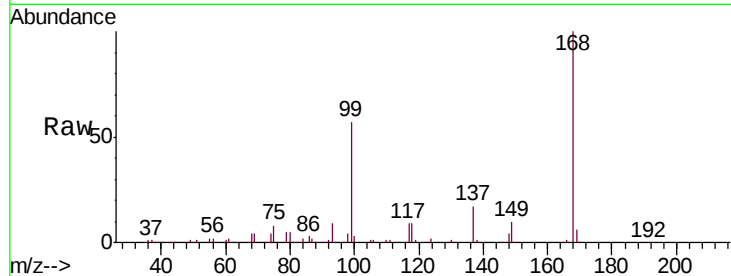




#36
 1,1-Dichloropropene
 Concen: 5.901 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012776.D
 Acq: 08 Sep 2019 18:10

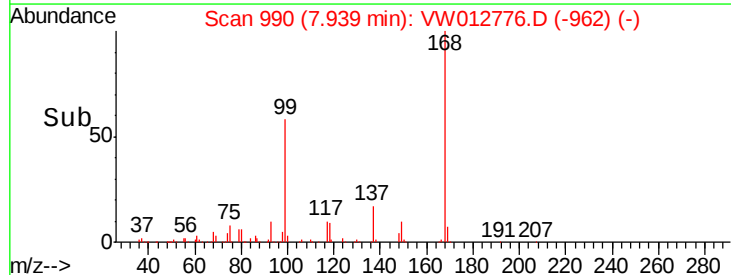
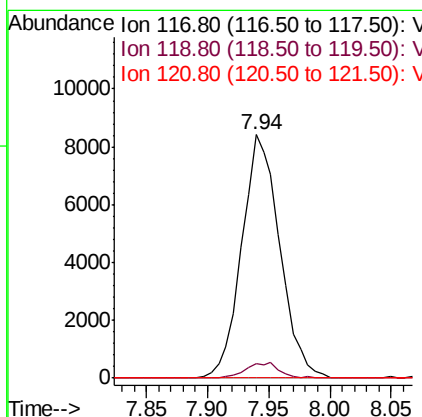
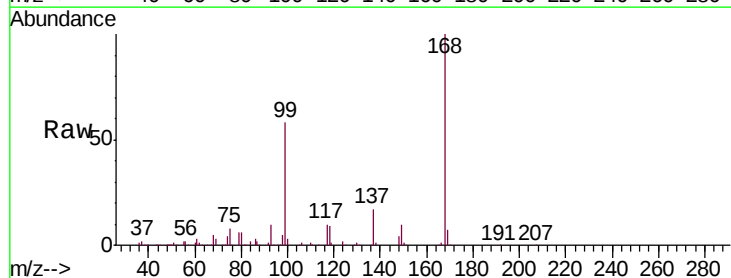
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-F3-(0)

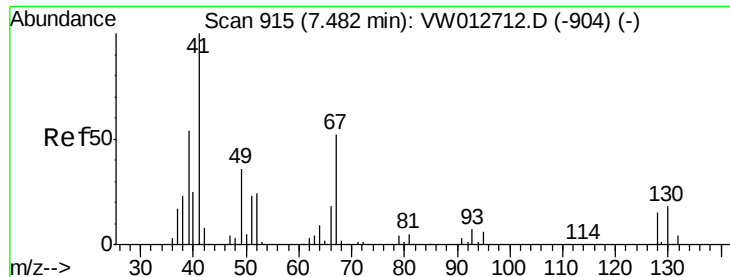
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.223 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012776.D
 Acq: 08 Sep 2019 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	25.4	38.2#

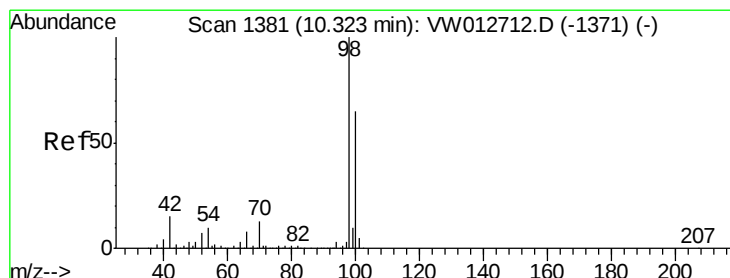
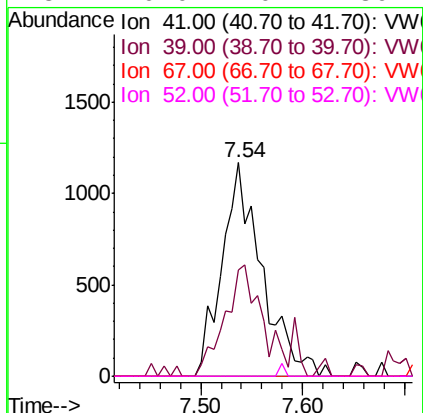
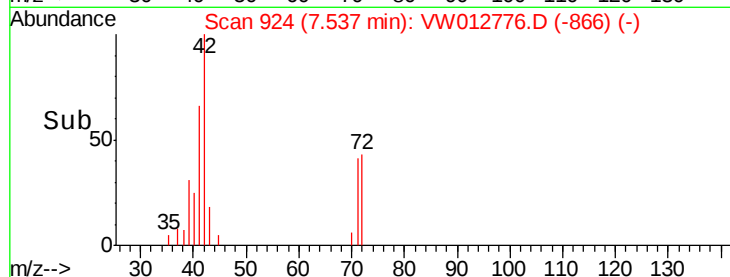
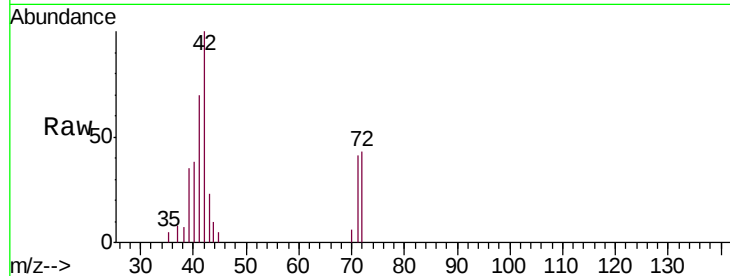




#41
Methacrylonitrile
Concen: 6.487 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

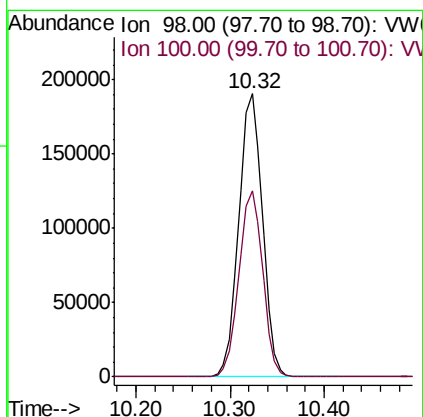
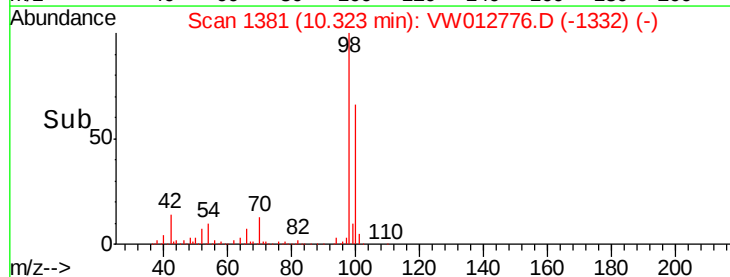
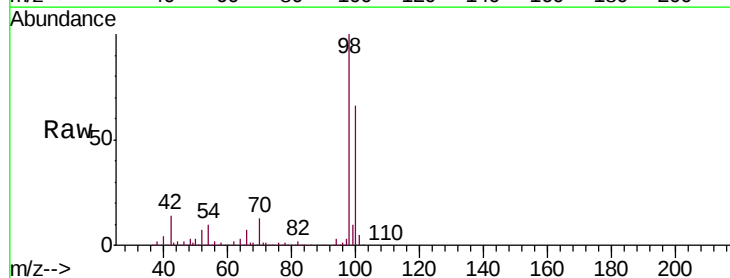
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F3-(0)

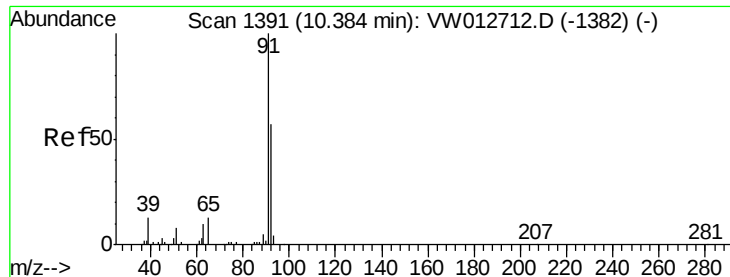
Tgt Ion: 41 Resp: 3173
Ion Ratio Lower Upper
41 100
39 48.6 47.5 71.3
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#50
Toluene-d8
Concen: 50.025 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

Tgt Ion: 98 Resp: 334694
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4





#52

Toluene

Concen: 1.028 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

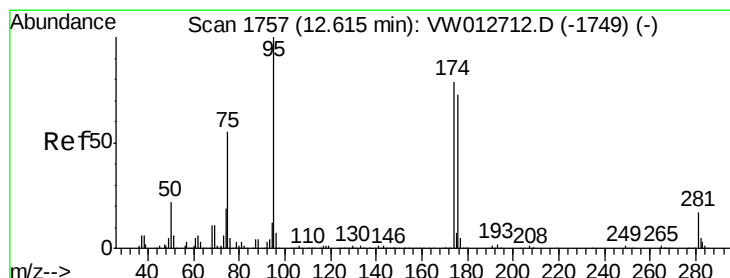
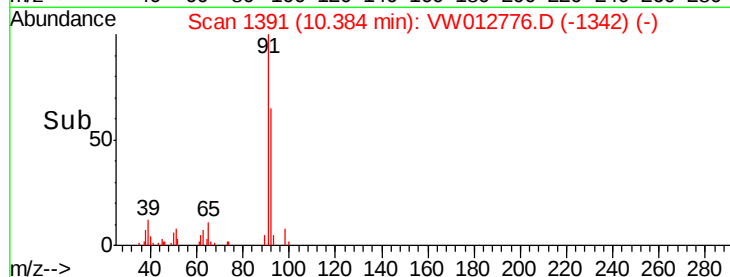
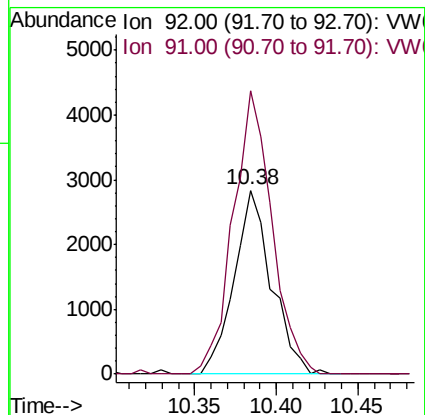
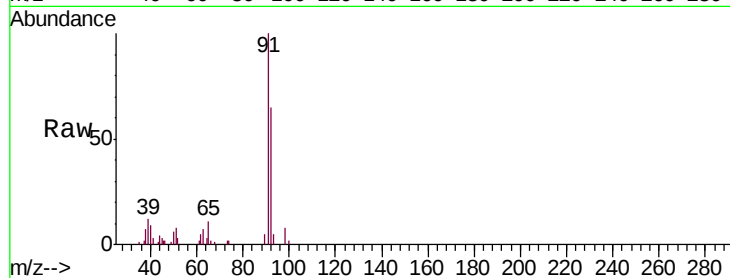
PAR-12-F3-(0)

Tgt Ion: 92 Resp: 4544

Ion Ratio Lower Upper

92 100

91 159.4 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 42.872 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

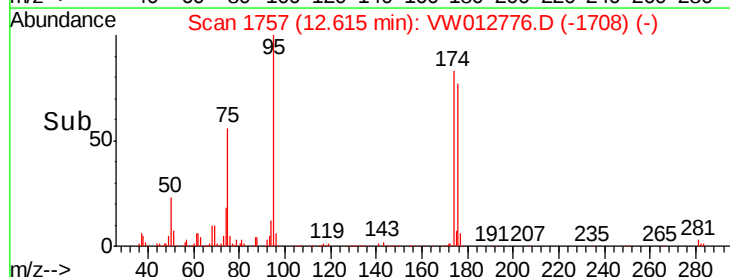
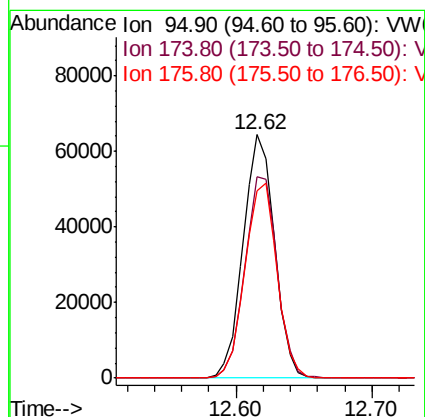
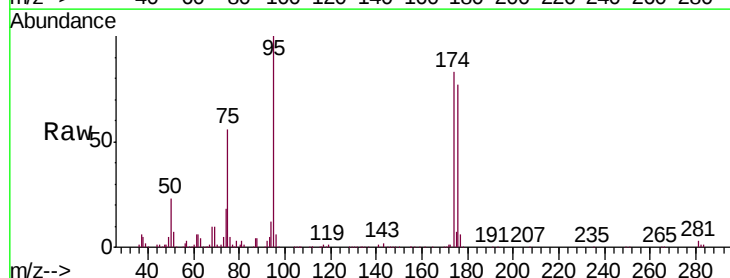
Tgt Ion: 95 Resp: 104130

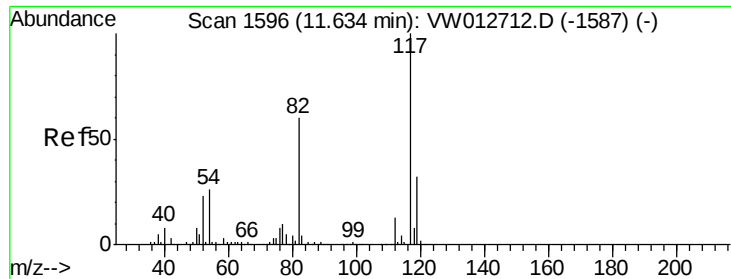
Ion Ratio Lower Upper

95 100

174 85.0 0.0 161.0

176 81.9 0.0 156.4

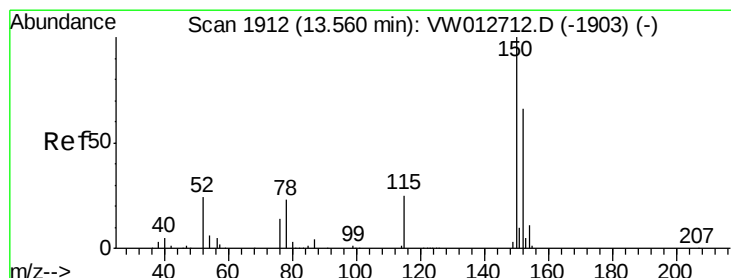
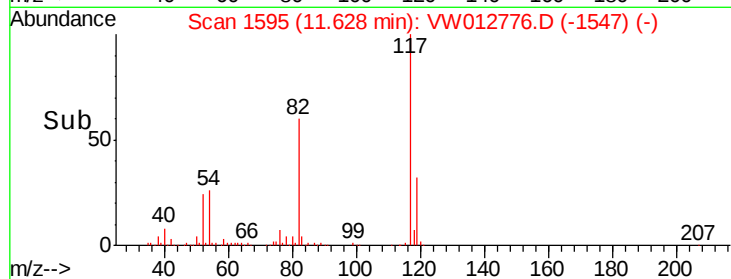
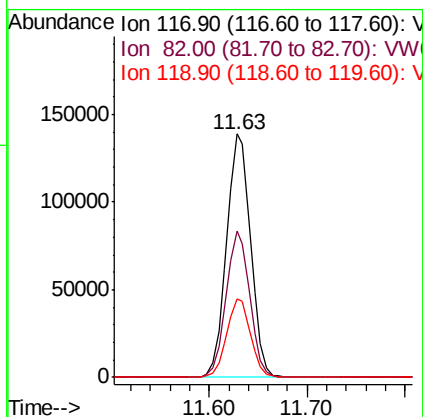
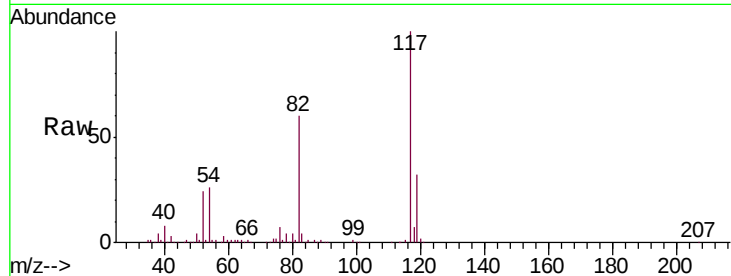




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

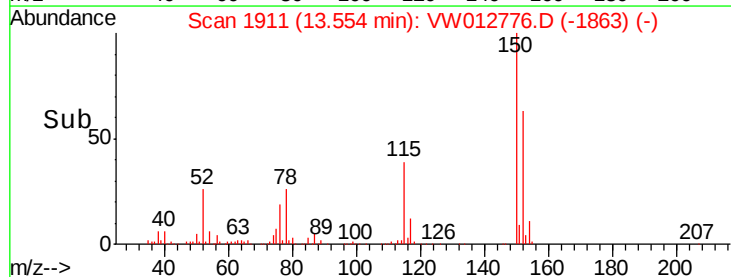
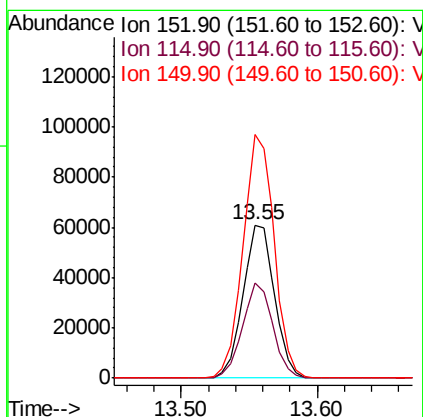
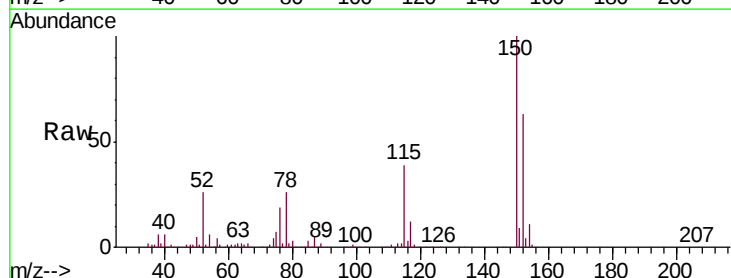
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F3-(0)

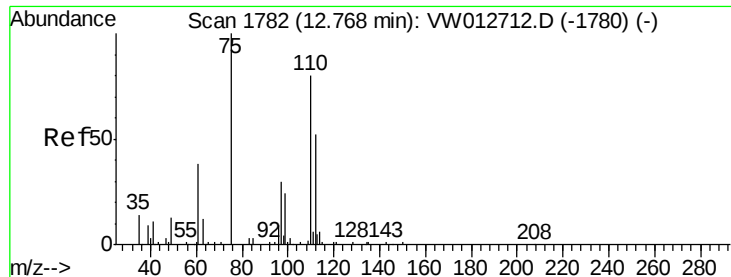
Tgt Ion:117 Resp: 236922
Ion Ratio Lower Upper
117 100
82 60.2 48.2 72.4
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

Tgt Ion:152 Resp: 98377
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 57.473 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

Instrument :

MSVOA_W

ClientSampleId :

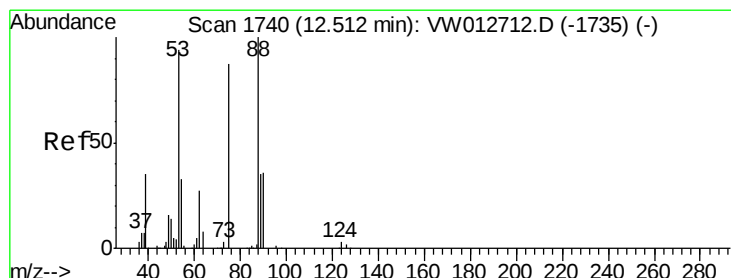
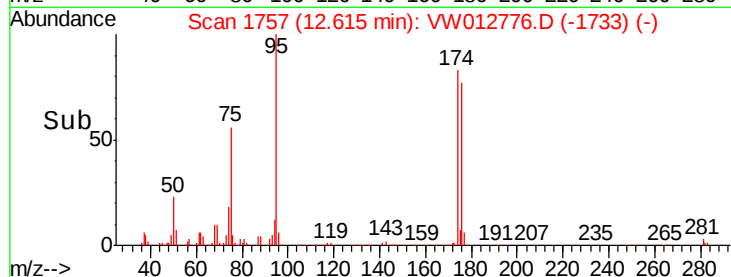
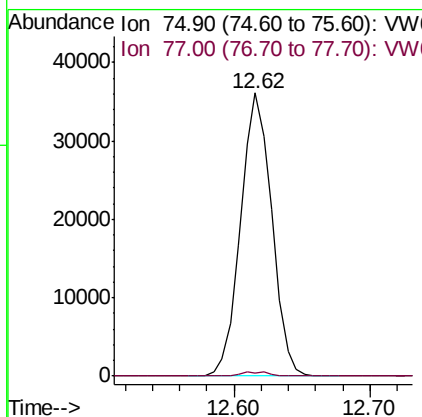
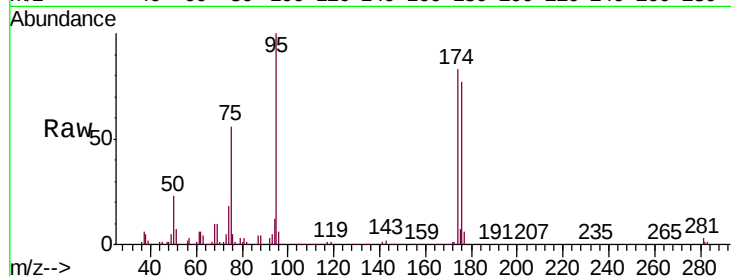
PAR-12-F3-(0)

Tgt Ion: 75 Resp: 57815

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.560 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012776.D

Acq: 08 Sep 2019 18:10

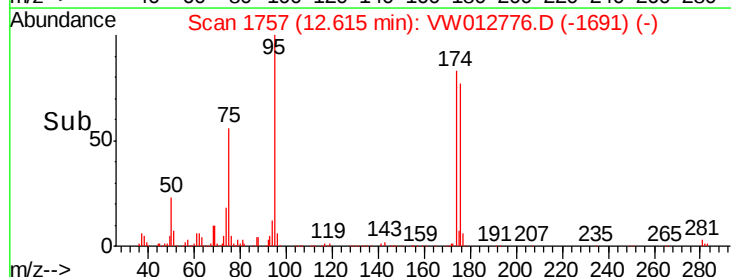
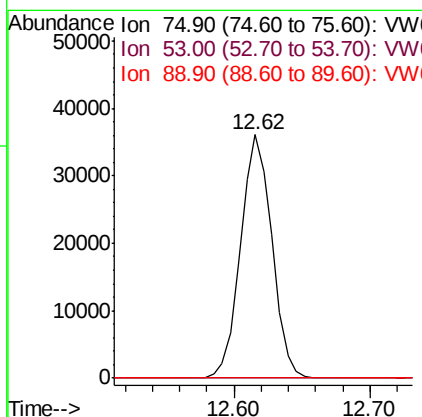
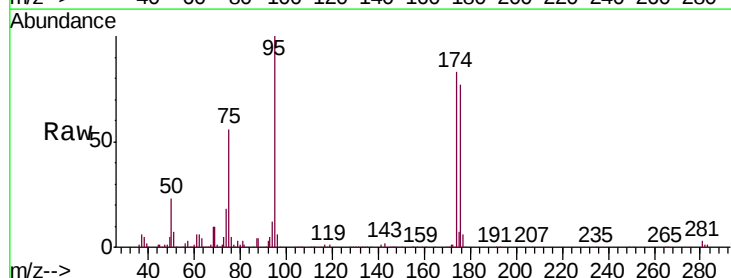
Tgt Ion: 75 Resp: 57815

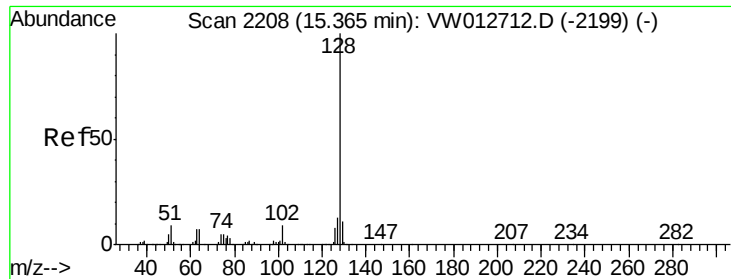
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#

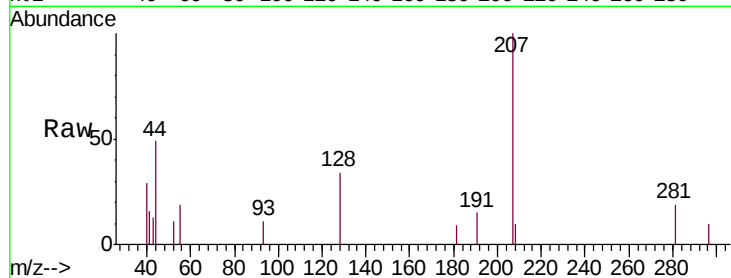




#95
Naphthalene
Concen: 4.483 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012776.D
Acq: 08 Sep 2019 18:10

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-F3-(0)

Tgt 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

