

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012894.D
 Acq On : 11 Sep 2019 03:12
 Operator : SY/VA
 Sample : K4696-07
 Misc : 5.02G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB09-7.5-8.0

Quant Time: Sep 11 08:24:01 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	196126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	293414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	94263	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	103628	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
35) Dibromofluoromethane	7.88	113	84401	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.32	98	347397	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	104076	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	

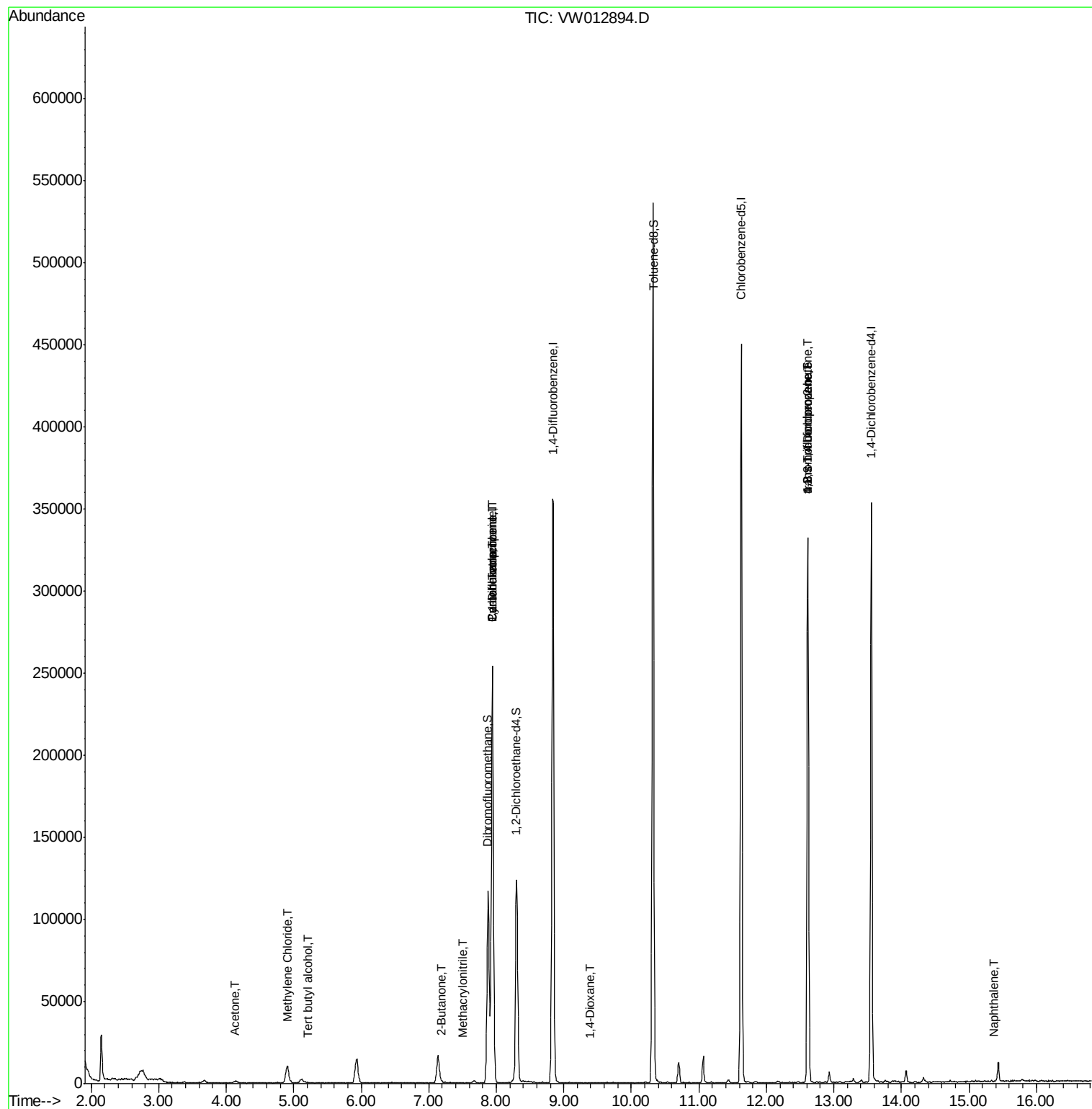
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	281	1.676	ug/l #	72
16) Acetone	4.14	43	1946	3.257	ug/l	99
20) Methylene Chloride	4.91	84	7576	4.053	ug/l	96
25) 2-Butanone	7.19	43	181	19.870	ug/l #	53
31) Cyclohexane	7.95	56	4019	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	14856	5.698	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18790	7.312	ug/l #	18
41) Methacrylonitrile	7.49	41	87	3.910	ug/l #	42
49) 1,4-Dioxane	9.38	88	42	2.238	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	54387	56.425	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54387	119.343	ug/l #	6
95) Naphthalene	15.36	128	130	4.469	ug/l #	69

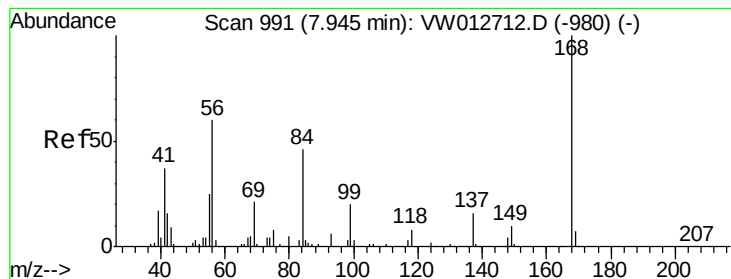
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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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: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

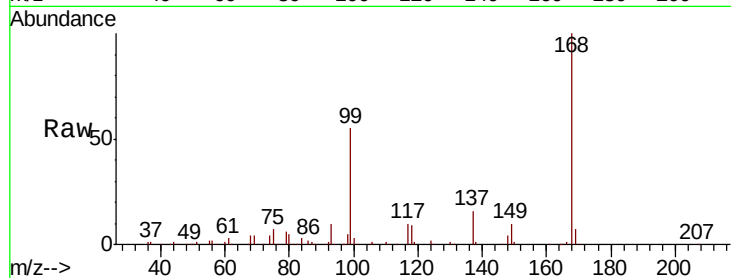
WS-SB09-7.5-8.0

Tgt Ion:168 Resp: 196126

Ion Ratio Lower Upper

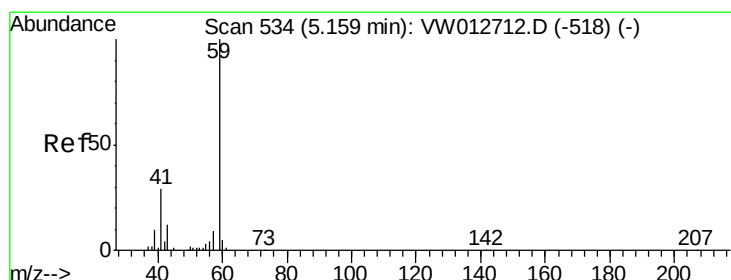
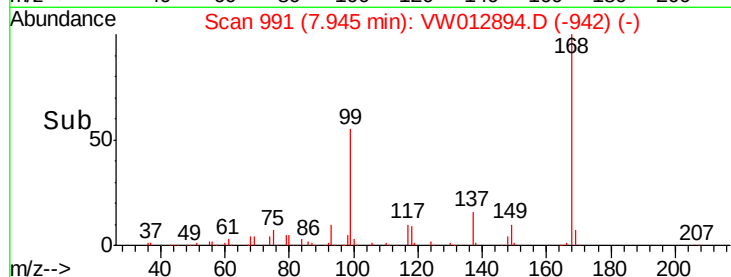
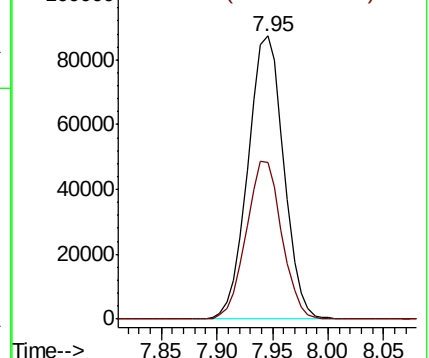
168 100

99 55.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.676 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.04 min

Lab File: VW012894.D

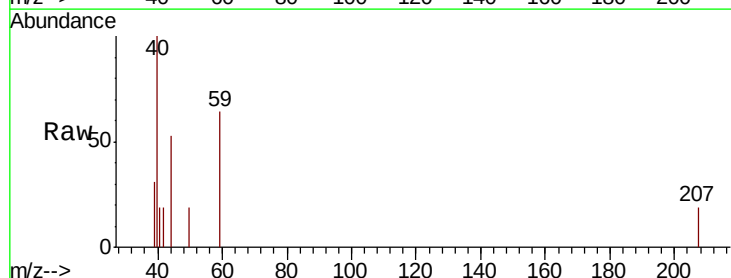
Acq: 11 Sep 2019 03:12

Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

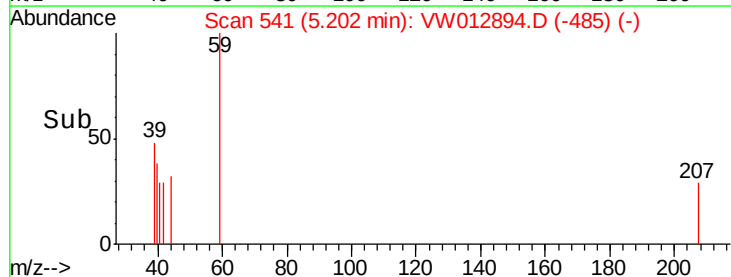
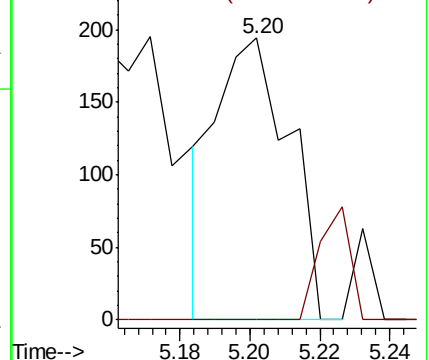
59 100

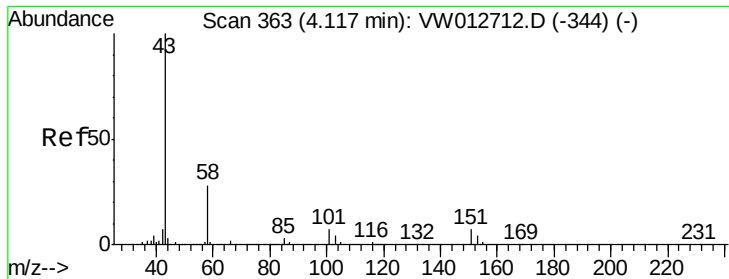
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.257 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

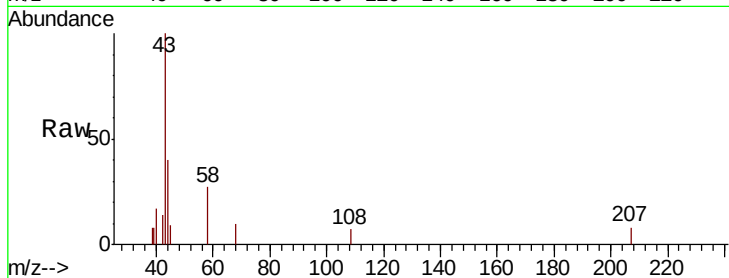
WS-SB09-7.5-8.0

Tgt Ion: 43 Resp: 1946

Ion Ratio Lower Upper

43 100

58 28.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

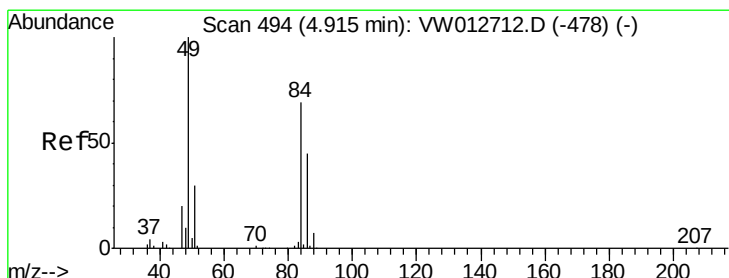
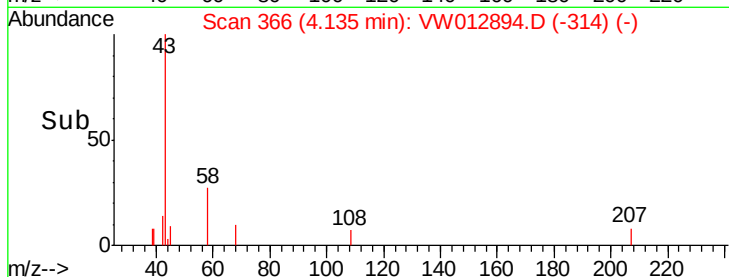
600

400

200

0

Time--> 4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 4.053 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Tgt Ion: 84 Resp: 7576

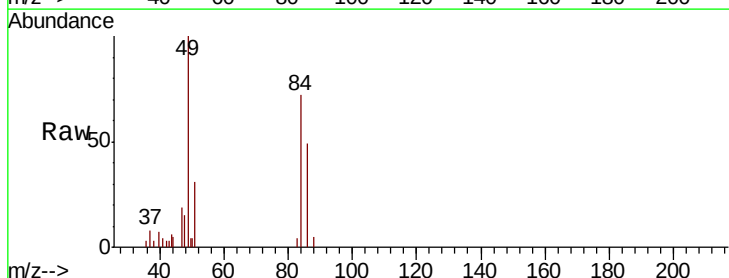
Ion Ratio Lower Upper

84 100

49 138.0 115.4 173.0

51 42.6 34.9 52.3

86 68.2 52.2 78.4



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

5000

4000

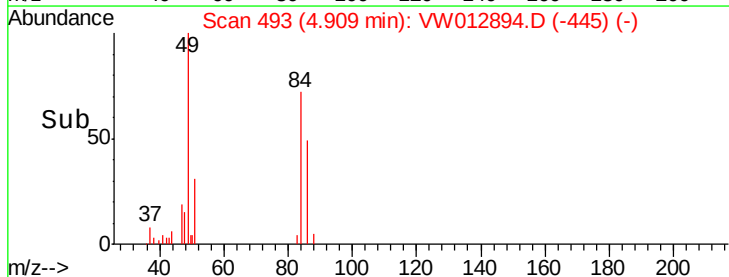
3000

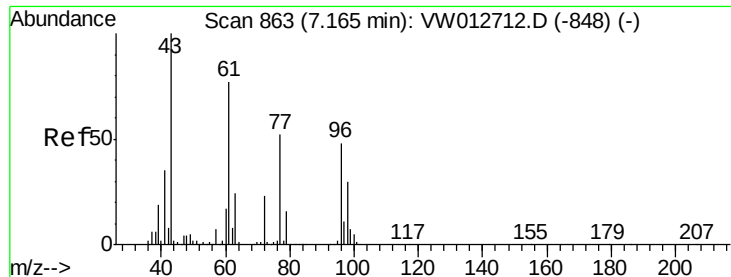
2000

1000

0

Time--> 4.80 4.90 5.00





#25

2-Butanone

Concen: 19.870 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

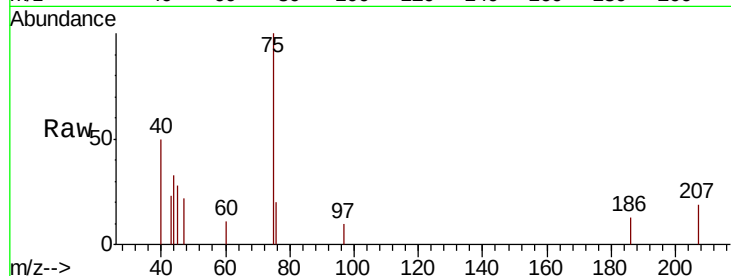
WS-SB09-7.5-8.0

Tgt Ion: 43 Resp: 181

Ion Ratio Lower Upper

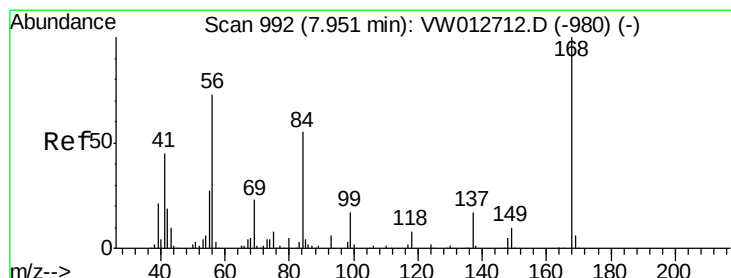
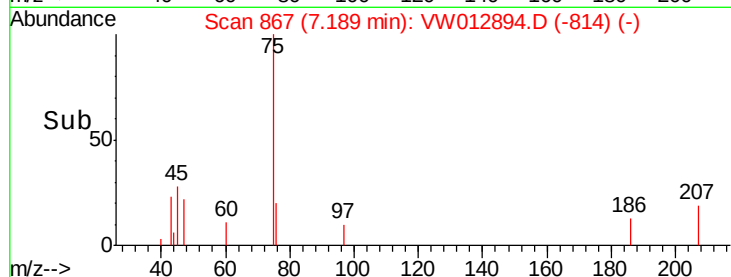
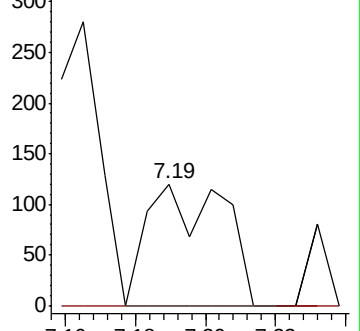
43 100

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



#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

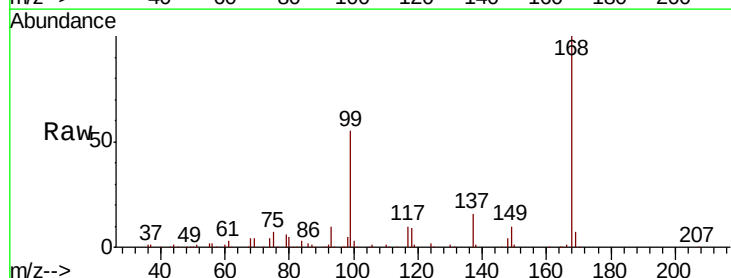
Tgt Ion: 56 Resp: 4019

Ion Ratio Lower Upper

56 100

69 185.0 25.7 38.5#

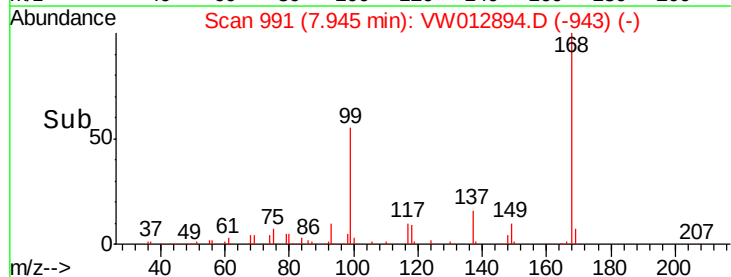
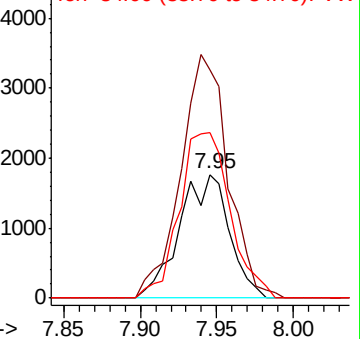
84 133.9 60.4 90.6#

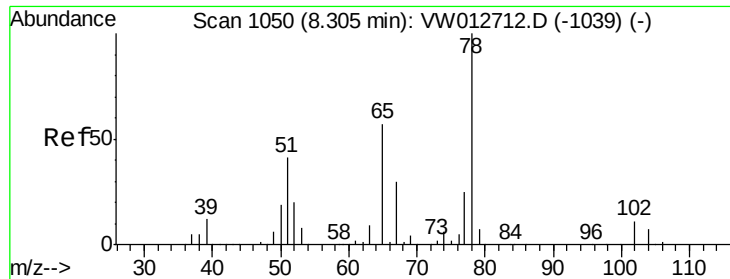


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

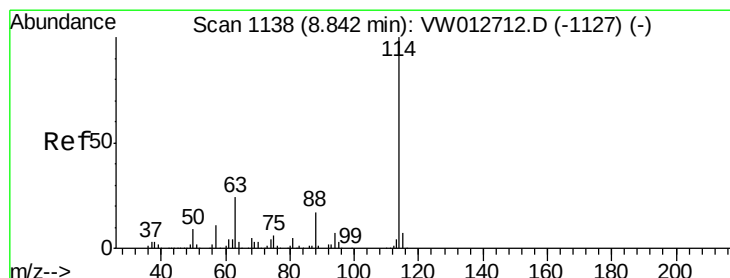
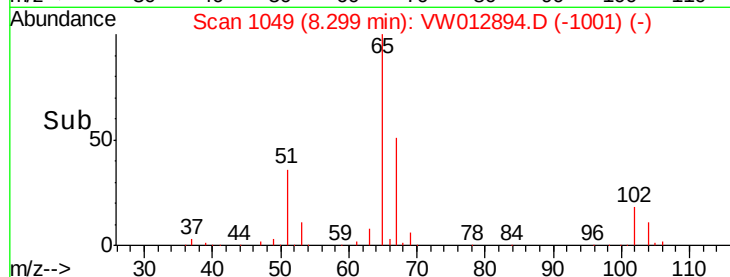
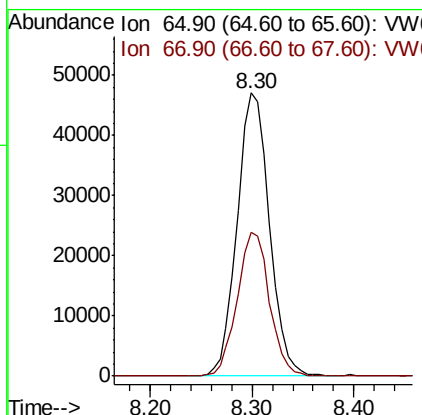
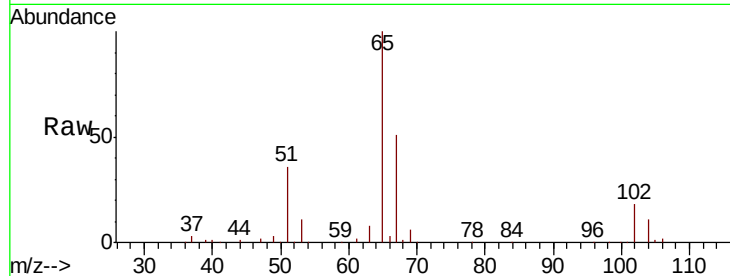




#33
 1,2-Dichloroethane-d4
 Concen: 47.289 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

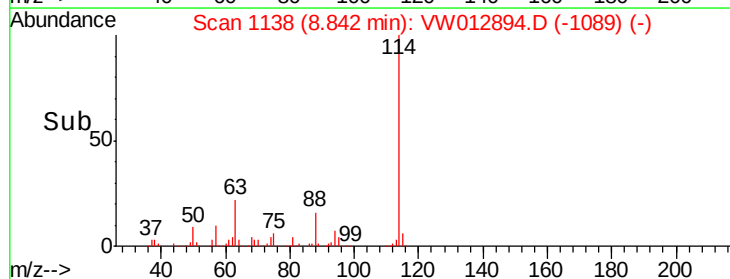
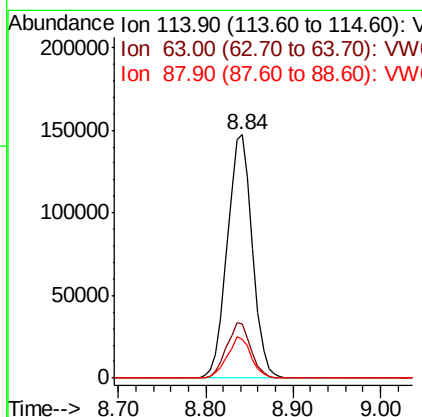
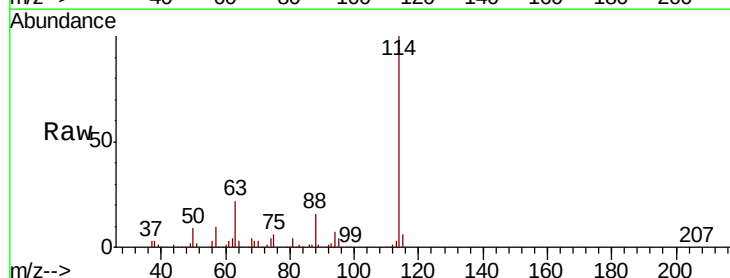
Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB09-7.5-8.0

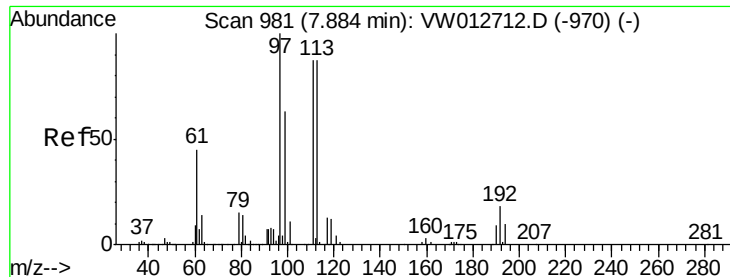
Tgt Ion: 65 Resp: 103628
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

Tgt Ion: 114 Resp: 293414
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.2
 88 15.7 0.0 34.0

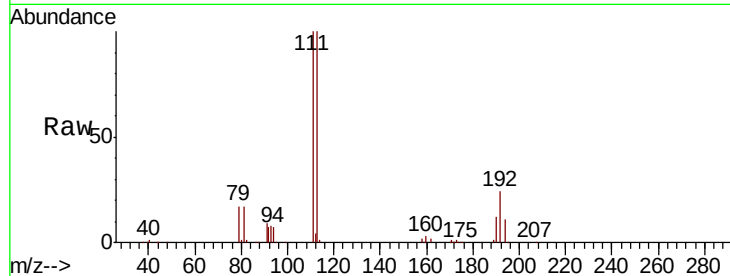




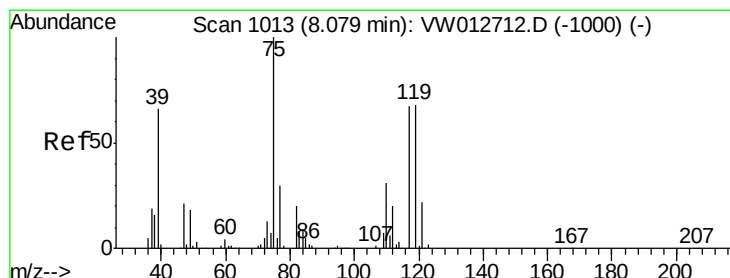
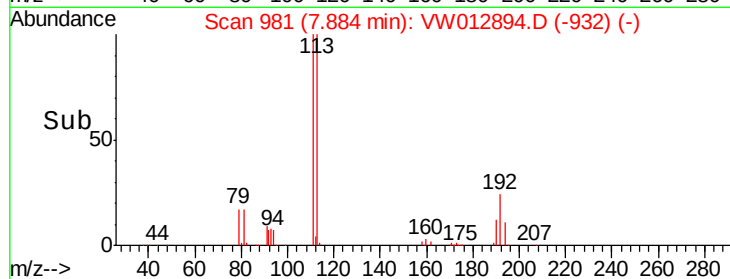
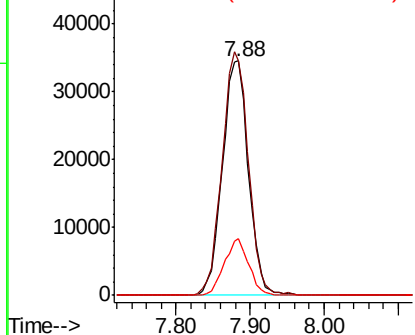
#35
 Dibromofluoromethane
 Concen: 48.383 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB09-7.5-8.0

Tgt Ion:113 Resp: 84401
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.2 120.4
 192 22.7 17.3 25.9

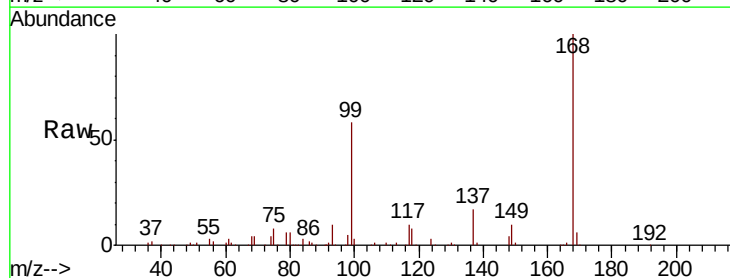


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

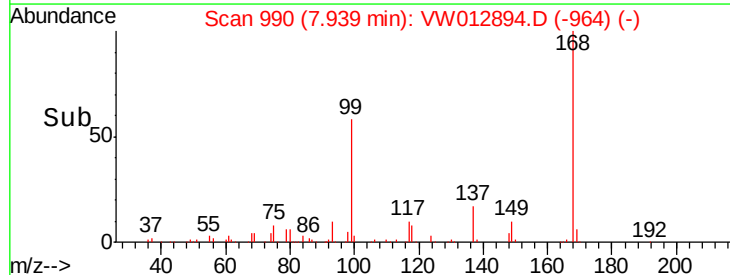
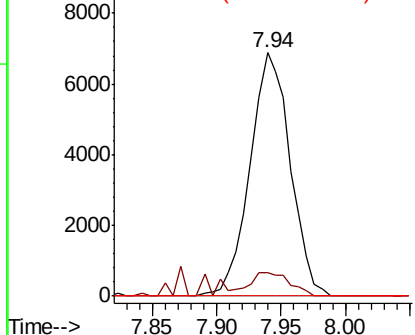


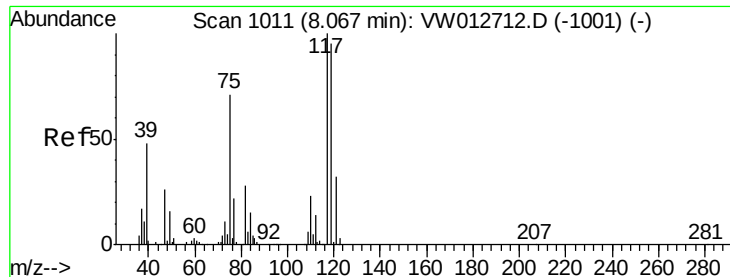
#36
 1,1-Dichloropropene
 Concen: 5.698 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

Tgt Ion: 75 Resp: 14856
 Ion Ratio Lower Upper
 75 100
 110 9.4 15.9 47.7#
 77 0.0 25.0 37.4#



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: 7.312 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

WS-SB09-7.5-8.0

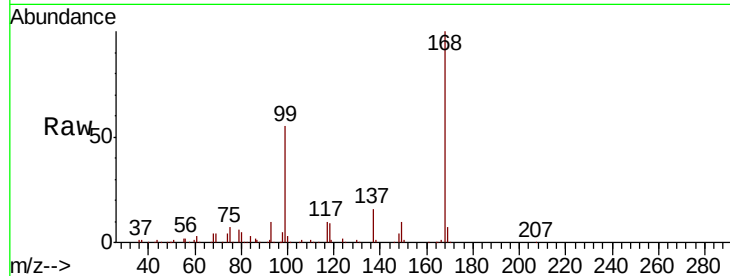
Tgt Ion: 117 Resp: 18790

Ion Ratio Lower Upper

117 100

119 6.8 76.2 114.2#

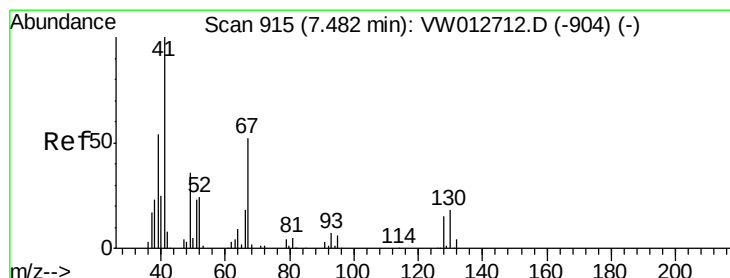
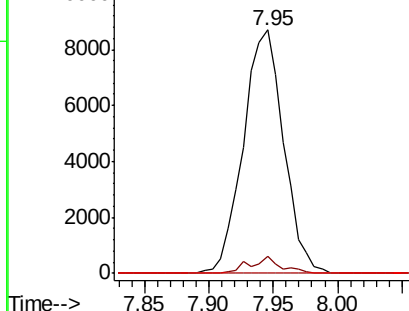
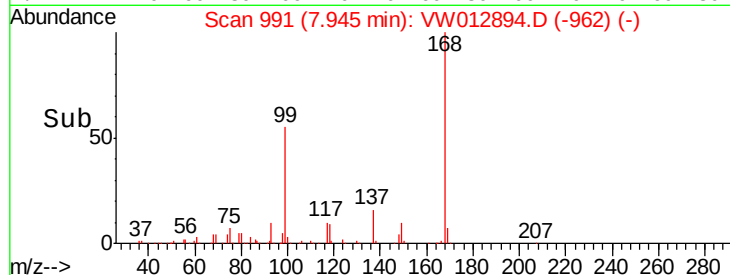
121 0.0 25.4 38.2#



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: 3.910 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Tgt Ion: 41 Resp: 87

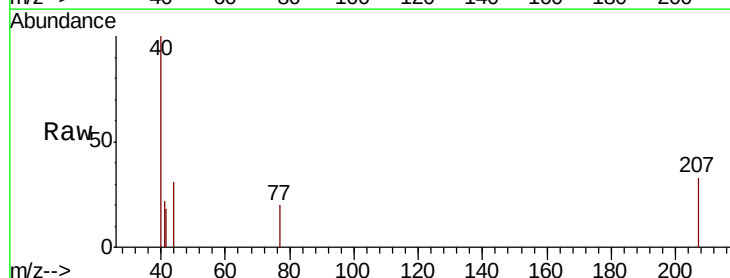
Ion Ratio Lower Upper

41 100

39 26.4 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

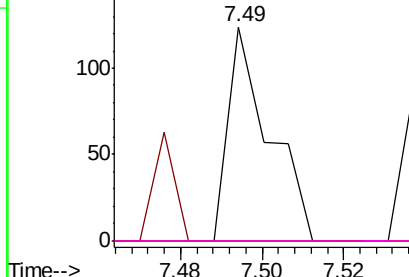
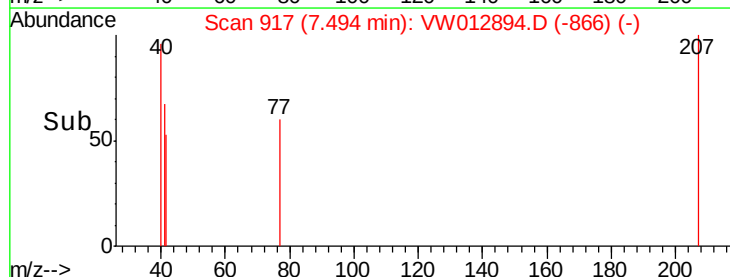


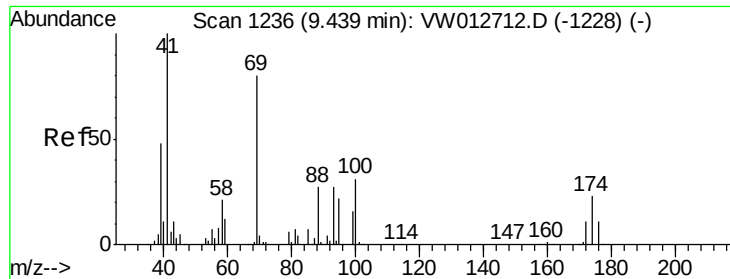
Abundance Ion 41.00 (40.70 to 41.70): VW

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

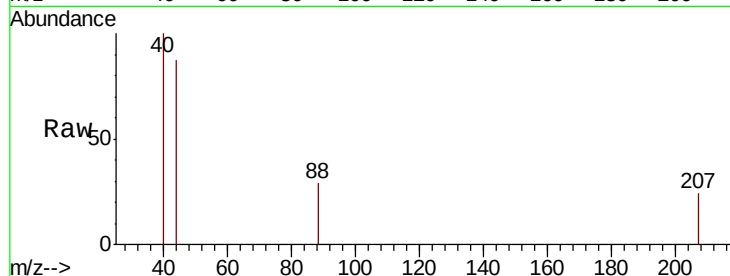




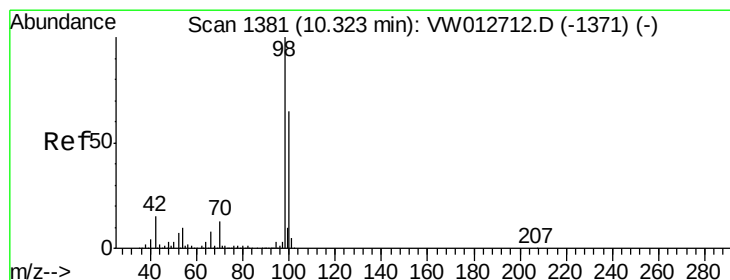
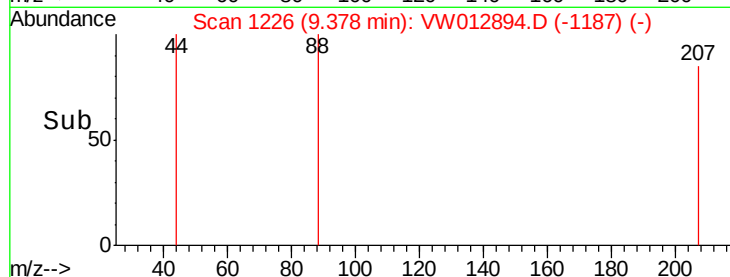
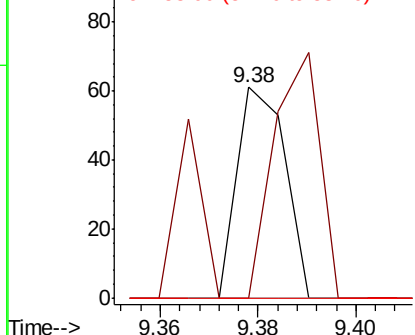
#49
1,4-Dioxane
Concen: 2.238 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.06 min
Lab File: VW012894.D
Acq: 11 Sep 2019 03:12

Instrument :
MSVOA_W
ClientSampleId :
WS-SB09-7.5-8.0

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 45.2 34.8 52.2
58 0.0 64.1 96.1#

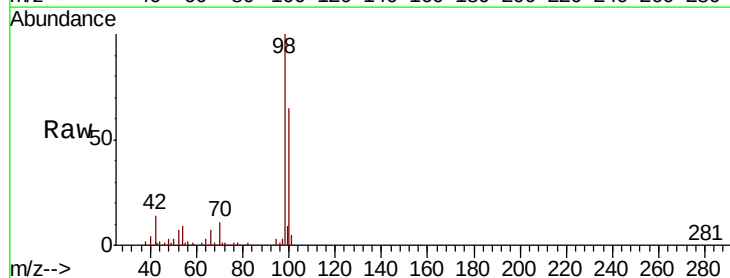


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

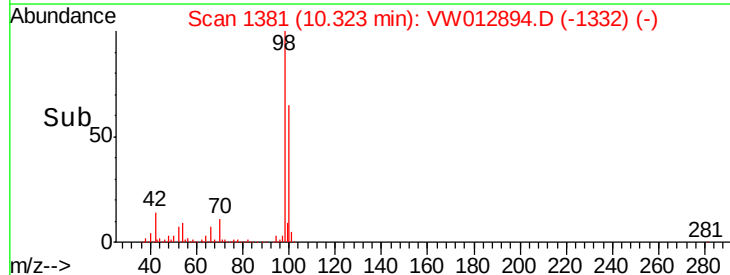
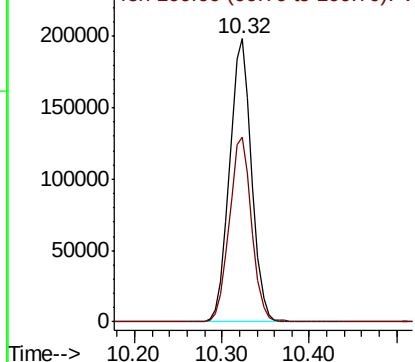


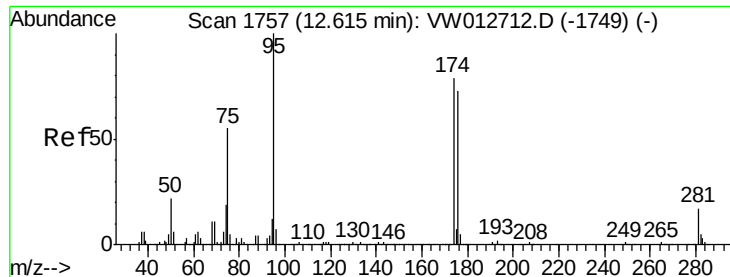
#50
Toluene-d8
Concen: 50.832 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012894.D
Acq: 11 Sep 2019 03:12

Tgt Ion: 98 Resp: 347397
Ion Ratio Lower Upper
98 100
100 65.7 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: 41.948 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

WS-SB09-7.5-8.0

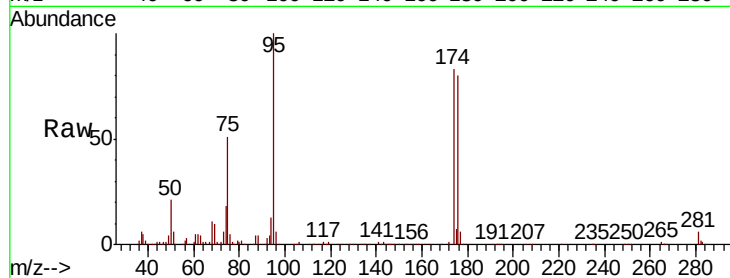
Tgt Ion: 95 Resp: 104076

Ion Ratio Lower Upper

95 100

174 84.2 0.0 161.0

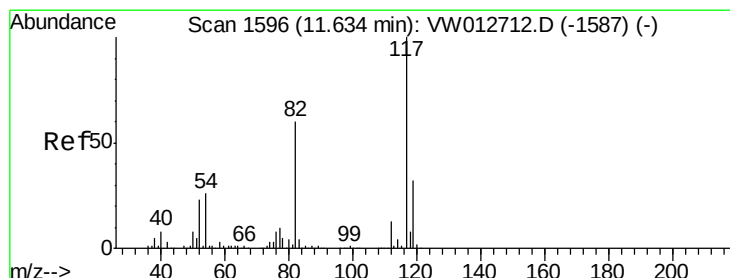
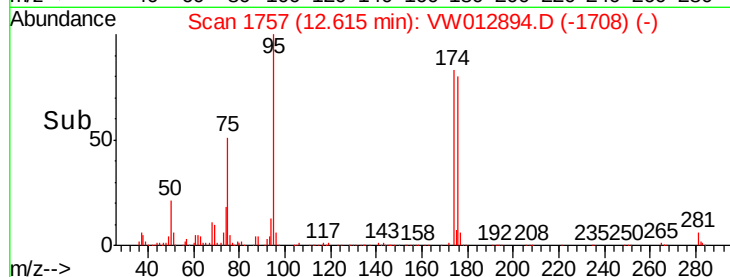
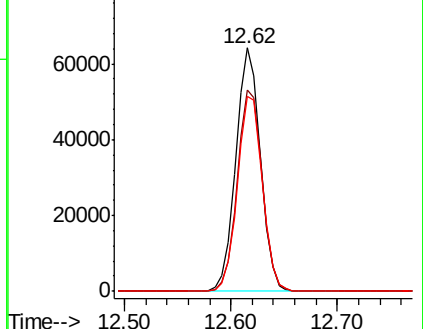
176 81.7 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

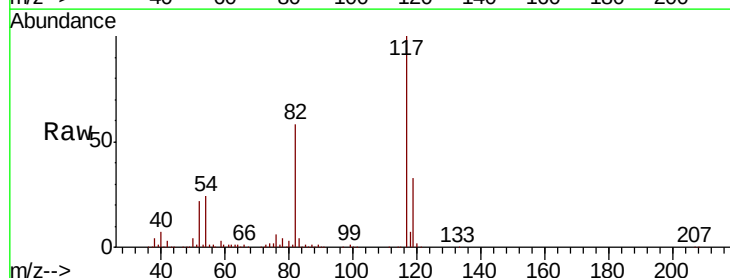
Tgt Ion: 117 Resp: 243112

Ion Ratio Lower Upper

117 100

82 57.6 48.2 72.4

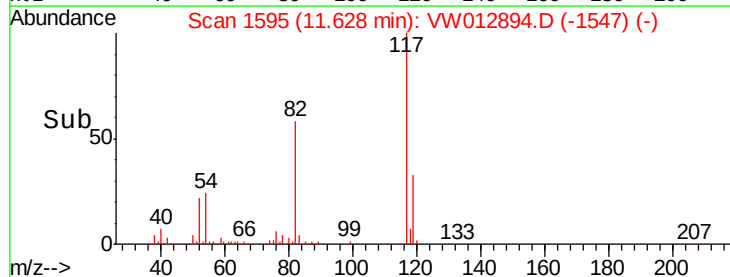
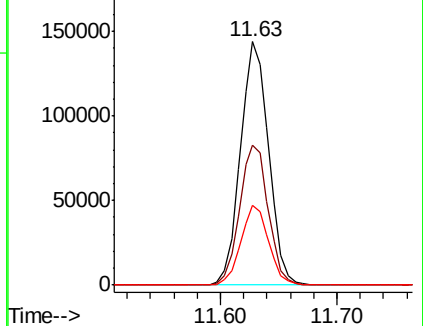
119 32.8 25.8 38.6

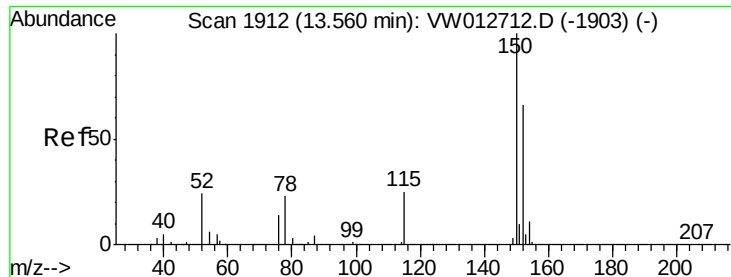


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012894.D

Acq: 11 Sep 2019 03:12

Instrument :

MSVOA_W

ClientSampleId :

WS-SB09-7.5-8.0

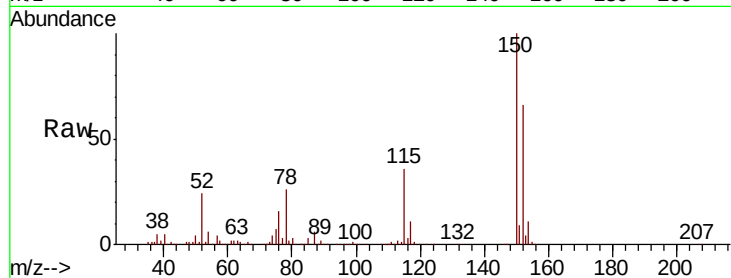
Tgt Ion: 152 Resp: 94263

Ion Ratio Lower Upper

152 100

115 57.5 30.0 90.1

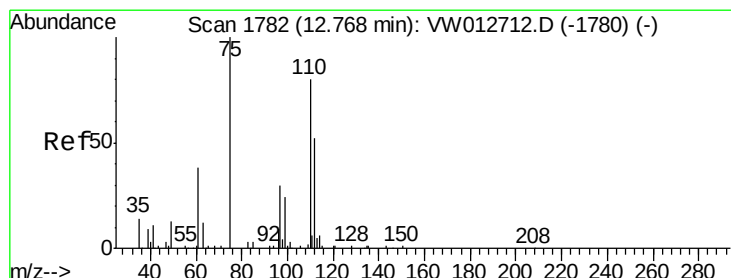
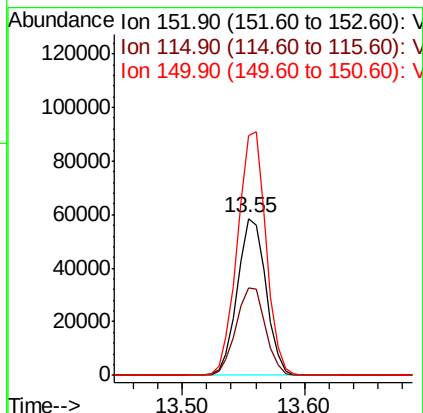
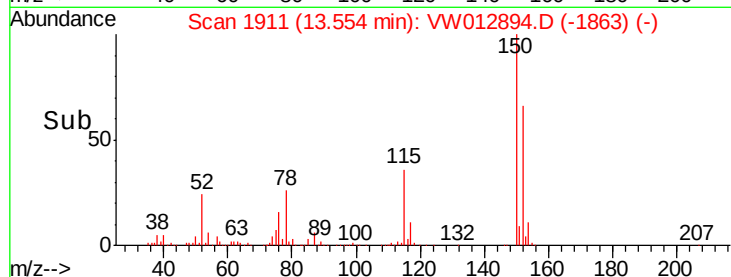
150 155.2 0.0 349.0



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: 56.425 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012894.D

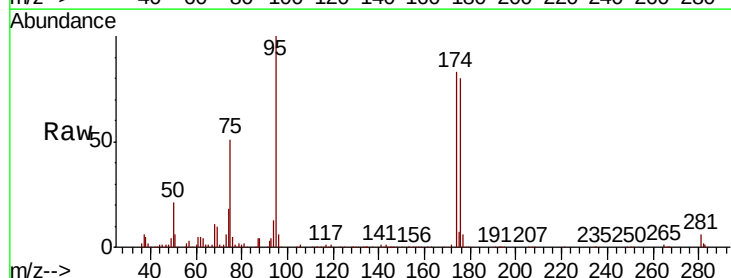
Acq: 11 Sep 2019 03:12

Tgt Ion: 75 Resp: 54387

Ion Ratio Lower Upper

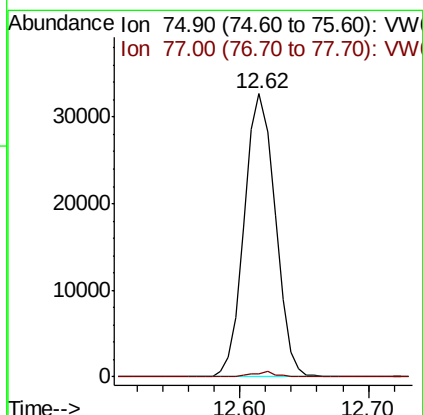
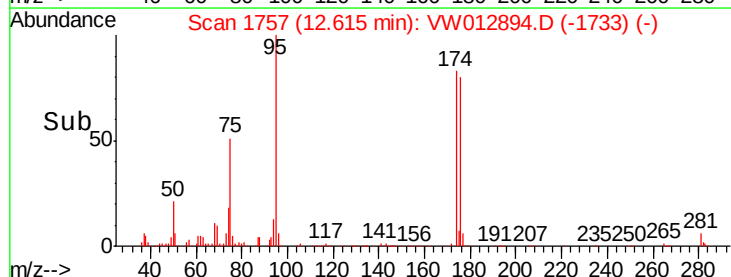
75 100

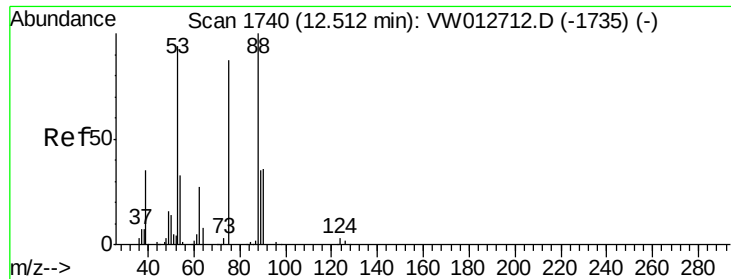
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

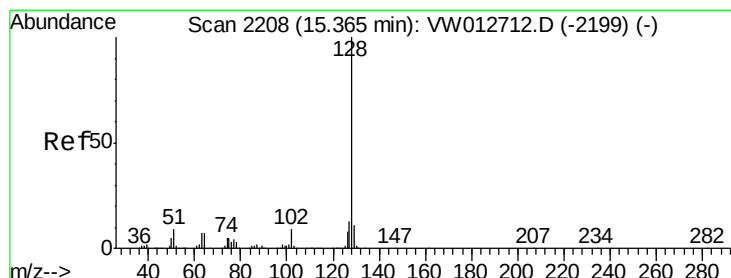
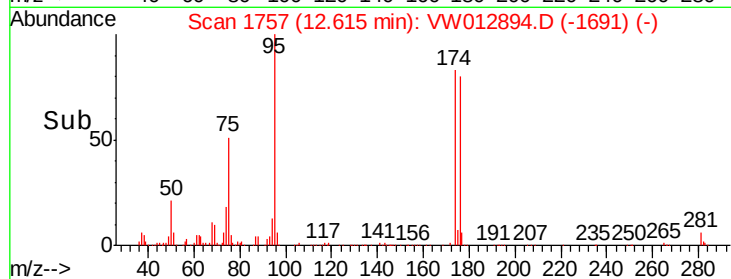
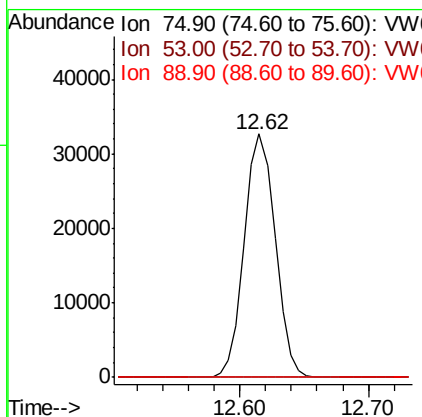
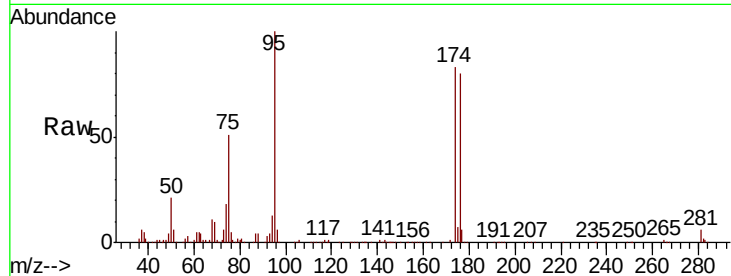




#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.343 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

Instrument :
 MSVOA_W
 ClientSampleId :
 WS-SB09-7.5-8.0

Tgt Ion: 75 Resp: 54387
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 35.5 53.3#



#95
 Naphthalene
 Concen: 4.469 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012894.D
 Acq: 11 Sep 2019 03:12

Tgt Ion: 128 Resp: 130
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.7 13.1#

