

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012668.D
 Acq On : 06 Sep 2019 03:56
 Operator : SY/VA
 Sample : K4579-13
 Misc : 2.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B1-(3.5)

Quant Time: Sep 06 07:59:01 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	249795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	331241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118692	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	162526	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.88	113	123508	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	486344	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	143862	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

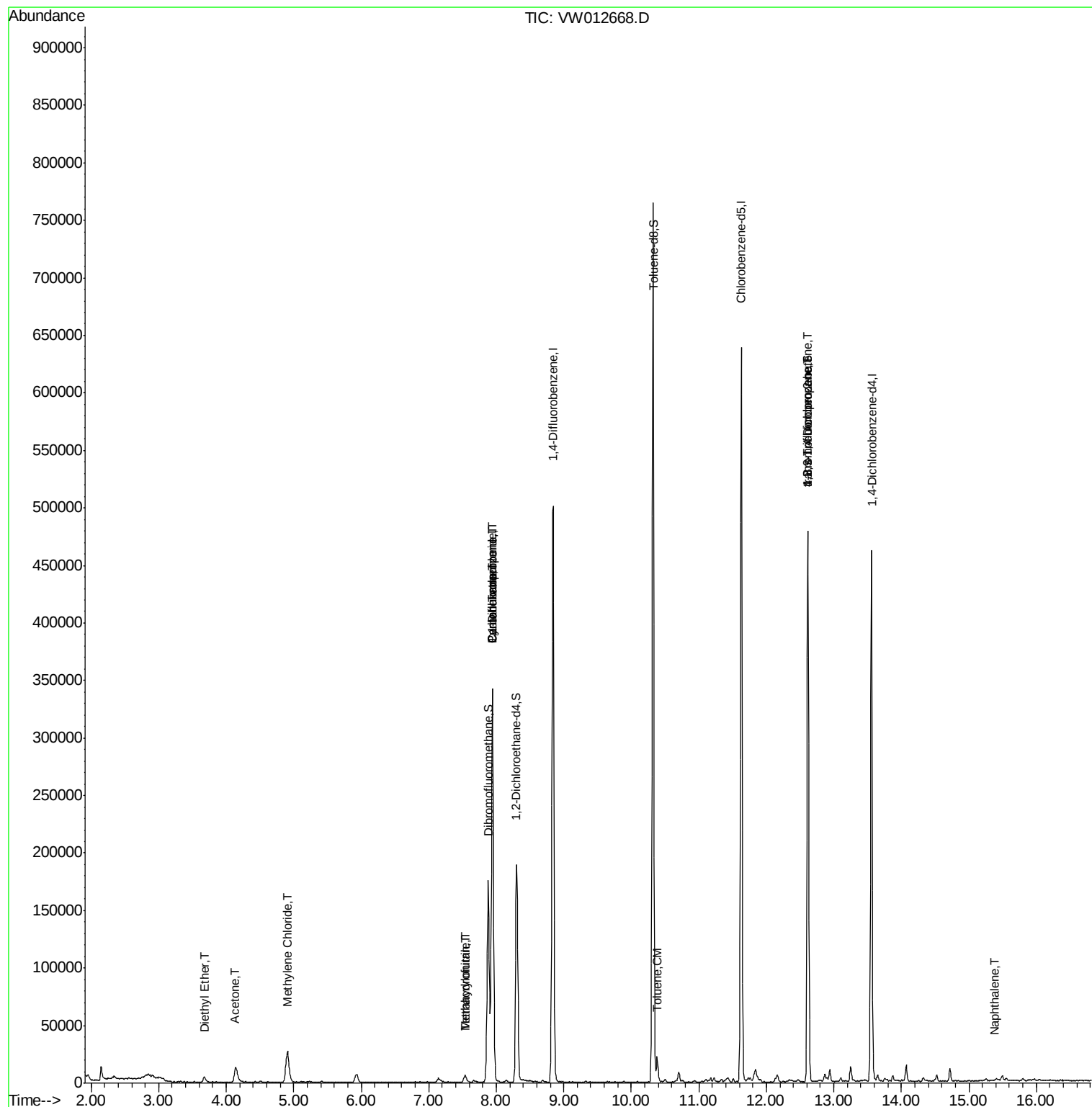
Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	2318	1.667	ug/l	90
16) Acetone	4.13	43	28540	37.599	ug/l	99
20) Methylene Chloride	4.91	84	19506	6.798	ug/l	99
29) Tetrahydrofuran	7.54	42	5536	8.946	ug/l	91
31) Cyclohexane	7.94	56	6283	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21028	5.098	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25039	7.013	ug/l #	16
41) Methacrylonitrile	7.54	41	3399	2.559	ug/l #	58
52) Toluene	10.39	92	8627	1.275	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	81019	70.087	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81019	153.669	ug/l #	6
95) Naphthalene	15.38	128	225	4.367	ug/l #	69

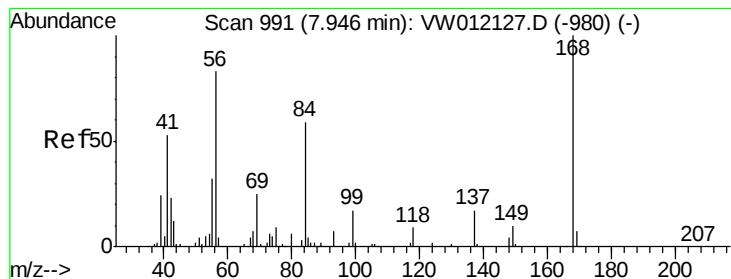
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

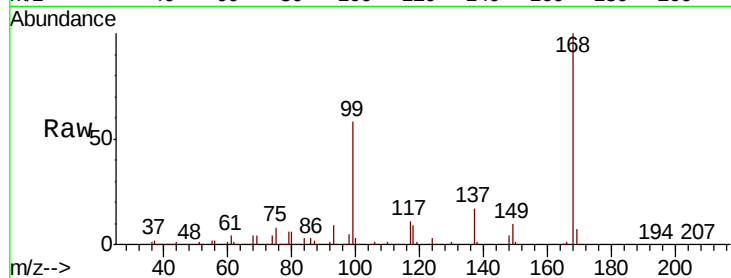
PAR-12-B1-(3.5)

Tgt Ion:168 Resp: 249795

Ion Ratio Lower Upper

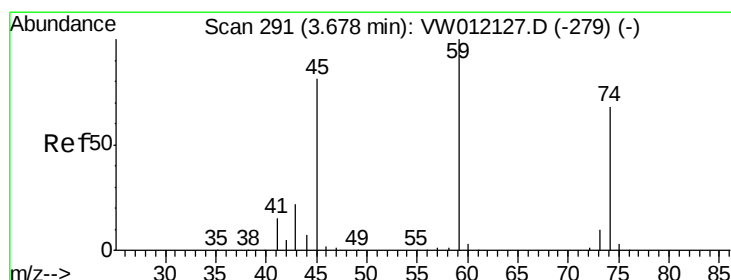
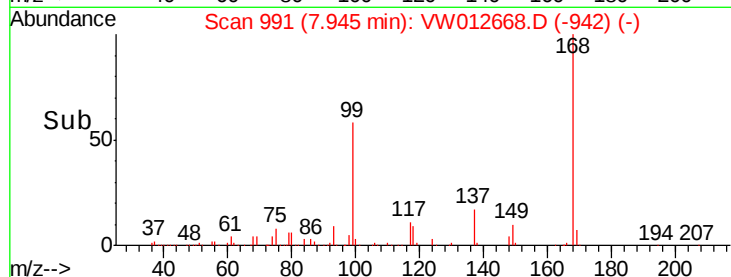
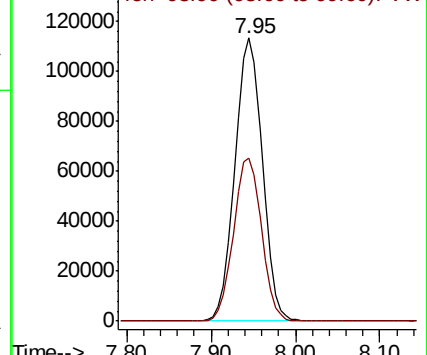
168 100

99 57.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.667 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012668.D

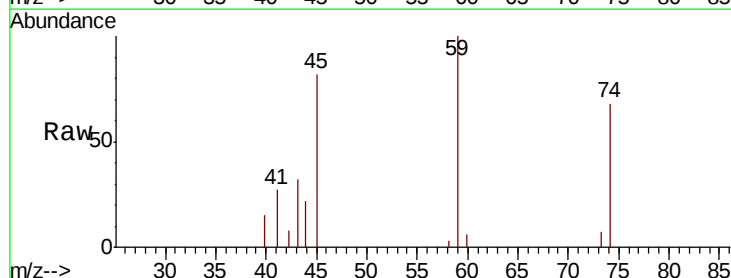
Acq: 06 Sep 2019 03:56

Tgt Ion: 74 Resp: 2318

Ion Ratio Lower Upper

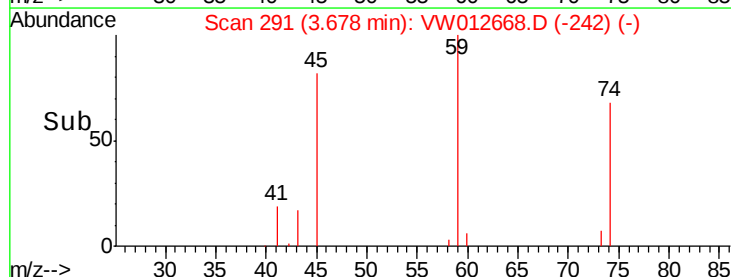
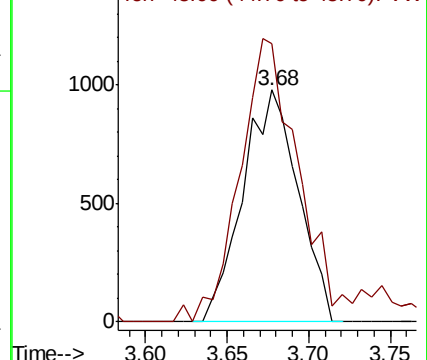
74 100

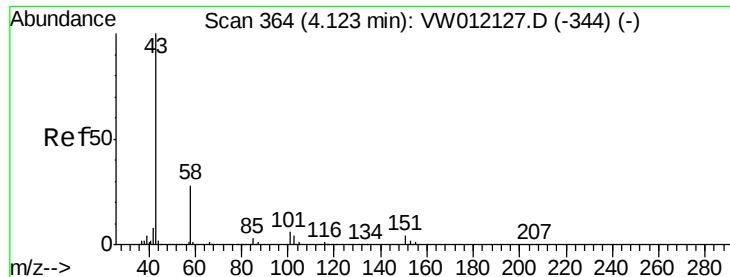
45 129.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 37.599 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

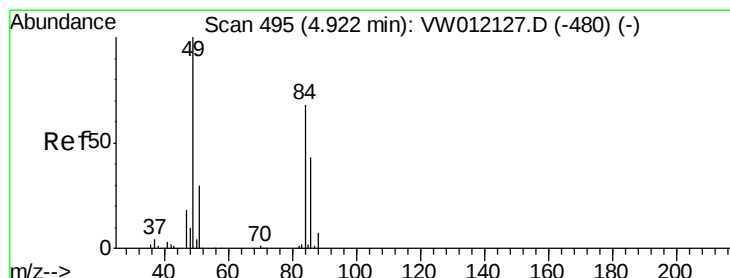
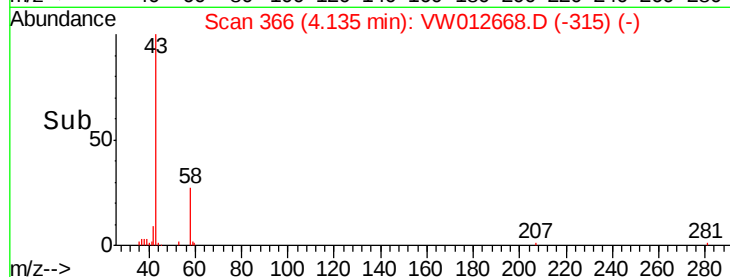
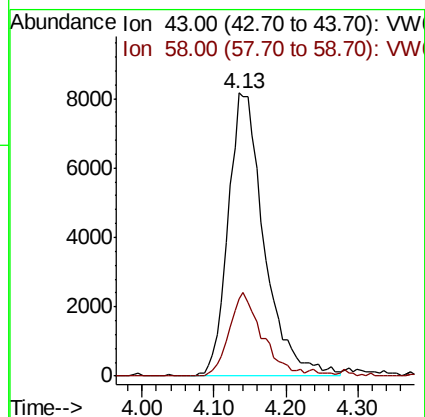
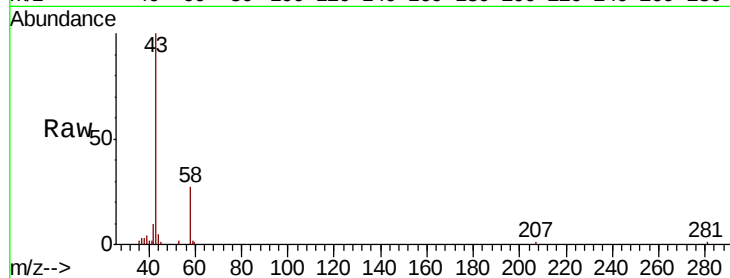
PAR-12-B1-(3.5)

Tgt Ion: 43 Resp: 28540

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6



#20

Methylene Chloride

Concen: 6.798 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Tgt Ion: 84 Resp: 19506

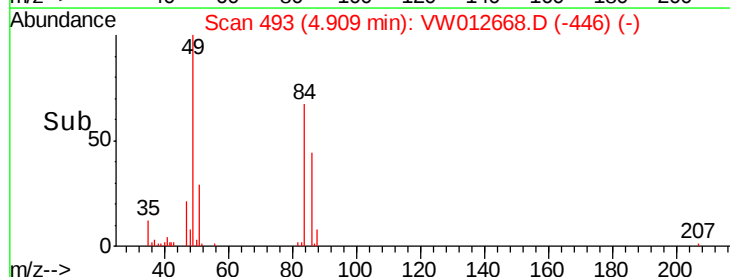
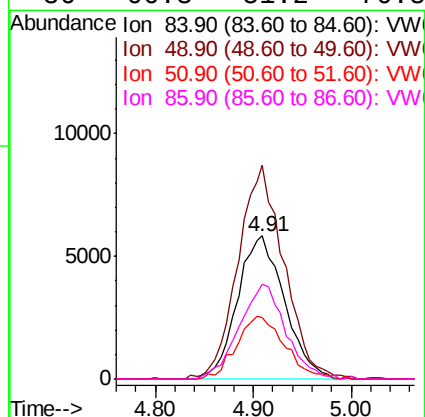
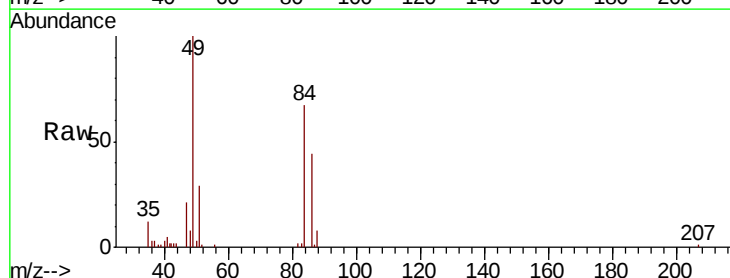
Ion Ratio Lower Upper

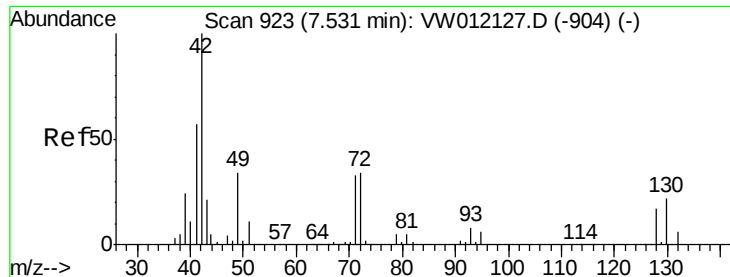
84 100

49 147.1 117.8 176.8

51 42.9 35.6 53.4

86 66.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 8.946 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(3.5)

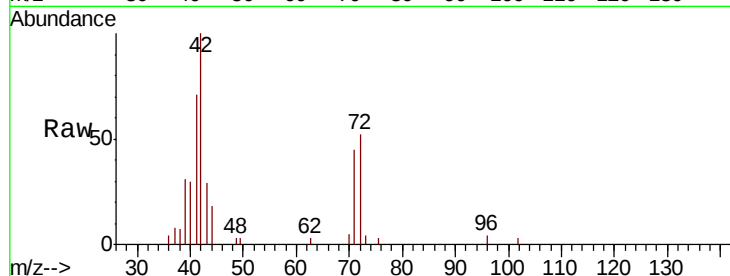
Tgt Ion: 42 Resp: 5536

Ion Ratio Lower Upper

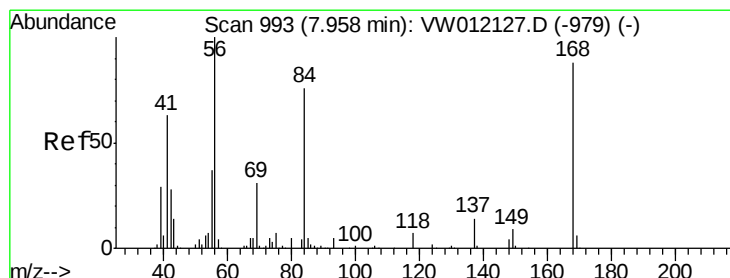
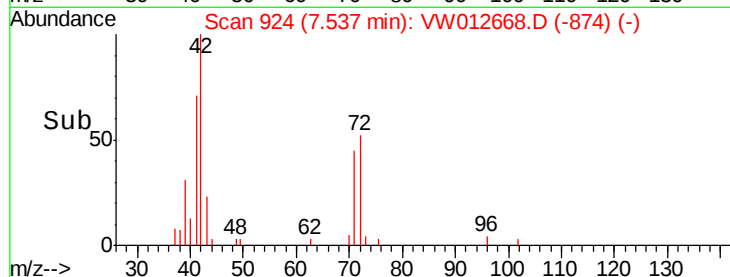
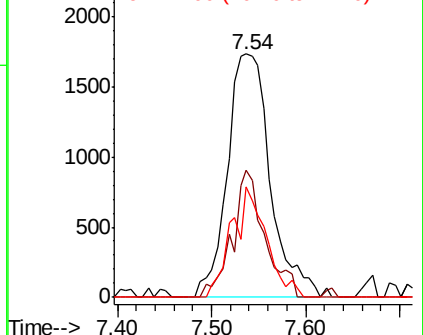
42 100

72 39.2 27.3 40.9

71 36.7 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: 1.175 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

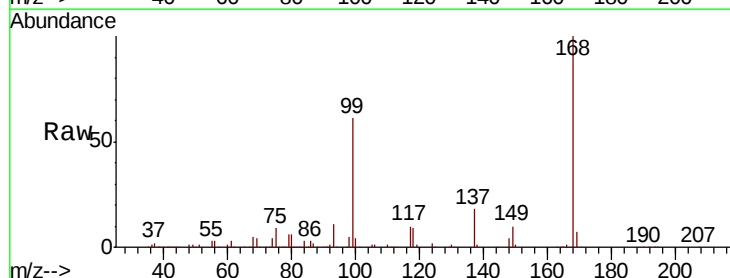
Tgt Ion: 56 Resp: 6283

Ion Ratio Lower Upper

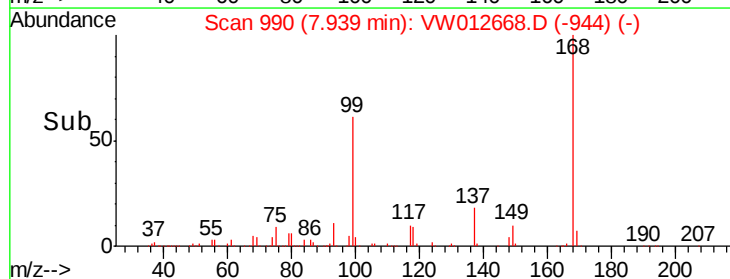
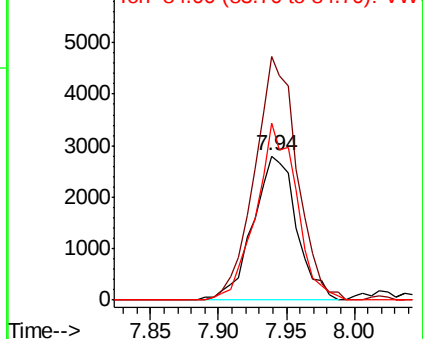
56 100

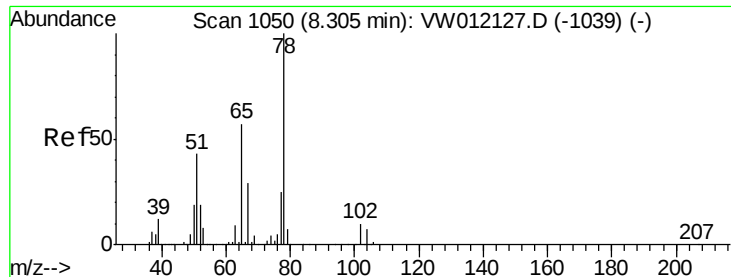
69 169.1 24.9 37.3#

84 123.0 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: 54.733 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

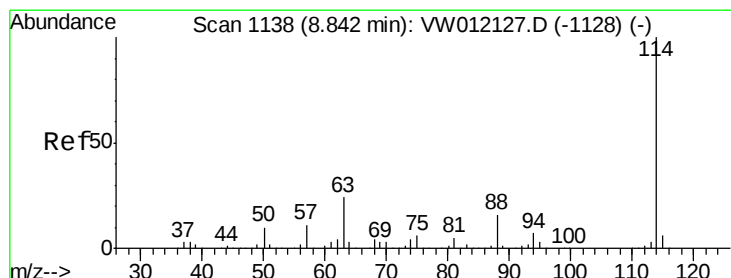
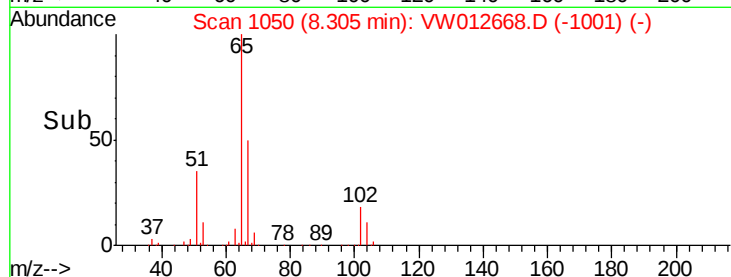
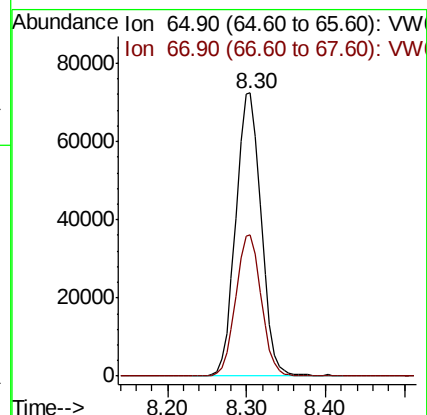
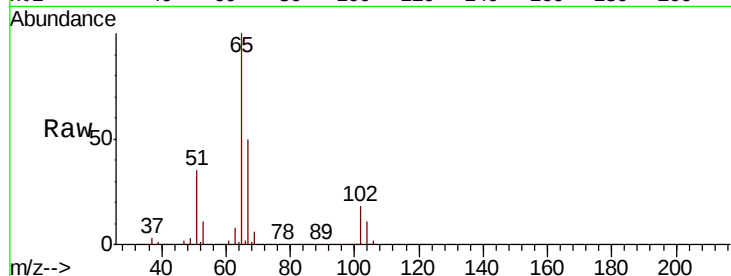
PAR-12-B1-(3.5)

Tgt Ion: 65 Resp: 162526

Ion Ratio Lower Upper

65 100

67 50.1 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: VW012668.D

Acq: 06 Sep 2019 03:56

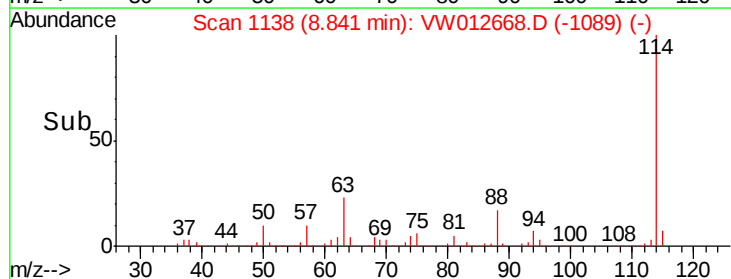
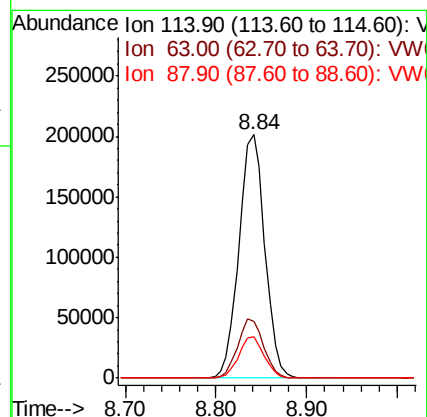
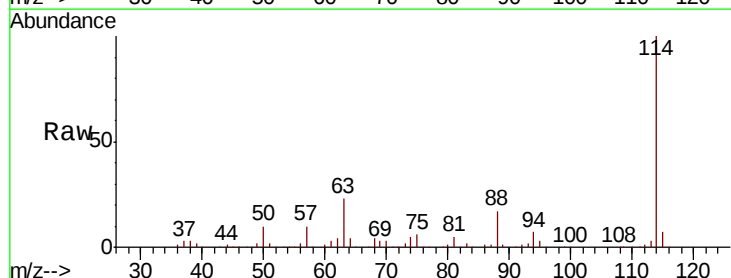
Tgt Ion: 114 Resp: 399160

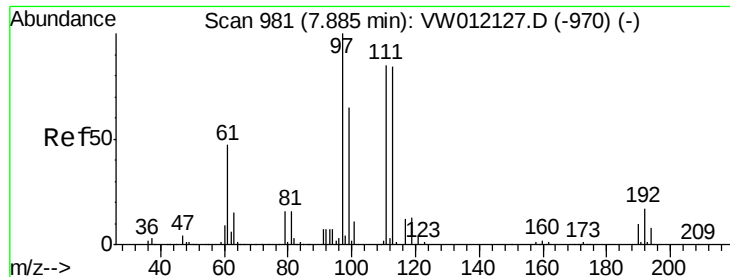
Ion Ratio Lower Upper

114 100

63 23.4 0.0 48.6

88 17.2 0.0 32.2

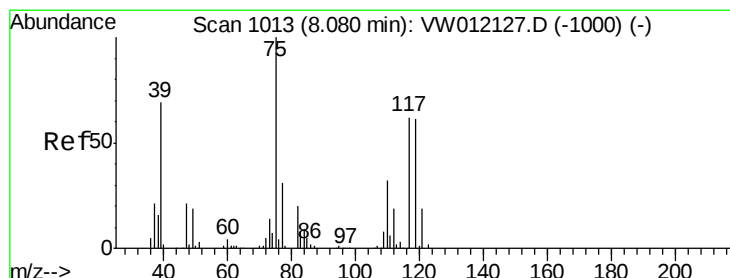
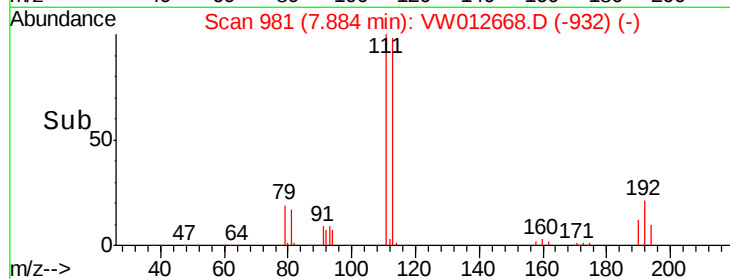
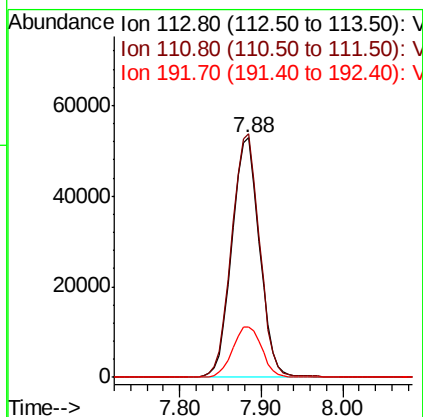
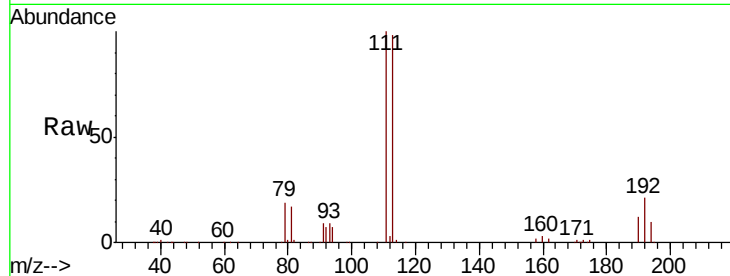




#35
 Dibromofluoromethane
 Concen: 51.837 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012668.D
 Acq: 06 Sep 2019 03:56

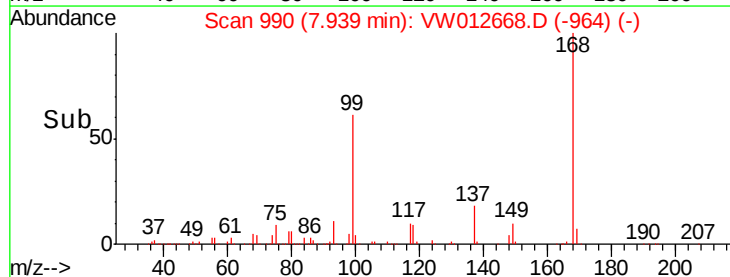
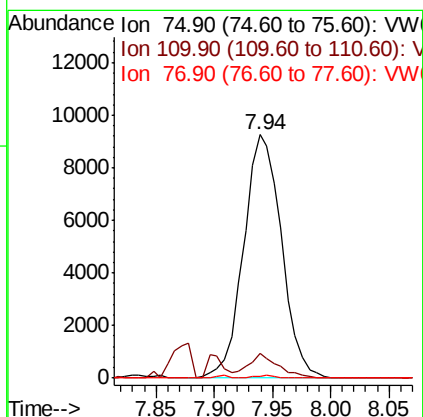
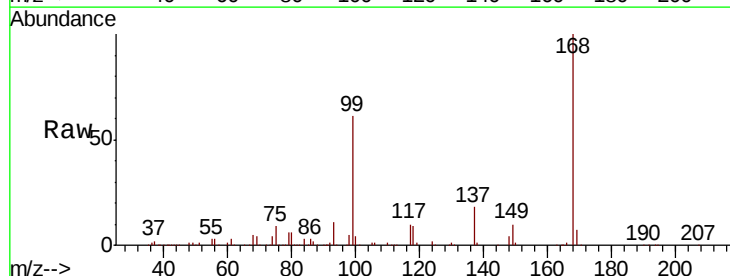
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B1-(3.5)

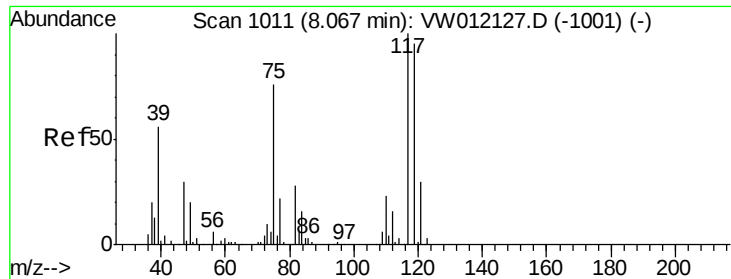
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	22.1	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.098 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012668.D
 Acq: 06 Sep 2019 03:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.5	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 7.013 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(3.5)

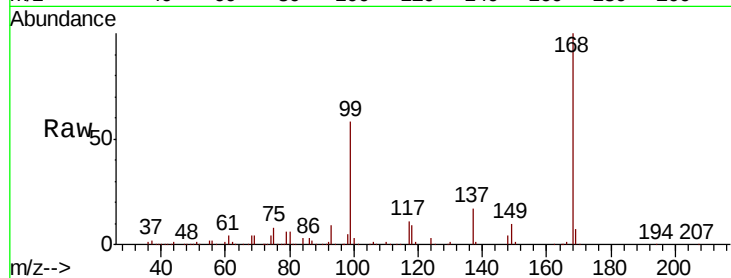
Tgt Ion: 117 Resp: 25039

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

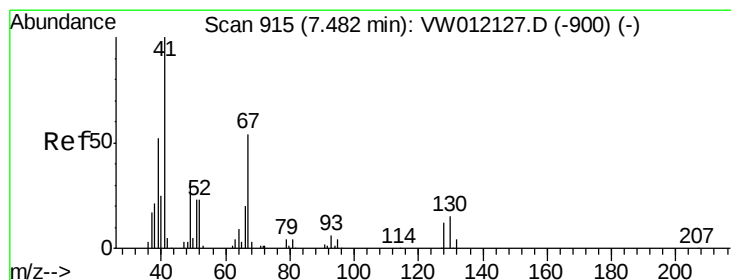
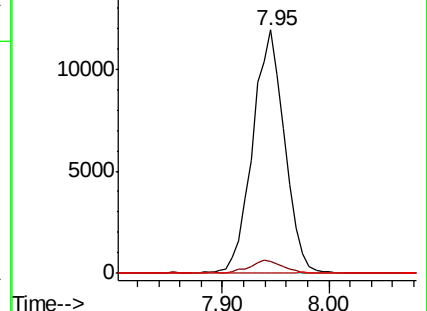
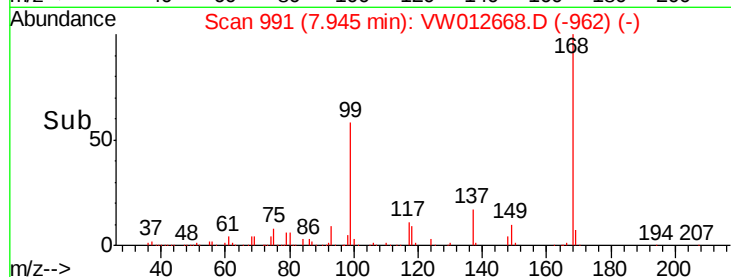
121 0.0 23.8 35.8#



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: 2.559 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Tgt Ion: 41 Resp: 3399

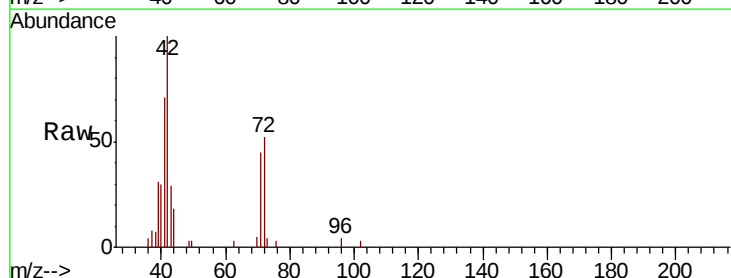
Ion Ratio Lower Upper

41 100

39 59.3 45.8 68.8

67 1.1 46.2 69.4#

52 0.0 21.0 31.6#

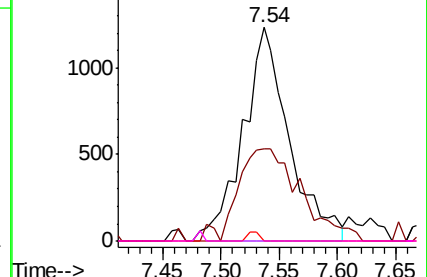
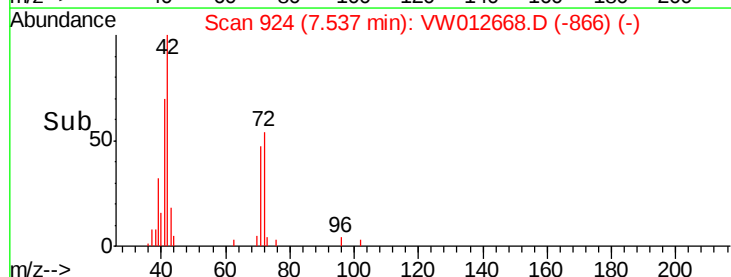


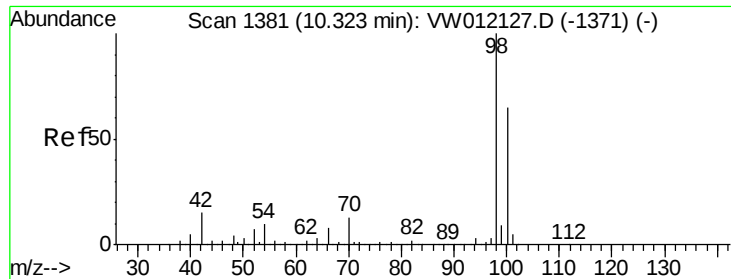
Abundance Ion 41.00 (40.70 to 41.70): VW

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

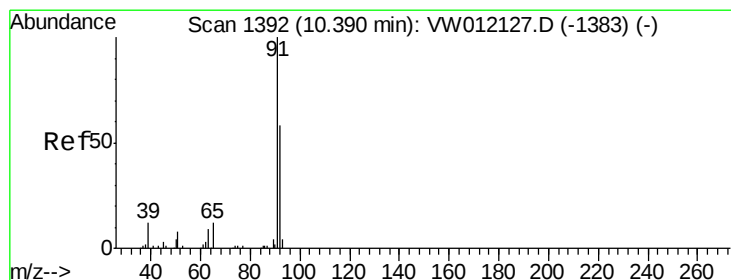
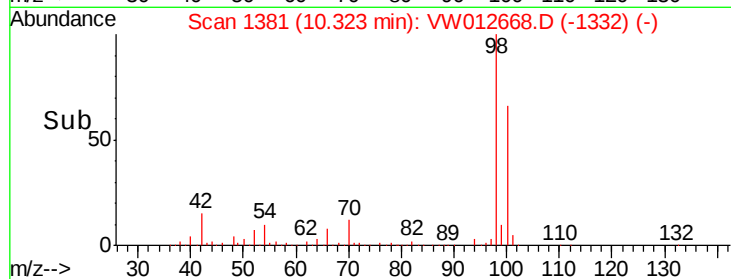
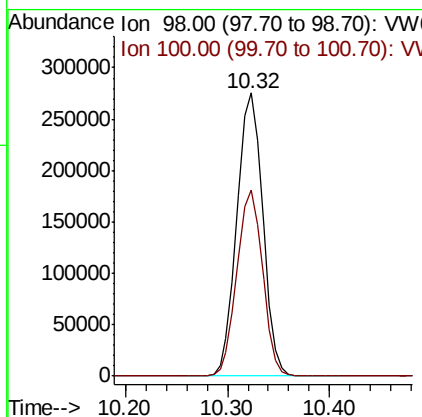
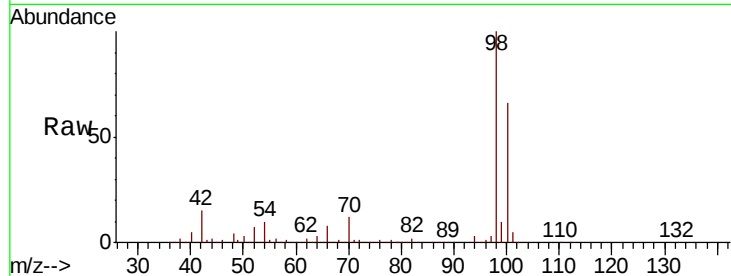




#50
Toluene-d8
Concen: 50.342 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012668.D
Acq: 06 Sep 2019 03:56

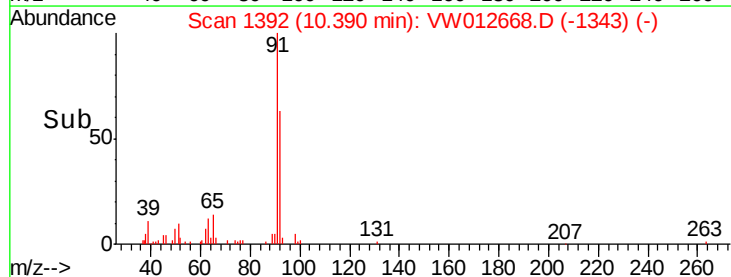
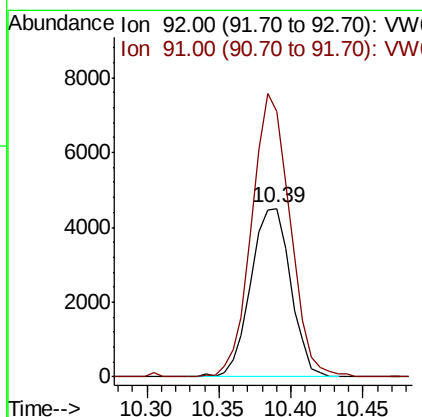
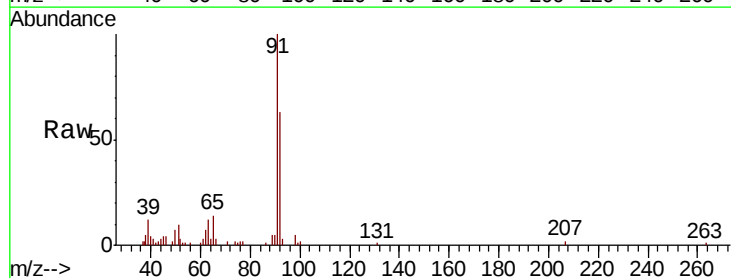
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B1-(3.5)

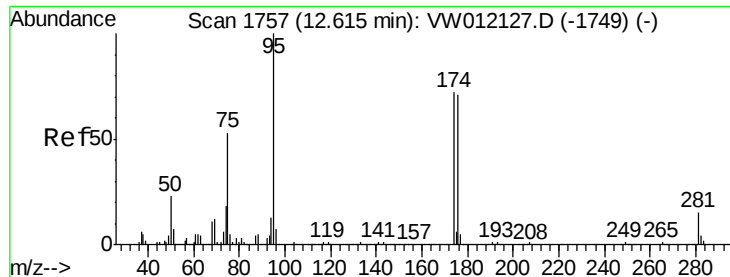
Tgt Ion: 98 Resp: 486344
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#52
Toluene
Concen: 1.275 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW012668.D
Acq: 06 Sep 2019 03:56

Tgt Ion: 92 Resp: 8627
Ion Ratio Lower Upper
92 100
91 161.8 136.6 204.8

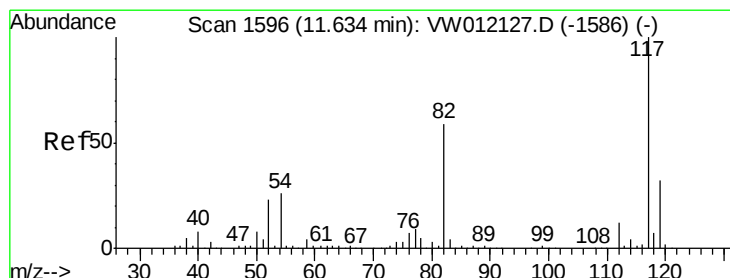
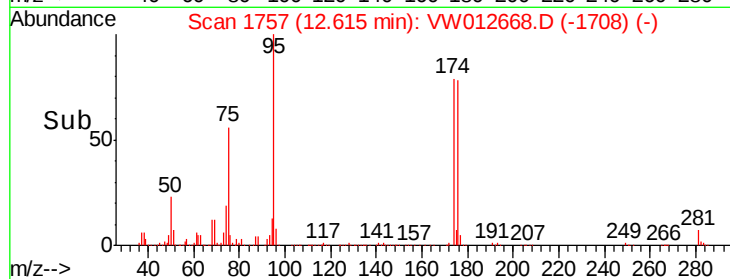
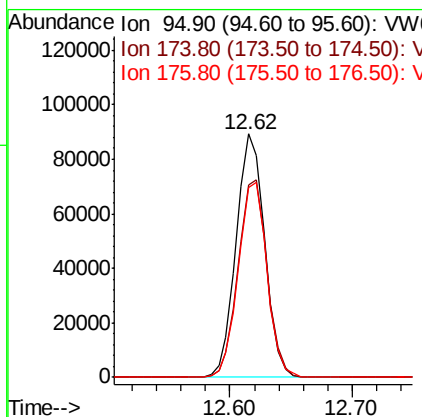
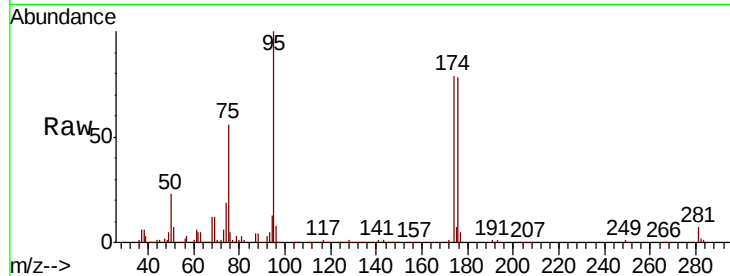




#62
4-Bromofluorobenzene
Concen: 42.245 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012668.D
Acq: 06 Sep 2019 03:56

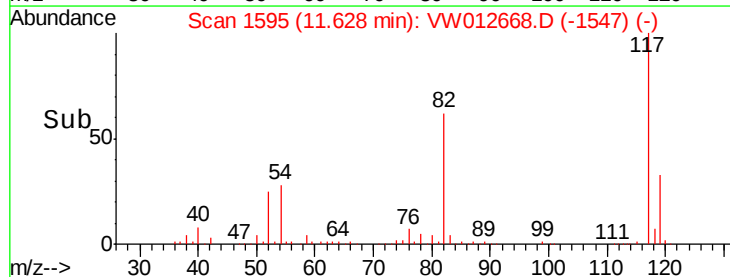
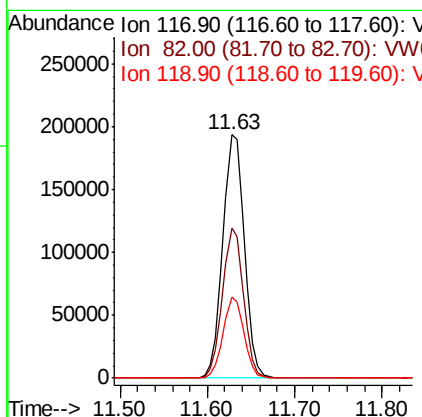
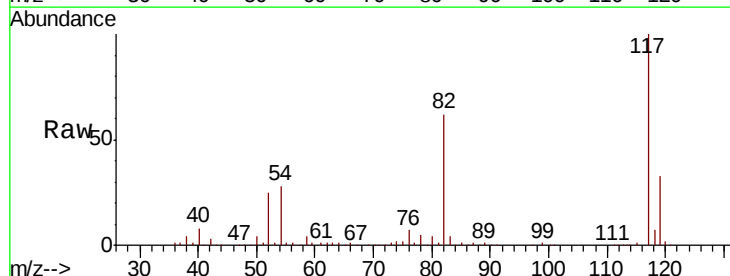
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B1-(3.5)

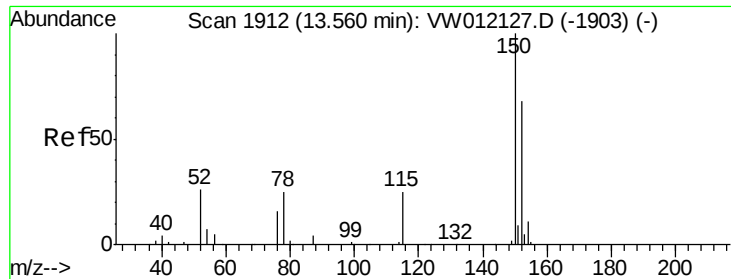
Tgt Ion: 95 Resp: 143862
Ion Ratio Lower Upper
95 100
174 82.5 0.0 150.8
176 80.9 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012668.D
Acq: 06 Sep 2019 03:56

Tgt Ion: 117 Resp: 331241
Ion Ratio Lower Upper
117 100
82 61.8 47.4 71.2
119 33.1 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: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(3.5)

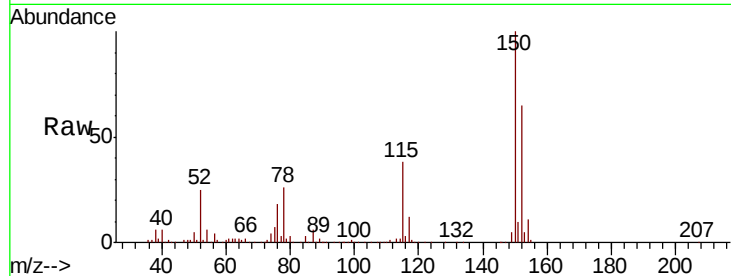
Tgt Ion:152 Resp: 118692

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.3

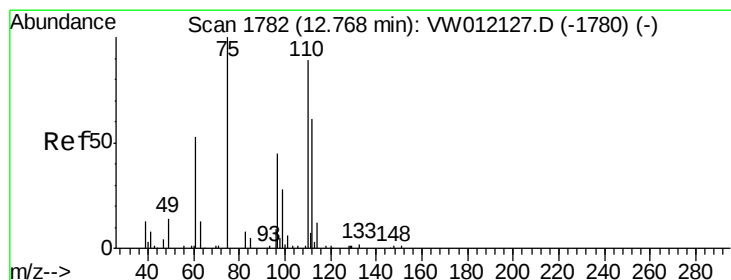
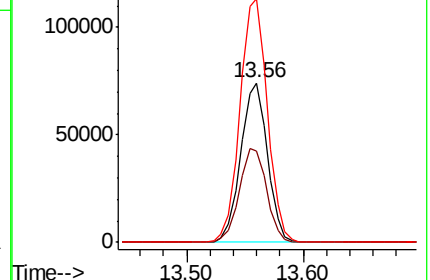
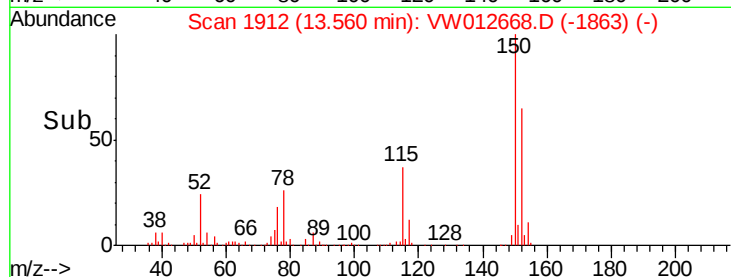
150 156.2 0.0 345.8



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: 70.087 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012668.D

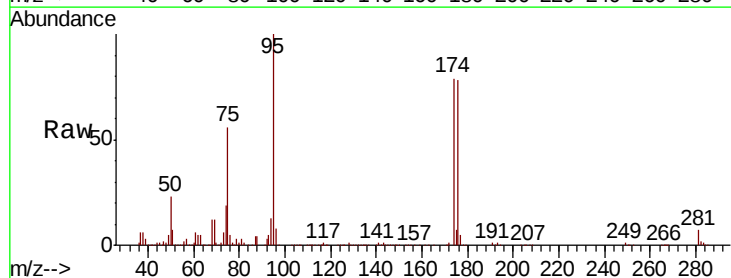
Acq: 06 Sep 2019 03:56

Tgt Ion: 75 Resp: 81019

Ion Ratio Lower Upper

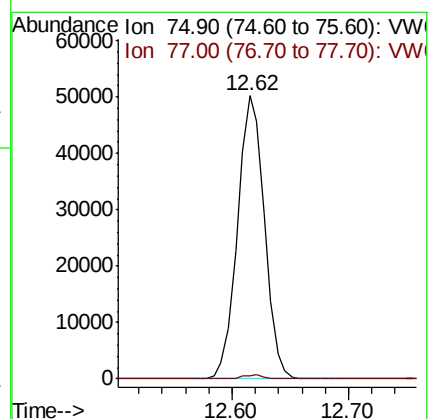
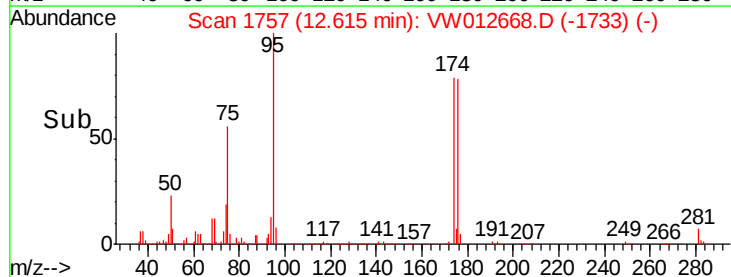
75 100

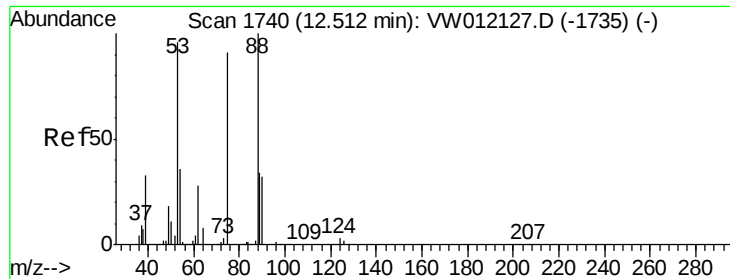
77 1.2 0.0 0.0#



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: 153.669 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(3.5)

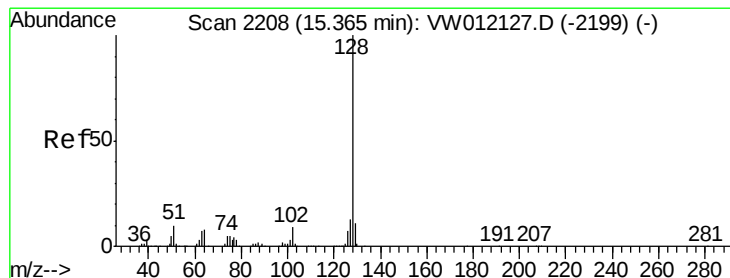
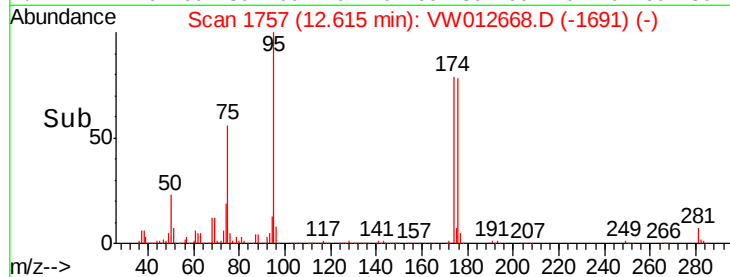
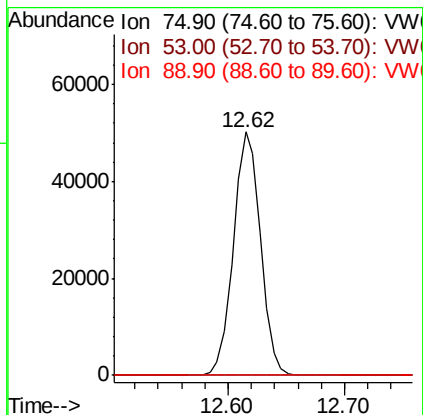
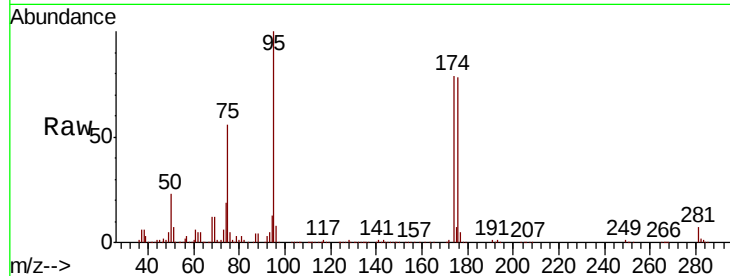
Tgt Ion: 75 Resp: 81019

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.367 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012668.D

Acq: 06 Sep 2019 03:56

Tgt Ion: 128 Resp: 225

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

