

Data File : VW012768.D
Acq On : 08 Sep 2019 14:44
Operator : SY/VA
Sample : K4603-05
Misc : 2.59G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-E3-(0)

Quant Time: Sep 09 05:58:03 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	208589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	121815	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.88	113	94227	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.32	98	430886	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
62) 4-Bromofluorobenzene	12.62	95	131625	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

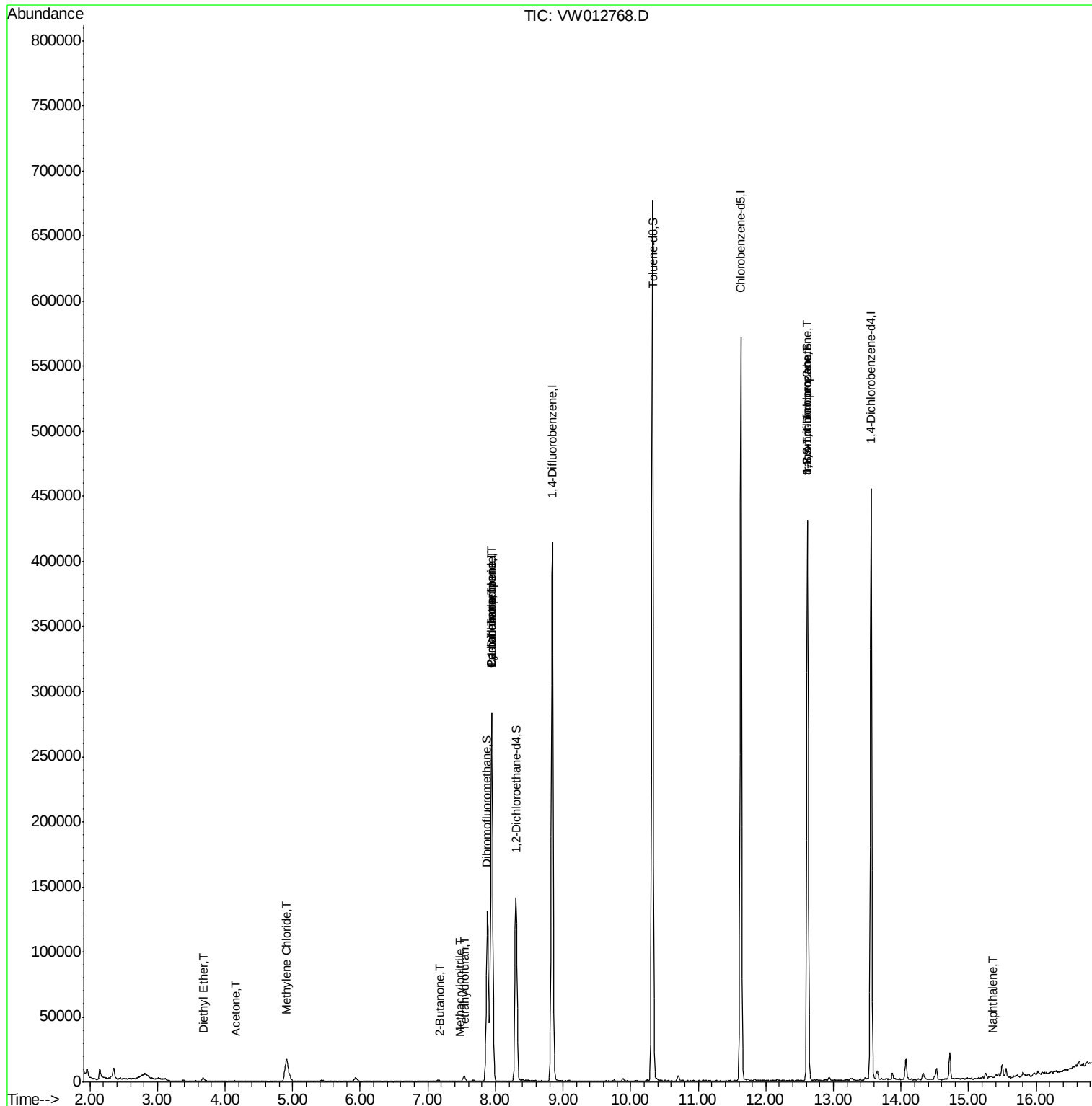
Target Compounds				Qvalue		
8) Diethyl Ether	3.68	74	1356	1.387	ug/l	79
16) Acetone	4.16	43	1280	2.015	ug/l #	61
20) Methylene Chloride	4.92	84	12550	6.314	ug/l	95
25) 2-Butanone	7.17	43	164	19.842	ug/l #	53
29) Tetrahydrofuran	7.54	42	3385	6.597	ug/l #	83
31) Cyclohexane	7.94	56	4593	1.341	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16944	5.900	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21037	7.431	ug/l #	16
41) Methacrylonitrile	7.48	41	82	3.900	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	72545	60.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72545	128.114	ug/l #	6
95) Naphthalene	15.36	128	662	4.562	ug/l #	82

(#) = 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: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

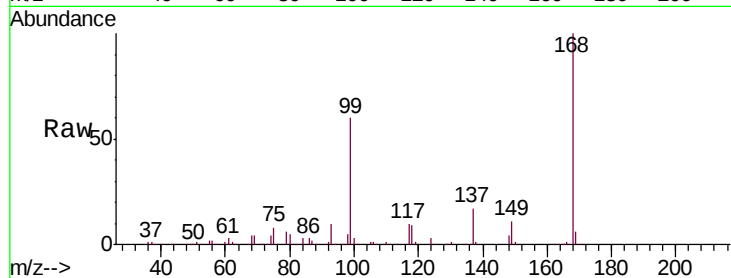
PAR-E3-(0)

Tgt Ion:168 Resp: 208589

Ion Ratio Lower Upper

168 100

99 60.3 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

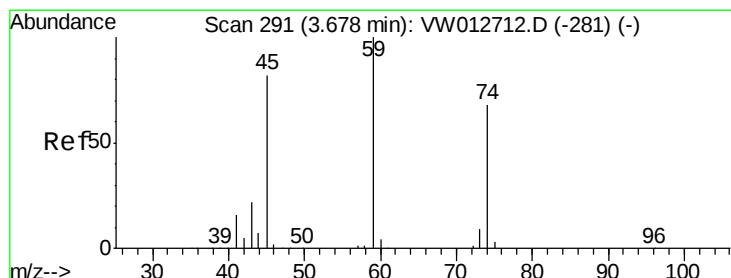
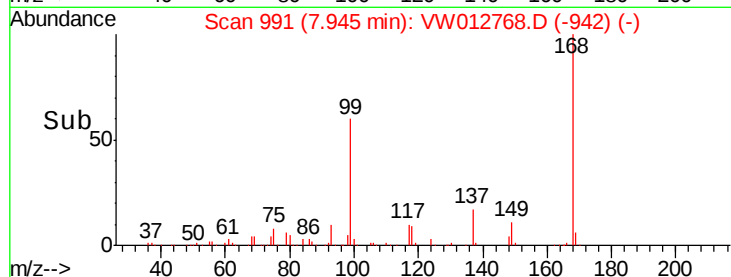
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.387 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012768.D

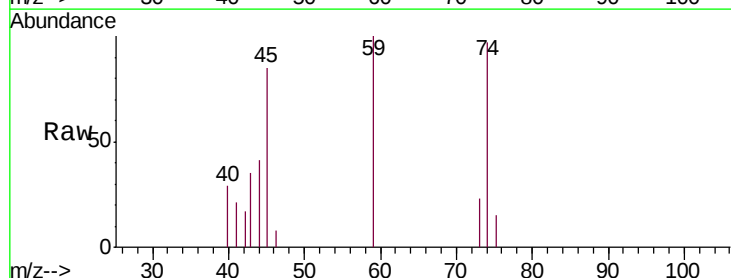
Acq: 08 Sep 2019 14:44

Tgt Ion: 74 Resp: 1356

Ion Ratio Lower Upper

74 100

45 141.0 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

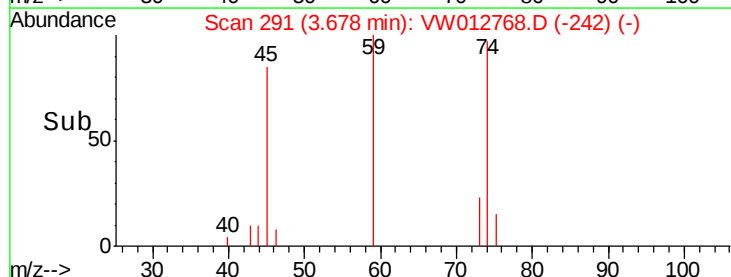
600

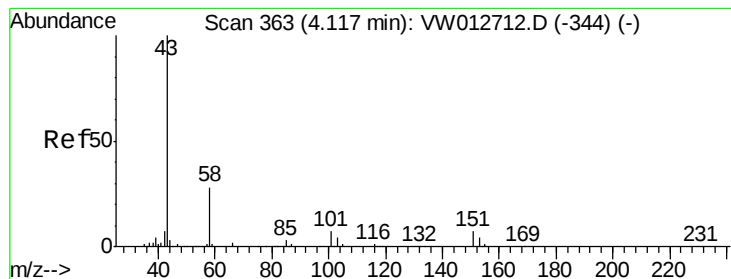
400

200

0

Time--> 3.65 3.70





#16

Acetone

Concen: 2.015 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

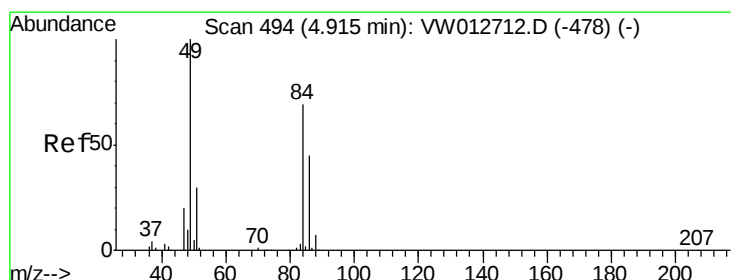
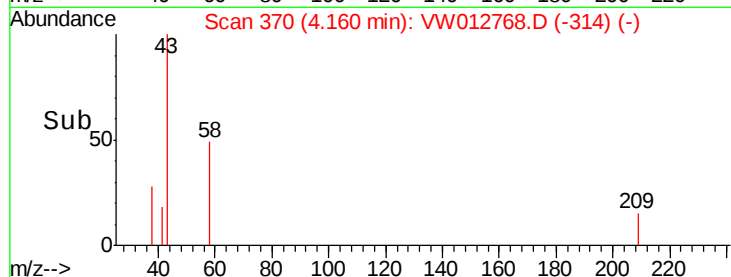
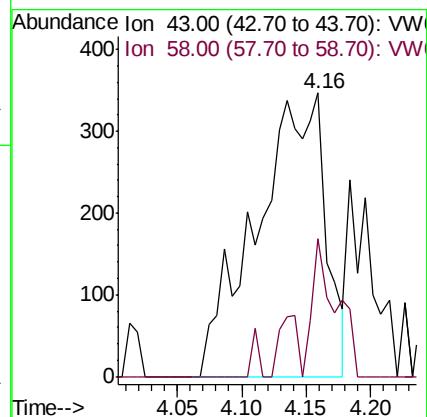
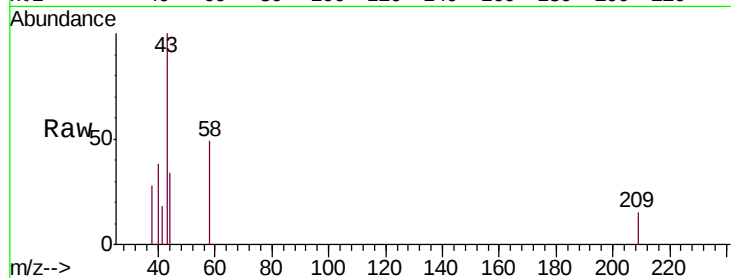
PAR-E3-(0)

Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

58 48.7 22.6 33.8#



#20

Methylene Chloride

Concen: 6.314 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Tgt Ion: 84 Resp: 12550

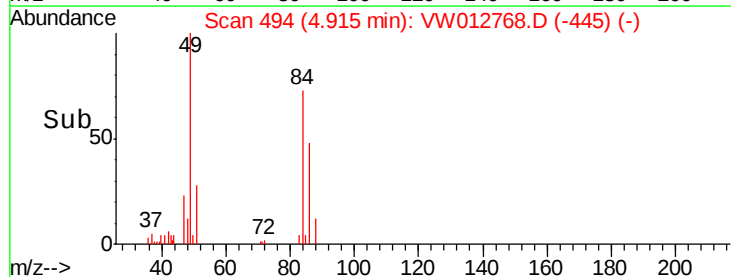
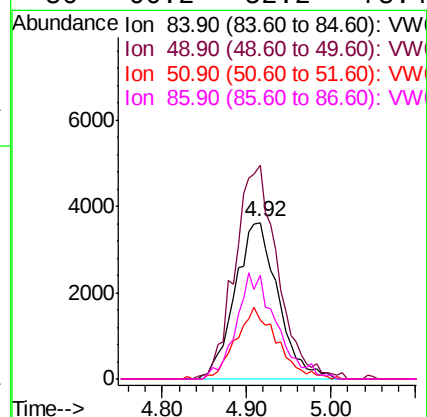
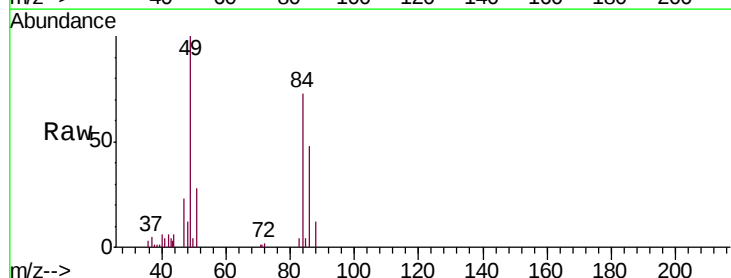
Ion Ratio Lower Upper

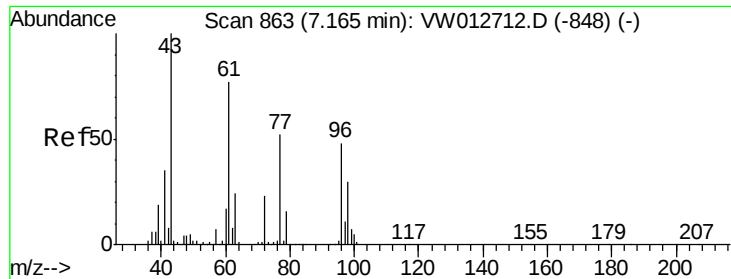
84 100

49 136.6 115.4 173.0

51 37.9 34.9 52.3

86 66.2 52.2 78.4

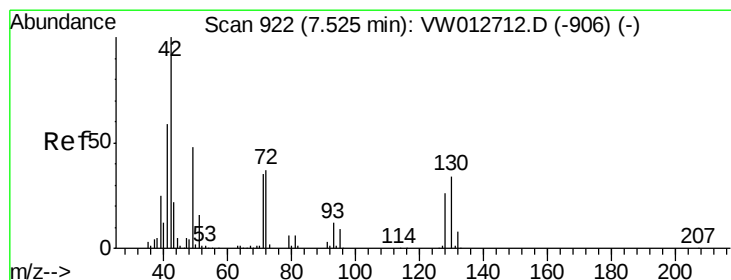
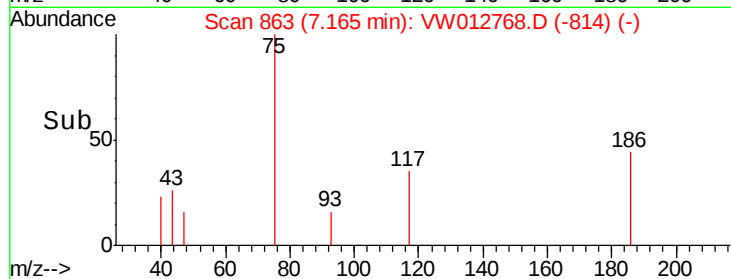
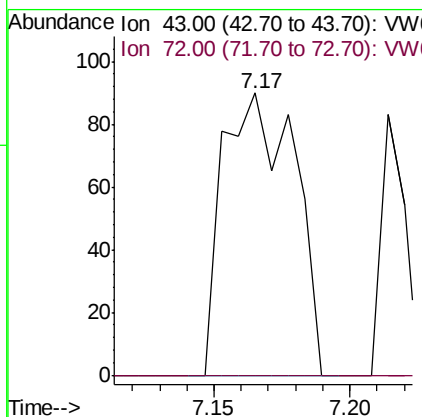
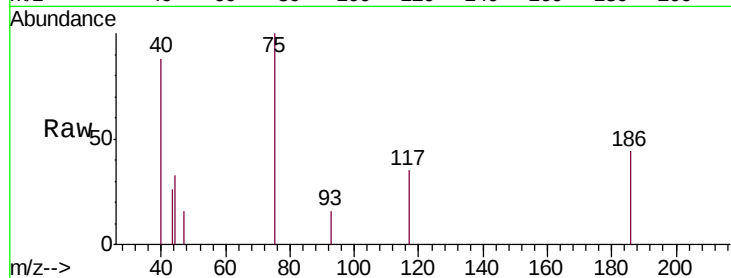




#25
2-Butanone
Concen: 19.842 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012768.D
Acq: 08 Sep 2019 14:44

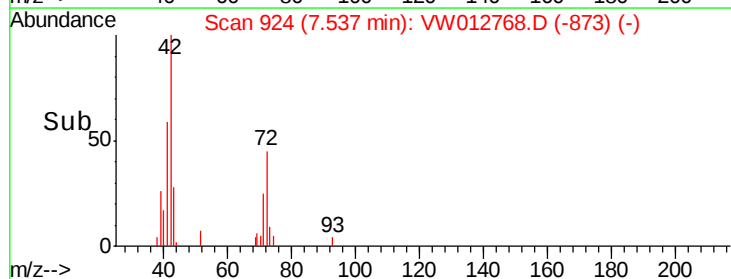
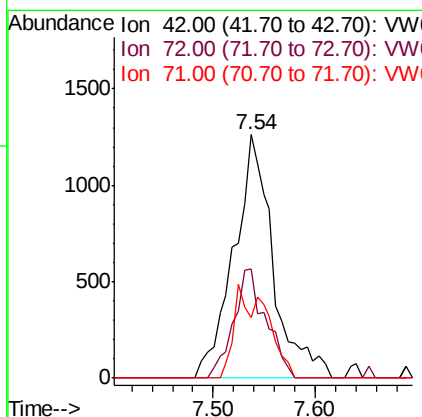
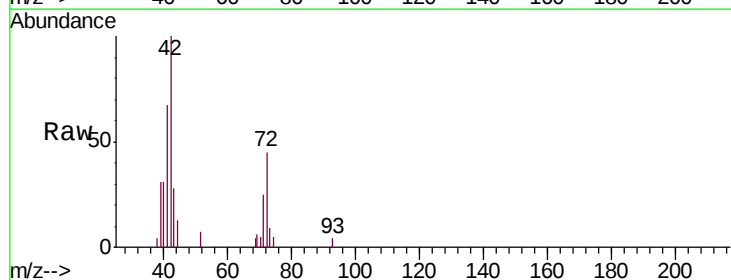
Instrument :
MSVOA_W
ClientSampleId :
PAR-E3-(0)

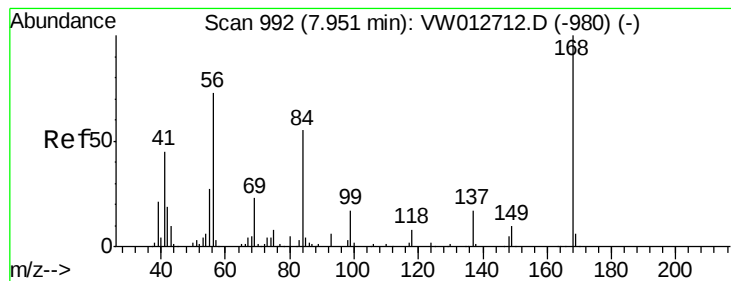
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



#29
Tetrahydrofuran
Concen: 6.597 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012768.D
Acq: 08 Sep 2019 14:44

Tgt Ion: 42 Resp: 3385
Ion Ratio Lower Upper
42 100
72 36.8 28.4 42.6
71 15.4 27.1 40.7#





#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-E3-(0)

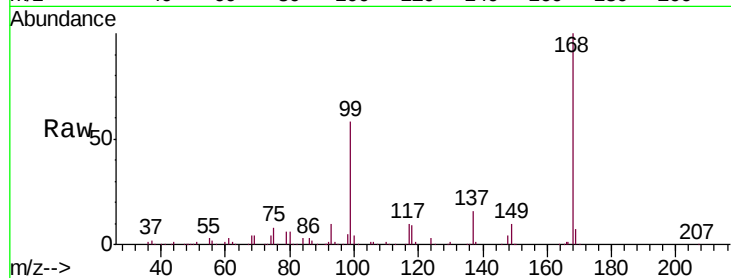
Tgt Ion: 56 Resp: 4593

Ion Ratio Lower Upper

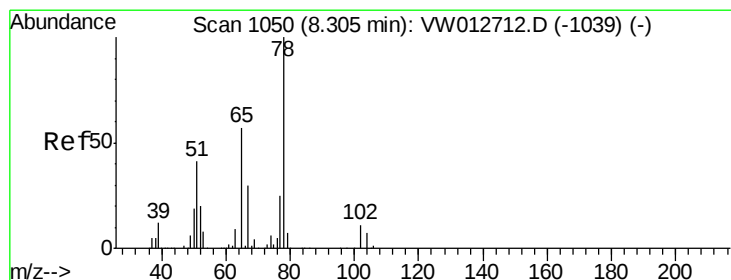
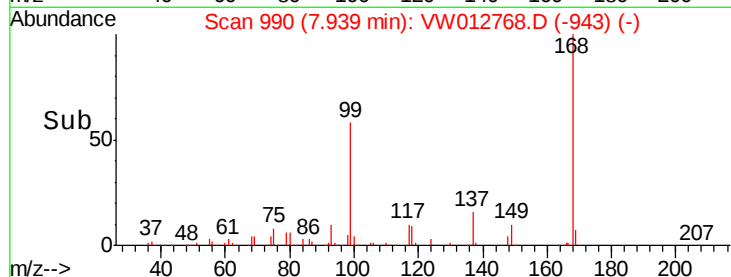
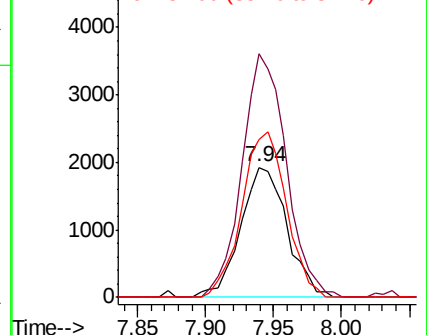
56 100

69 187.1 25.7 38.5#

84 121.0 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: 52.267 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012768.D

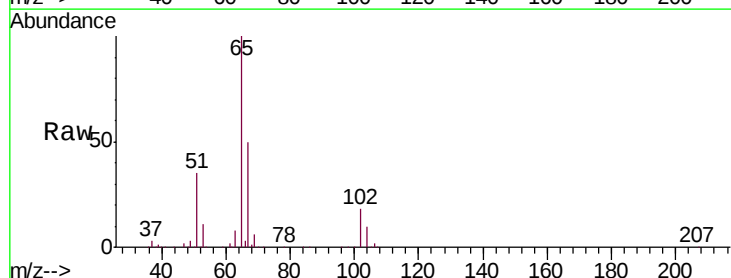
Acq: 08 Sep 2019 14:44

Tgt Ion: 65 Resp: 121815

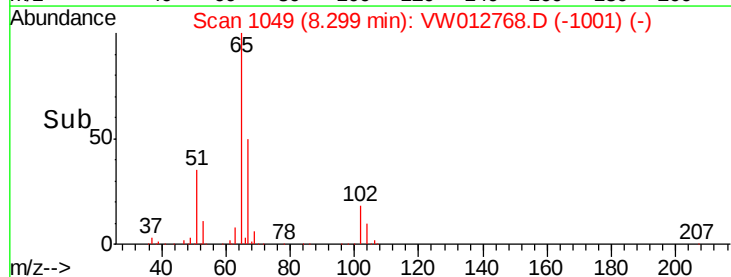
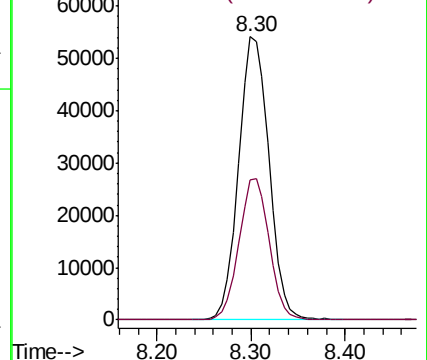
Ion Ratio Lower Upper

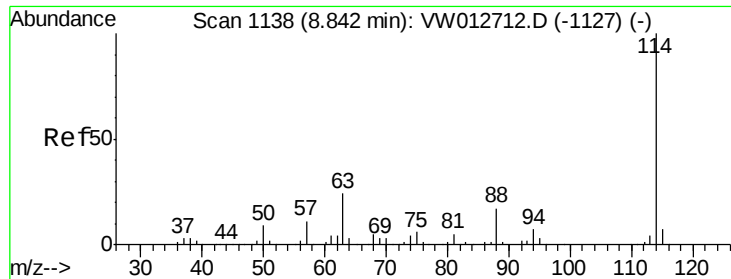
65 100

67 49.7 0.0 101.8



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

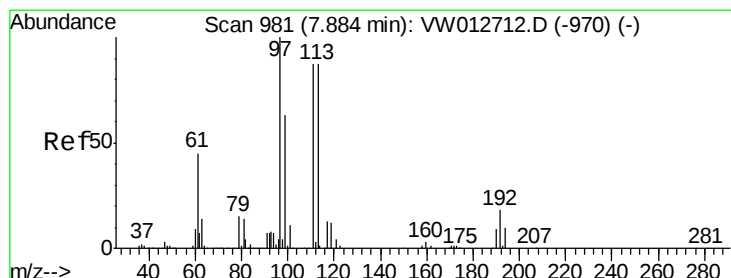
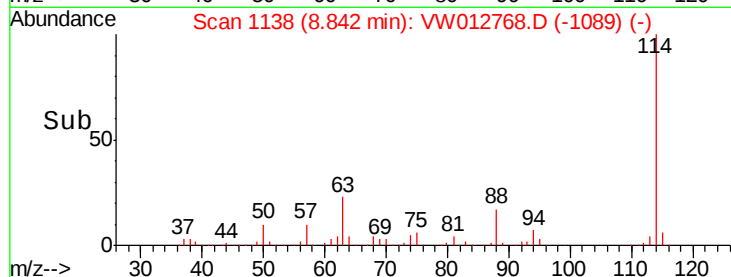
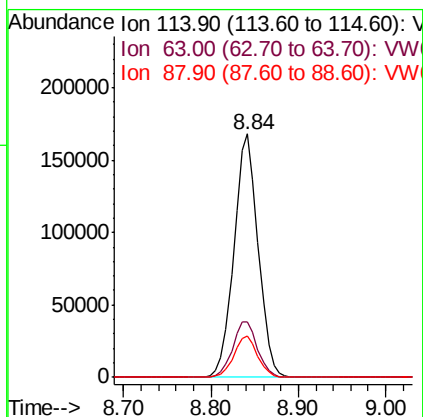
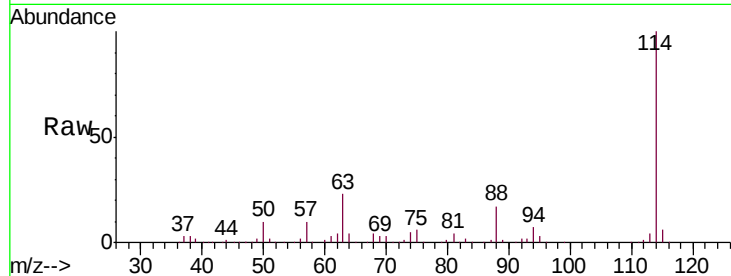




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012768.D
 Acq: 08 Sep 2019 14:44

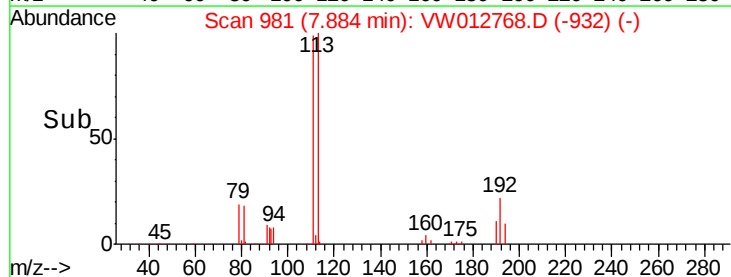
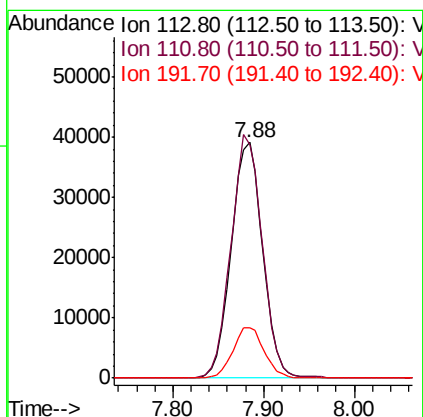
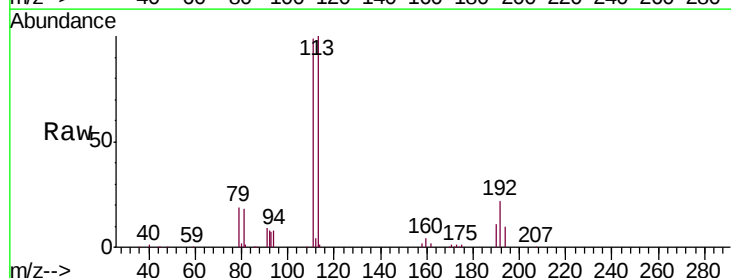
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E3-(0)

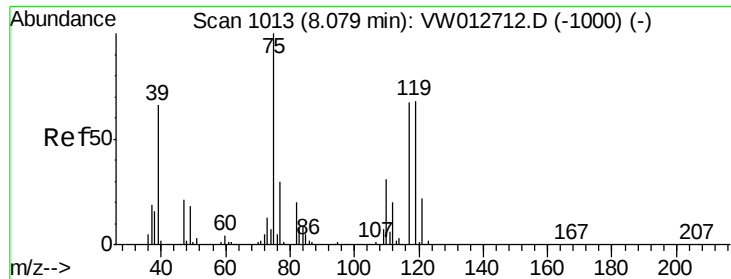
Tgt Ion:114 Resp: 323203
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.8 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.037 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012768.D
 Acq: 08 Sep 2019 14:44

Tgt Ion:113 Resp: 94227
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.2 120.4
 192 21.4 17.3 25.9

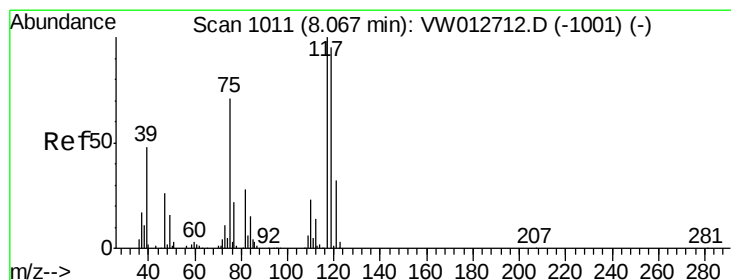
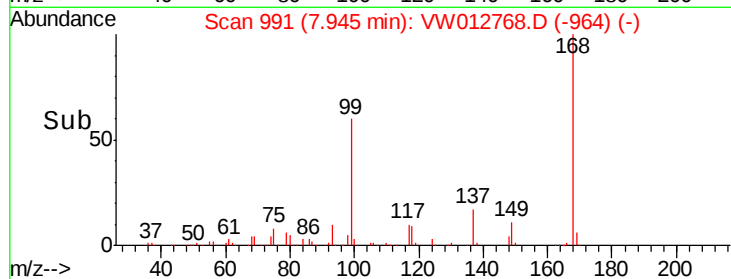
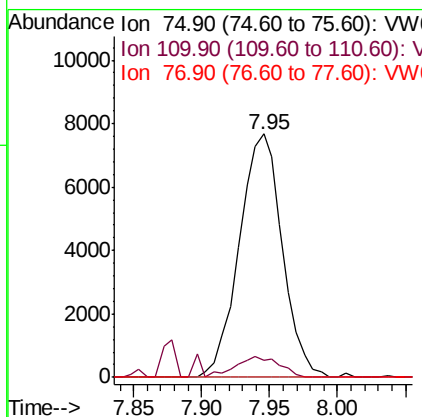
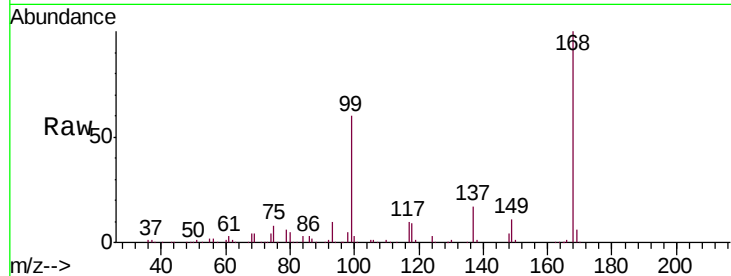




#36
 1,1-Dichloropropene
 Concen: 5.900 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012768.D
 Acq: 08 Sep 2019 14:44

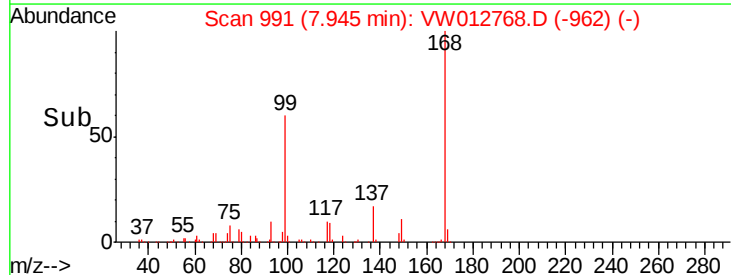
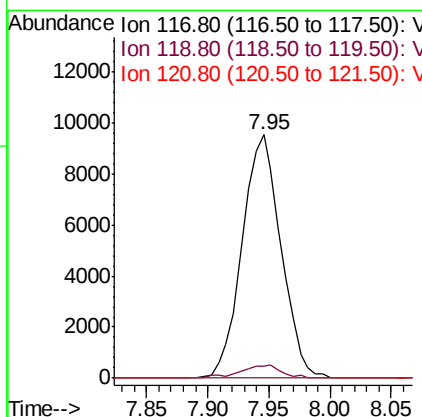
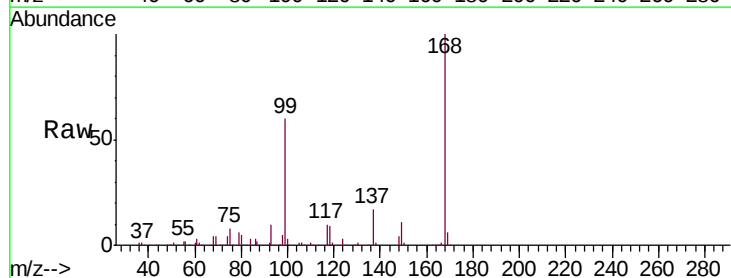
Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-E3-(0)

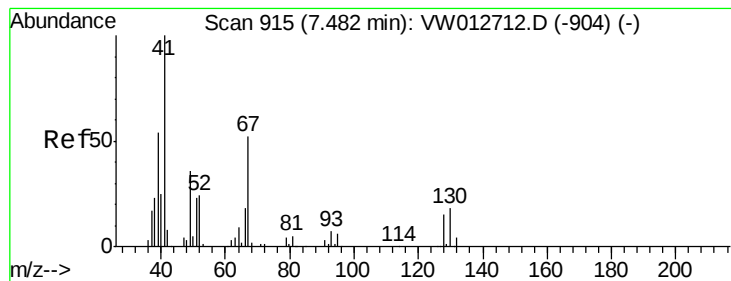
Tgt Ion: 75 Resp: 16944
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.431 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012768.D
 Acq: 08 Sep 2019 14:44

Tgt Ion: 117 Resp: 21037
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.900 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-E3-(0)

Tgt Ion: 41 Resp: 82

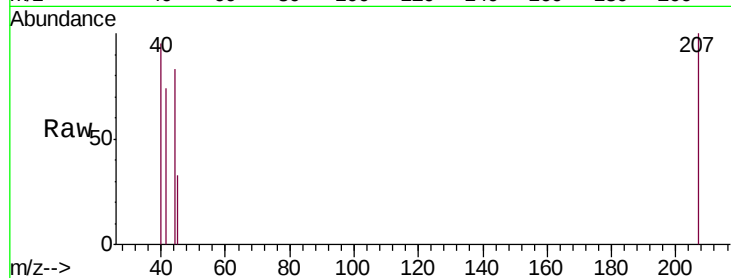
Ion Ratio Lower Upper

41 100

39 0.0 47.5 71.3#

67 0.0 45.1 67.7#

52 54.9 20.2 30.2#

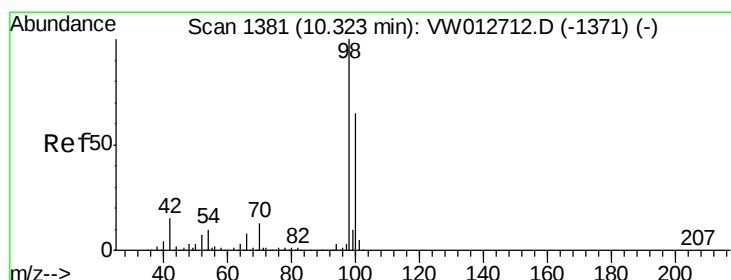
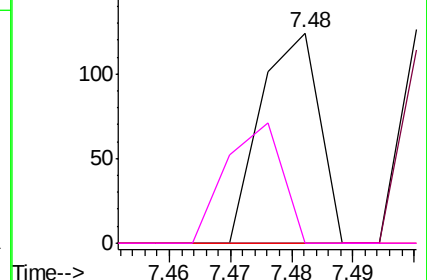
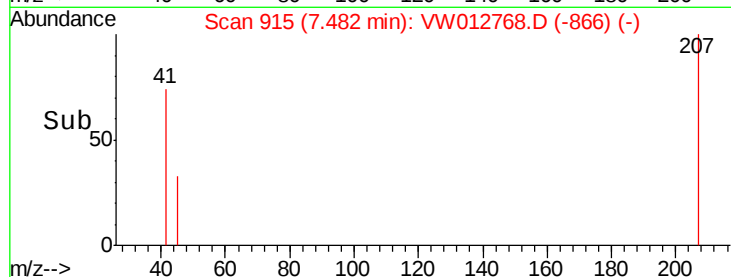


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 57.237 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012768.D

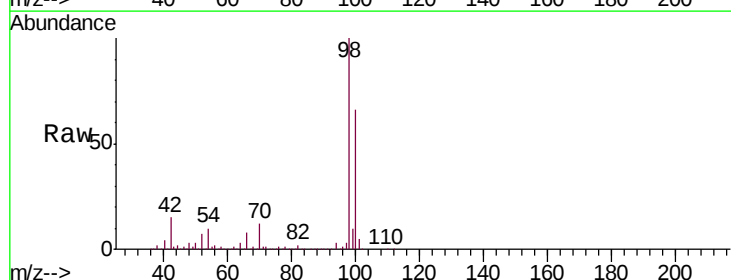
Acq: 08 Sep 2019 14:44

Tgt Ion: 98 Resp: 430886

Ion Ratio Lower Upper

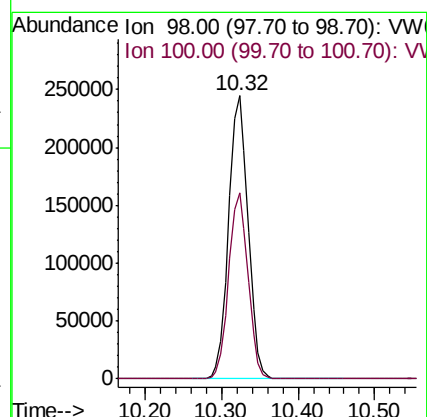
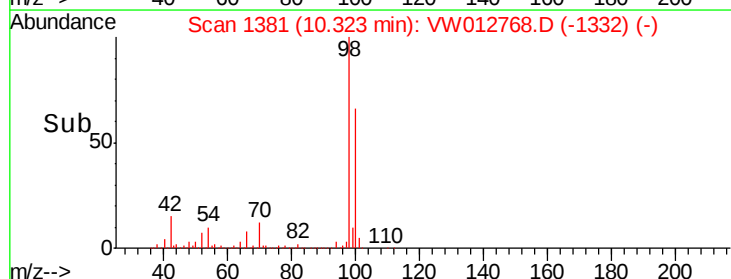
98 100

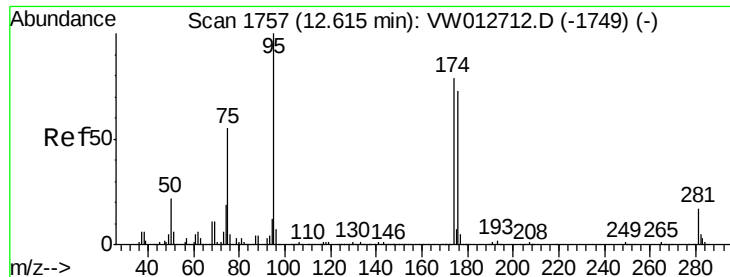
100 65.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

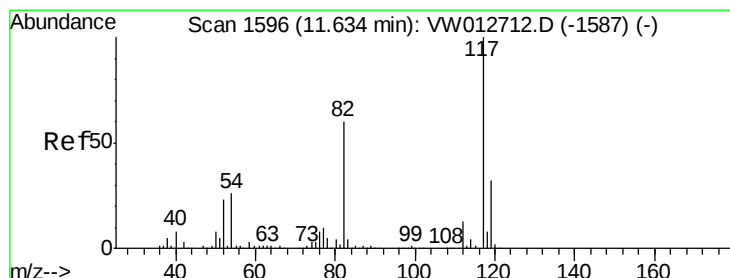
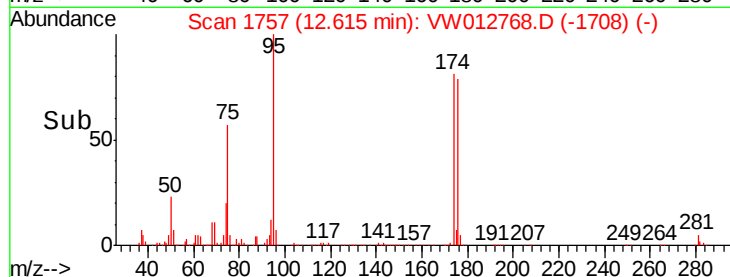
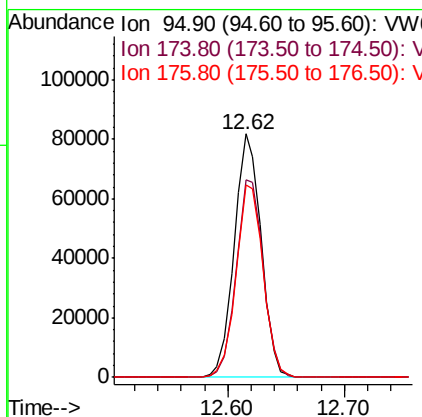
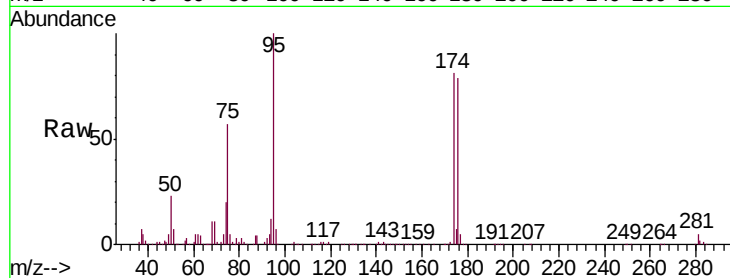




#62
4-Bromofluorobenzene
Concen: 48.162 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012768.D
Acq: 08 Sep 2019 14:44

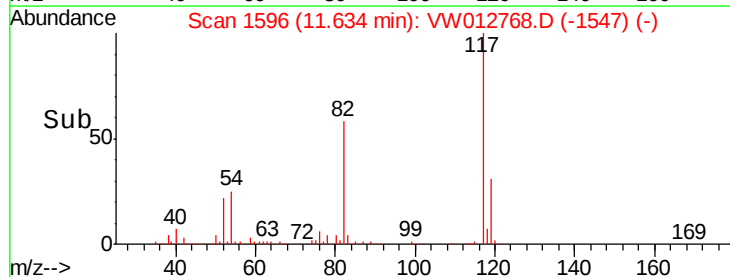
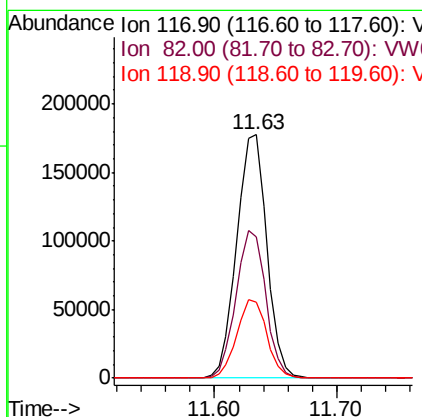
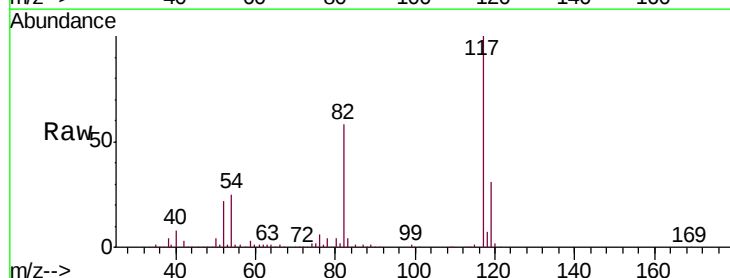
Instrument :
MSVOA_W
ClientSampleId :
PAR-E3-(0)

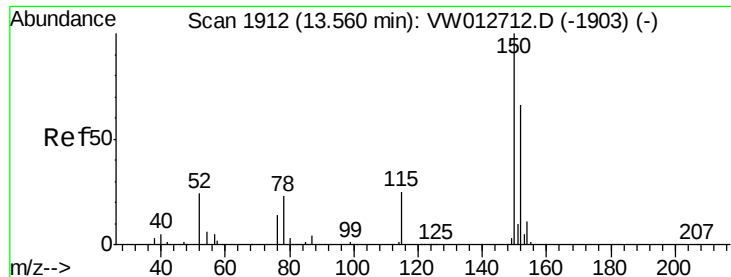
Tgt Ion: 95 Resp: 131625
Ion Ratio Lower Upper
95 100
174 81.8 0.0 161.0
176 79.6 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012768.D
Acq: 08 Sep 2019 14:44

Tgt Ion: 117 Resp: 302494
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.4
119 31.3 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: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-E3-(0)

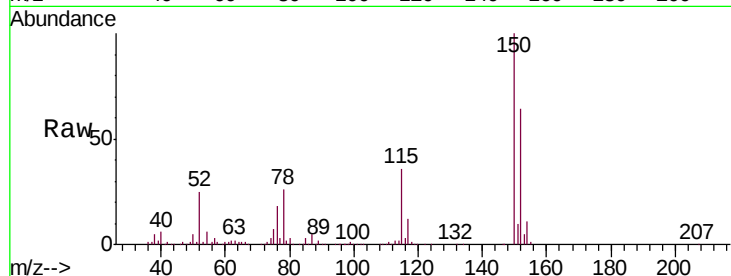
Tgt Ion:152 Resp: 117126

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.1

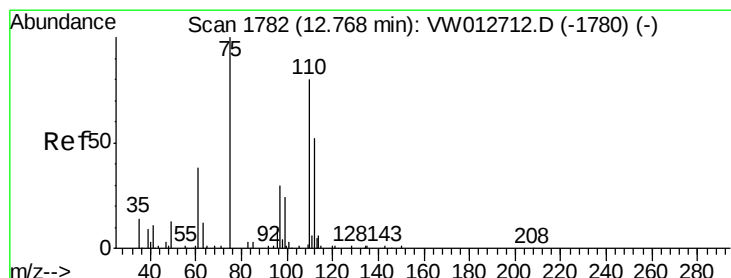
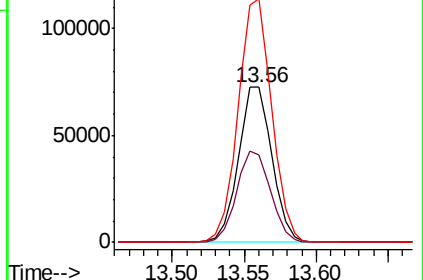
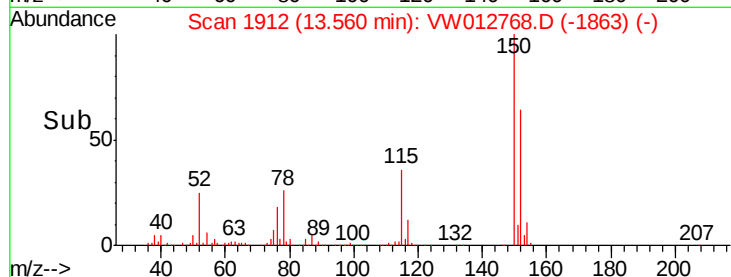
150 156.8 0.0 349.0



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: 60.572 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012768.D

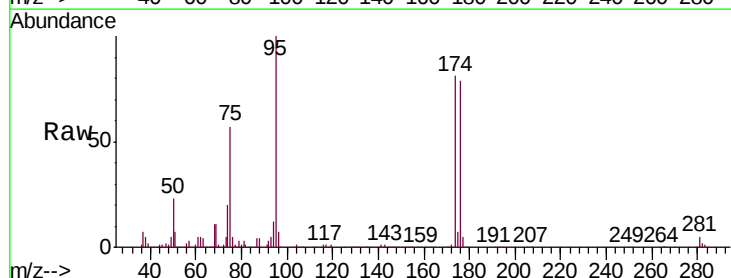
Acq: 08 Sep 2019 14:44

Tgt Ion: 75 Resp: 72545

Ion Ratio Lower Upper

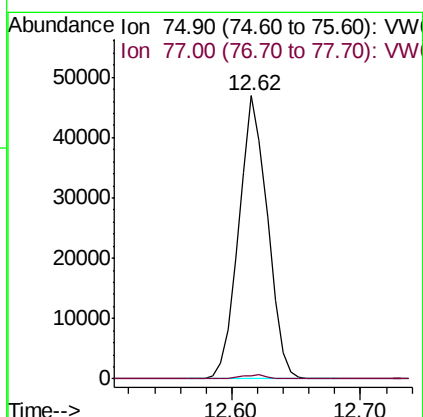
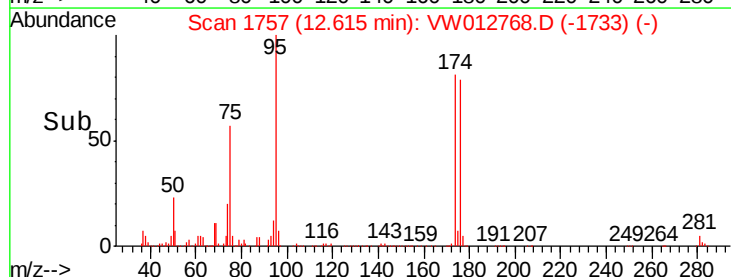
75 100

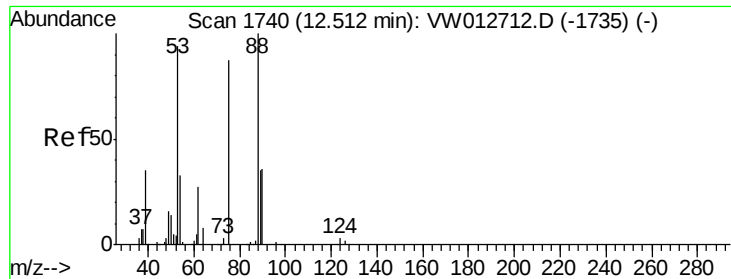
77 1.4 0.0 0.0#



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: 128.114 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Instrument :

MSVOA_W

ClientSampleId :

PAR-E3-(0)

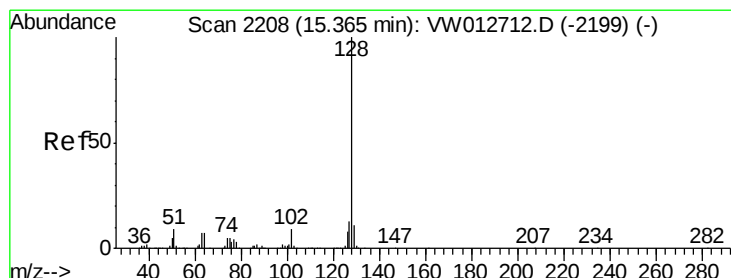
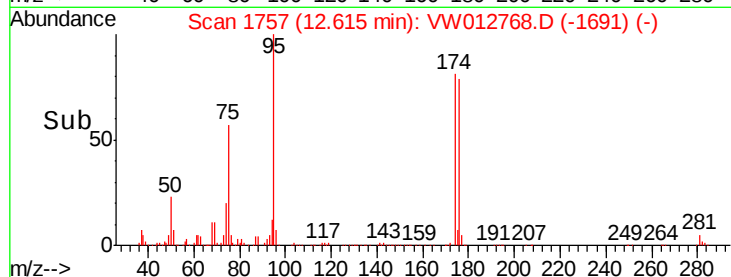
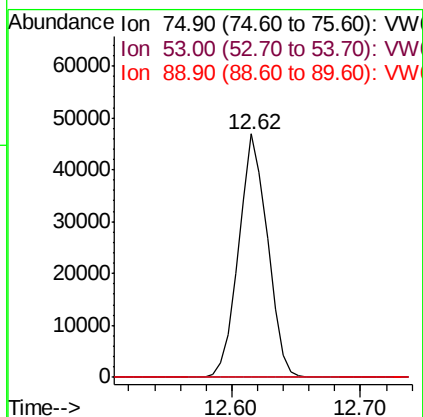
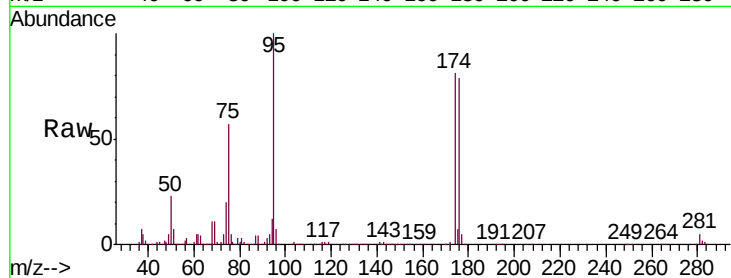
Tgt Ion: 75 Resp: 72545

Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.1 35.5 53.3#



#95

Naphthalene

Concen: 4.562 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012768.D

Acq: 08 Sep 2019 14:44

Tgt Ion: 128 Resp: 662

Ion Ratio Lower Upper

128 100

127 6.9 10.7 16.1#

129 3.0 8.7 13.1#

