

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
 Data File : VW012749.D
 Acq On : 08 Sep 2019 05:49
 Operator : SY/VA
 Sample : K4554-56
 Misc : 4.92G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5-(8-10)

Quant Time: Sep 09 04:06:06 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	264768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	409677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127824	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	162601	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	
35) Dibromofluoromethane	7.88	113	121842	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.32	98	485701	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	150810	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

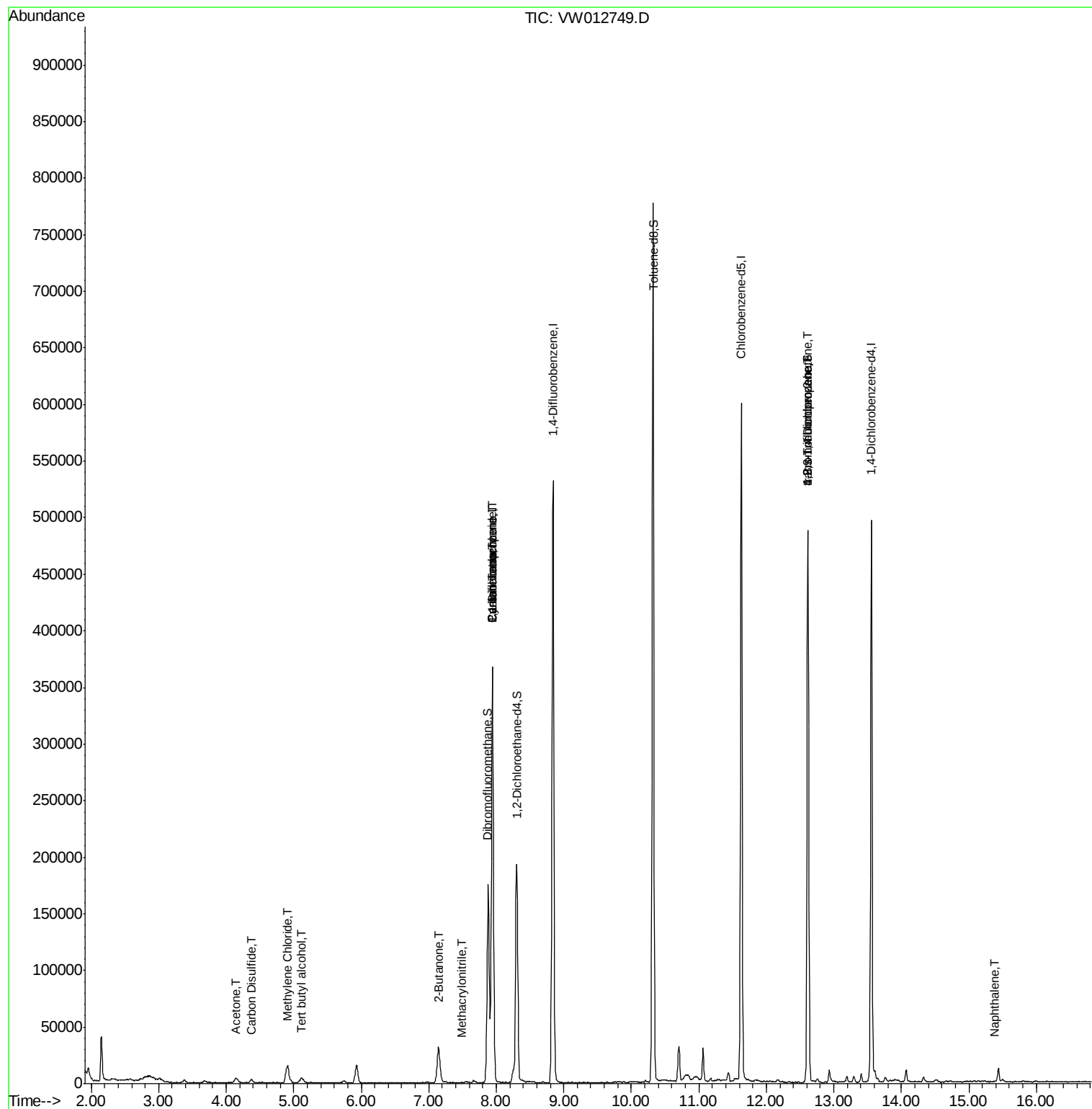
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	4812	21.260	ug/l #	75
16) Acetone	4.14	43	9621	11.929	ug/l	96
17) Carbon Disulfide	4.37	76	5847	1.260	ug/l #	88
20) Methylene Chloride	4.91	84	10634	4.215	ug/l	96
25) 2-Butanone	7.15	43	3007	22.013	ug/l	96
31) Cyclohexane	7.95	56	6368	1.464	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21695	5.960	ug/l #	51
38) Carbon Tetrachloride	7.95	117	26126	7.281	ug/l #	18
41) Methacrylonitrile	7.49	41	52	3.869	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	82246	62.925	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82246	133.090	ug/l #	6
95) Naphthalene	15.38	128	217	4.476	ug/l #	83

(#) = 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: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

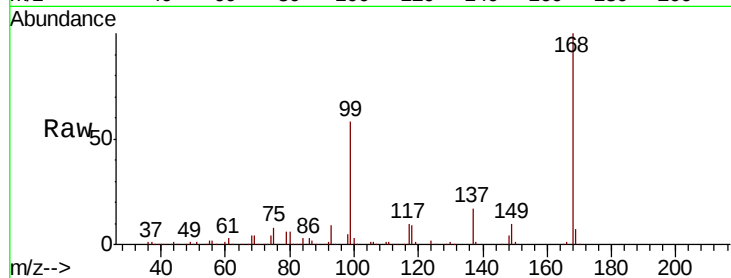
SB-5-(8-10)

Tgt Ion:168 Resp: 264768

Ion Ratio Lower Upper

168 100

99 58.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

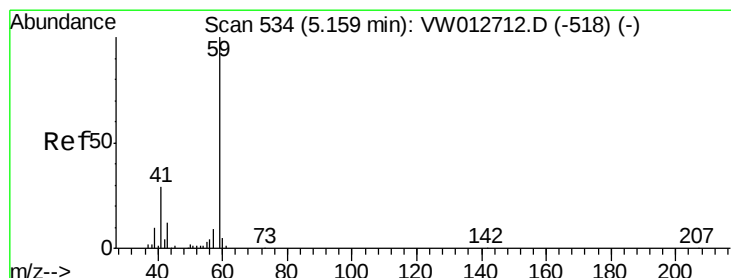
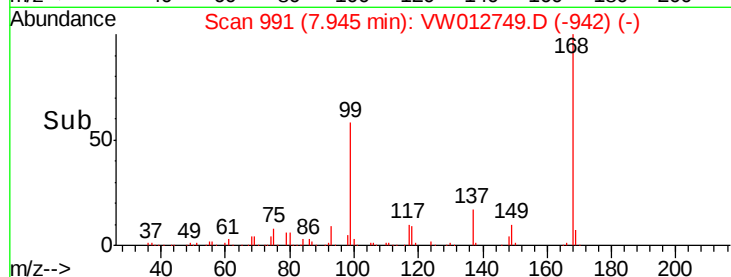
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 21.260 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW012749.D

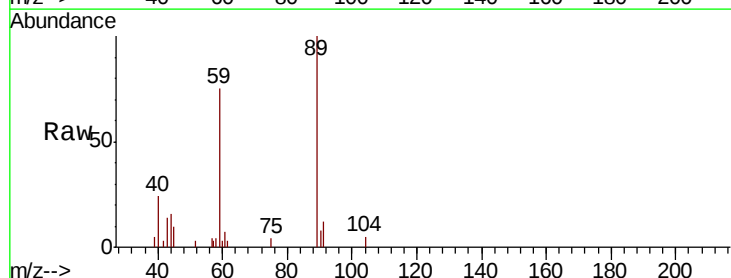
Acq: 08 Sep 2019 05:49

Tgt Ion: 59 Resp: 4812

Ion Ratio Lower Upper

59 100

57 0.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

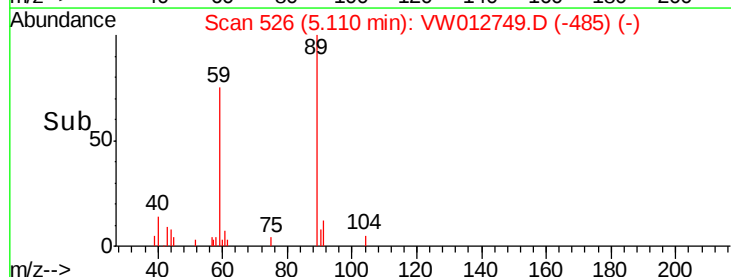
1500

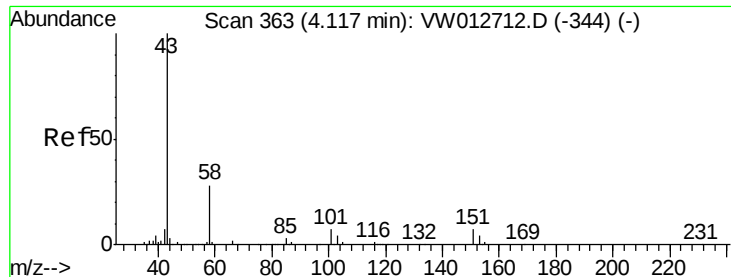
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 11.929 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

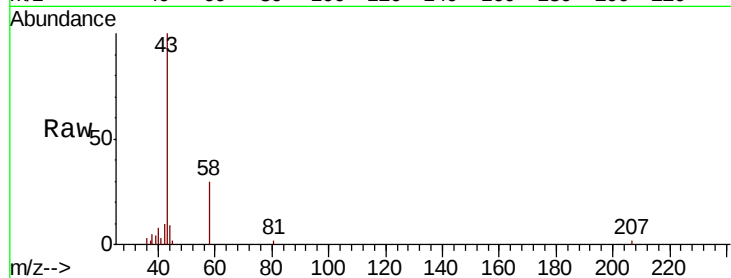
SB-5-(8-10)

Tgt Ion: 43 Resp: 9621

Ion Ratio Lower Upper

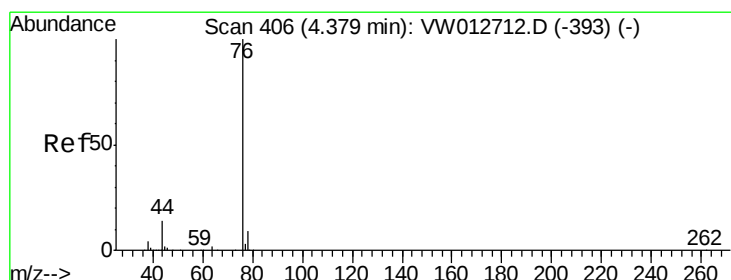
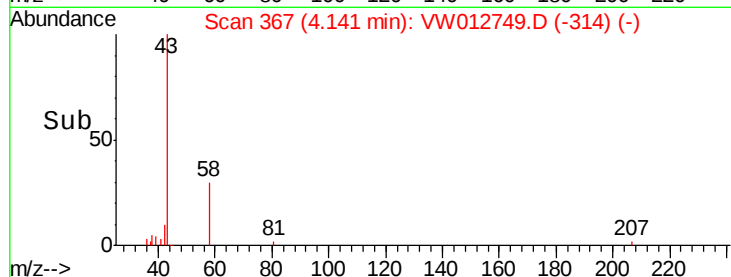
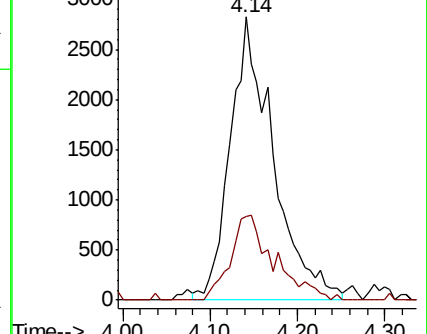
43 100

58 30.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.260 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012749.D

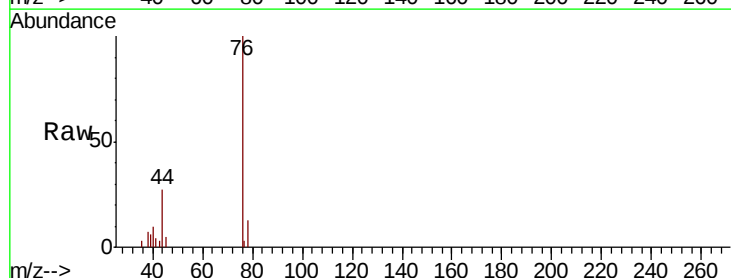
Acq: 08 Sep 2019 05:49

Tgt Ion: 76 Resp: 5847

Ion Ratio Lower Upper

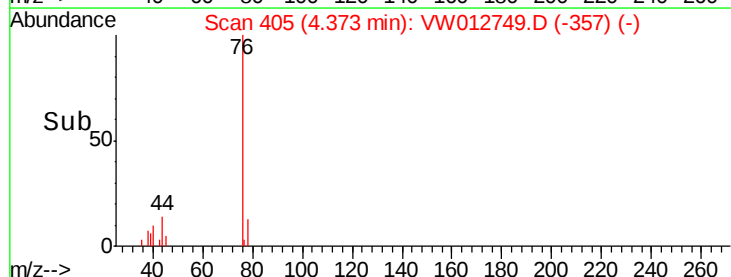
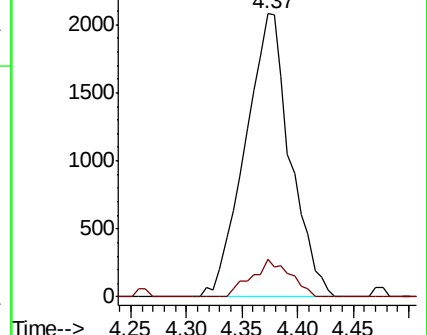
76 100

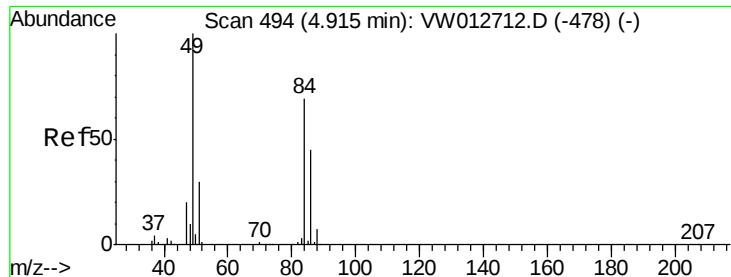
78 13.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

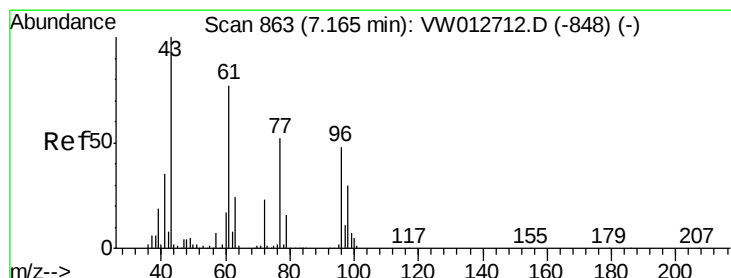
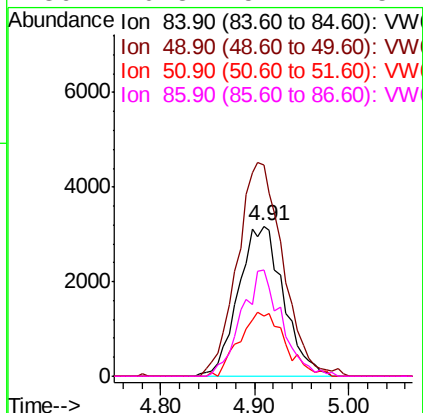
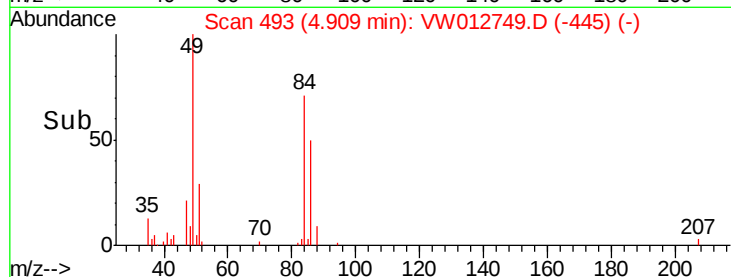
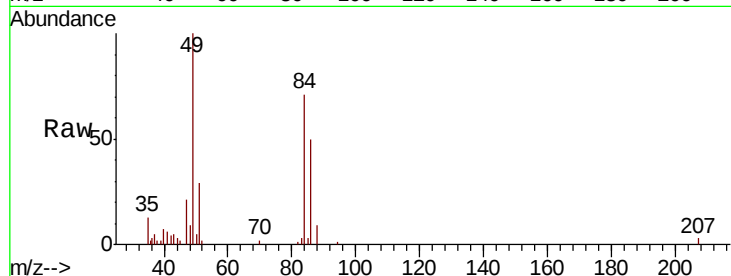




#20
Methylene Chloride
Concen: 4.215 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012749.D
Acq: 08 Sep 2019 05:49

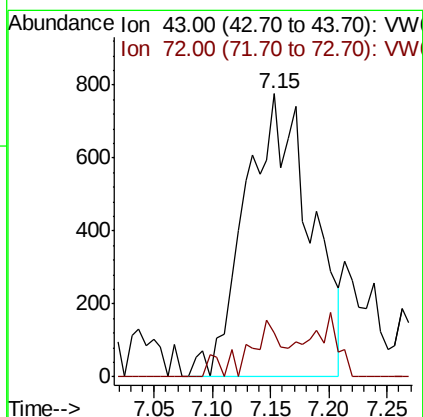
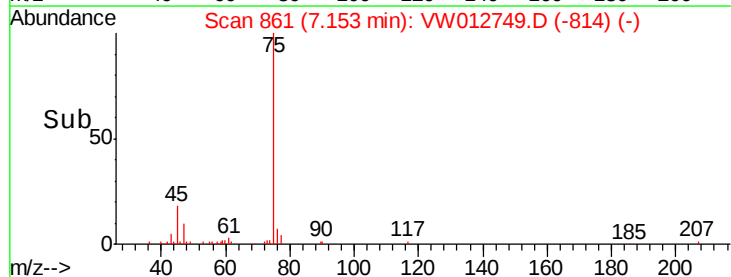
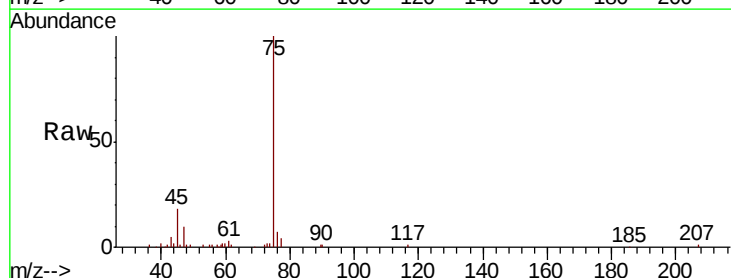
Instrument :
MSVOA_W
ClientSampled :
SB-5-(8-10)

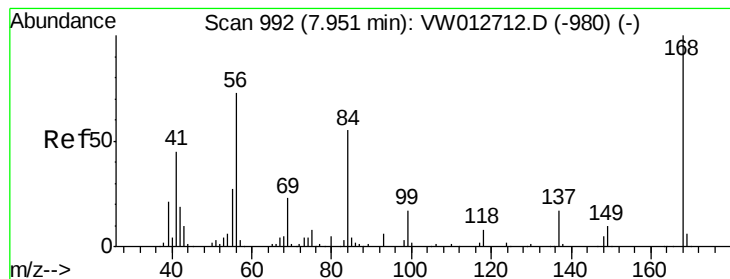
Tgt Ion: 84 Resp: 10634
Ion Ratio Lower Upper
84 100
49 140.9 115.4 173.0
51 40.3 34.9 52.3
86 70.8 52.2 78.4



#25
2-Butanone
Concen: 22.013 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW012749.D
Acq: 08 Sep 2019 05:49

Tgt Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
72 20.5 18.0 27.0





#31

Cyclohexane

Concen: 1.464 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampled :

SB-5-(8-10)

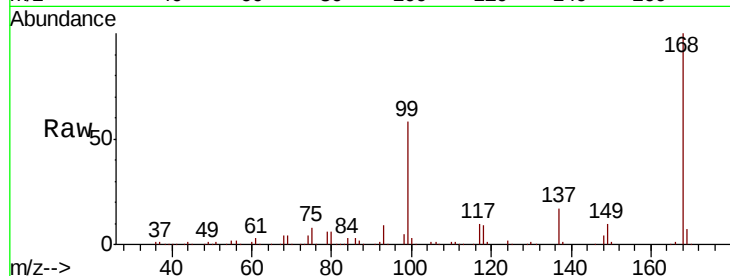
Tgt Ion: 56 Resp: 6368

Ion Ratio Lower Upper

56 100

69 149.0 25.7 38.5#

84 115.0 60.4 90.6#

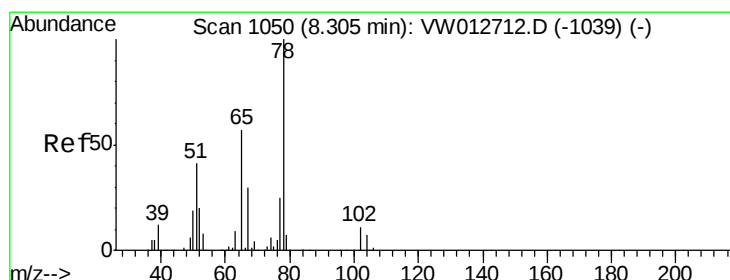
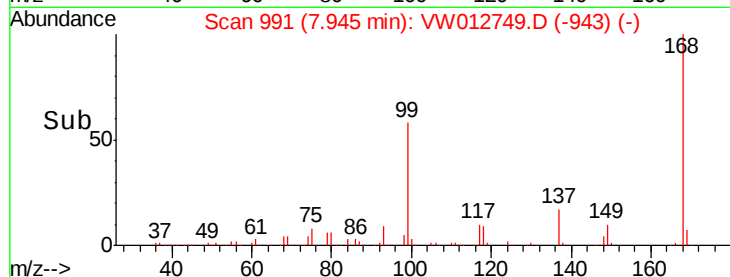
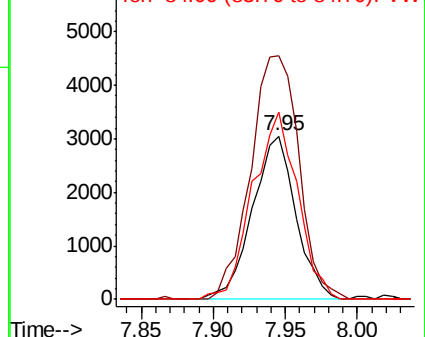


Abundance

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: 54.964 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012749.D

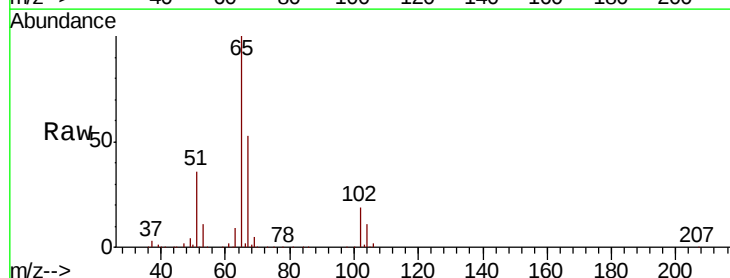
Acq: 08 Sep 2019 05:49

Tgt Ion: 65 Resp: 162601

Ion Ratio Lower Upper

65 100

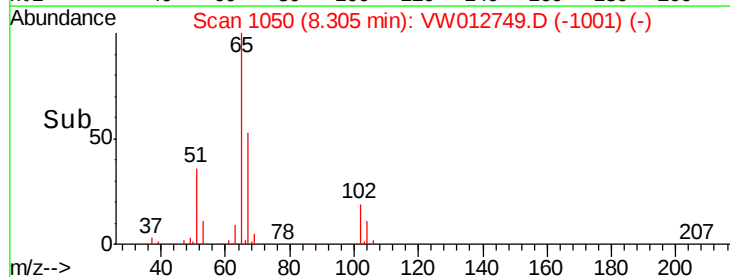
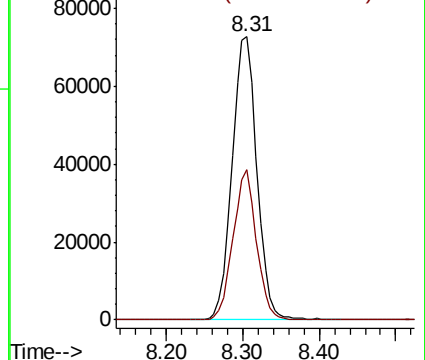
67 50.2 0.0 101.8

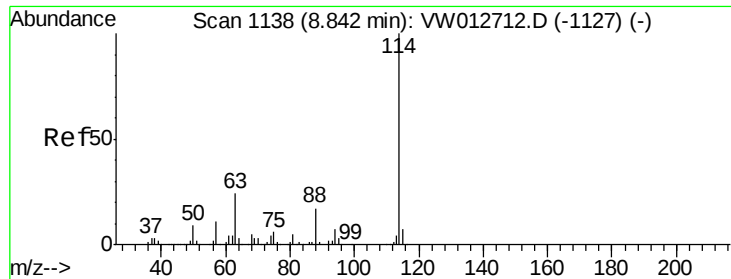


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

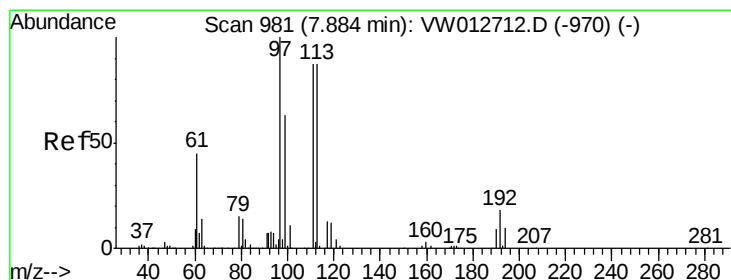
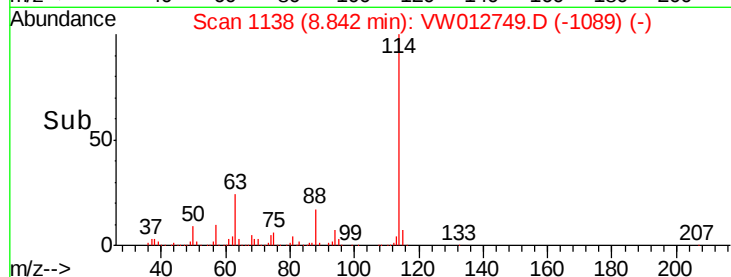
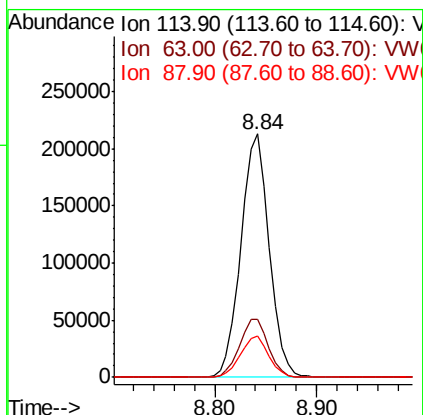
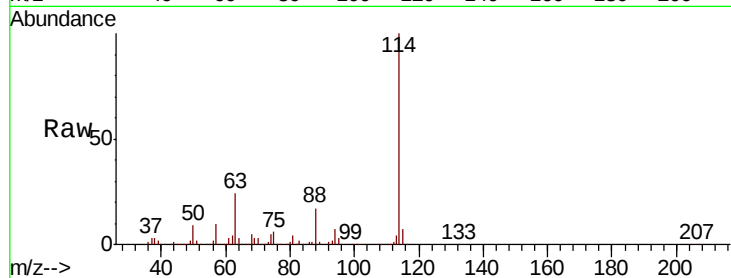




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012749.D
 Acq: 08 Sep 2019 05:49

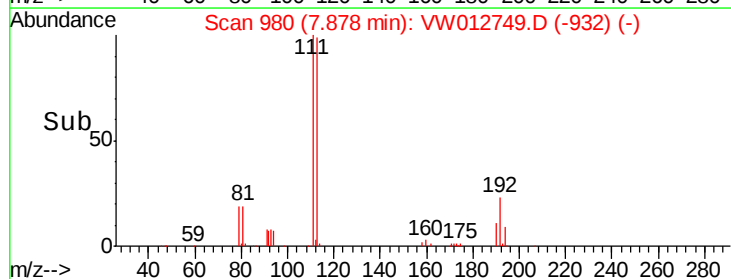
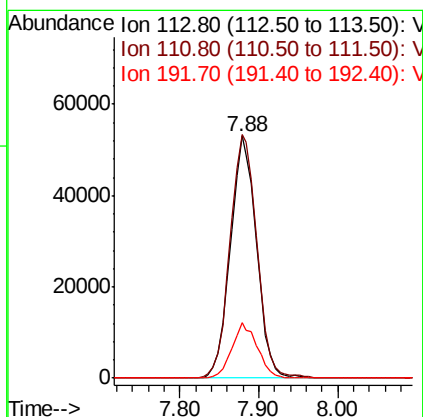
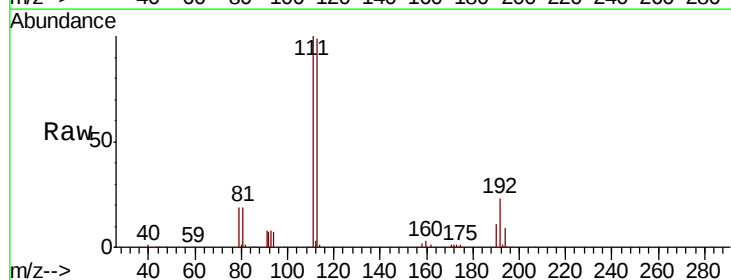
Instrument :
 MSVOA_W
 ClientSampled :
 SB-5-(8-10)

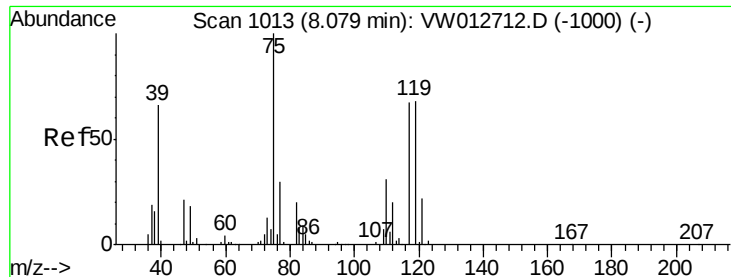
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.2
88	17.1	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 50.025 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012749.D
 Acq: 08 Sep 2019 05:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	80.2	120.4
192	22.1	17.3	25.9

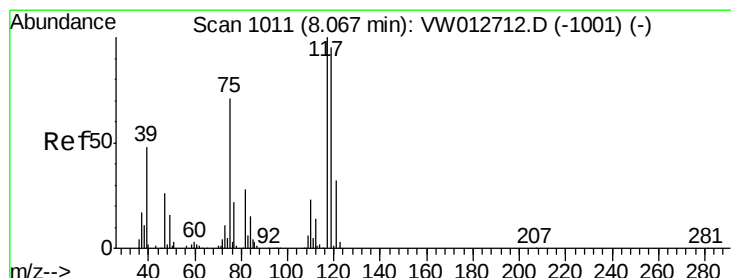
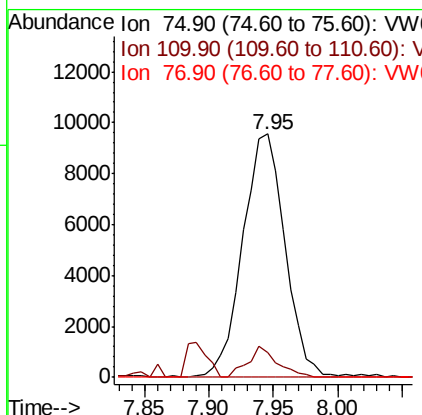
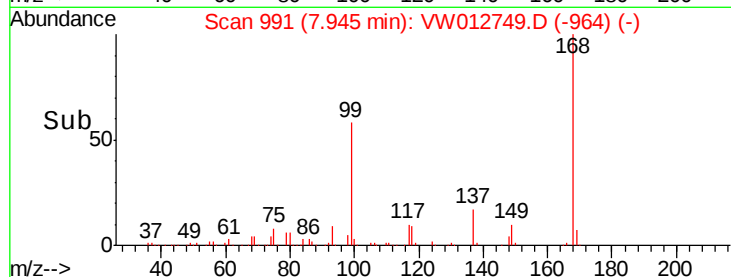
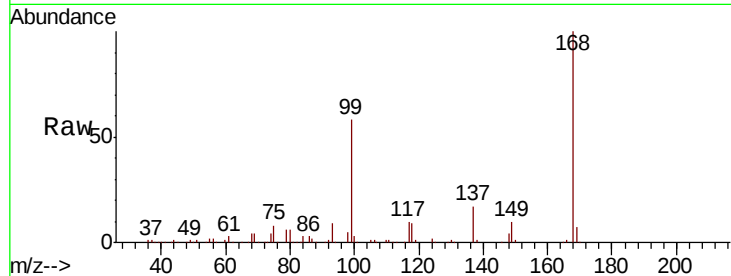




#36
 1,1-Dichloropropene
 Concen: 5.960 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012749.D
 Acq: 08 Sep 2019 05:49

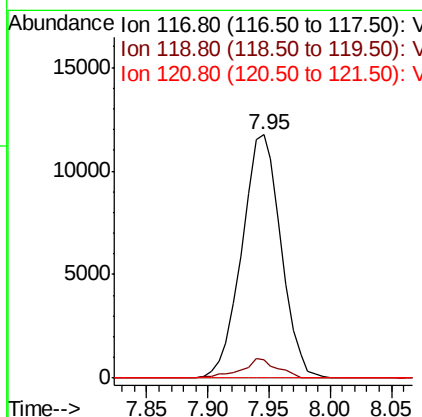
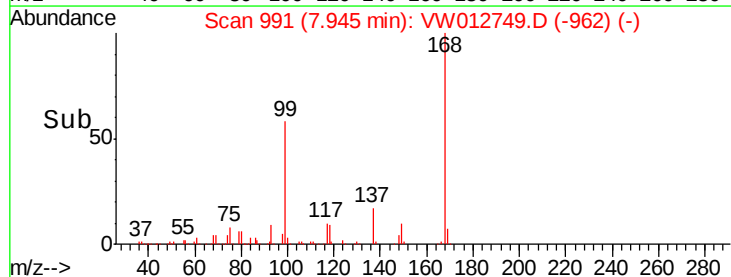
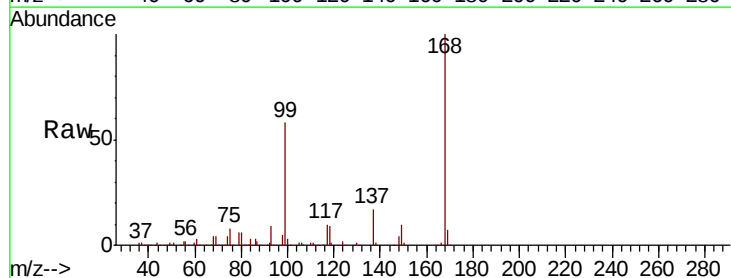
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-5-(8-10)

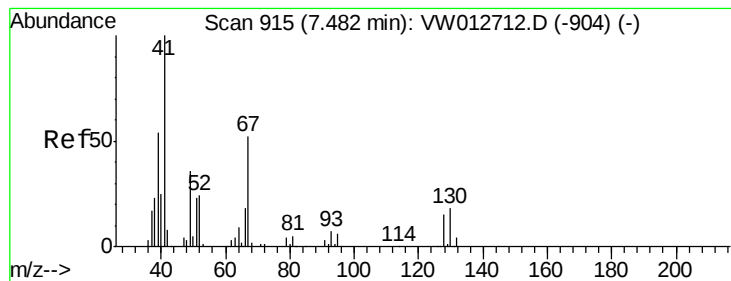
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.281 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012749.D
 Acq: 08 Sep 2019 05:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.6	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 3.869 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

SB-5-(8-10)

Tgt Ion: 41 Resp: 52

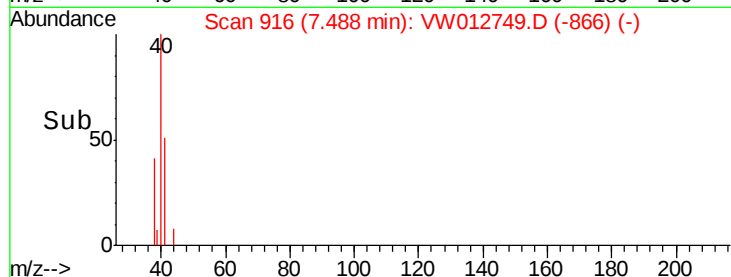
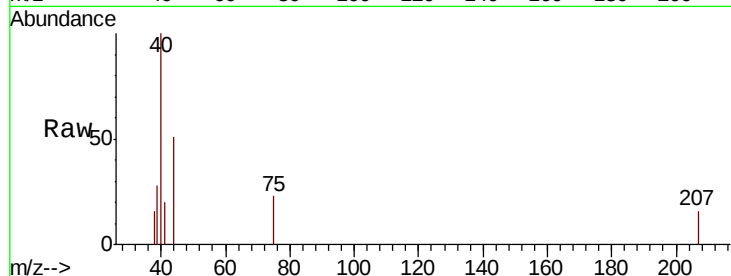
Ion Ratio Lower Upper

41 100

39 194.2 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

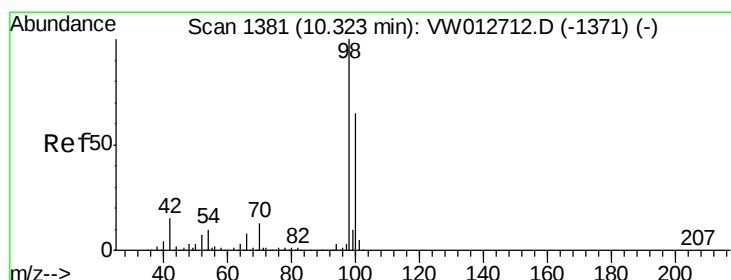
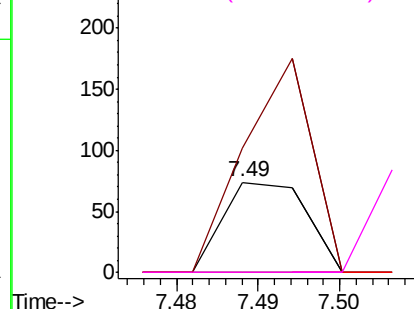


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#50

Toluene-d8

Concen: 50.900 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012749.D

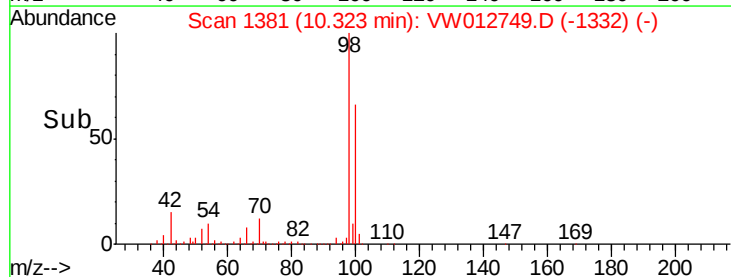
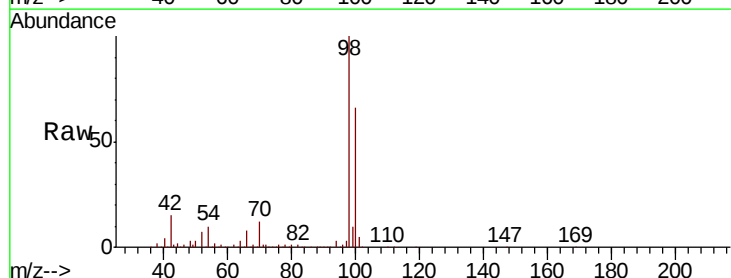
Acq: 08 Sep 2019 05:49

Tgt Ion: 98 Resp: 485701

Ion Ratio Lower Upper

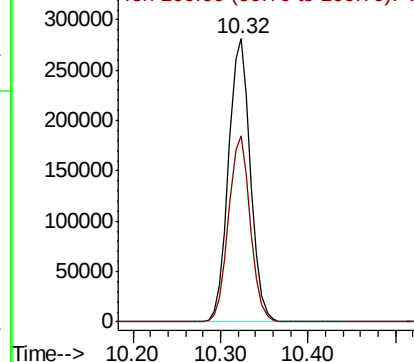
98 100

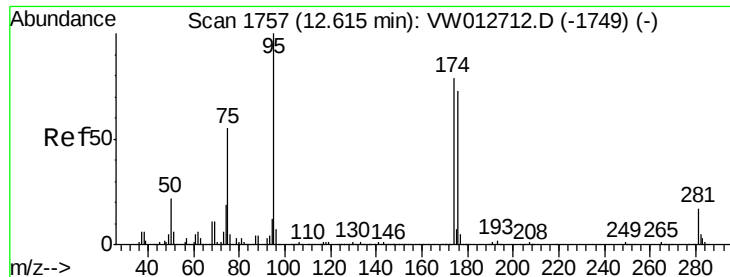
100 65.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.535 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

SB-5-(8-10)

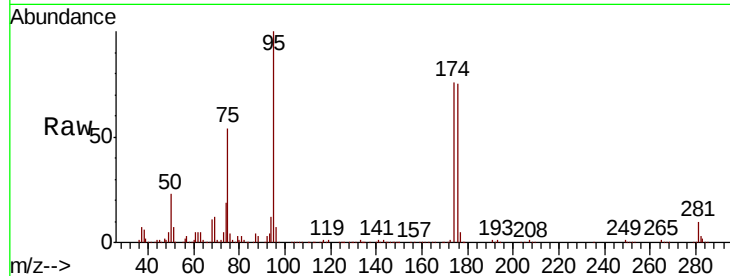
Tgt Ion: 95 Resp: 150810

Ion Ratio Lower Upper

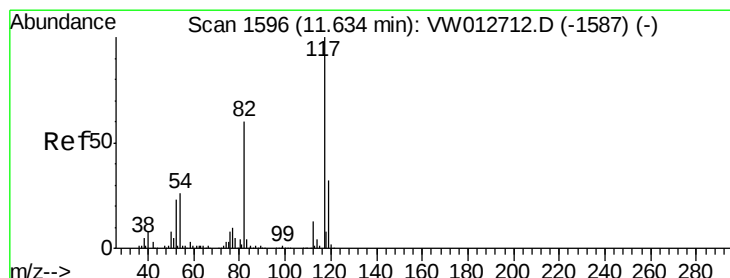
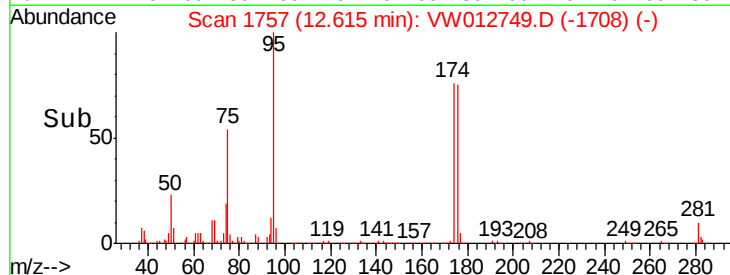
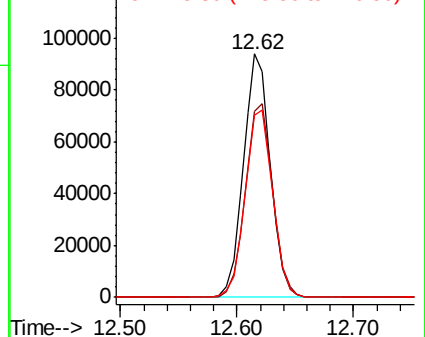
95 100

174 81.4 0.0 161.0

176 79.3 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: VW012749.D

Acq: 08 Sep 2019 05:49

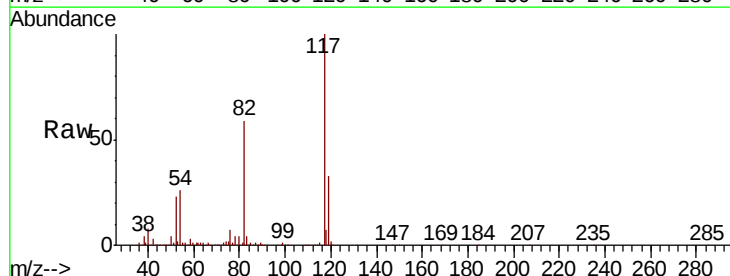
Tgt Ion: 117 Resp: 316936

Ion Ratio Lower Upper

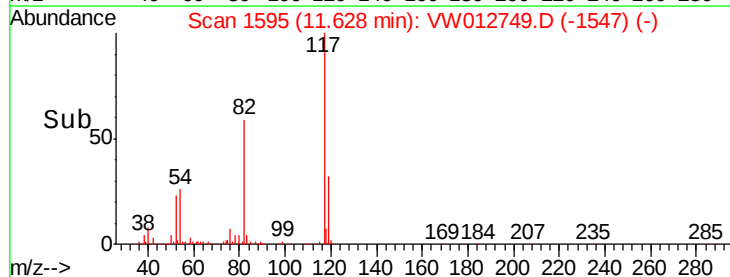
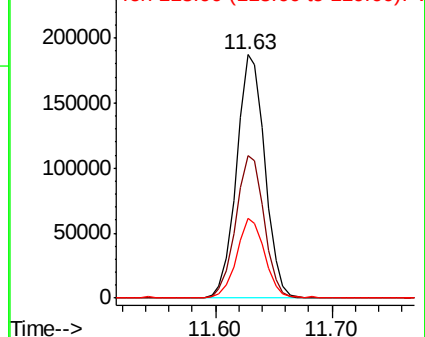
117 100

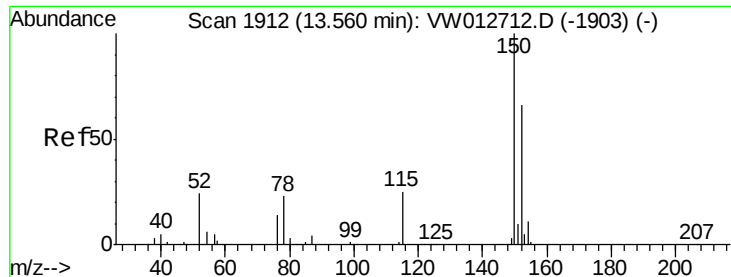
82 58.6 48.2 72.4

119 32.3 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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

SB-5-(8-10)

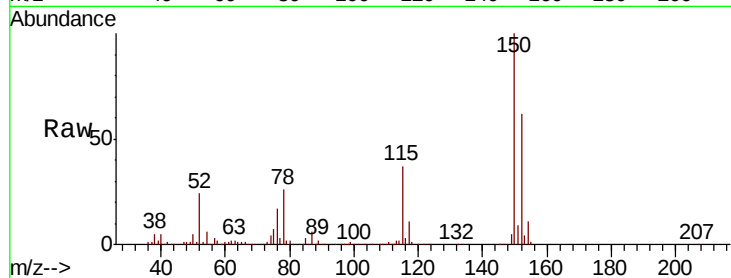
Tgt Ion:152 Resp: 127824

Ion Ratio Lower Upper

152 100

115 59.9 30.0 90.1

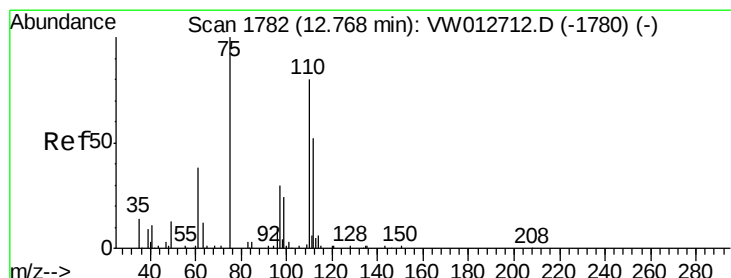
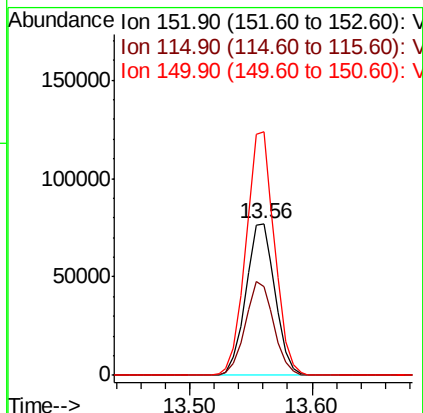
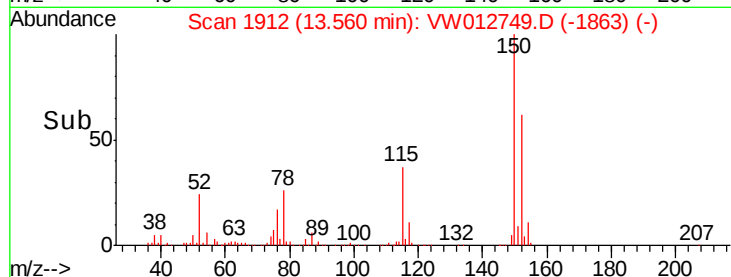
150 156.8 0.0 349.0



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: 62.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012749.D

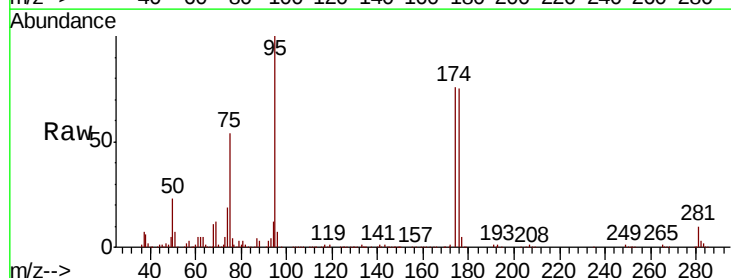
Acq: 08 Sep 2019 05:49

Tgt Ion: 75 Resp: 82246

Ion Ratio Lower Upper

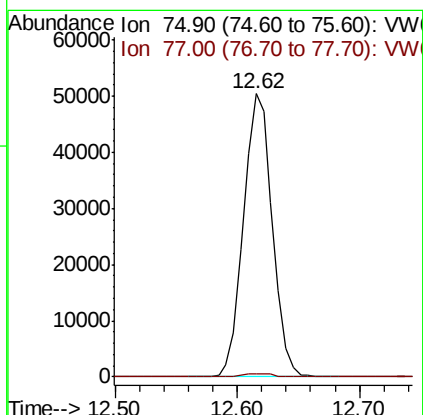
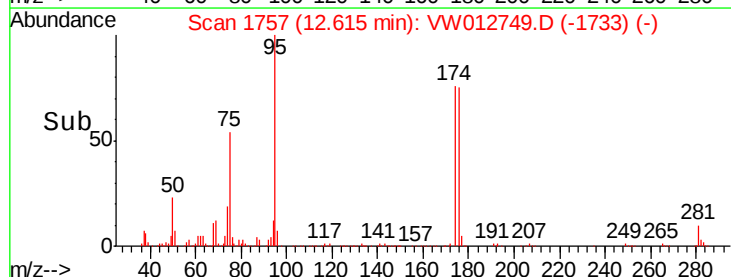
75 100

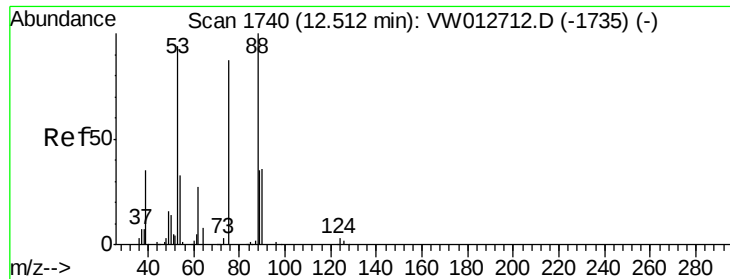
77 1.4 0.0 0.0#



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: 133.090 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

Instrument :

MSVOA_W

ClientSampleId :

SB-5-(8-10)

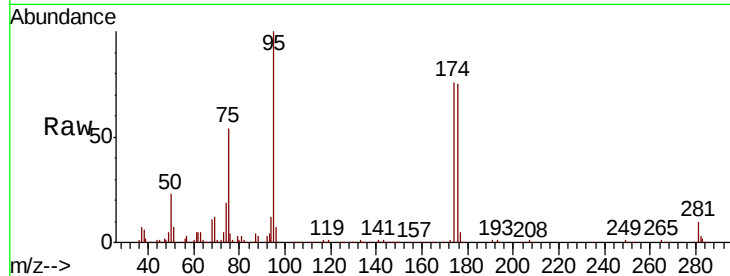
Tgt Ion: 75 Resp: 82246

Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

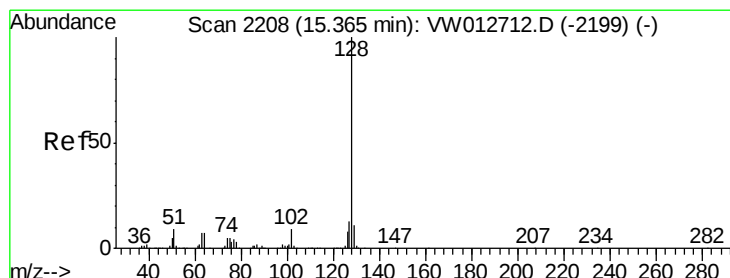
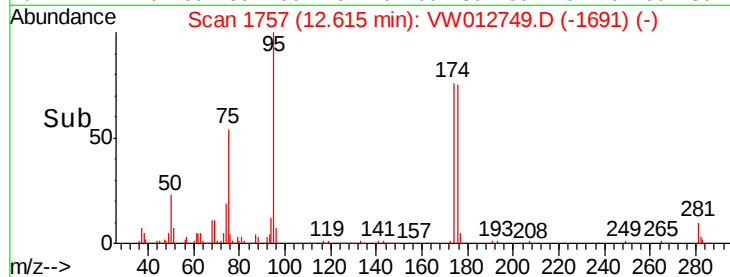
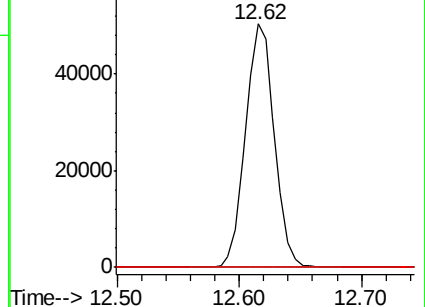
89 0.0 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.476 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012749.D

Acq: 08 Sep 2019 05:49

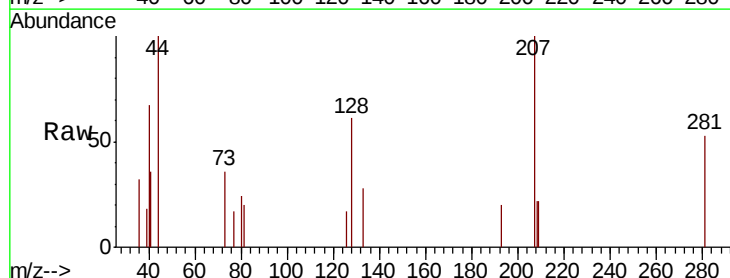
Tgt Ion: 128 Resp: 217

Ion Ratio Lower Upper

128 100

127 10.1 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

