

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012877.D
 Acq On : 10 Sep 2019 18:07
 Operator : SY/VA
 Sample : K4692-11
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-25-7.5-8.0

Quant Time: Sep 11 08:18:58 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	213113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	92026	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	109272	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
35) Dibromofluoromethane	7.88	113	92624	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.32	98	367076	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.62	95	105700	39.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.86%	

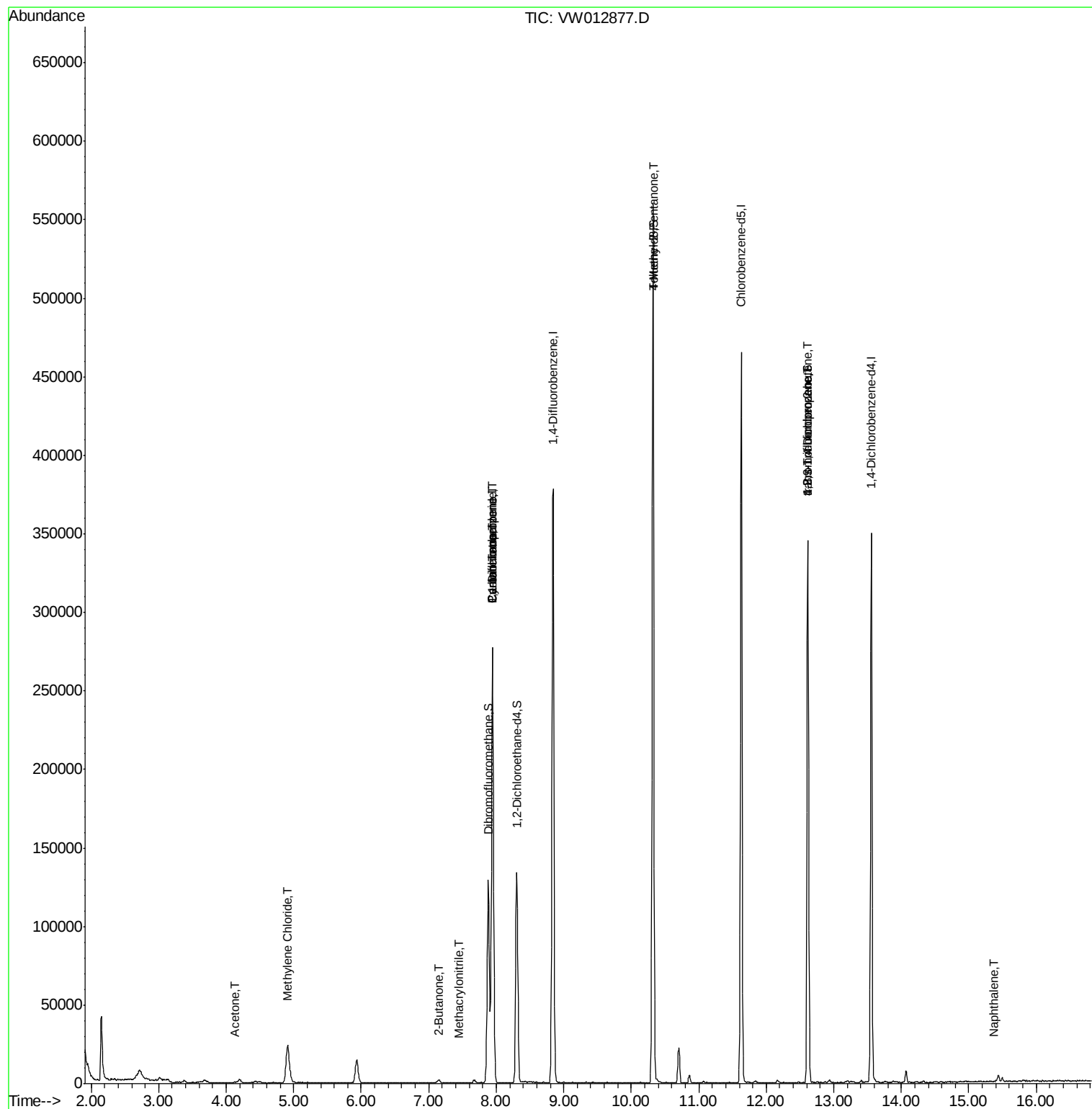
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	1541	2.374	ug/l #	88
20) Methylene Chloride	4.91	84	19750	9.725	ug/l	84
25) 2-Butanone	7.15	43	132	19.807	ug/l #	53
31) Cyclohexane	7.95	56	4508	1.288	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16033	5.691	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19630	7.069	ug/l #	18
41) Methacrylonitrile	7.46	41	20	3.854	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	2030	1.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	54545	57.965	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54545	122.599	ug/l #	6
95) Naphthalene	15.36	128	64	4.454	ug/l #	69

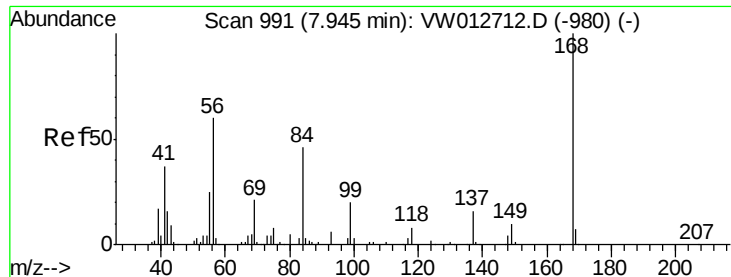
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

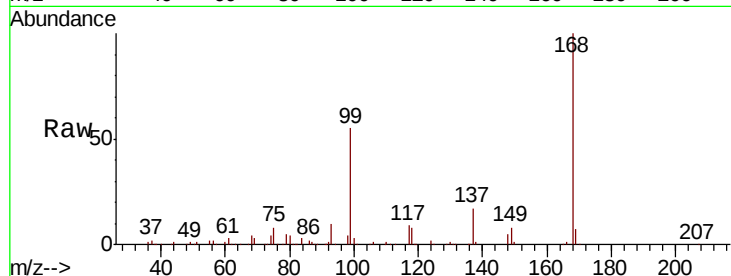
SB-25-7.5-8.0

Tgt Ion:168 Resp: 213113

Ion Ratio Lower Upper

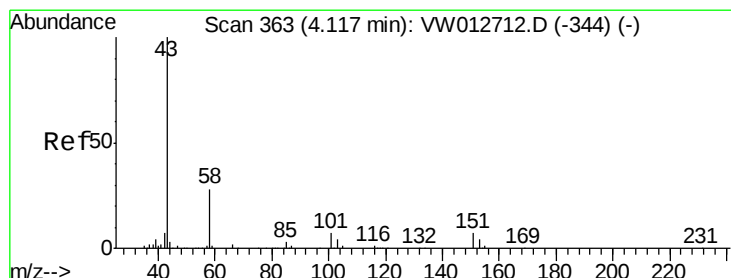
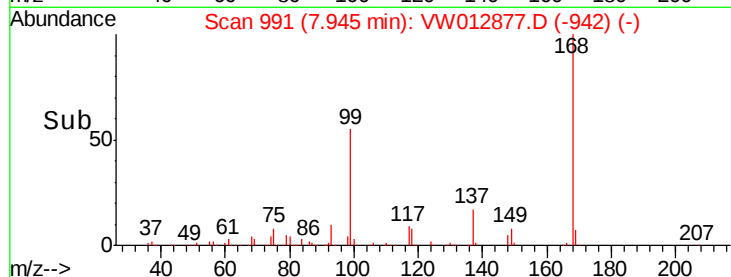
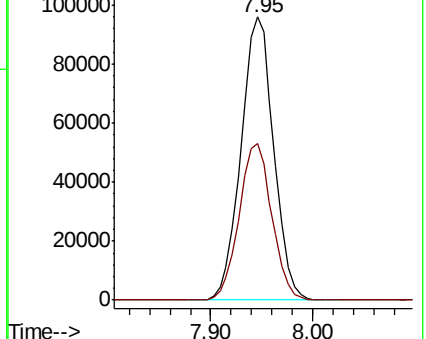
168 100

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



#16

Acetone

Concen: 2.374 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012877.D

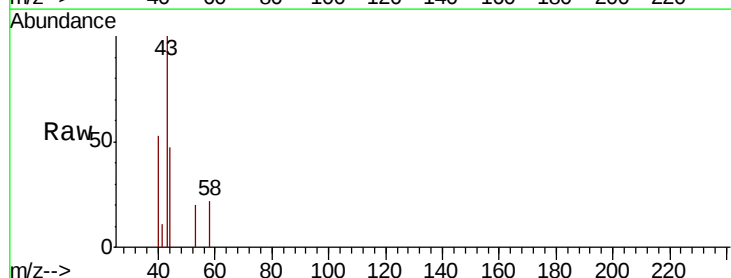
Acq: 10 Sep 2019 18:07

Tgt Ion: 43 Resp: 1541

Ion Ratio Lower Upper

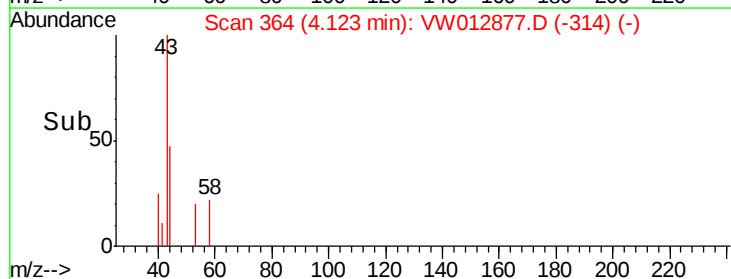
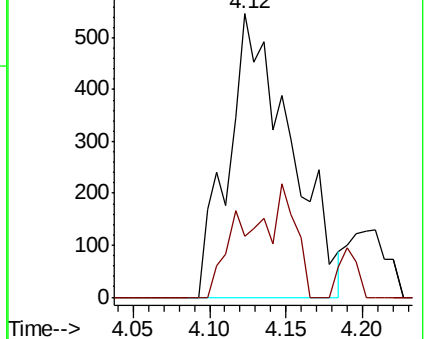
43 100

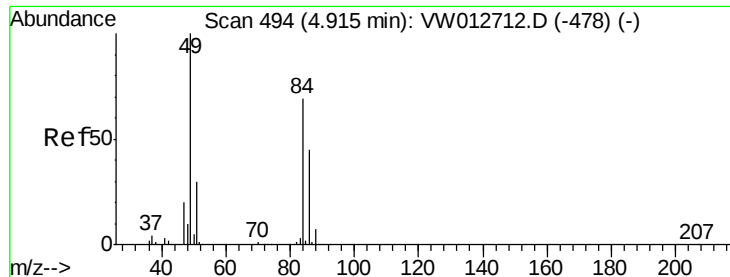
58 21.6 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

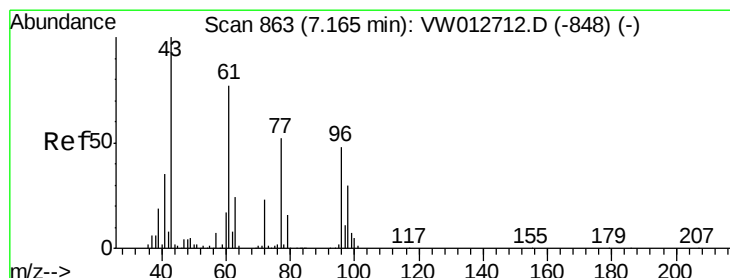
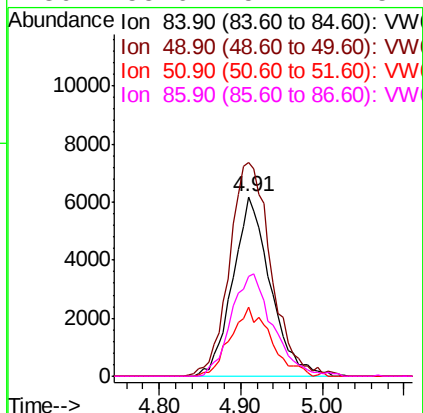
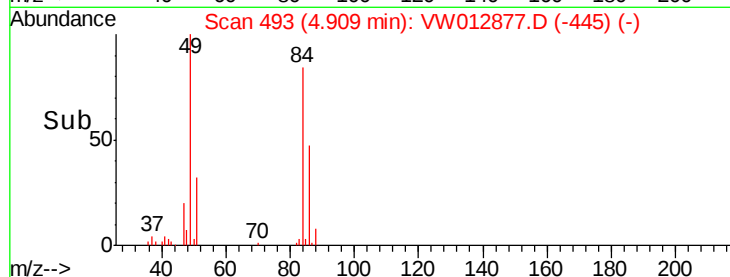
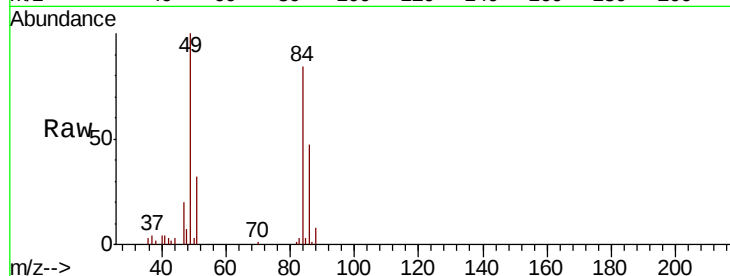




#20
Methylene Chloride
Concen: 9.725 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012877.D
Acq: 10 Sep 2019 18:07

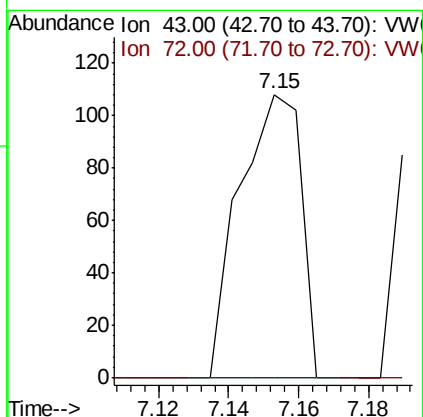
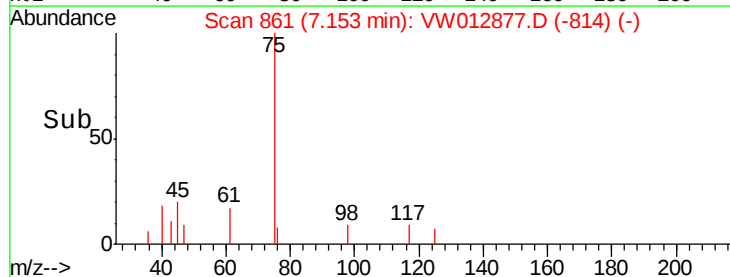
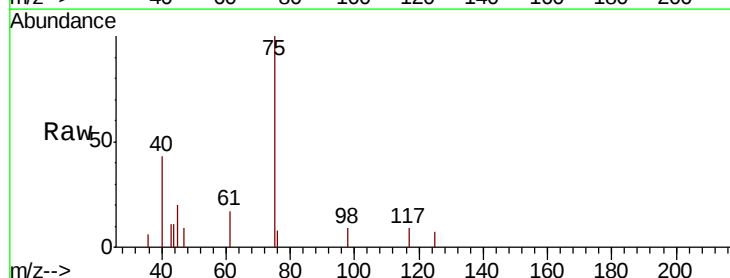
Instrument :
MSVOA_W
ClientSampleId :
SB-25-7.5-8.0

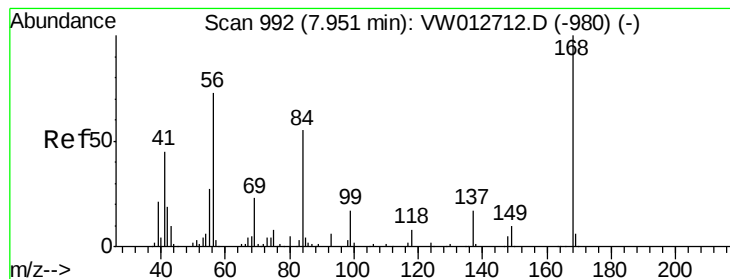
Tgt Ion:	84	Resp:	19750
Ion	Ratio	Lower	Upper
84	100		
49	118.1	115.4	173.0
51	38.6	34.9	52.3
86	55.6	52.2	78.4



#25
2-Butanone
Concen: 19.807 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW012877.D
Acq: 10 Sep 2019 18:07

Tgt Ion:	43	Resp:	132
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.0	27.0#





#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

SB-25-7.5-8.0

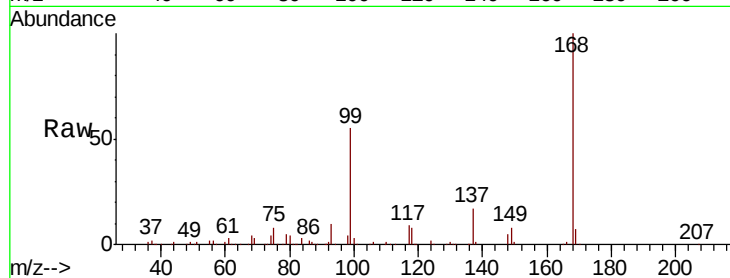
Tgt Ion: 56 Resp: 4508

Ion Ratio Lower Upper

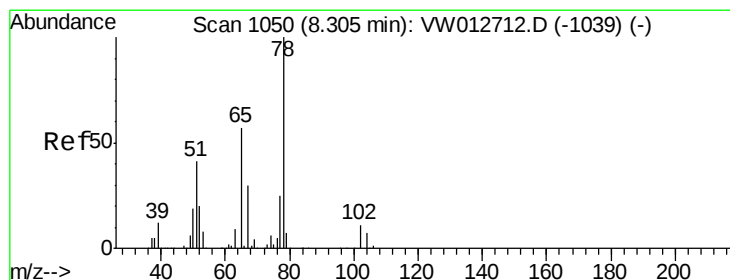
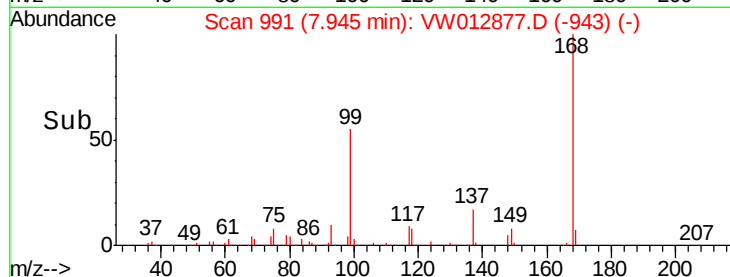
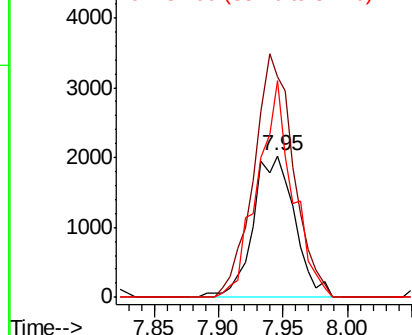
56 100

69 156.0 25.7 38.5#

84 153.6 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: 45.890 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012877.D

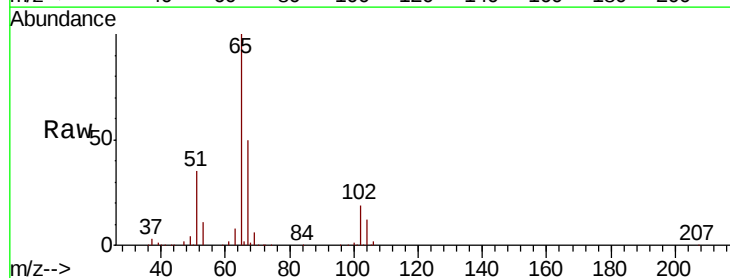
Acq: 10 Sep 2019 18:07

Tgt Ion: 65 Resp: 109272

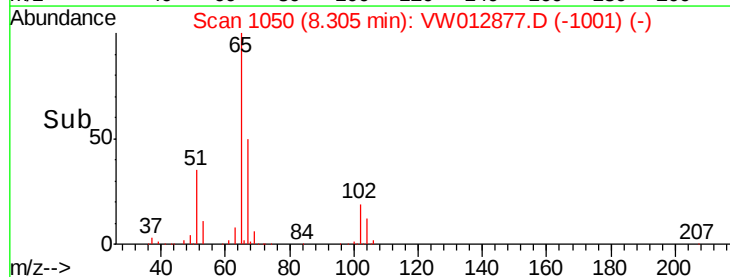
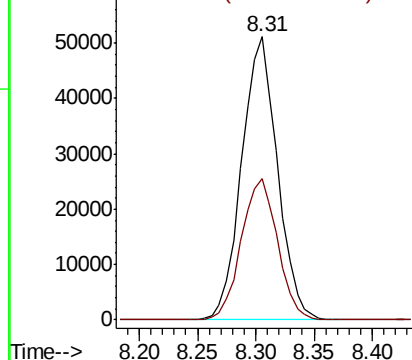
Ion Ratio Lower Upper

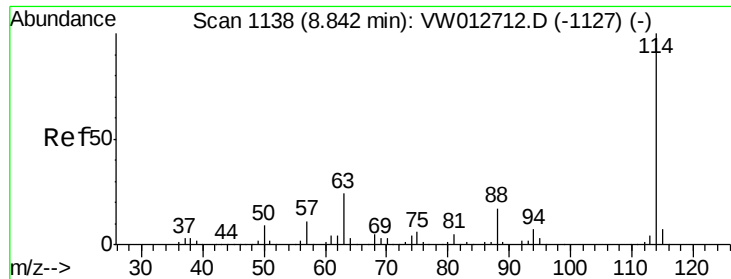
65 100

67 50.6 0.0 101.8



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

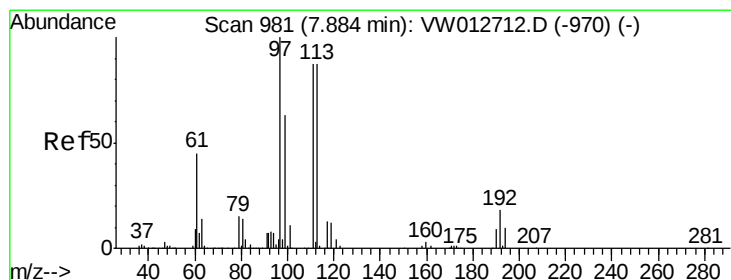
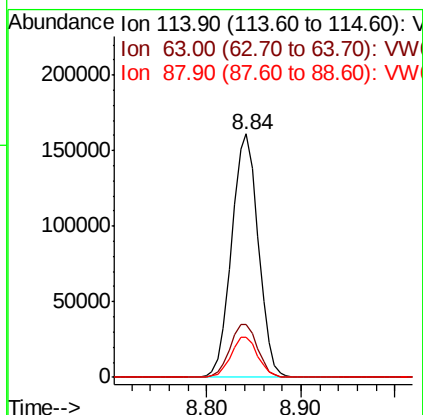
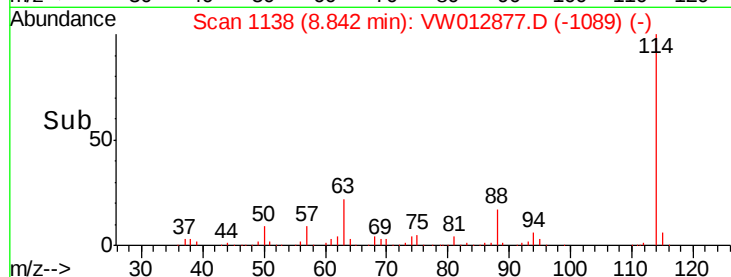
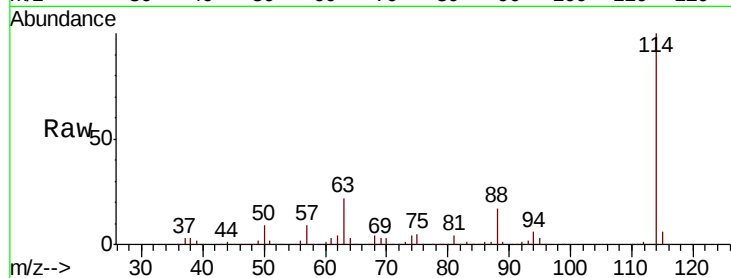




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012877.D
 Acq: 10 Sep 2019 18:07

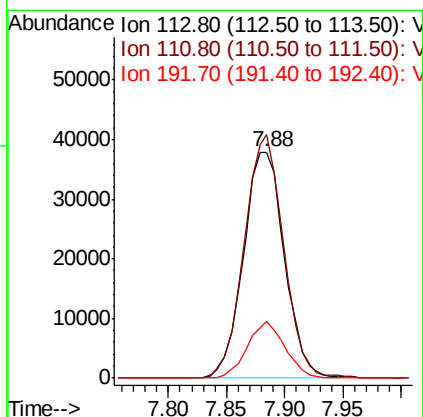
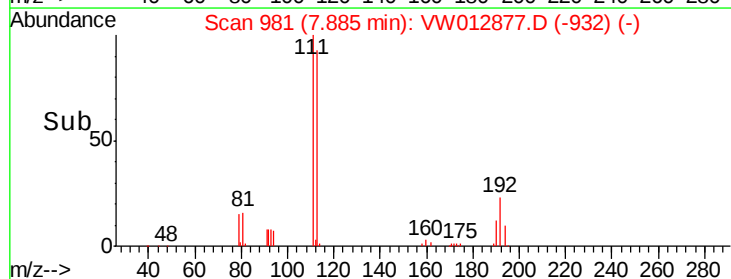
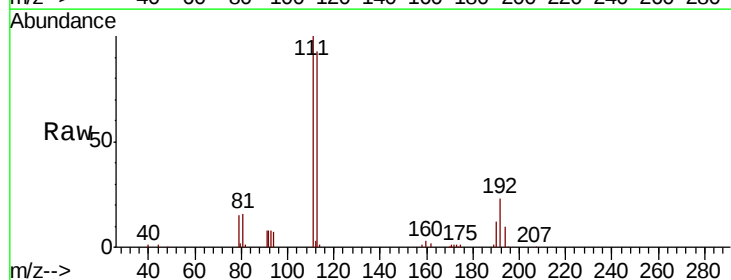
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-25-7.5-8.0

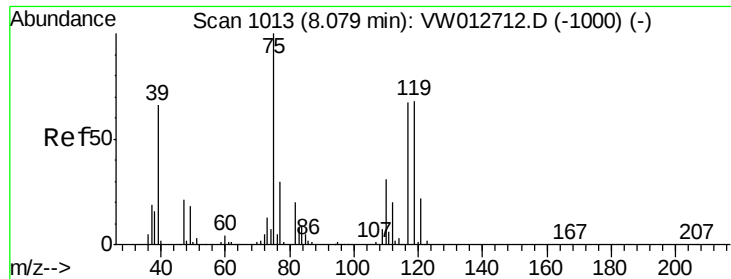
Tgt Ion:114 Resp: 317058
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 47.2
 88 16.6 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 49.137 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012877.D
 Acq: 10 Sep 2019 18:07

Tgt Ion:113 Resp: 92624
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.2 120.4
 192 23.0 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.691 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

SB-25-7.5-8.0

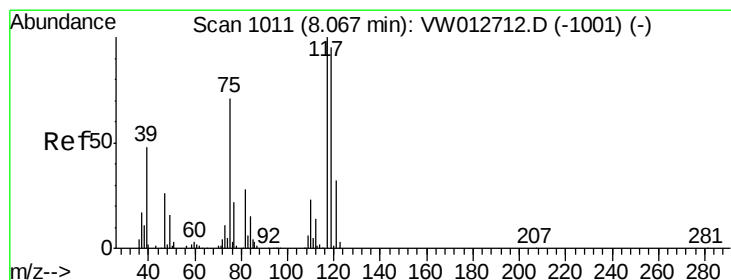
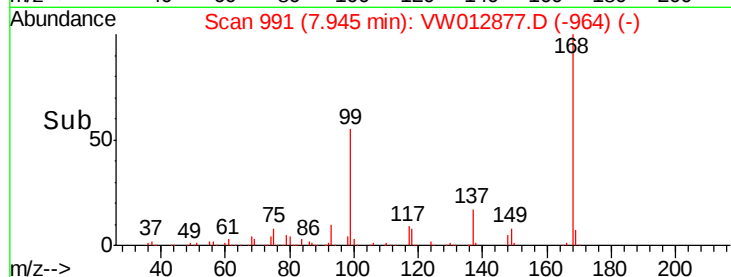
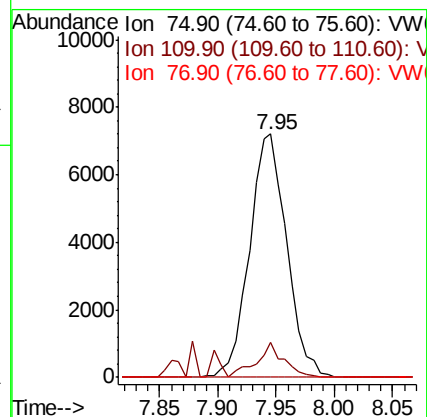
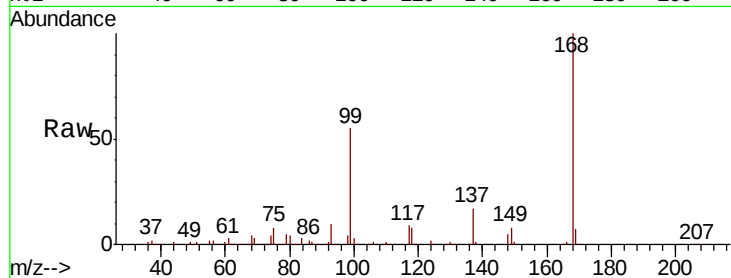
Tgt Ion: 75 Resp: 16033

Ion Ratio Lower Upper

75 100

110 10.4 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.069 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

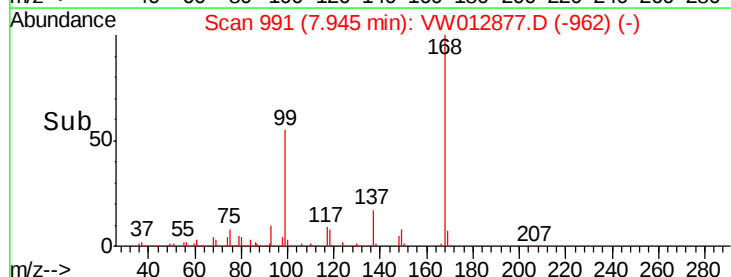
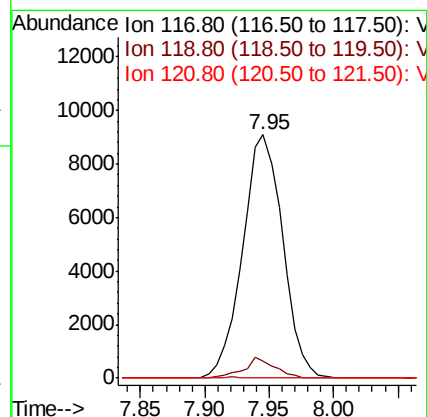
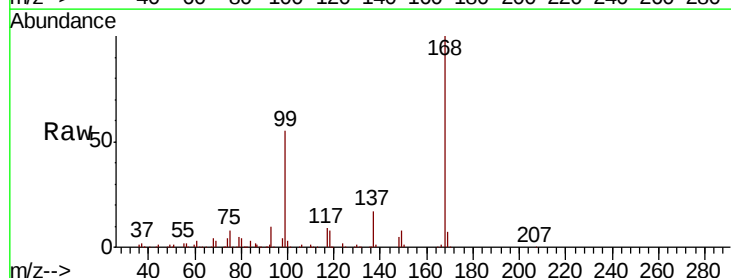
Tgt Ion: 117 Resp: 19630

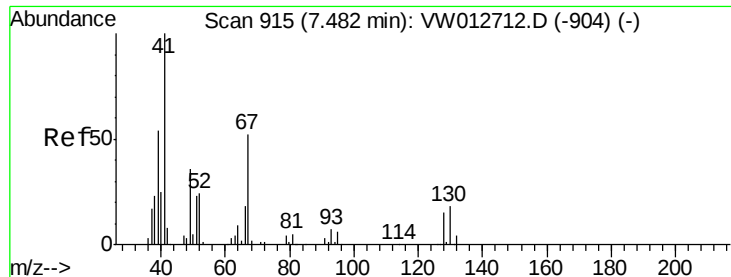
Ion Ratio Lower Upper

117 100

119 7.1 76.2 114.2#

121 0.0 25.4 38.2#





#41

Methacrylonitrile

Concen: 3.854 ug/l

RT: 7.46 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

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ClientSampleId :

SB-25-7.5-8.0

Tgt Ion: 41 Resp: 20

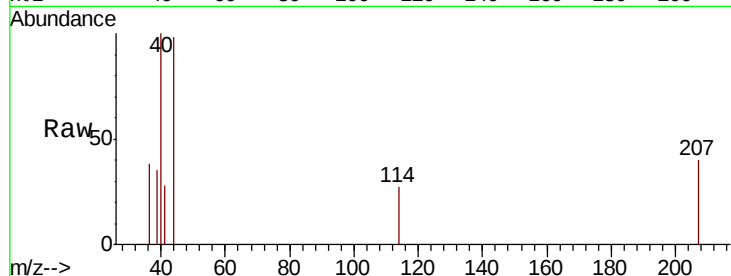
Ion Ratio Lower Upper

41 100

39 235.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

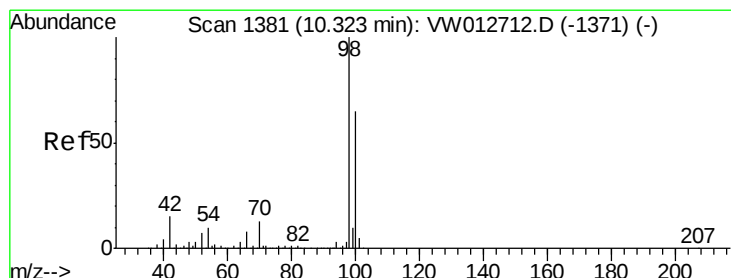
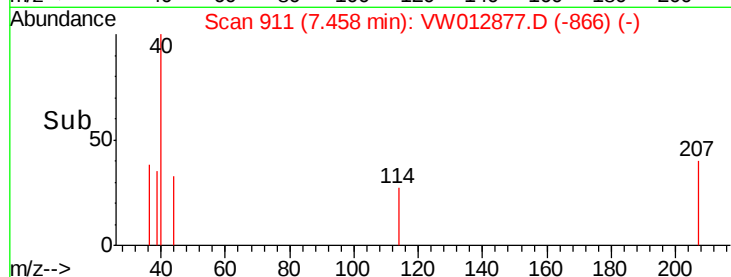
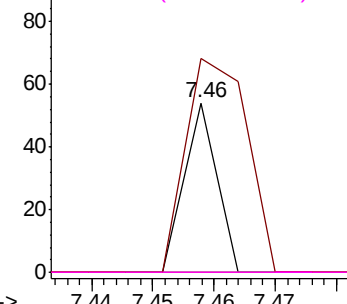


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 49.706 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012877.D

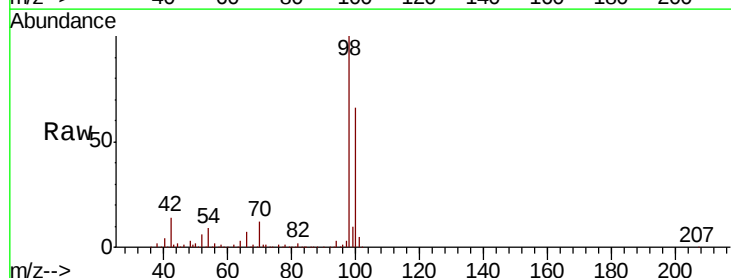
Acq: 10 Sep 2019 18:07

Tgt Ion: 98 Resp: 367076

Ion Ratio Lower Upper

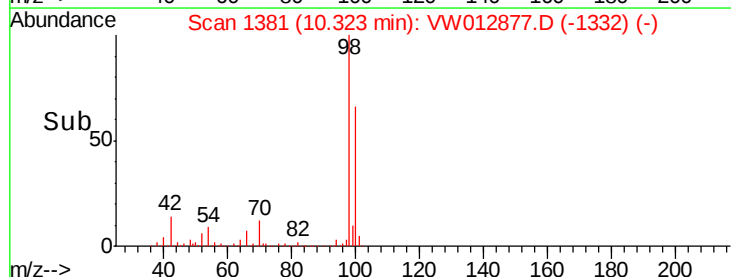
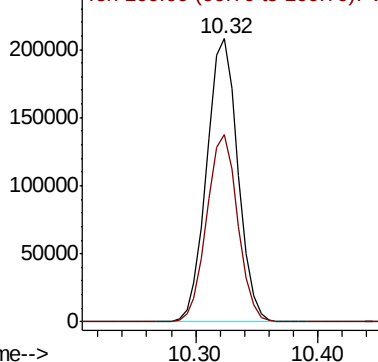
98 100

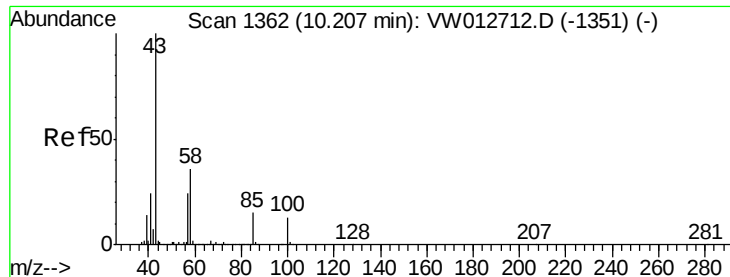
100 65.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.137 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

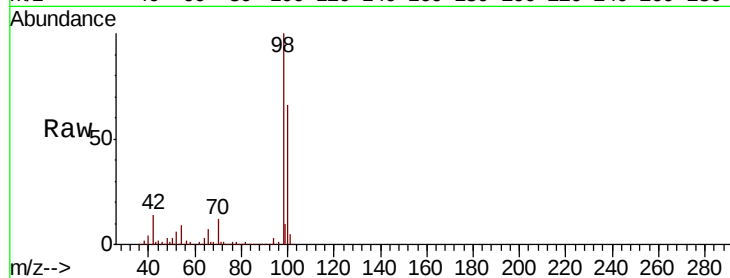
SB-25-7.5-8.0

Tgt Ion: 43 Resp: 2030

Ion Ratio Lower Upper

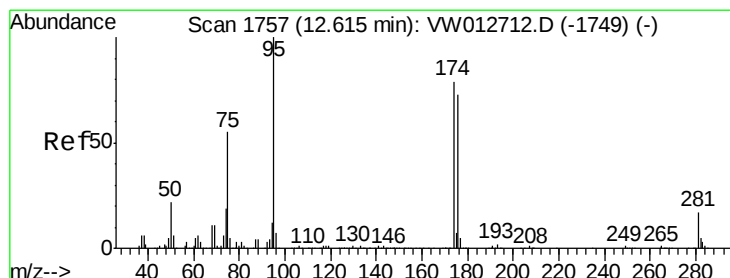
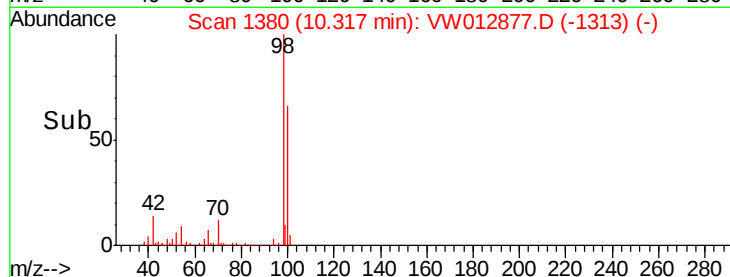
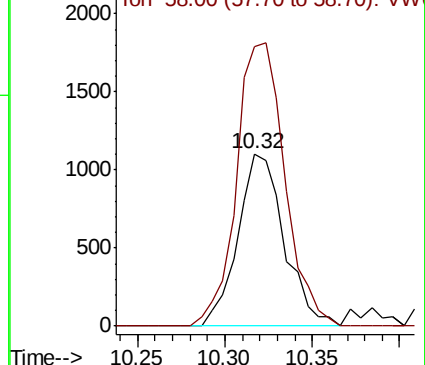
43 100

58 172.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 39.426 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

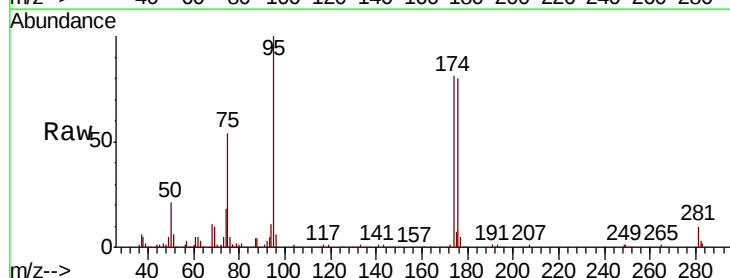
Tgt Ion: 95 Resp: 105700

Ion Ratio Lower Upper

95 100

174 84.8 0.0 161.0

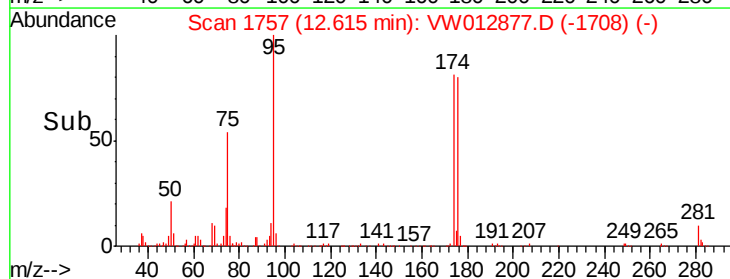
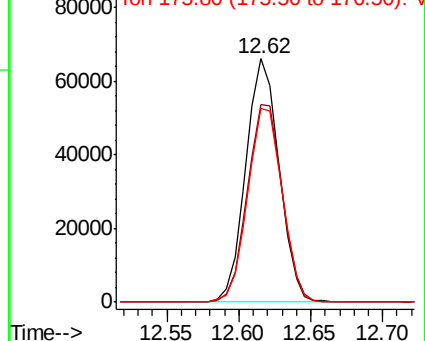
176 82.5 0.0 156.4

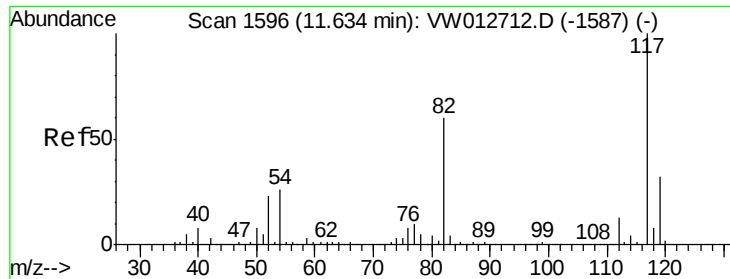


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

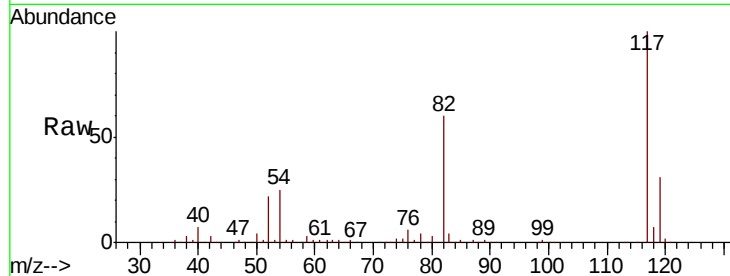




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012877.D
Acq: 10 Sep 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
SB-25-7.5-8.0

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	48.2	72.4
119	31.1	25.8	38.6

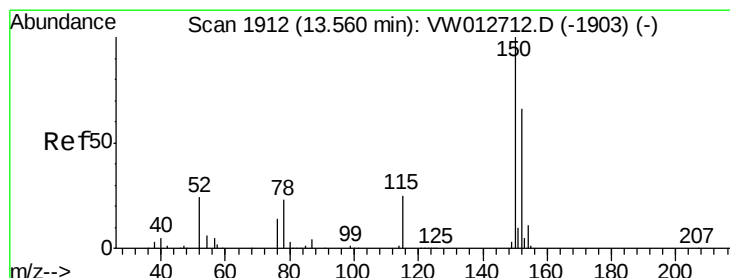
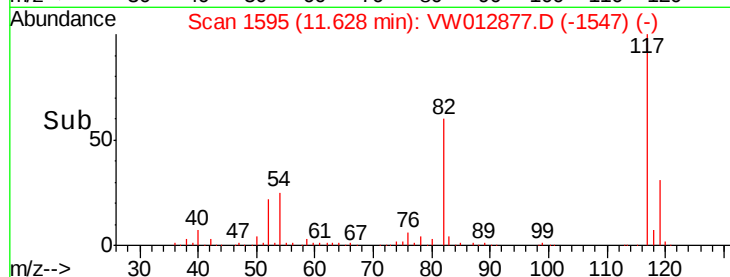
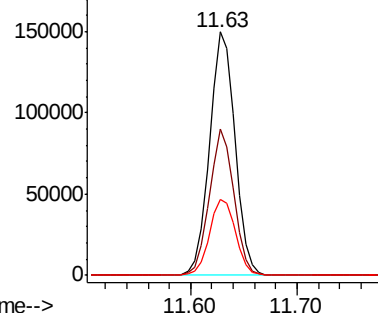


Abundance

Ion 116.90 (116.60 to 117.60): V

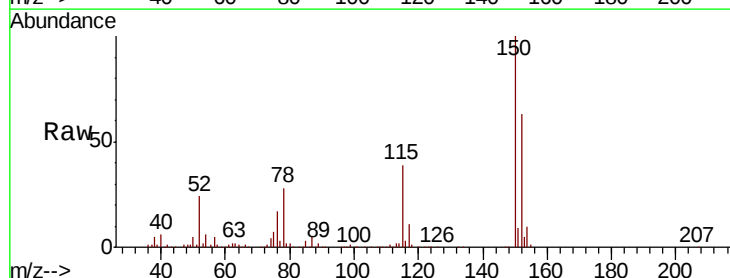
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012877.D
Acq: 10 Sep 2019 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.0	90.1
150	156.9	0.0	349.0

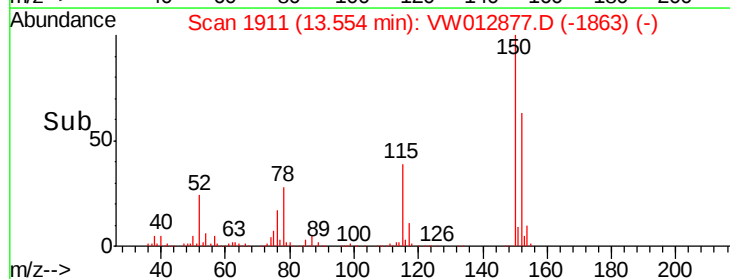
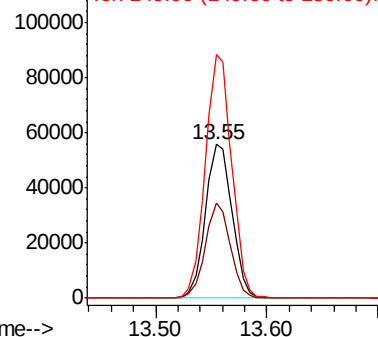


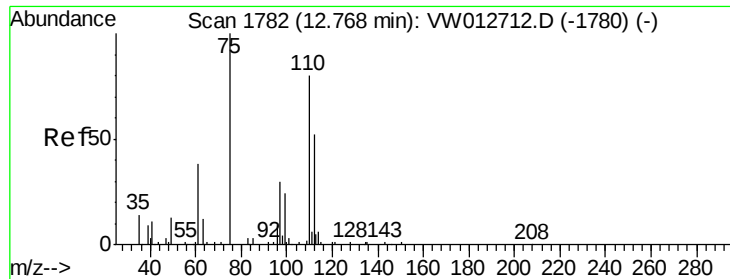
Abundance

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: 57.965 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

Instrument :

MSVOA_W

ClientSampleId :

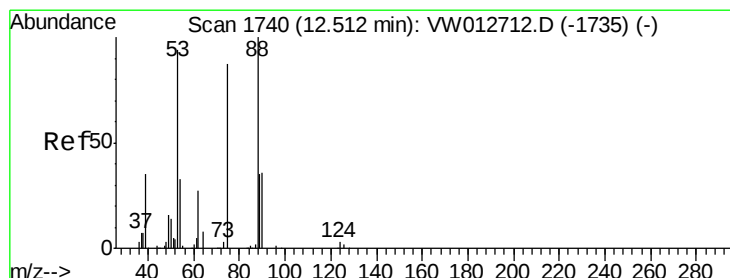
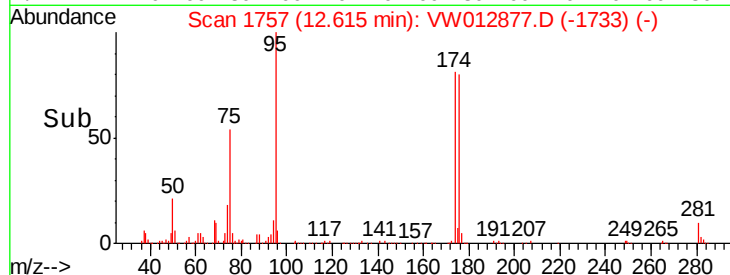
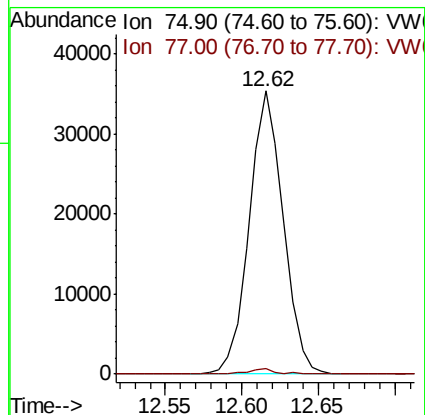
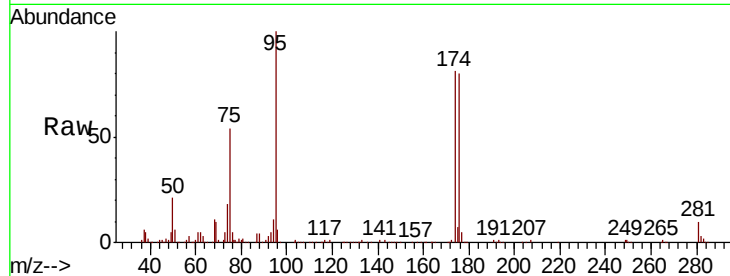
SB-25-7.5-8.0

Tgt Ion: 75 Resp: 54545

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.599 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012877.D

Acq: 10 Sep 2019 18:07

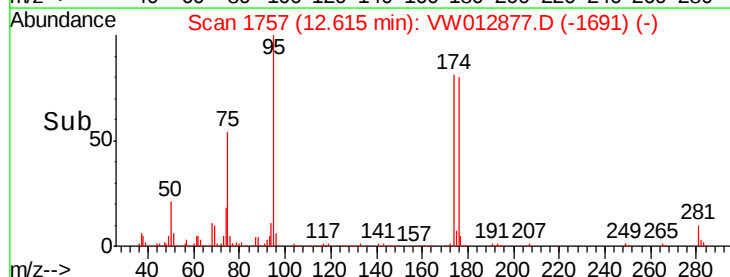
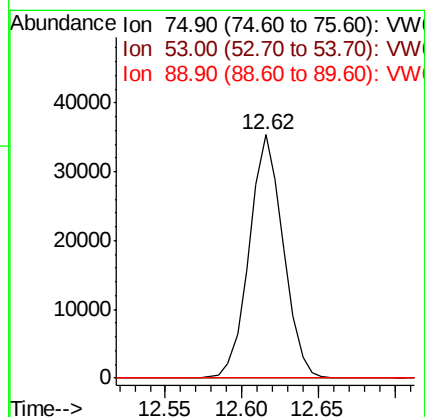
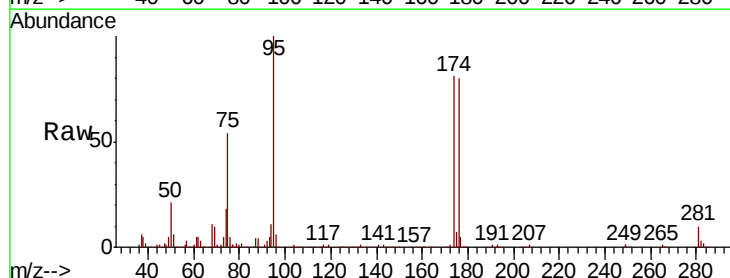
Tgt Ion: 75 Resp: 54545

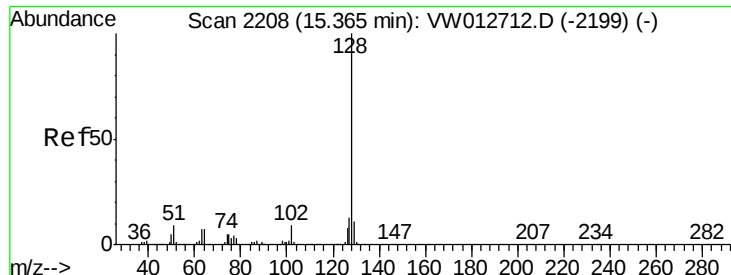
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.1 35.5 53.3#

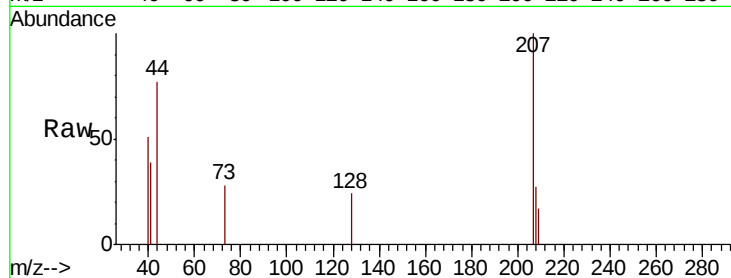




#95
Naphthalene
Concen: 4.454 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012877.D
Acq: 10 Sep 2019 18:07

Instrument :
MSVOA_W
ClientSampleId :
SB-25-7.5-8.0

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	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

