

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012669.D
 Acq On : 06 Sep 2019 04:22
 Operator : SY/VA
 Sample : K4579-14
 Misc : 6.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B2-(3.5)

Quant Time: Sep 06 07:59:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113839	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	146464	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.88	113	111248	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.32	98	441568	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	135194	43.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.06%	

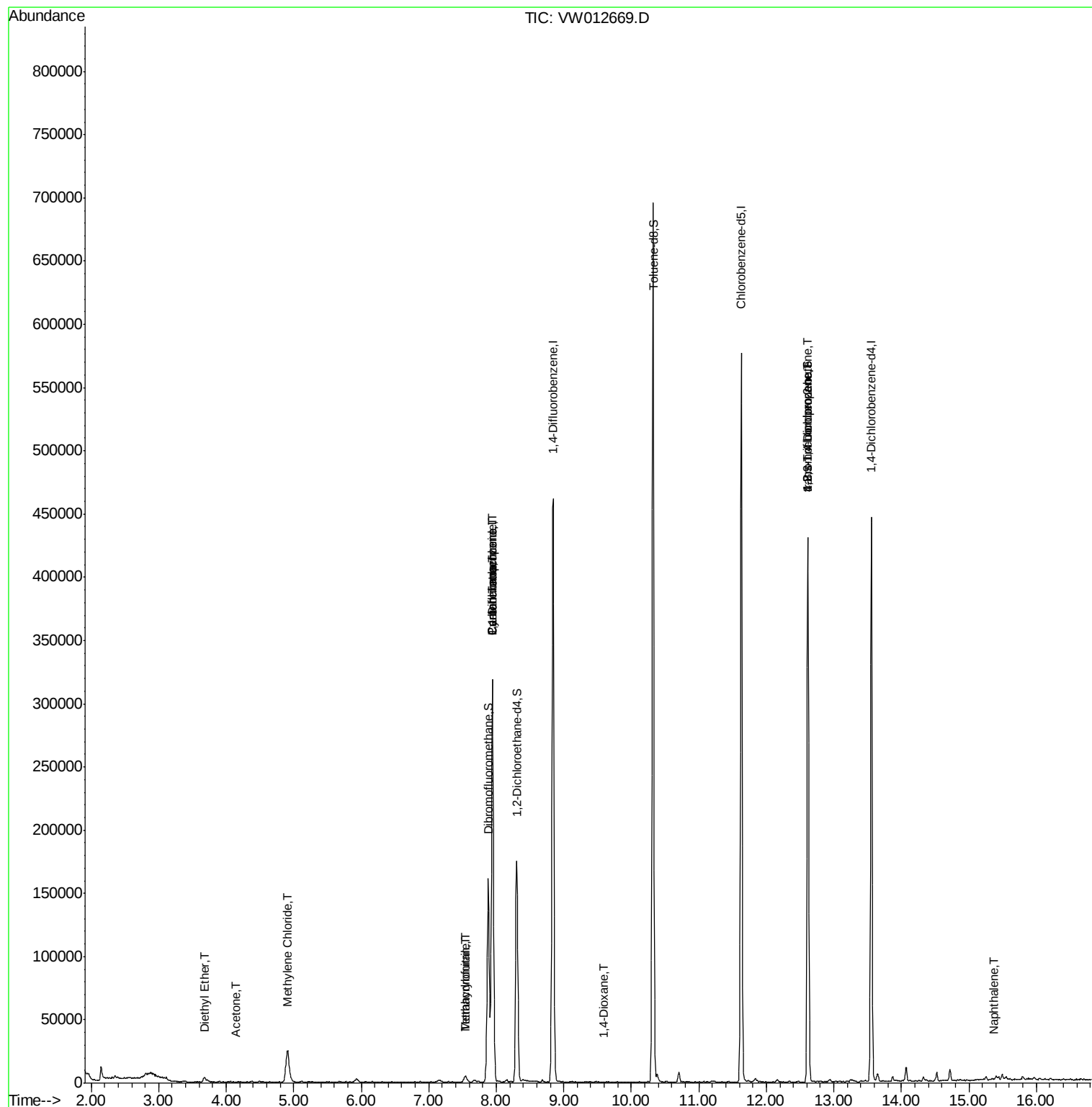
Target Compounds					Qvalue	
8) Diethyl Ether	3.68	74	2004	1.564	ug/l	95
16) Acetone	4.15	43	1003	1.433	ug/l #	47
20) Methylene Chloride	4.91	84	19438	7.347	ug/l	95
29) Tetrahydrofuran	7.54	42	5020	8.799	ug/l	96
31) Cyclohexane	7.95	56	5669	1.150	ug/l #	18
36) 1,1-Dichloropropene	7.95	75	18602	4.945	ug/l #	53
38) Carbon Tetrachloride	7.95	117	23658	7.265	ug/l #	17
41) Methacrylonitrile	7.54	41	2876	2.374	ug/l #	48
49) 1,4-Dioxane	9.60	88	19	1.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	74352	67.062	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74352	147.035	ug/l #	6
95) Naphthalene	15.37	128	437	4.414	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

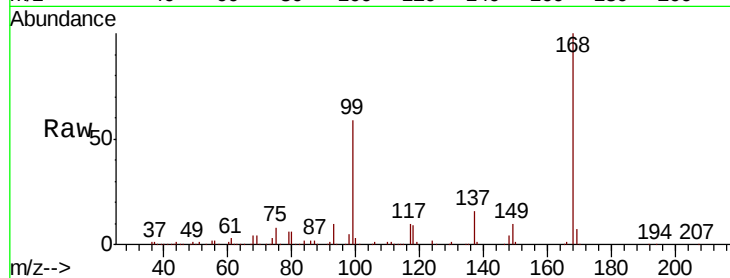
PAR-12-B2-(3.5)

Tgt Ion:168 Resp: 230298

Ion Ratio Lower Upper

168 100

99 59.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

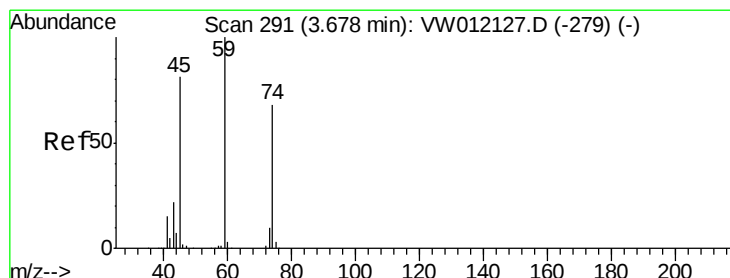
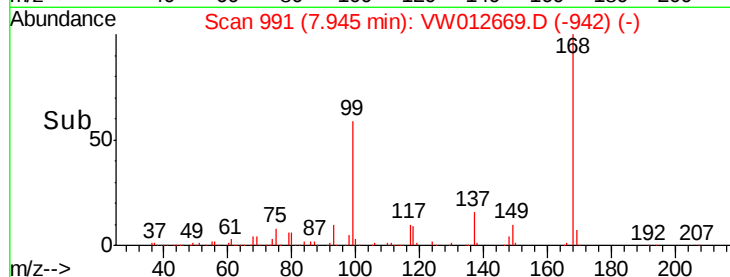
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.564 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012669.D

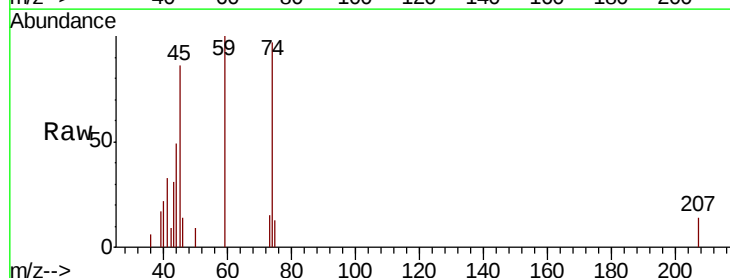
Acq: 06 Sep 2019 04:22

Tgt Ion: 74 Resp: 2004

Ion Ratio Lower Upper

74 100

45 124.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

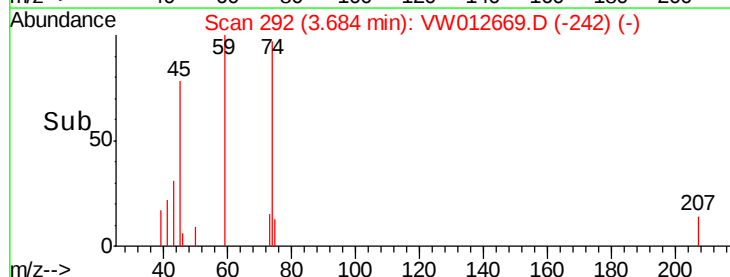
600

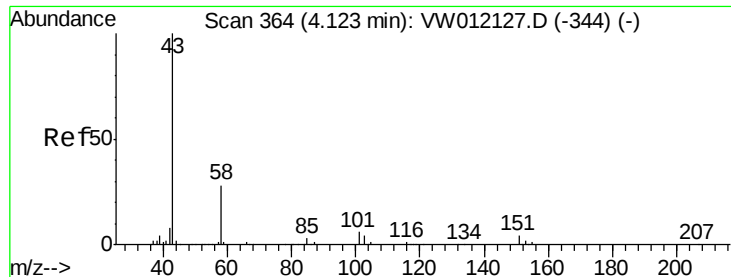
400

200

0

Time-->





#16

Acetone

Concen: 1.433 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.03 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

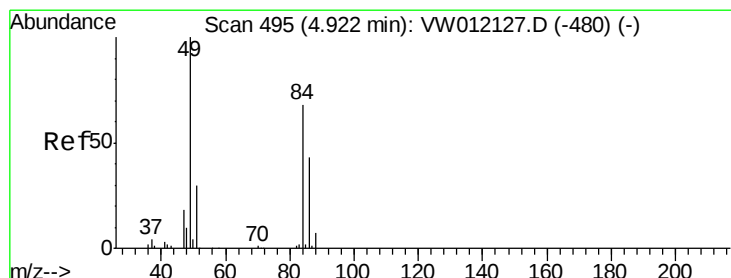
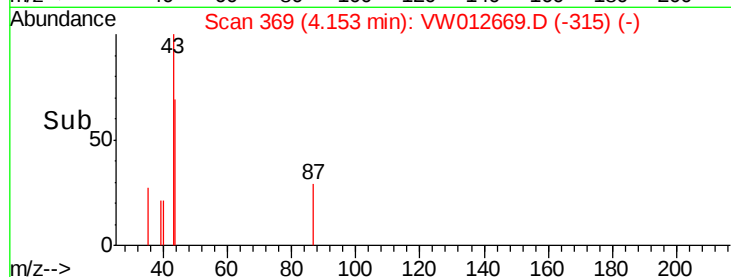
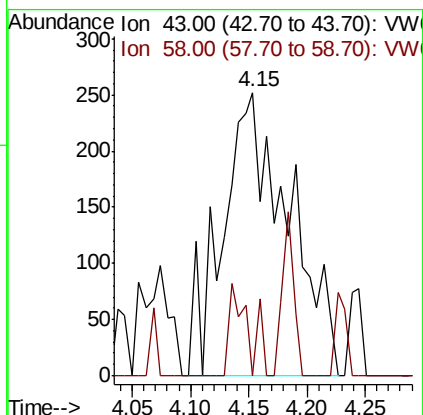
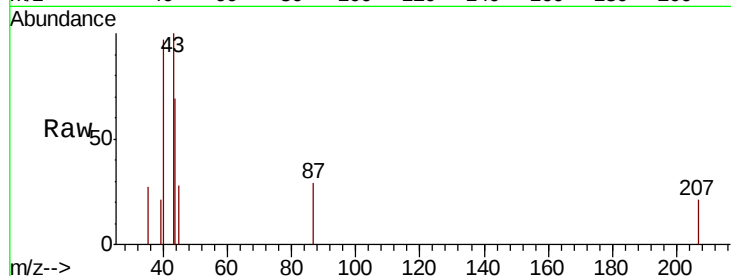
PAR-12-B2-(3.5)

Tgt Ion: 43 Resp: 1003

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#20

Methylene Chloride

Concen: 7.347 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Tgt Ion: 84 Resp: 19438

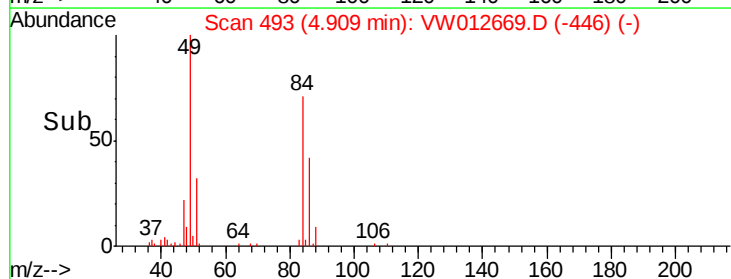
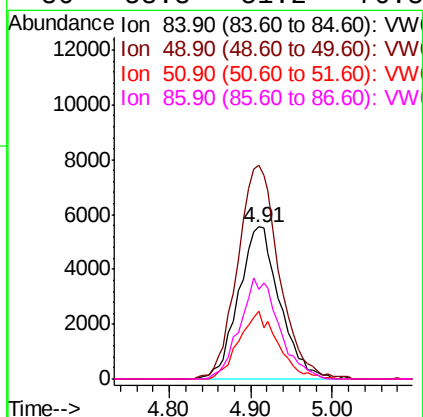
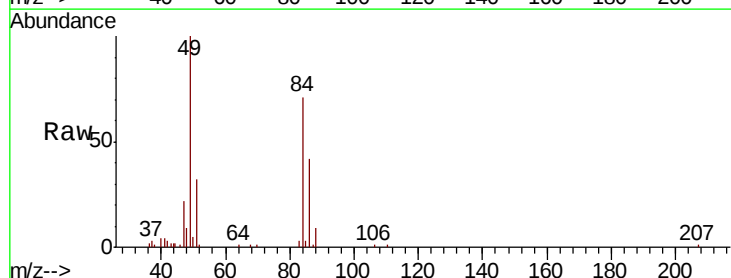
Ion Ratio Lower Upper

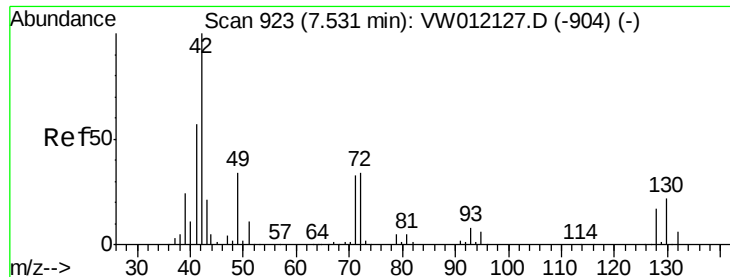
84 100

49 140.4 117.8 176.8

51 44.6 35.6 53.4

86 58.8 51.2 76.8





#29

Tetrahydrofuran

Concen: 8.799 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(3.5)

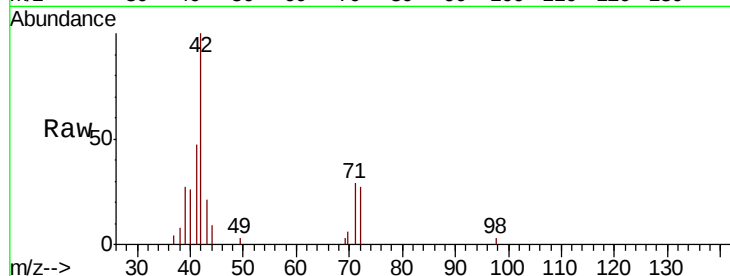
Tgt Ion: 42 Resp: 5020

Ion Ratio Lower Upper

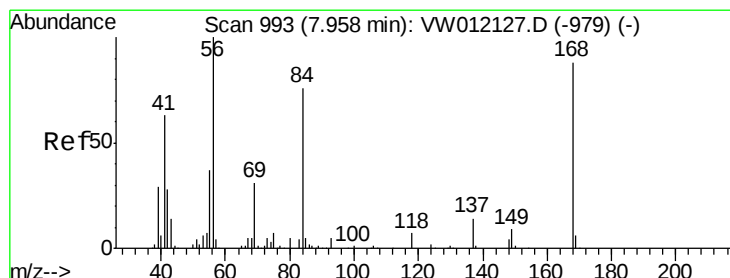
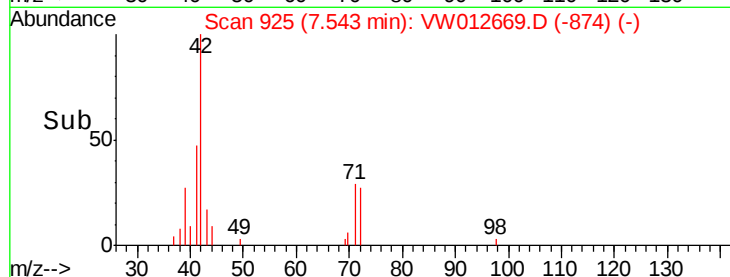
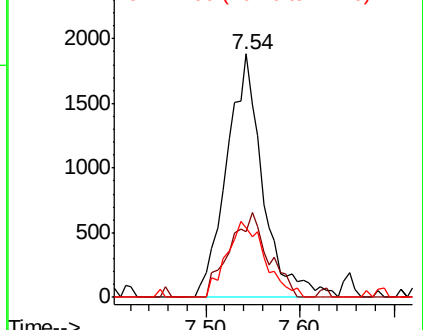
42 100

72 37.3 27.3 40.9

71 33.1 25.5 38.3



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: 1.150 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

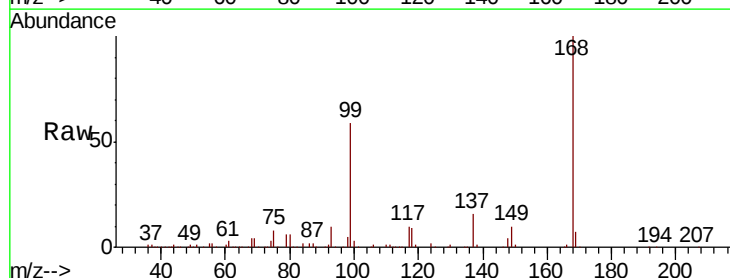
Tgt Ion: 56 Resp: 5669

Ion Ratio Lower Upper

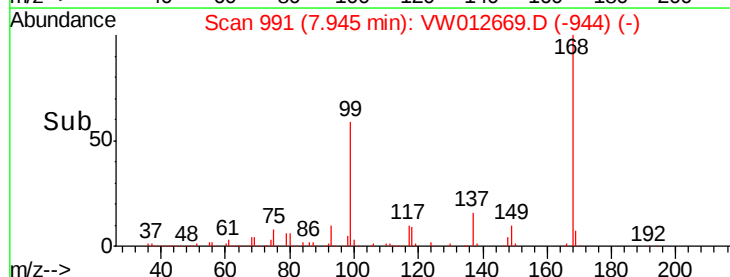
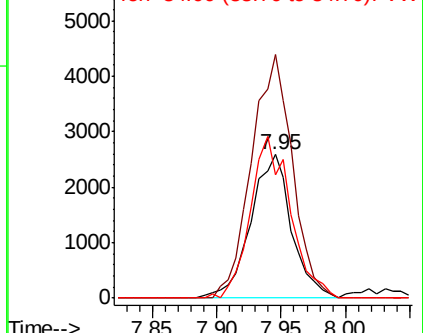
56 100

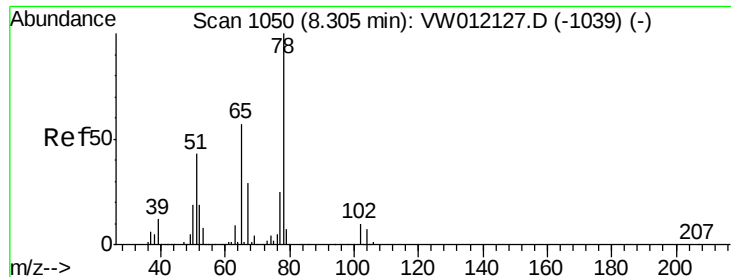
69 169.7 24.9 37.3#

84 85.8 60.6 90.8



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

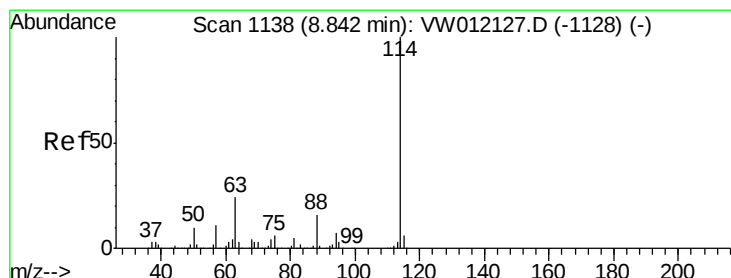
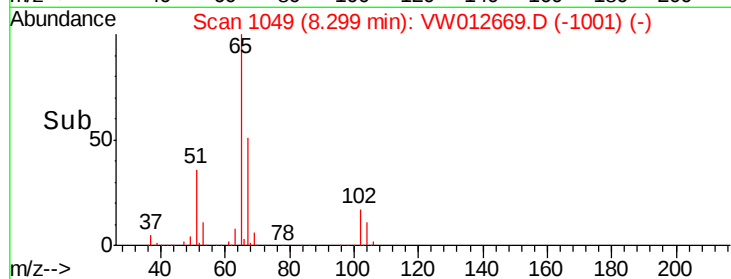
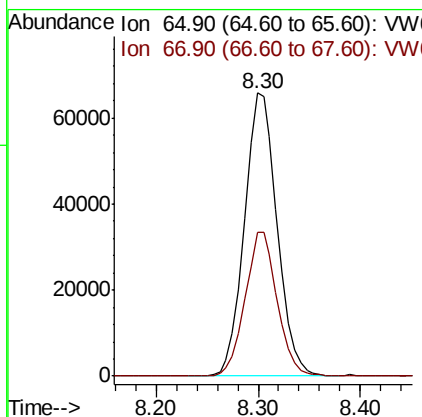
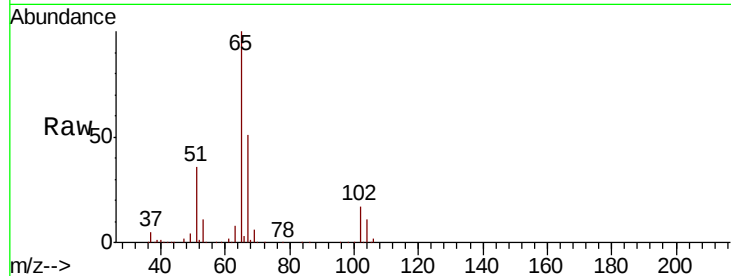




#33
 1,2-Dichloroethane-d4
 Concen: 53.499 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012669.D
 Acq: 06 Sep 2019 04:22

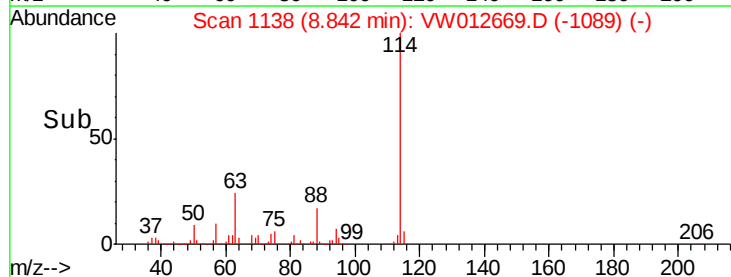
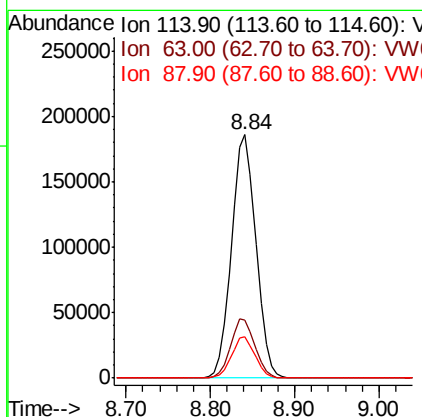
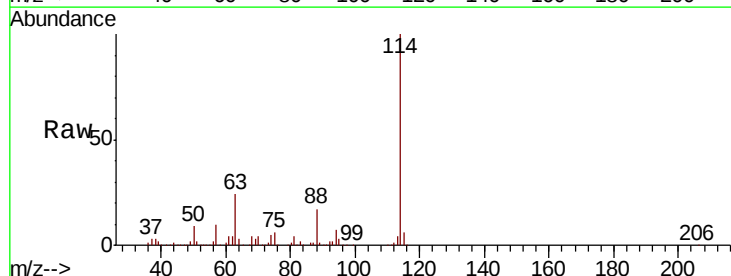
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B2-(3.5)

Tgt Ion: 65 Resp: 146464
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012669.D
 Acq: 06 Sep 2019 04:22

Tgt Ion: 114 Resp: 364060
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 16.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.194 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(3.5)

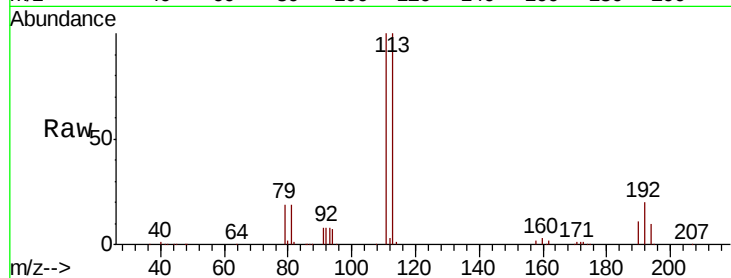
Tgt Ion:113 Resp: 111248

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

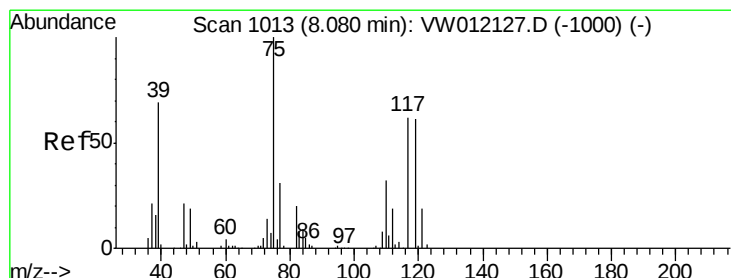
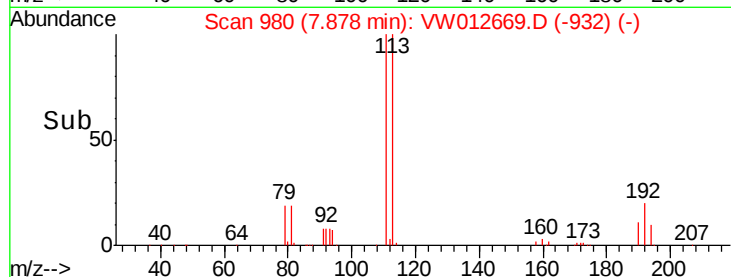
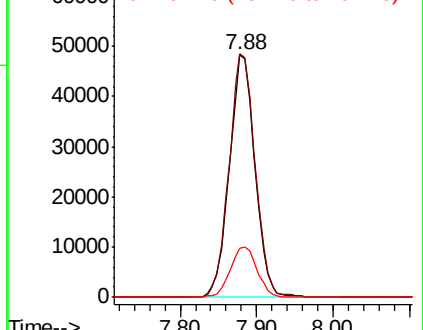
192 22.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.945 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

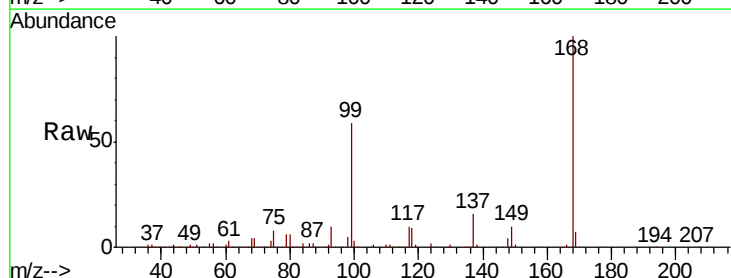
Tgt Ion: 75 Resp: 18602

Ion Ratio Lower Upper

75 100

110 10.3 15.6 46.8#

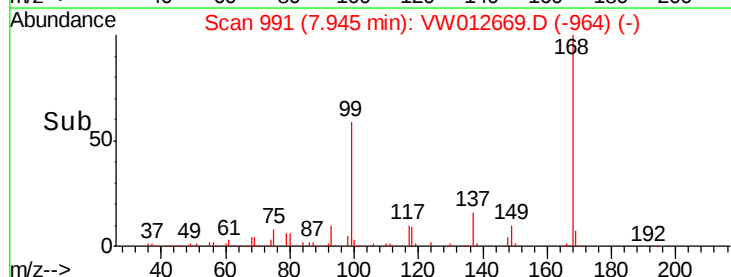
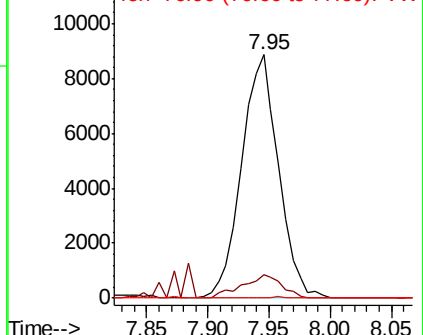
77 0.1 24.6 36.8#

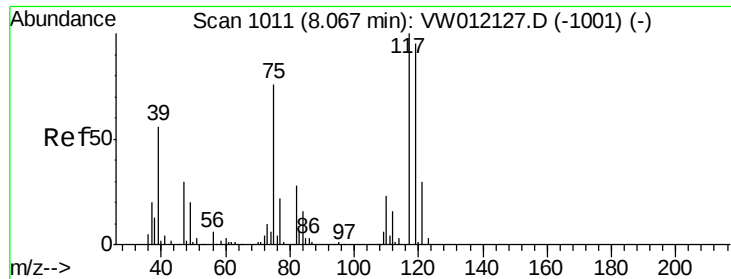


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

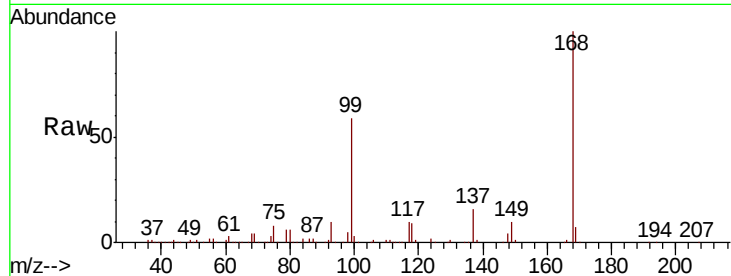




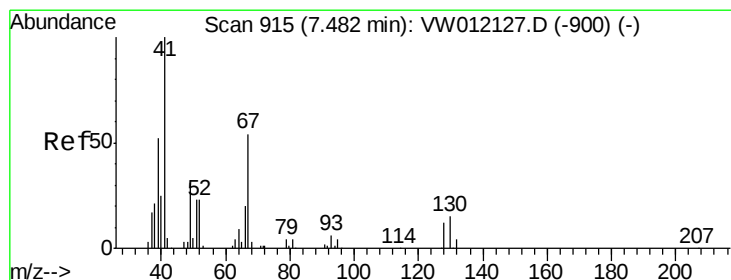
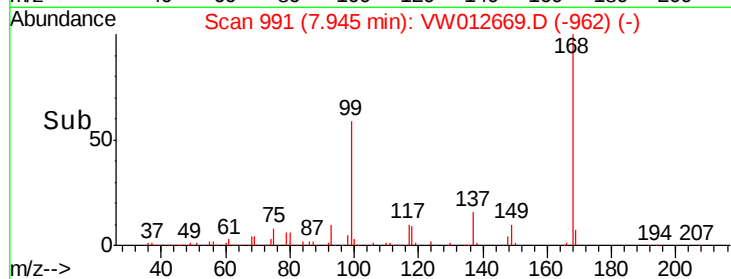
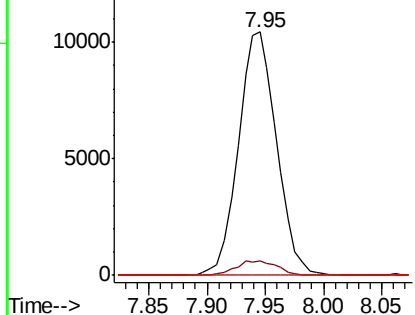
#38
Carbon Tetrachloride
Concen: 7.265 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(3.5)

Tgt Ion: 117 Resp: 23658
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 23.8 35.8#

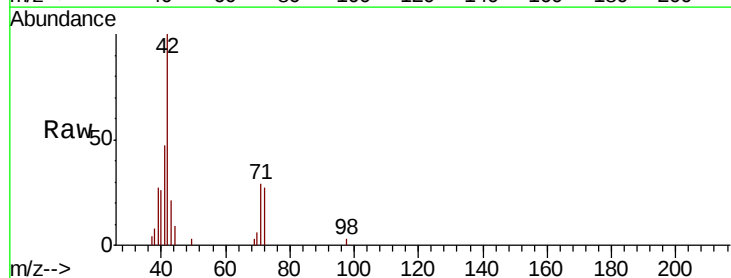


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

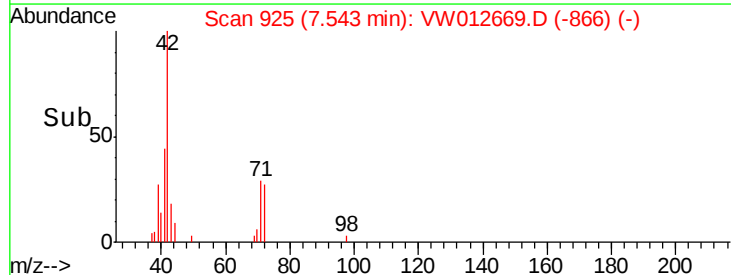
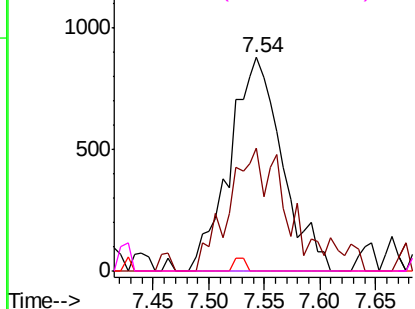


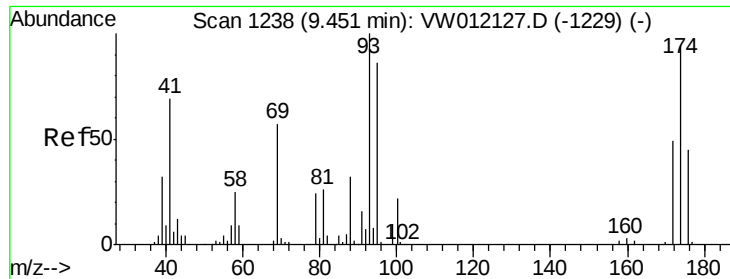
#41
Methacrylonitrile
Concen: 2.374 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

Tgt Ion: 41 Resp: 2876
Ion Ratio Lower Upper
41 100
39 37.1 45.8 68.8#
67 1.3 46.2 69.4#
52 0.0 21.0 31.6#



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

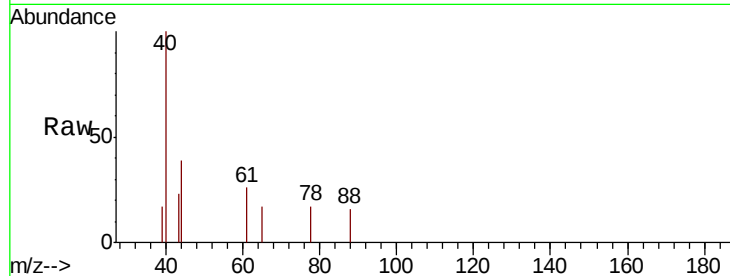




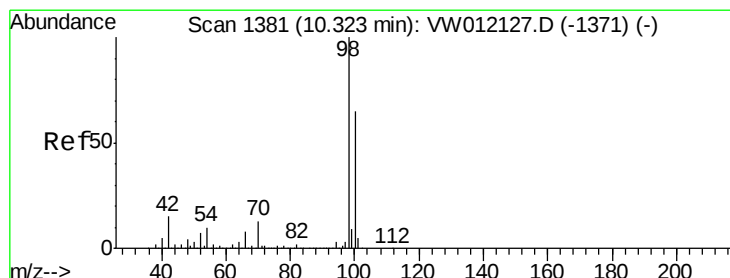
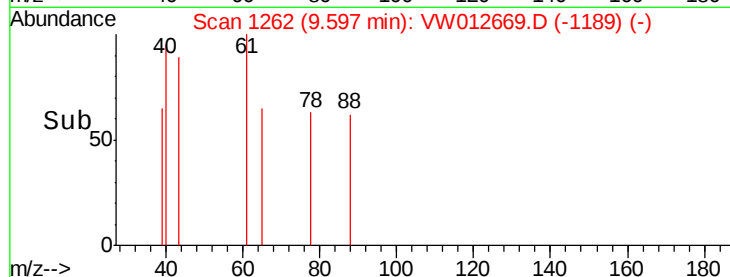
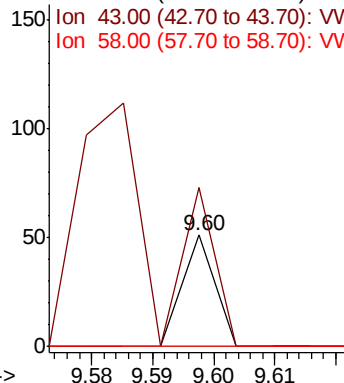
#49
1,4-Dioxane
Concen: 1.009 ug/l
RT: 9.60 min Scan# 1262
Delta R.T. 0.15 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(3.5)

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 542.1 32.9 49.3#
58 0.0 71.0 106.4#

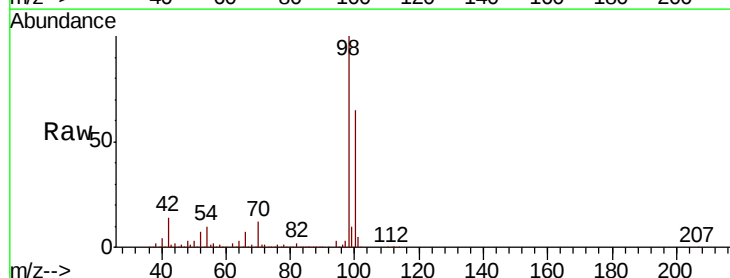


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

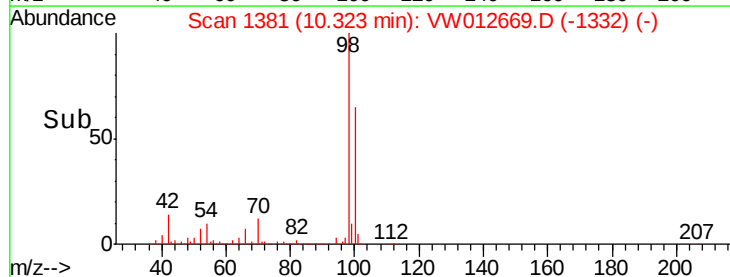
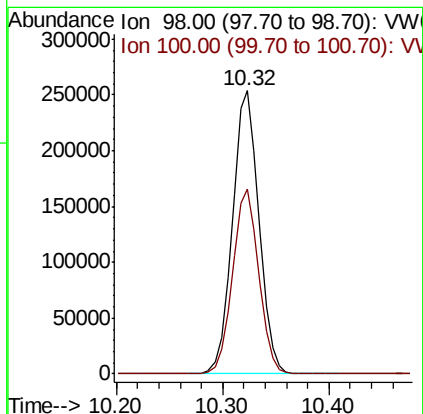


#50
Toluene-d8
Concen: 50.114 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

Tgt Ion: 98 Resp: 441568
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

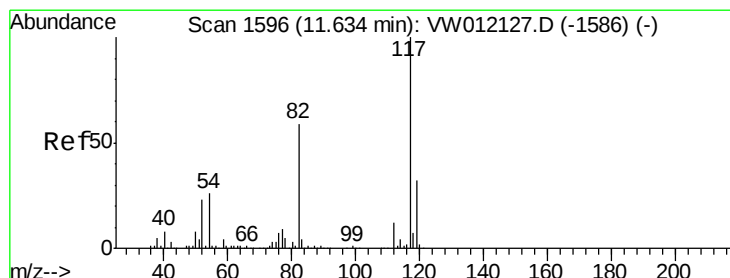
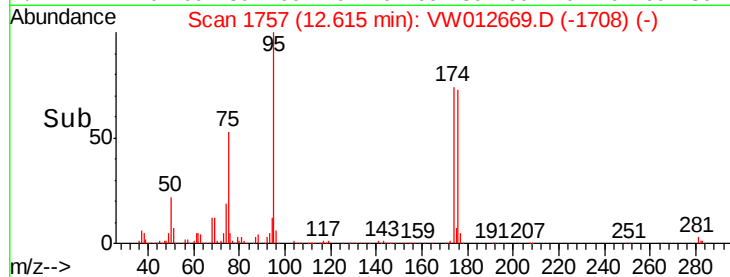
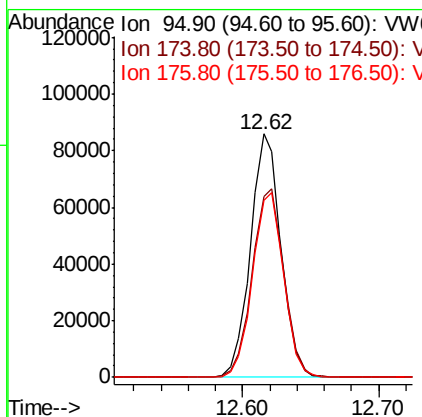
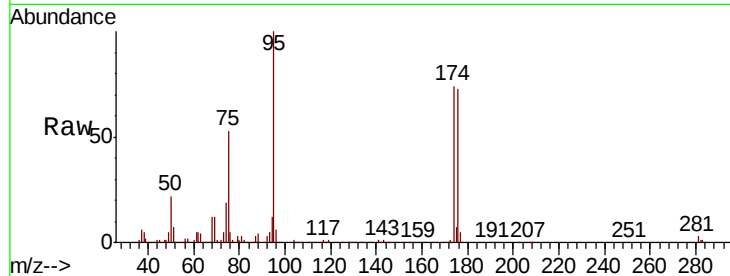




#62
4-Bromofluorobenzene
Concen: 43.527 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

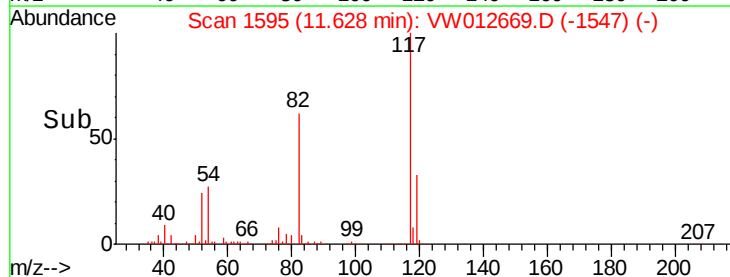
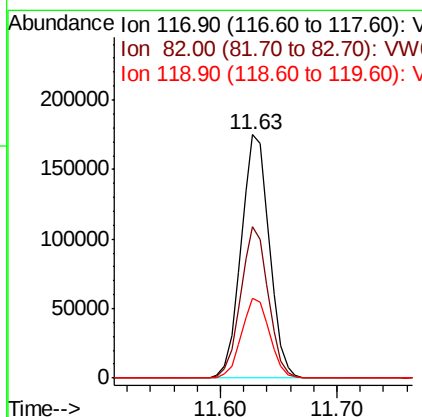
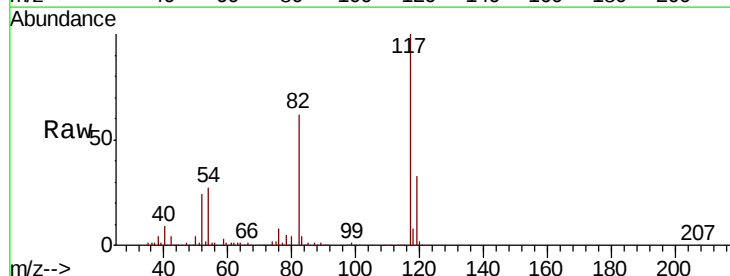
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B2-(3.5)

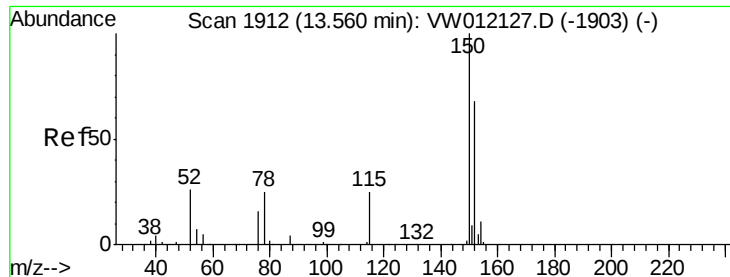
Tgt Ion: 95 Resp: 135194
Ion Ratio Lower Upper
95 100
174 80.7 0.0 150.8
176 77.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012669.D
Acq: 06 Sep 2019 04:22

Tgt Ion: 117 Resp: 296129
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 33.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(3.5)

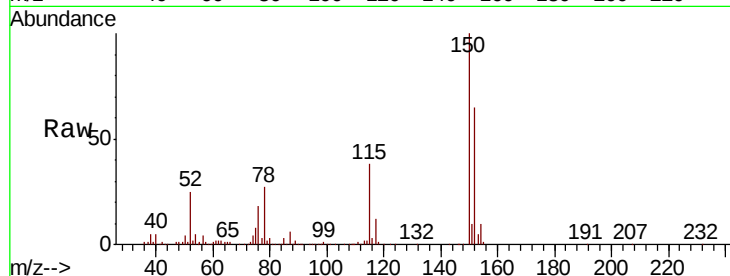
Tgt Ion: 152 Resp: 113839

Ion Ratio Lower Upper

152 100

115 59.6 30.1 90.3

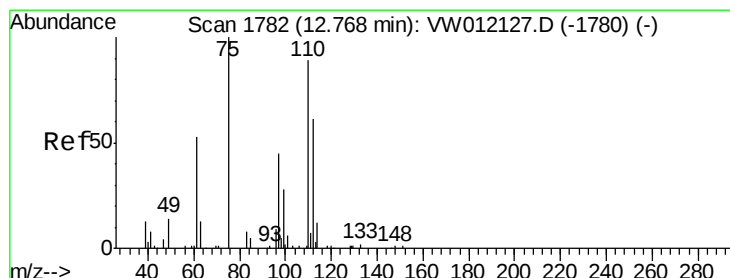
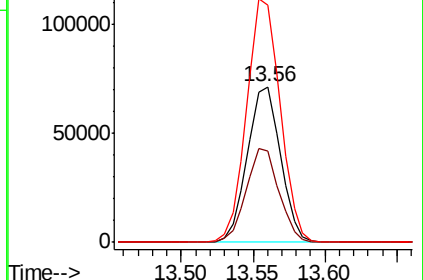
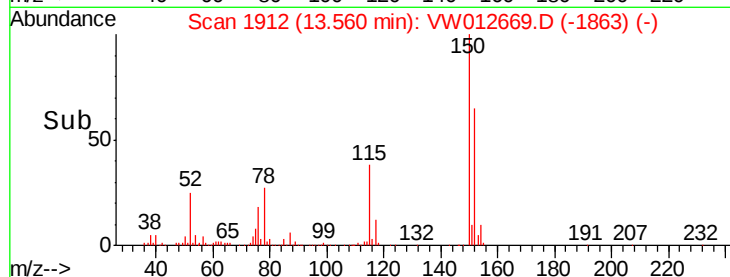
150 158.0 0.0 345.8



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: 67.062 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012669.D

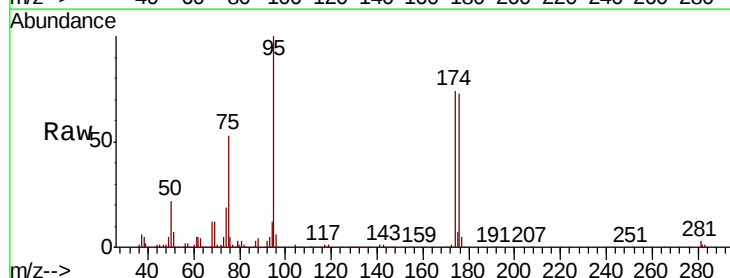
Acq: 06 Sep 2019 04:22

Tgt Ion: 75 Resp: 74352

Ion Ratio Lower Upper

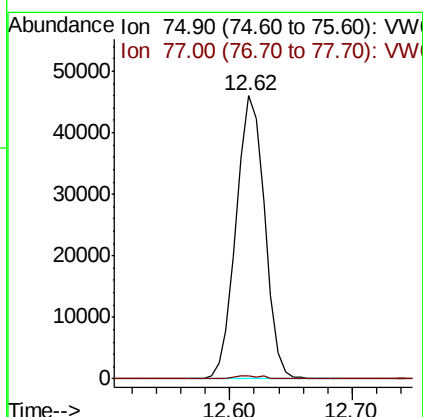
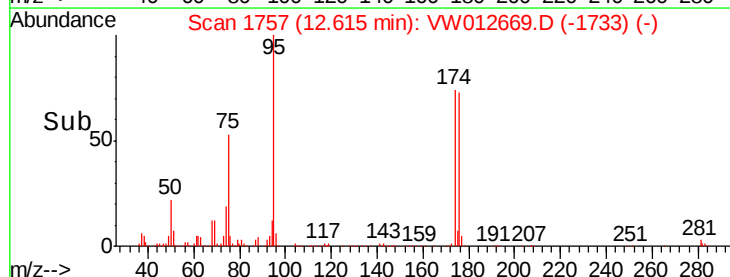
75 100

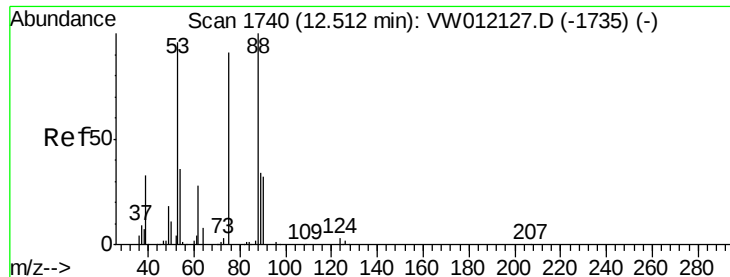
77 1.3 0.0 0.0#



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: 147.035 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B2-(3.5)

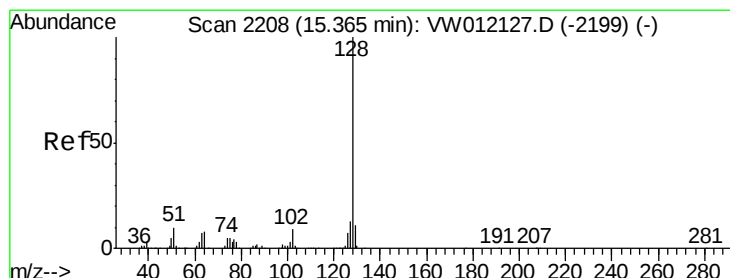
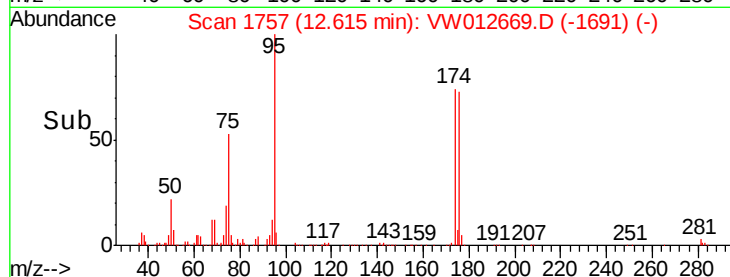
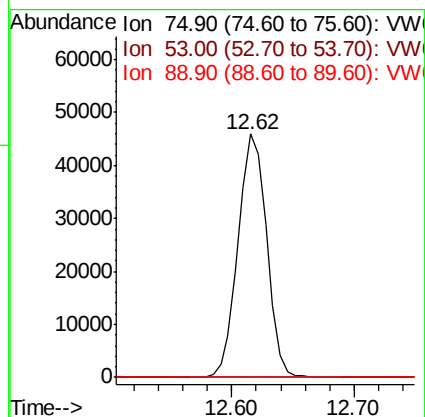
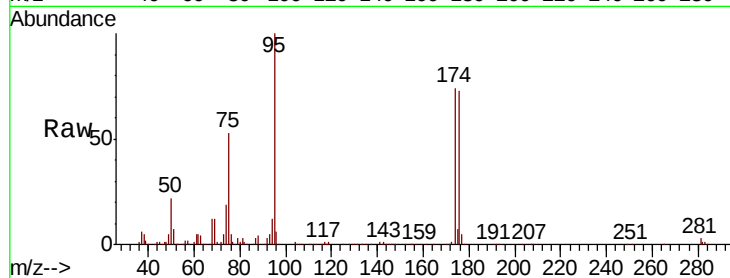
Tgt Ion: 75 Resp: 74352

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.414 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012669.D

Acq: 06 Sep 2019 04:22

Tgt Ion: 128 Resp: 437

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

