

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012653.D
 Acq On : 05 Sep 2019 20:36
 Operator : SY/VA
 Sample : K4579-04
 Misc : 4.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A4-(0)

Quant Time: Sep 06 07:55:26 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	257781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	341338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	132271	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	161503	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
35) Dibromofluoromethane	7.88	113	127166	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
50) Toluene-d8	10.32	98	501459	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	155267	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	

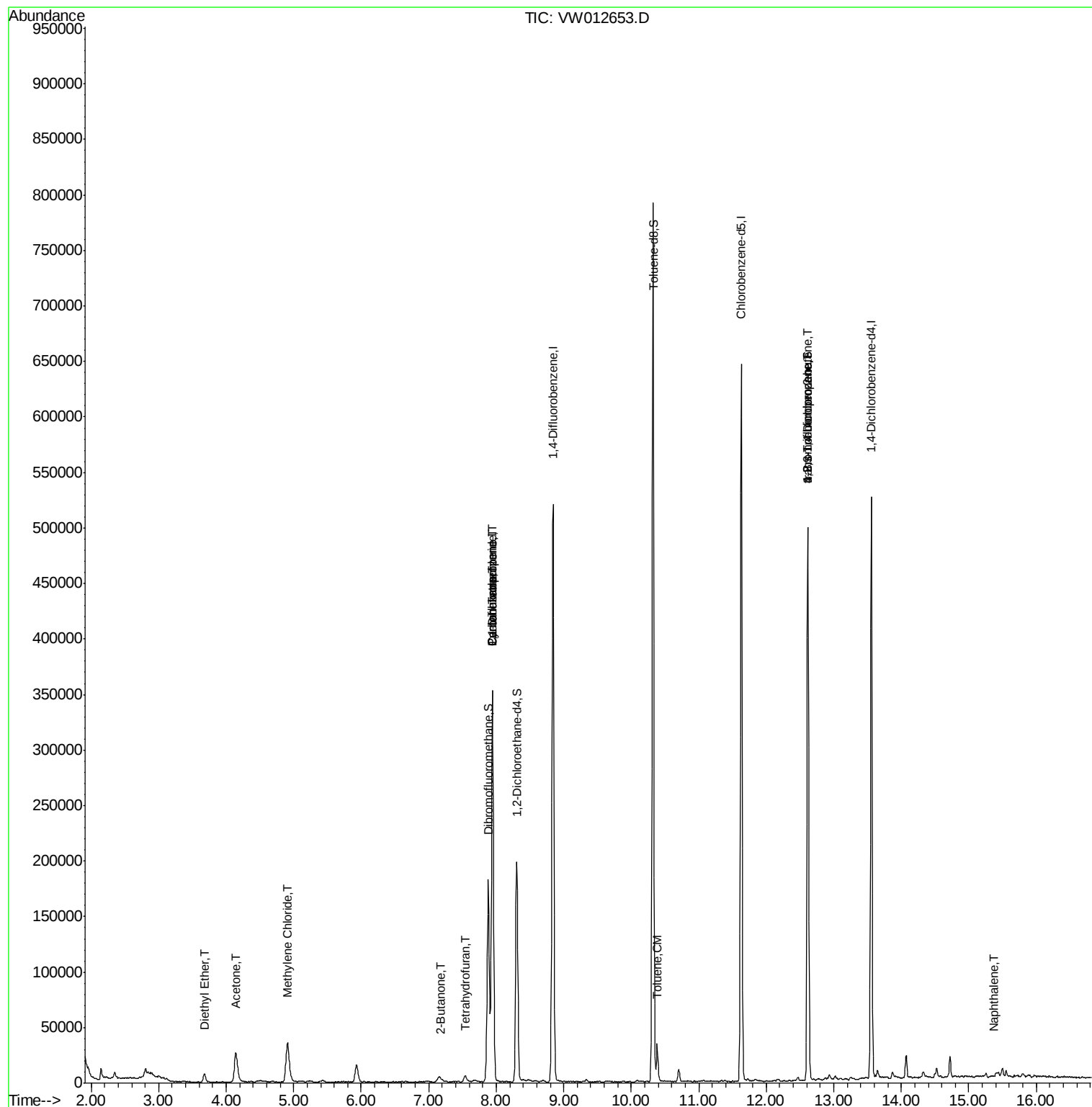
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	4011	2.796	ug/l	96
16) Acetone	4.15	43	59824	76.372	ug/l	94
20) Methylene Chloride	4.92	84	27312	9.223	ug/l	95
25) 2-Butanone	7.18	43	2859	2.686	ug/l	92
29) Tetrahydrofuran	7.54	42	5545	8.683	ug/l #	68
31) Cyclohexane	7.95	56	6435	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21757	5.066	ug/l #	44
38) Carbon Tetrachloride	7.94	117	25380	6.828	ug/l #	16
52) Toluene	10.38	92	13282	1.885	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	84487	65.584	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84487	143.795	ug/l #	6
95) Naphthalene	15.36	128	601	4.431	ug/l #	90

(#) = 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

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Acq: 05 Sep 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

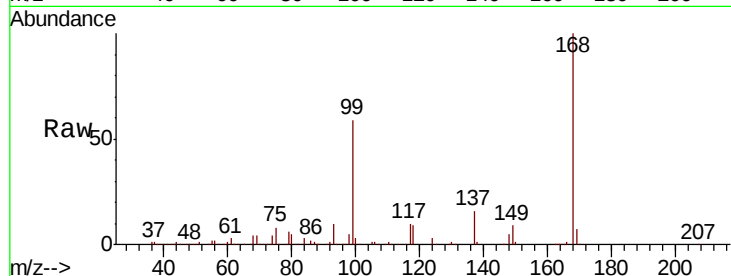
PAR-12-A4-(0)

Tgt Ion:168 Resp: 257781

Ion Ratio Lower Upper

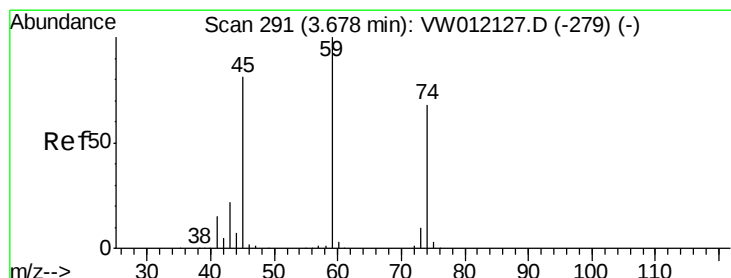
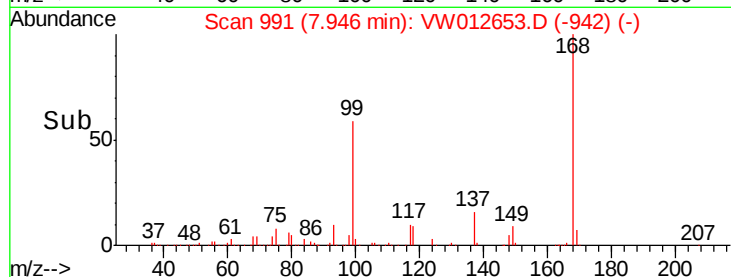
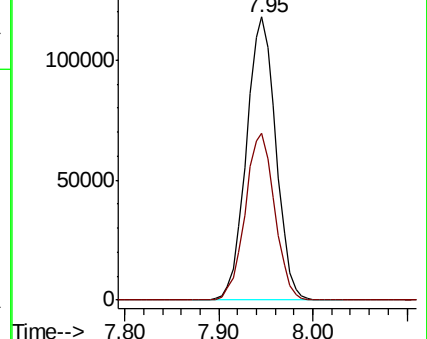
168 100

99 58.9 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: 2.796 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012653.D

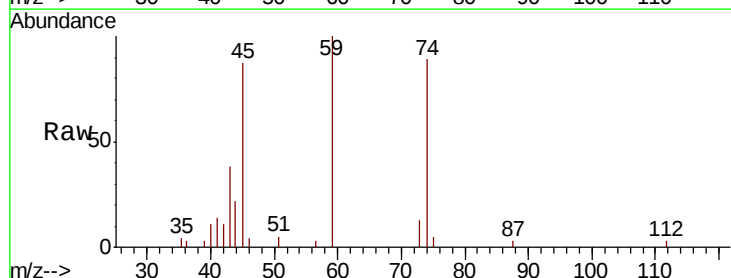
Acq: 05 Sep 2019 20:36

Tgt Ion: 74 Resp: 4011

Ion Ratio Lower Upper

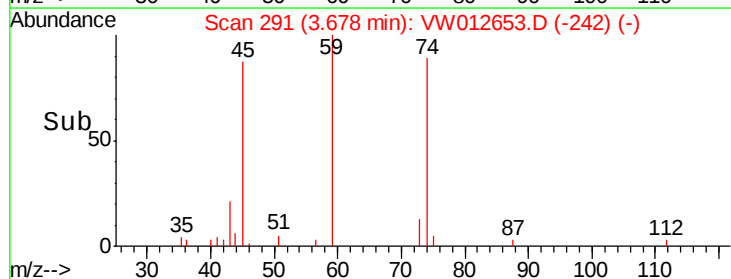
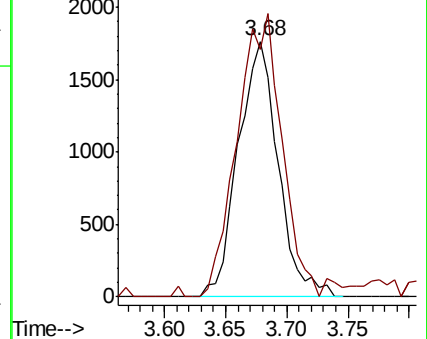
74 100

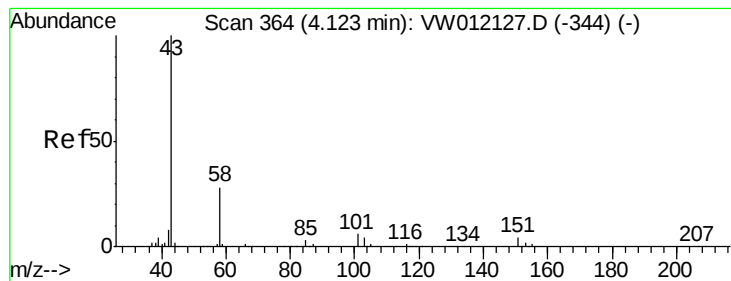
45 123.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 76.372 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012653.D

Acq: 05 Sep 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

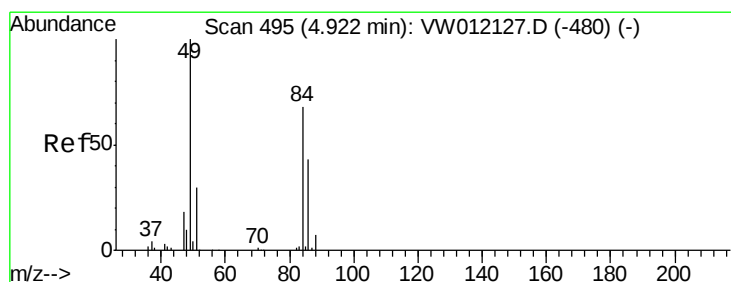
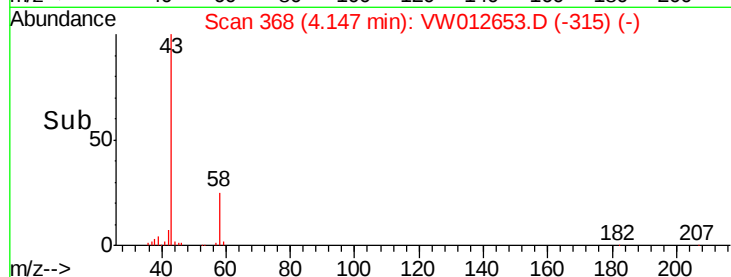
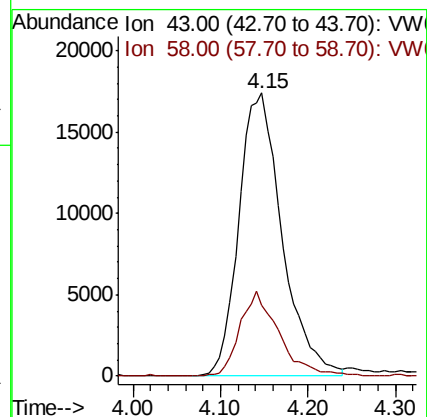
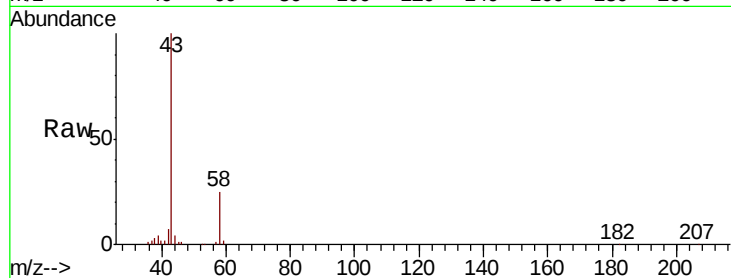
PAR-12-A4-(0)

Tgt Ion: 43 Resp: 59824

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6



#20

Methylene Chloride

Concen: 9.223 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012653.D

Acq: 05 Sep 2019 20:36

Tgt Ion: 84 Resp: 27312

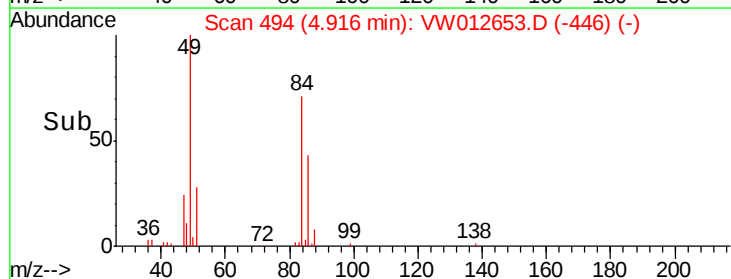
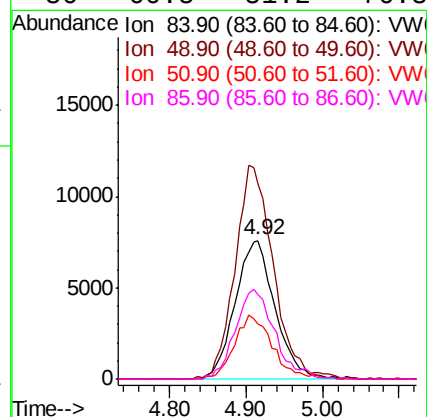
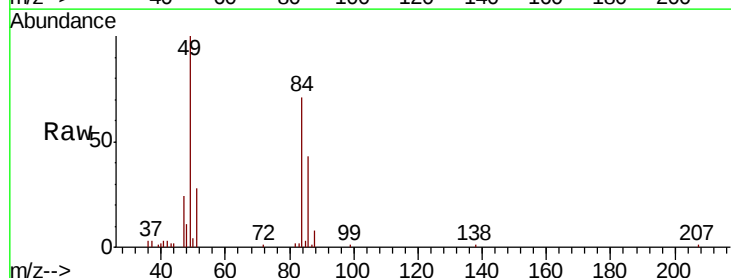
Ion Ratio Lower Upper

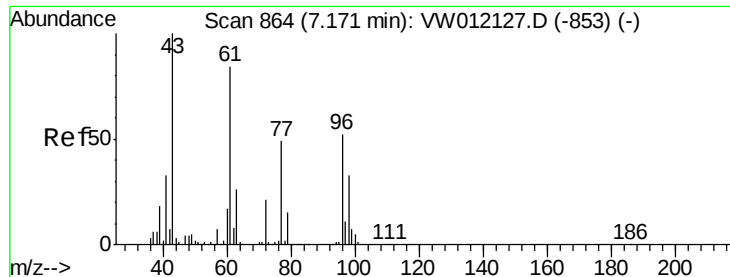
84 100

49 141.2 117.8 176.8

51 39.8 35.6 53.4

86 60.5 51.2 76.8

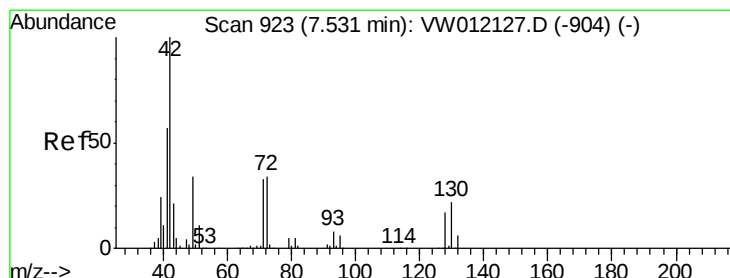
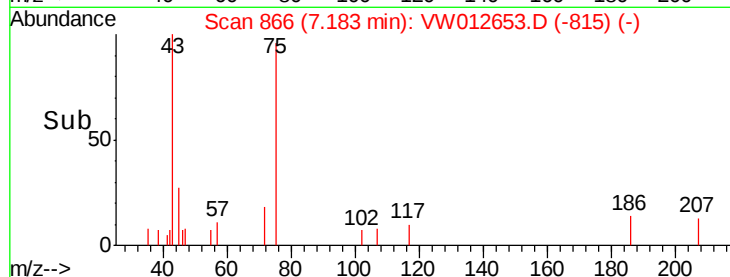
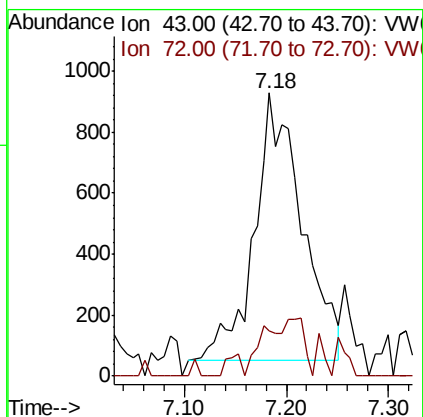
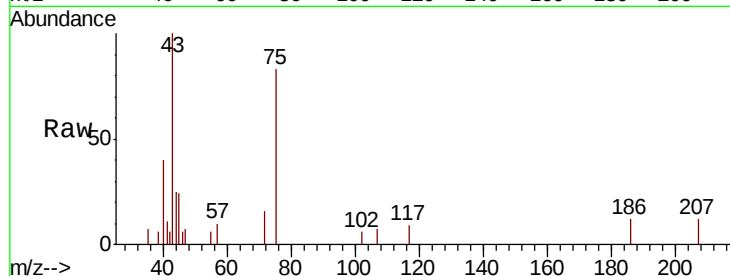




#25
 2-Butanone
 Concen: 2.686 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

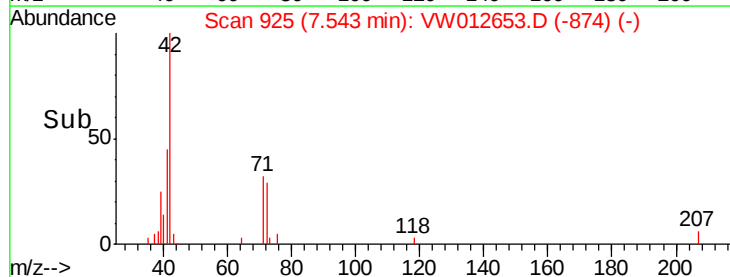
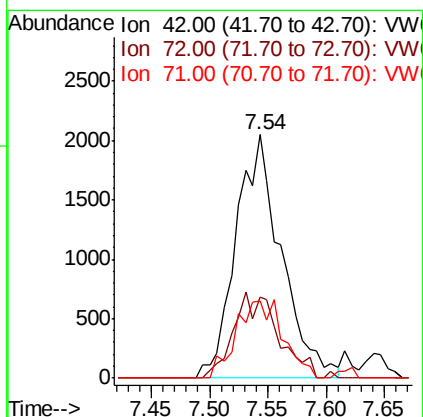
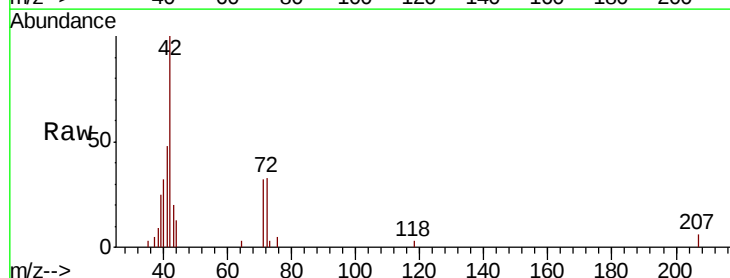
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A4-(0)

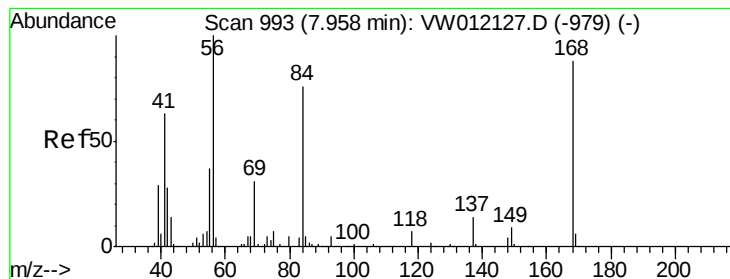
Tgt Ion: 43 Resp: 2859
 Ion Ratio Lower Upper
 43 100
 72 16.8 16.6 24.8



#29
 Tetrahydrofuran
 Concen: 8.683 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

Tgt Ion: 42 Resp: 5545
 Ion Ratio Lower Upper
 42 100
 72 0.0 27.3 40.9#
 71 33.0 25.5 38.3





#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012653.D

Acq: 05 Sep 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A4-(0)

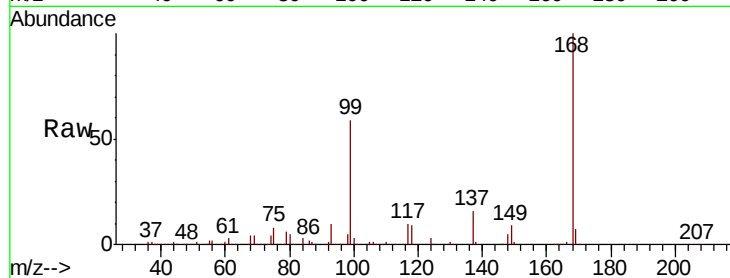
Tgt Ion: 56 Resp: 6435

Ion Ratio Lower Upper

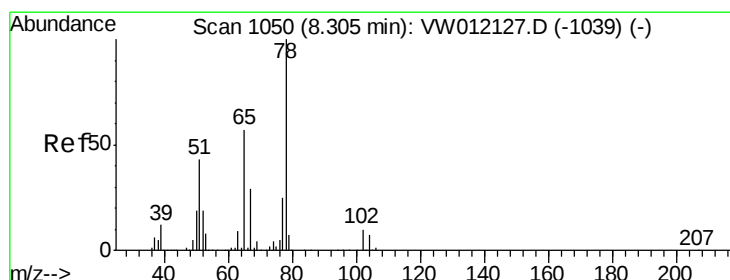
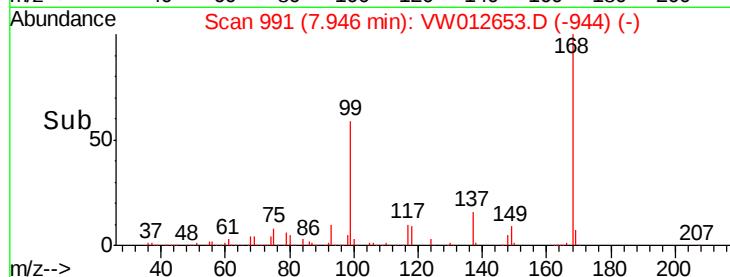
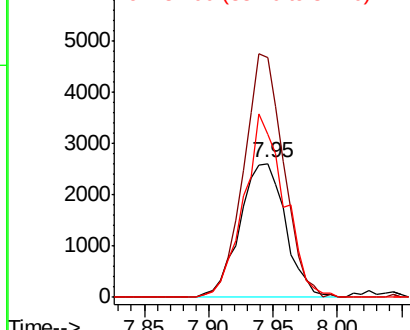
56 100

69 179.3 24.9 37.3#

84 121.3 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: 52.703 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012653.D

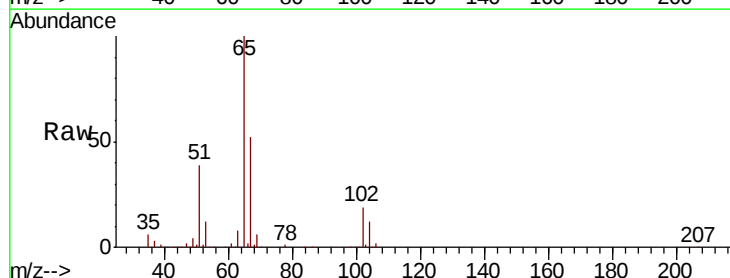
Acq: 05 Sep 2019 20:36

Tgt Ion: 65 Resp: 161503

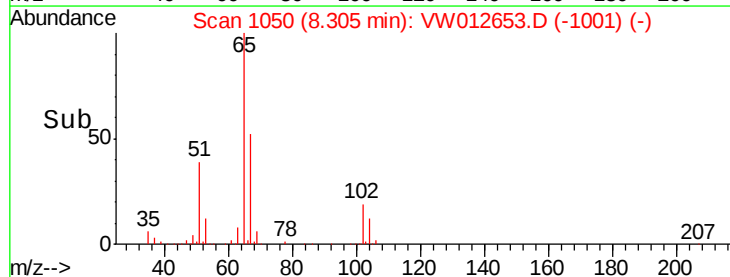
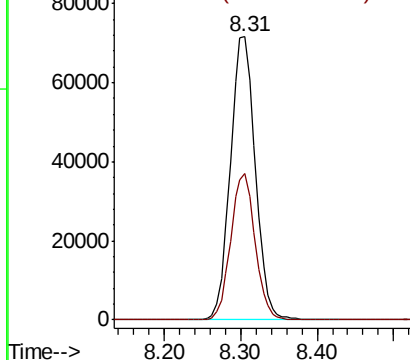
Ion Ratio Lower Upper

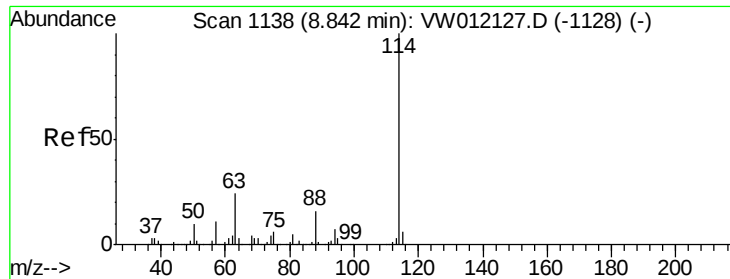
65 100

67 50.7 0.0 102.6



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: VW012653.D

Acq: 05 Sep 2019 20:36

Instrument :

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ClientSampleId :

PAR-12-A4-(0)

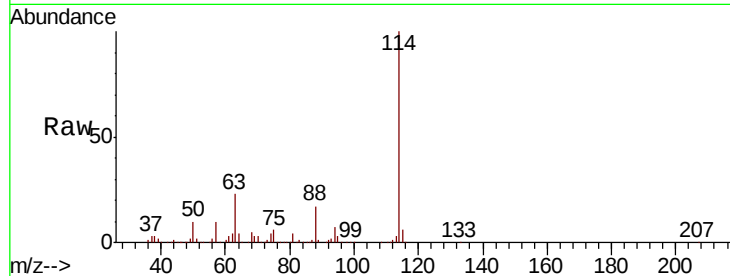
Tgt Ion:114 Resp: 415607

Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.6

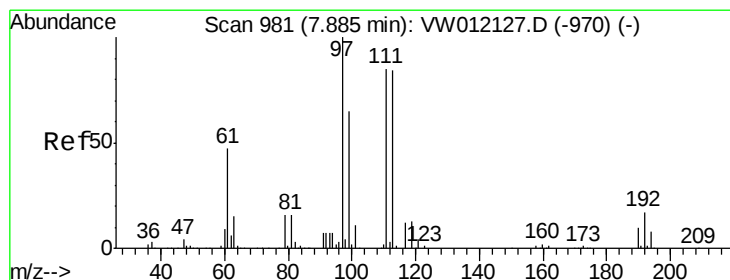
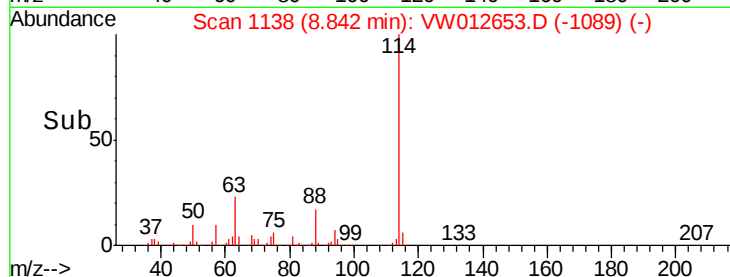
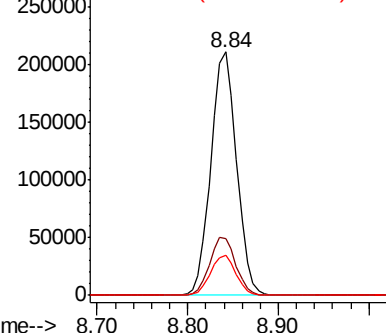
88 16.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.261 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012653.D

Acq: 05 Sep 2019 20:36

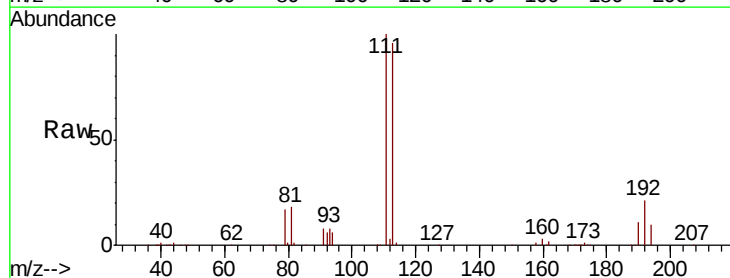
Tgt Ion:113 Resp: 127166

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

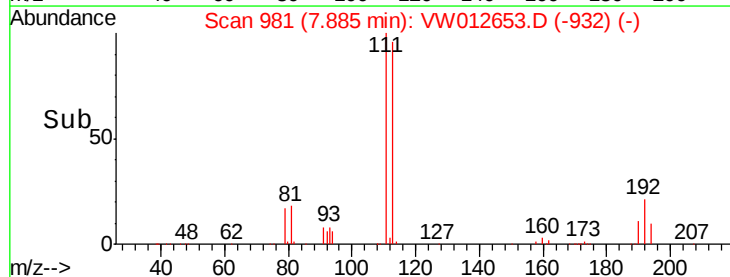
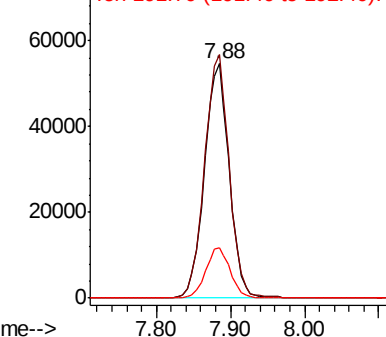
192 21.3 16.2 24.2

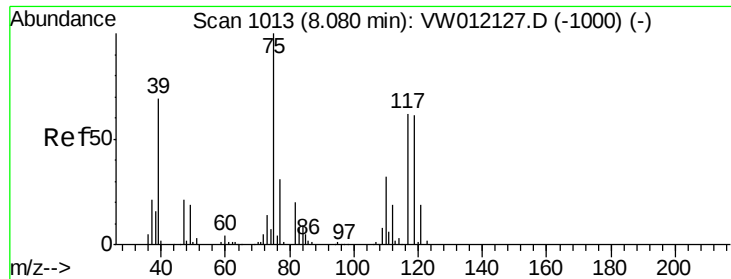


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

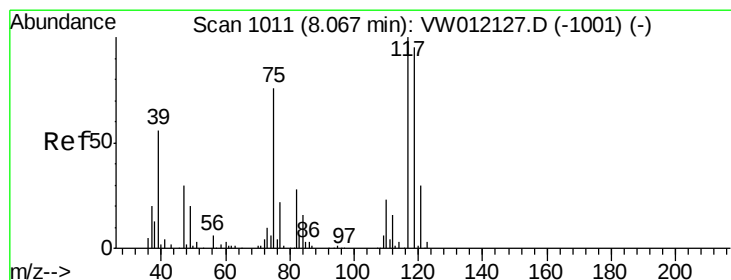
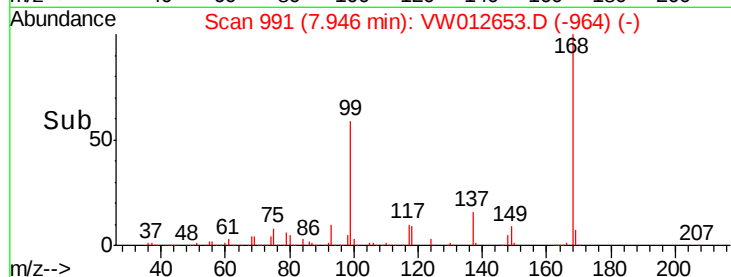
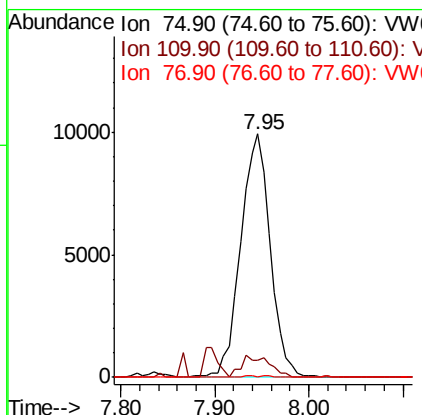
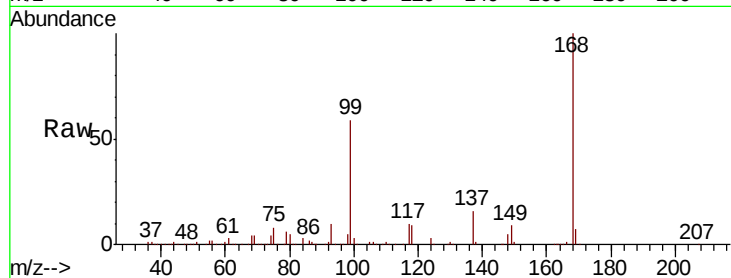




#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

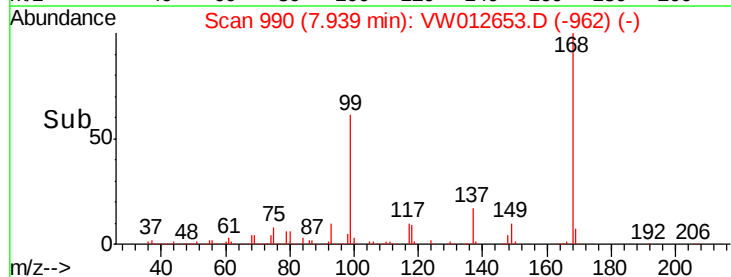
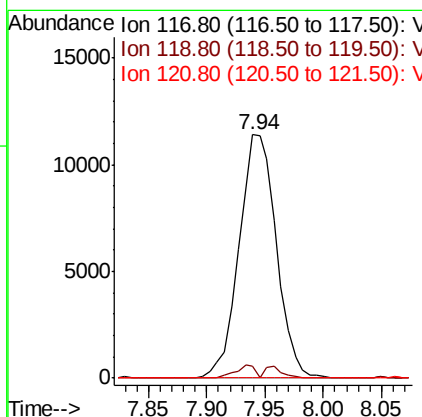
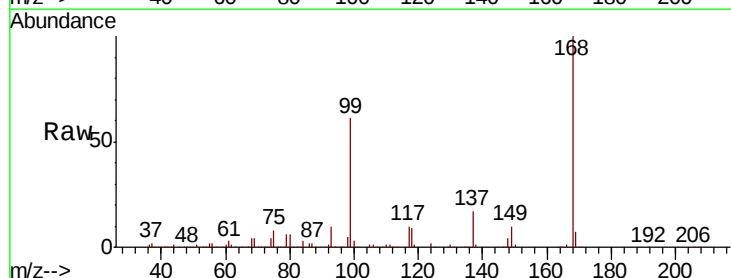
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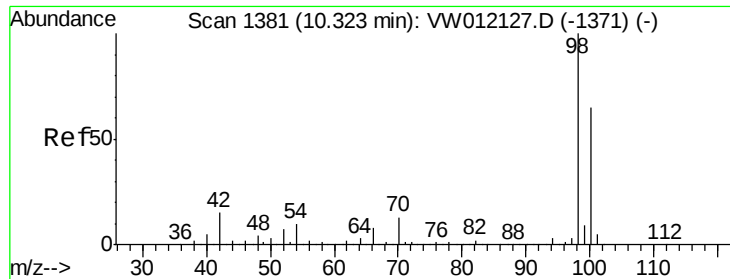
Tgt Ion: 75 Resp: 21757
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.828 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

Tgt Ion: 117 Resp: 25380
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#

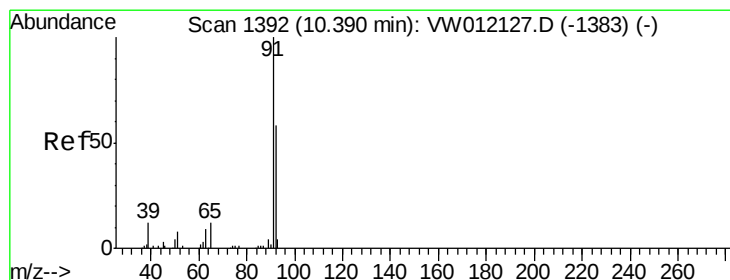
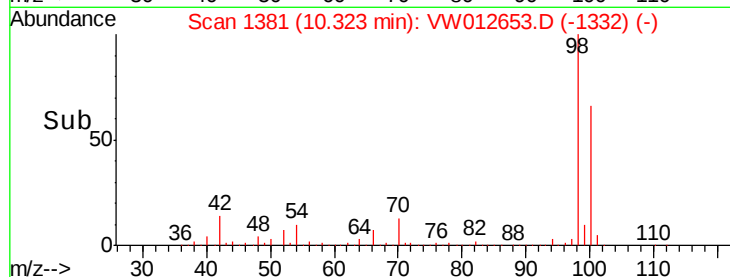
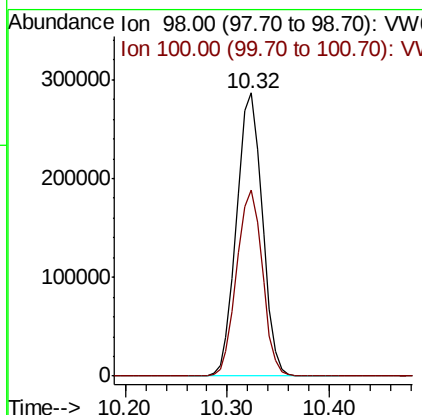
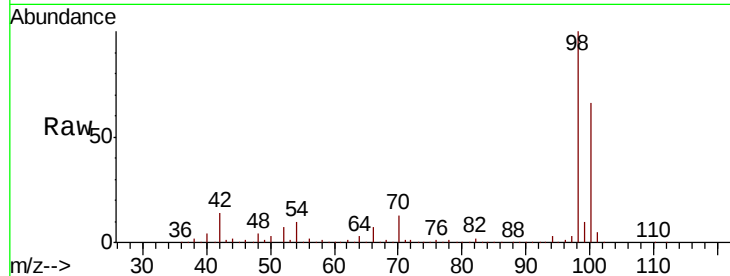




#50
Toluene-d8
Concen: 49.853 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012653.D
Acq: 05 Sep 2019 20:36

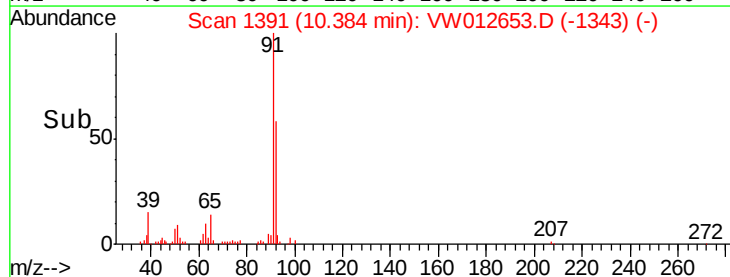
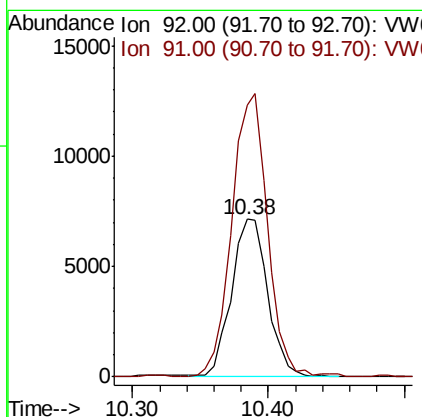
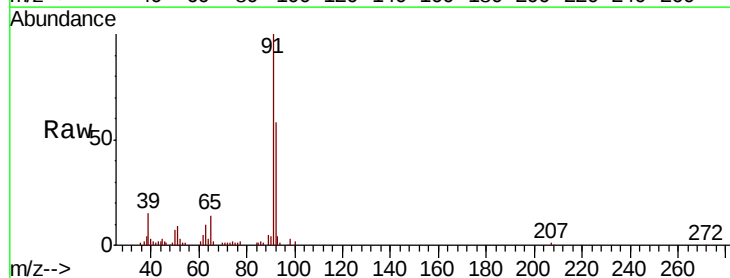
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(0)

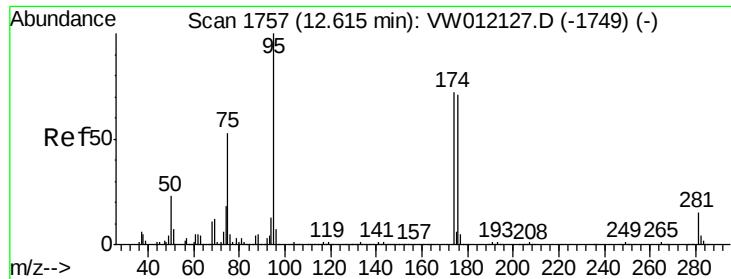
Tgt Ion: 98 Resp: 501459
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#52
Toluene
Concen: 1.885 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012653.D
Acq: 05 Sep 2019 20:36

Tgt Ion: 92 Resp: 13282
Ion Ratio Lower Upper
92 100
91 176.2 136.6 204.8

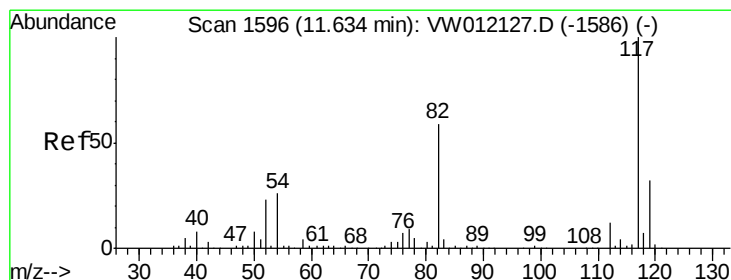
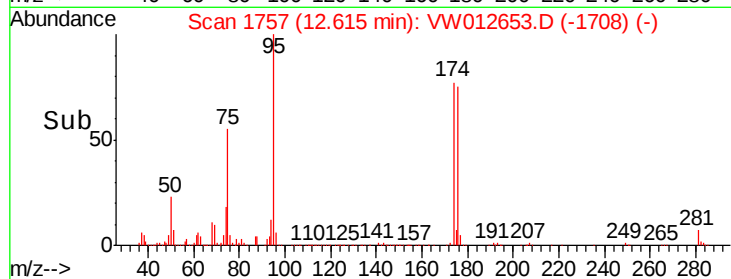
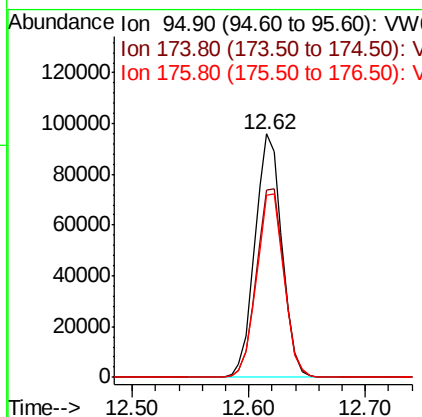
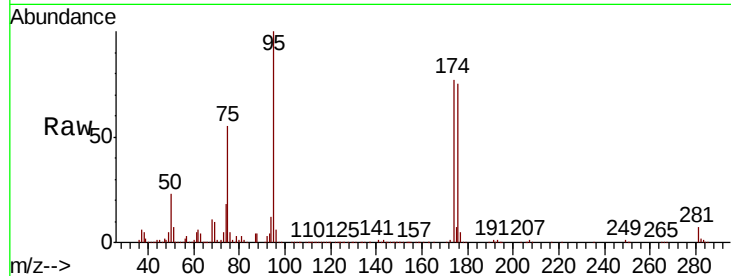




#62
4-Bromofluorobenzene
Concen: 43.790 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012653.D
Acq: 05 Sep 2019 20:36

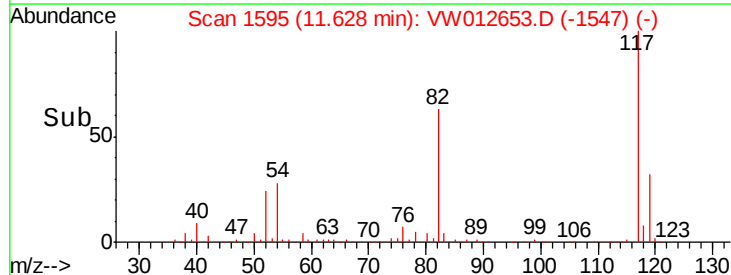
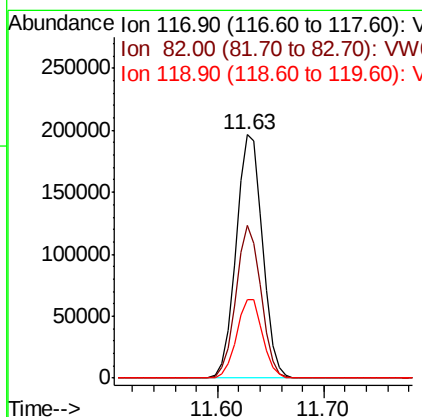
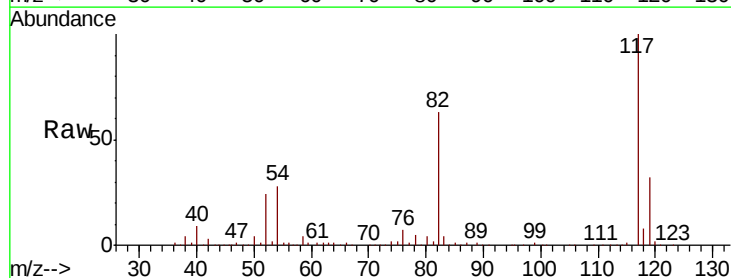
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-A4-(0)

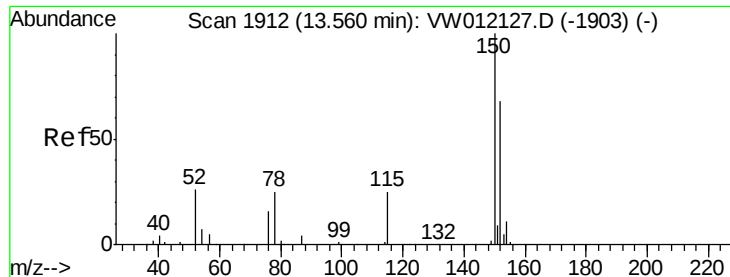
Tgt Ion: 95 Resp: 155267
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.8
176 76.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012653.D
Acq: 05 Sep 2019 20:36

Tgt Ion: 117 Resp: 341338
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 32.5 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012653.D

Acq: 05 Sep 2019 20:36

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-A4(0)

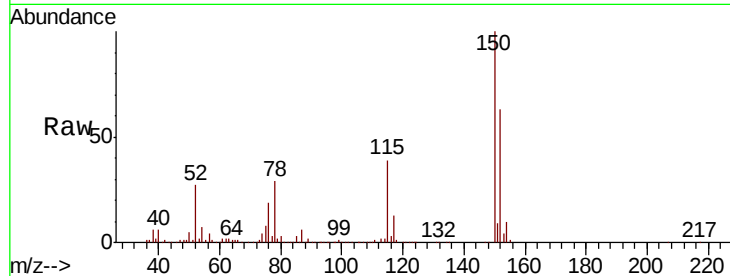
Tgt Ion:152 Resp: 132271

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

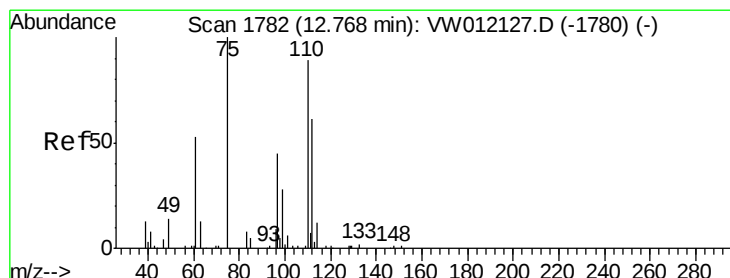
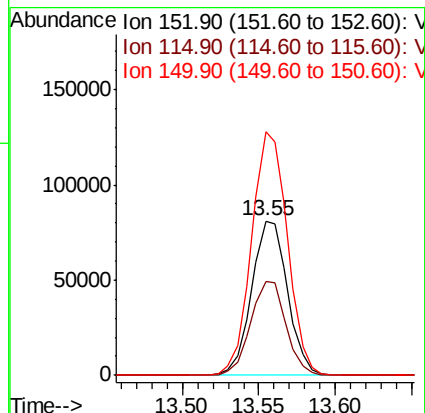
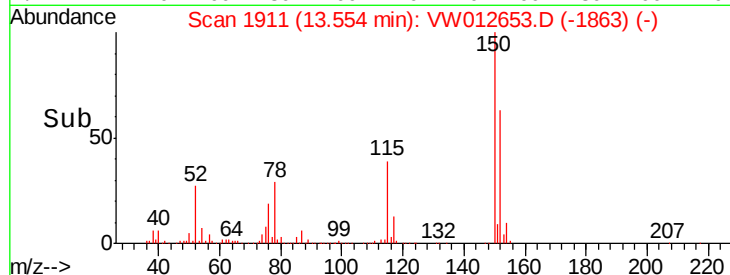
150 157.7 0.0 345.8



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: 65.584 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012653.D

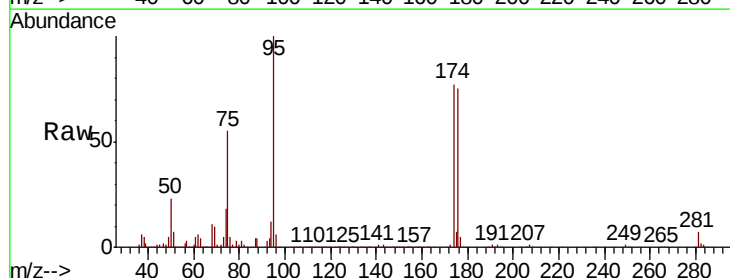
Acq: 05 Sep 2019 20:36

Tgt Ion: 75 Resp: 84487

Ion Ratio Lower Upper

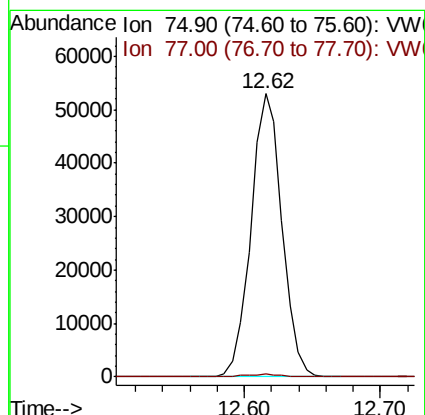
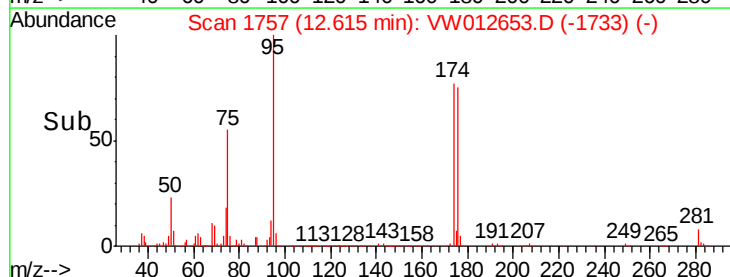
75 100

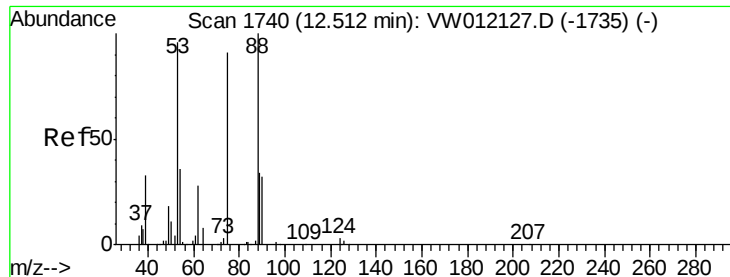
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

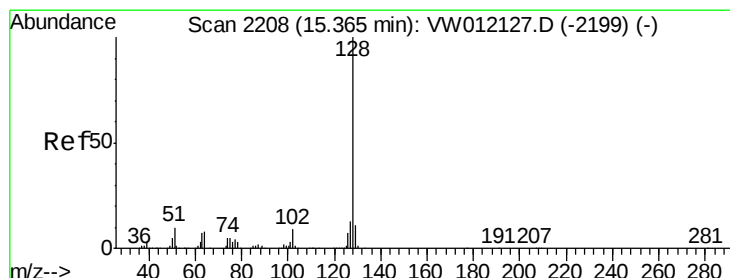
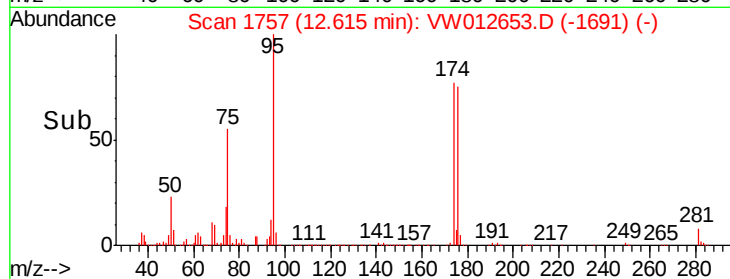
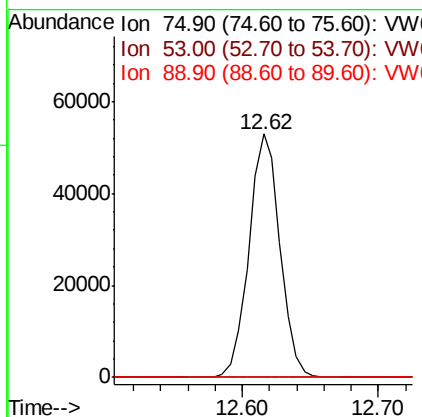
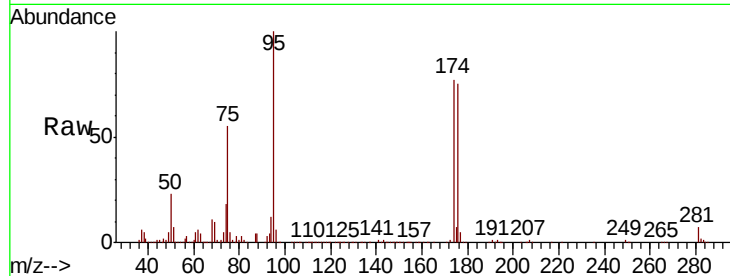




#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.795 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-A4-(0)

Tgt Ion: 75 Resp: 84487
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.431 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012653.D
 Acq: 05 Sep 2019 20:36

Tgt Ion: 128 Resp: 601
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.7 16.1
 129 3.3 8.7 13.1#

