

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012807.D
 Acq On : 09 Sep 2019 08:08
 Operator : SY/VA
 Sample : K4760-04
 Misc : 6.23G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 10:47:06 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	268265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	130753	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	148490	49.54	ug/l	0.00
Spiked Amount						
			Recovery	=	99.08%	
35) Dibromofluoromethane	7.88	113	115688	48.31	ug/l	0.00
Spiked Amount						
			Recovery	=	96.62%	
50) Toluene-d8	10.32	98	483630	51.55	ug/l	0.00
Spiked Amount						
			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	261094	76.66	ug/l	0.00
Spiked Amount						
			Recovery	=	153.32%	

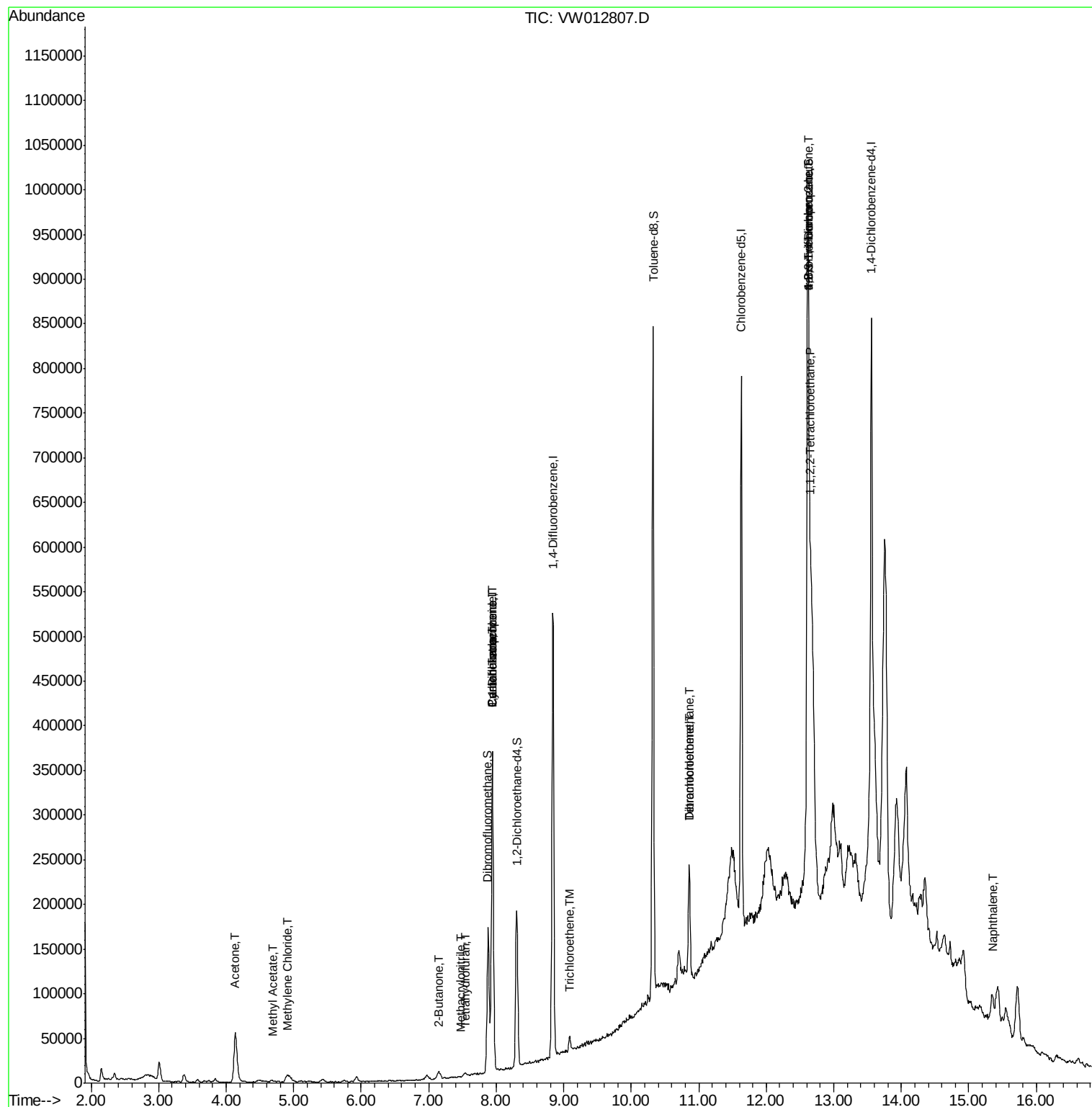
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	119765	146.564	ug/l	98
18) Methyl Acetate	4.68	43	3359	1.752	ug/l	98
20) Methylene Chloride	4.90	84	4050	1.584	ug/l #	87
25) 2-Butanone	7.15	43	566	20.114	ug/l #	53
29) Tetrahydrofuran	7.54	42	4342	6.580	ug/l #	82
31) Cyclohexane	7.95	56	7238	1.643	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	21386	5.976	ug/l #	55
38) Carbon Tetrachloride	7.95	117	25856	7.329	ug/l #	15
41) Methacrylonitrile	7.48	41	155	3.931	ug/l #	1
44) Trichloroethene	9.09	130	5316	2.077	ug/l	89
60) Dibromochloromethane	10.86	129	23069	10.047	ug/l #	12
64) Tetrachloroethene	10.86	164	27589	14.016	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.65	83	140661	74.686	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	78921	59.028	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78921	124.848	ug/l #	7
95) Naphthalene	15.36	128	177	4.468	ug/l #	1

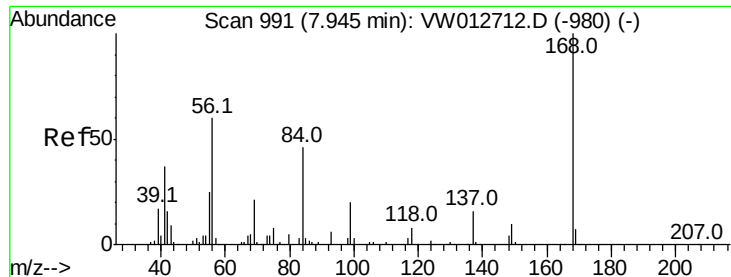
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012807.D
Acq On : 09 Sep 2019 08:08
Operator : SY/VA
Sample : K4760-04
Misc : 6.23G/5ML/MSVOA W/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 09 10:47:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

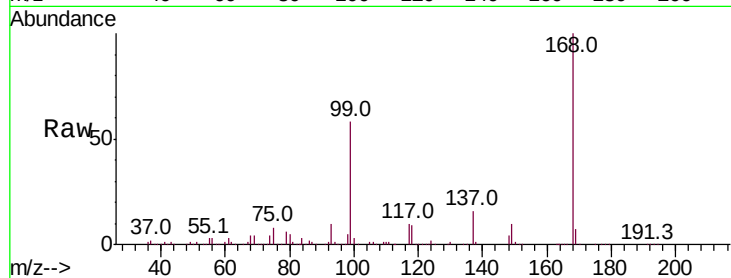
ClientSampled :

Tot Ion:168 Resp: 268265

Ion Ratio Lower Upper

168 100

99 57.8 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

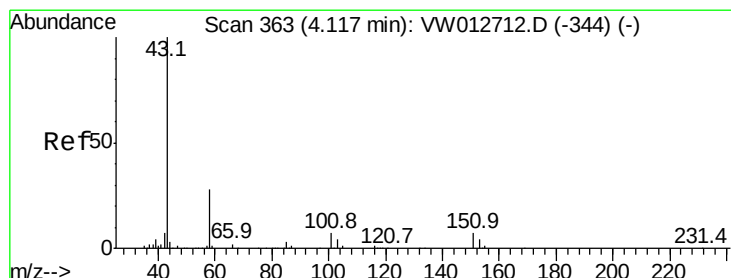
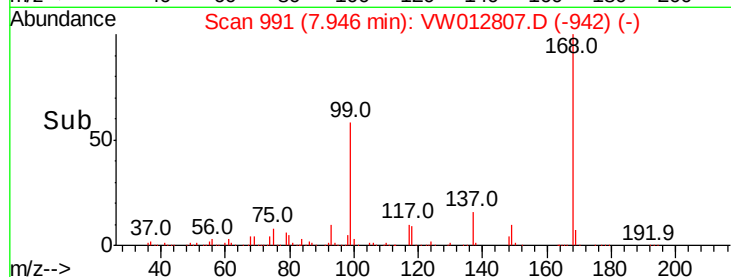
100000

50000

0

Time-->

7.90 8.00



#16

Acetone

Concen: 146.564 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012807.D

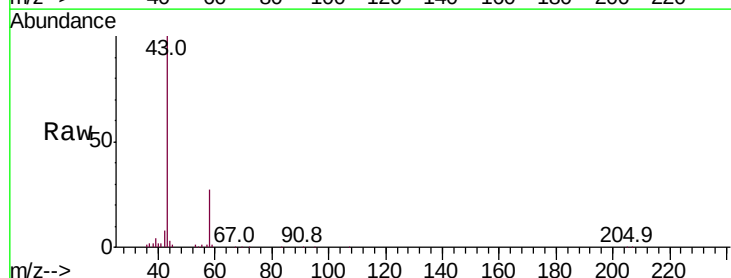
Acq: 09 Sep 2019 08:08

Tgt Ion: 43 Resp: 119765

Ion Ratio Lower Upper

43 100

58 26.9 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

40000

30000

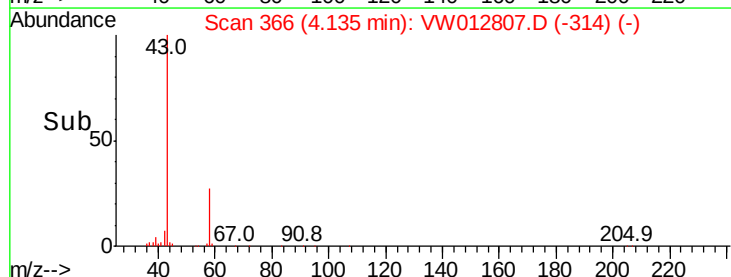
20000

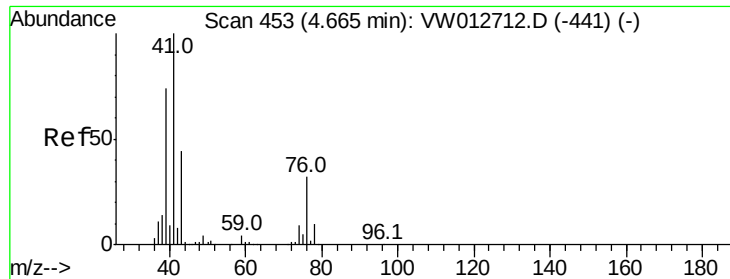
10000

0

Time-->

4.00 4.10 4.20 4.30

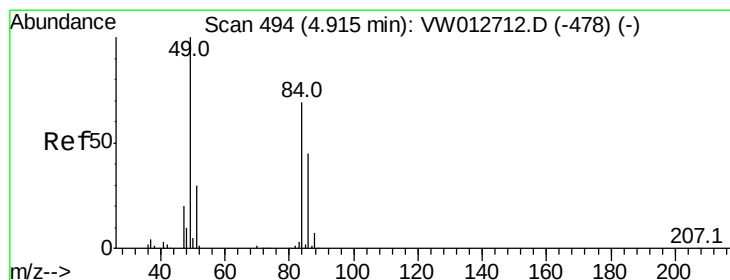
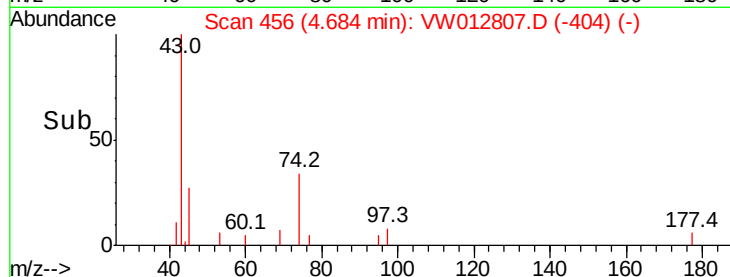
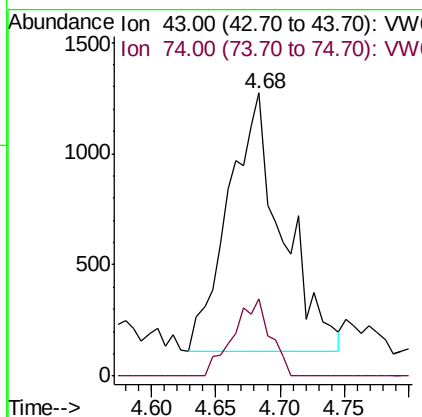
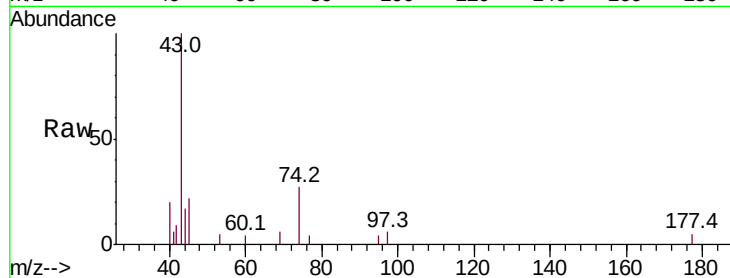




#18
Methyl Acetate
Concen: 1.752 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

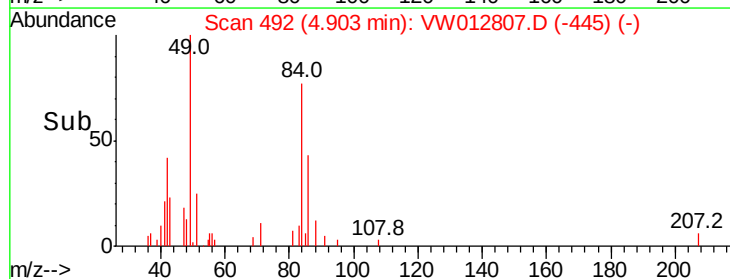
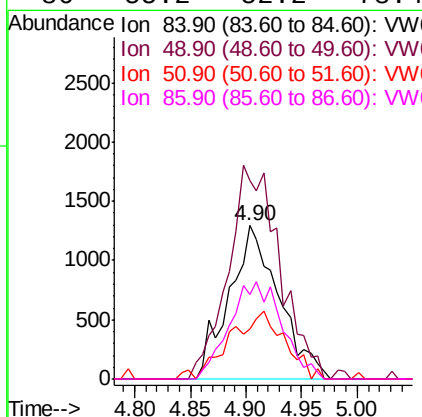
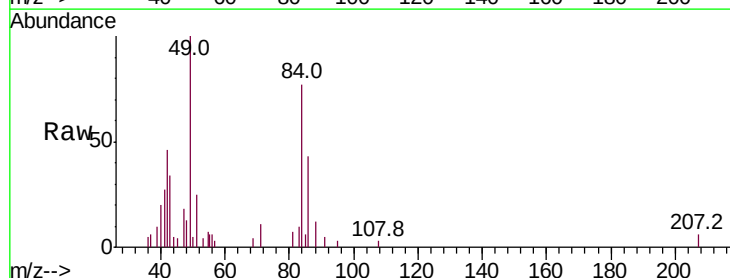
Instrument :
MSVOA_W
ClientSampled :

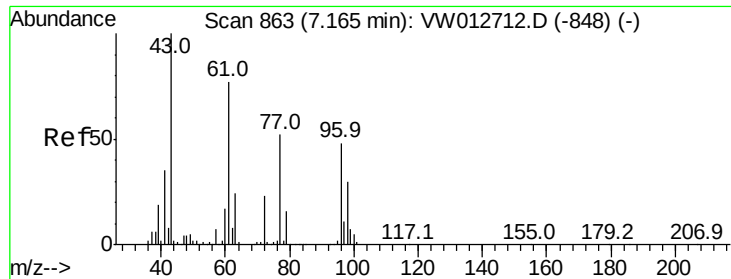
Tot Ion: 43 Resp: 3359
Ion Ratio Lower Upper
43 100
74 20.6 15.8 23.6



#20
Methylene Chloride
Concen: 1.584 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

Tgt Ion: 84 Resp: 4050
Ion Ratio Lower Upper
84 100
49 129.2 115.4 173.0
51 32.7 34.9 52.3#
86 55.2 52.2 78.4





#25

2-Butanone

Concen: 20.114 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

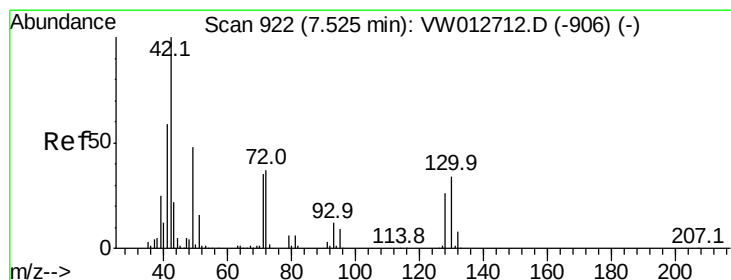
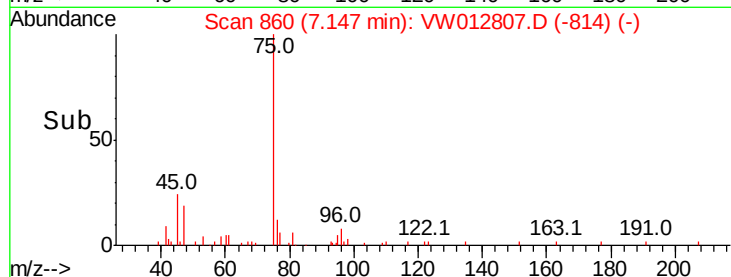
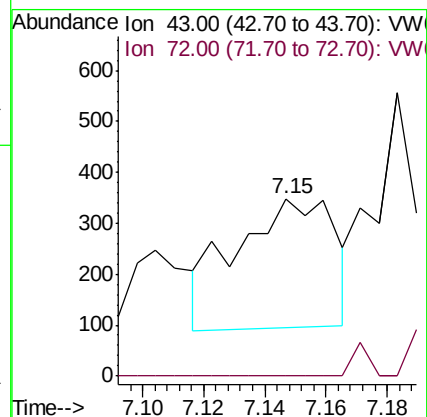
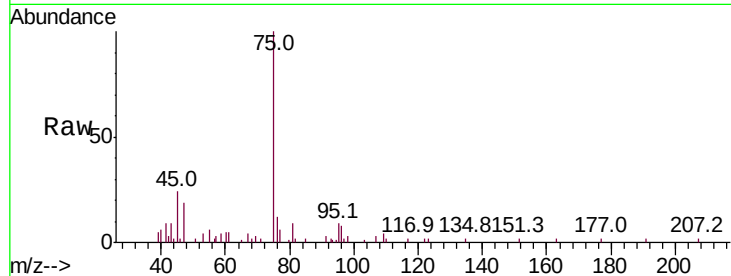
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.580 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

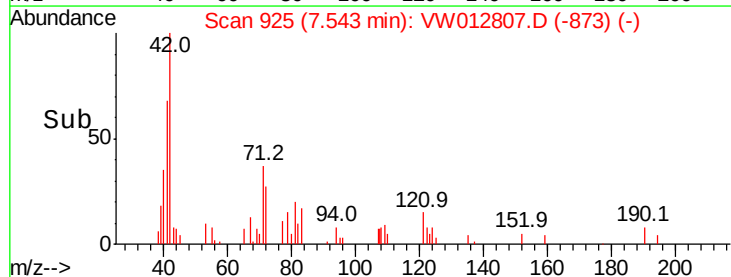
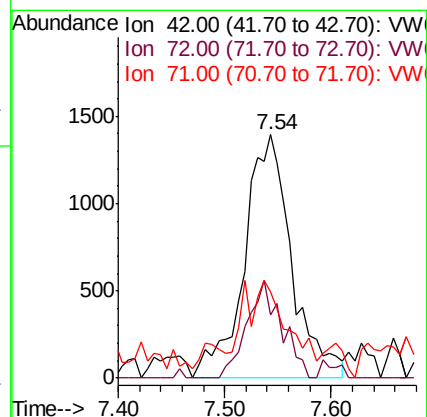
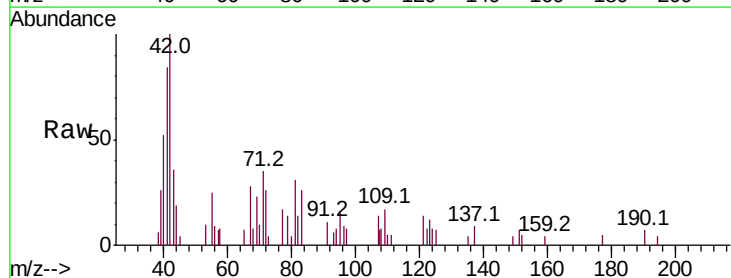
Tgt Ion: 42 Resp: 4342

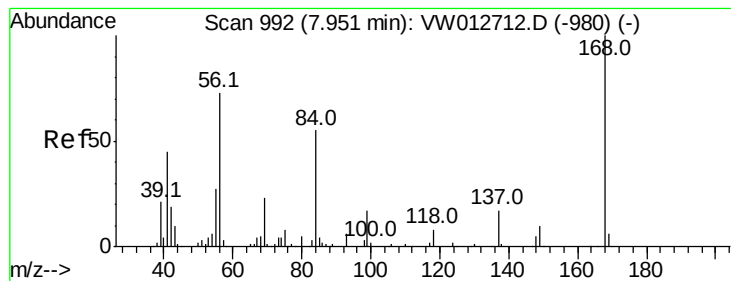
Ion Ratio Lower Upper

42 100

72 29.5 28.4 42.6

71 18.9 27.1 40.7#





#31

Cyclohexane

Concen: 1.643 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

ClientSampled :

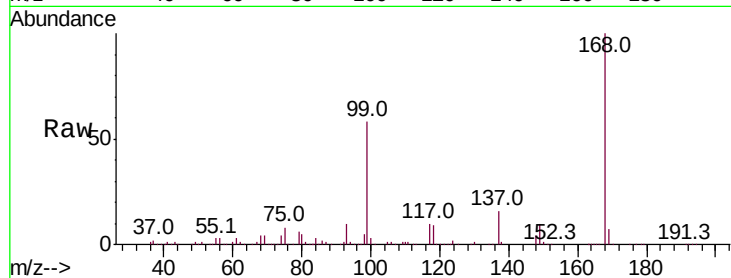
Tot Ion: 56 Resp: 7238

Ion Ratio Lower Upper

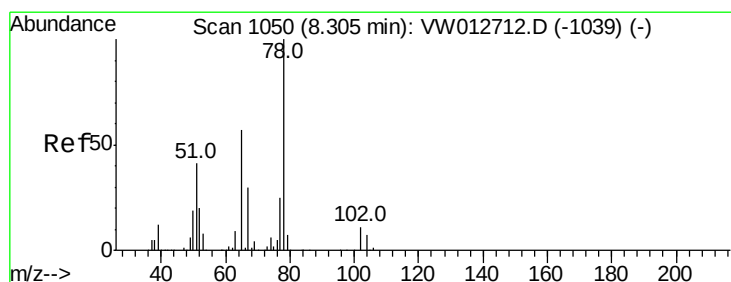
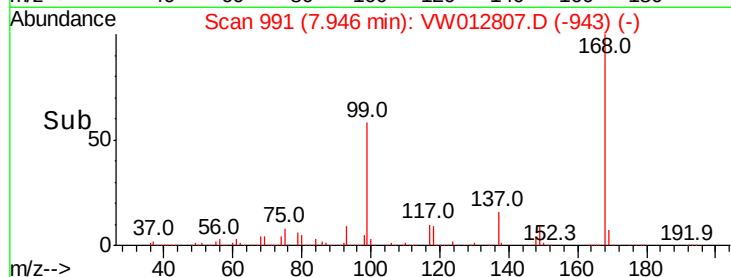
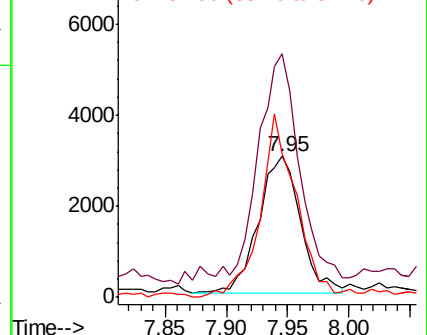
56 100

69 164.9 25.7 38.5#

84 105.3 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: 49.539 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012807.D

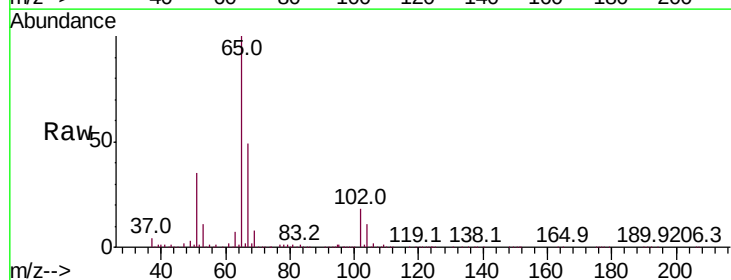
Acq: 09 Sep 2019 08:08

Tgt Ion: 65 Resp: 148490

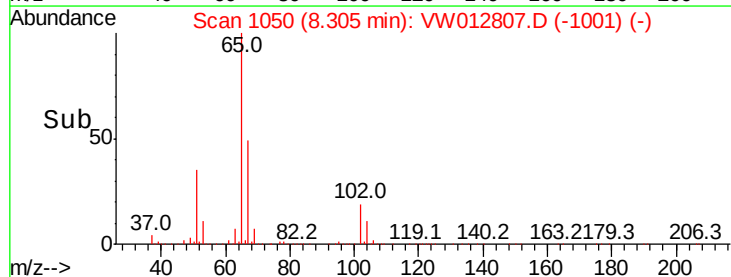
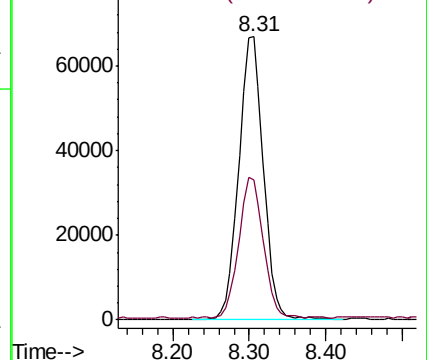
Ion Ratio Lower Upper

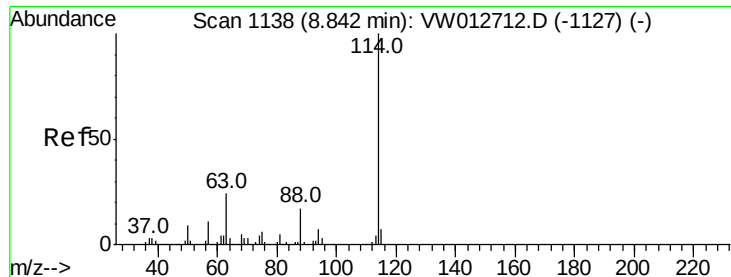
65 100

67 49.1 0.0 101.8



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

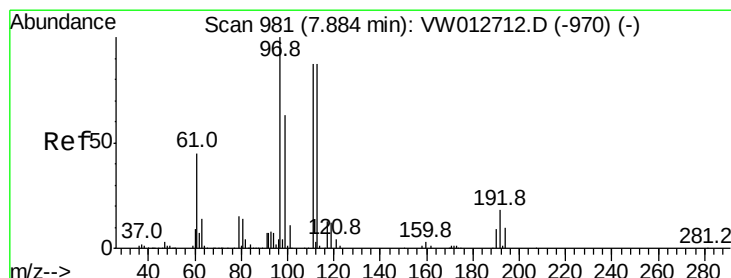
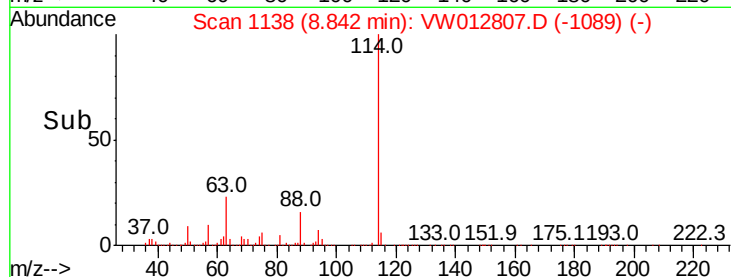
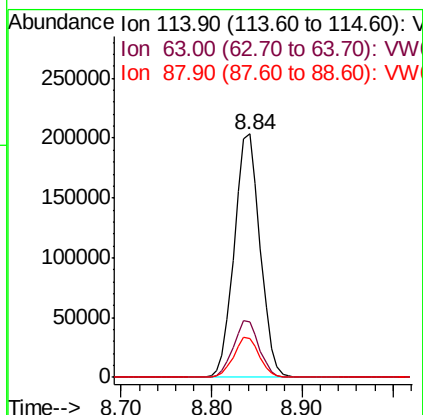
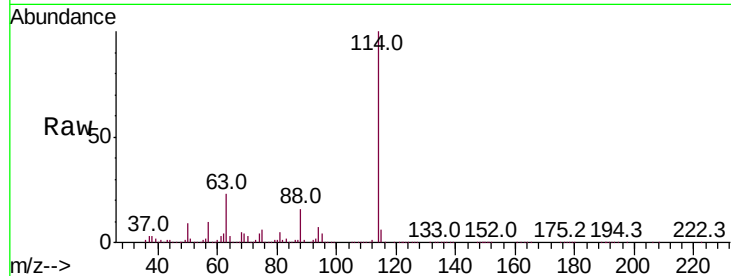




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012807.D
 Acq: 09 Sep 2019 08:08

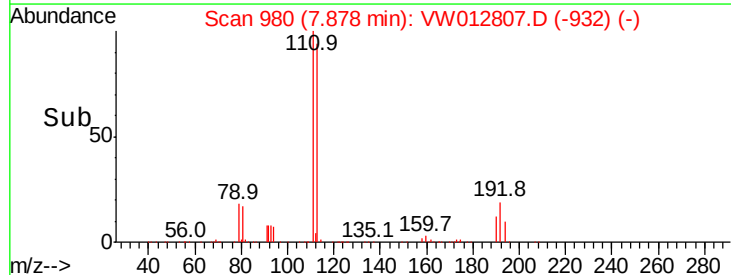
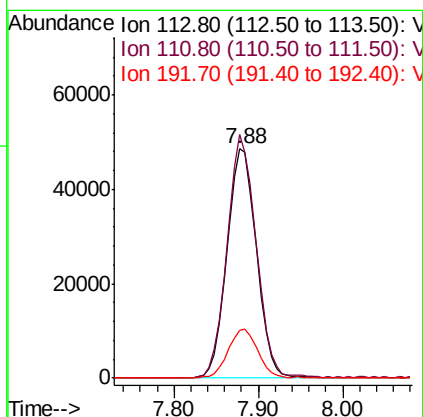
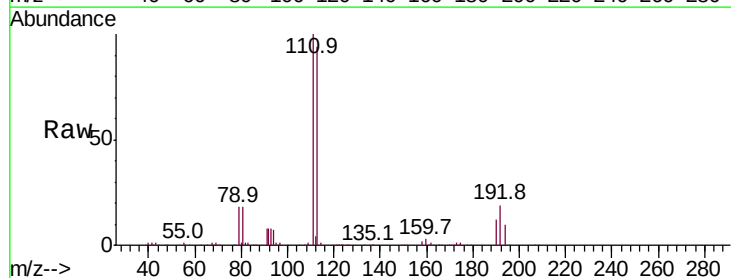
Instrument :
 MSVOA_W
 ClientSampleId :

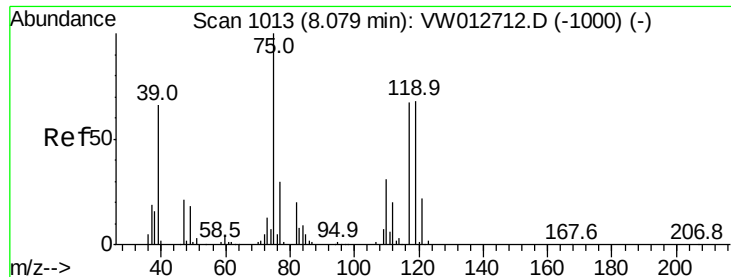
Tot Ion:114 Resp: 402784
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 47.2
 88 15.9 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 48.311 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012807.D
 Acq: 09 Sep 2019 08:08

Tgt Ion:113 Resp: 115688
 Ion Ratio Lower Upper
 113 100
 111 104.3 80.2 120.4
 192 21.5 17.3 25.9





#36

1,1-Dichloropropene

Concen: 5.976 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

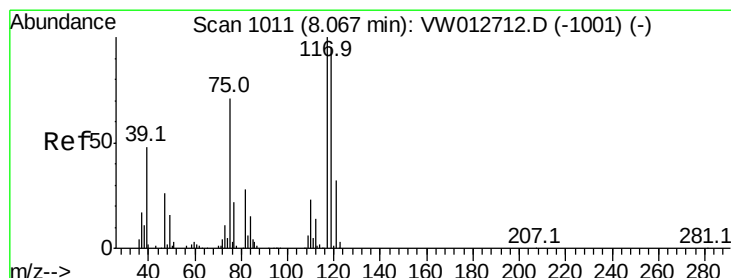
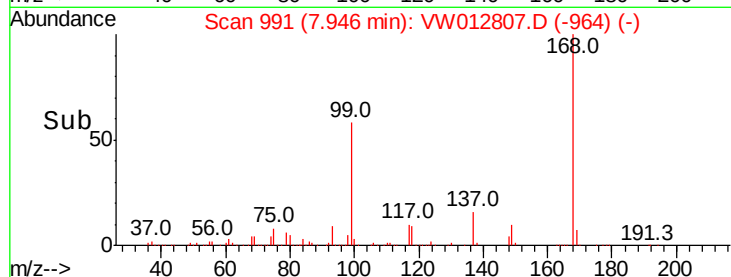
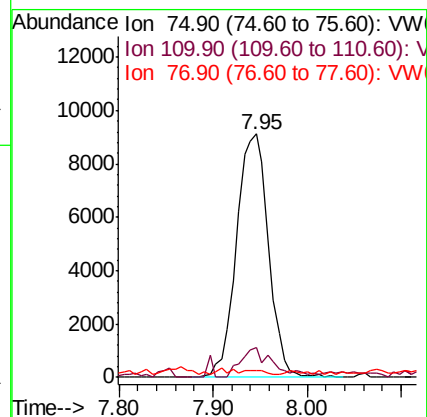
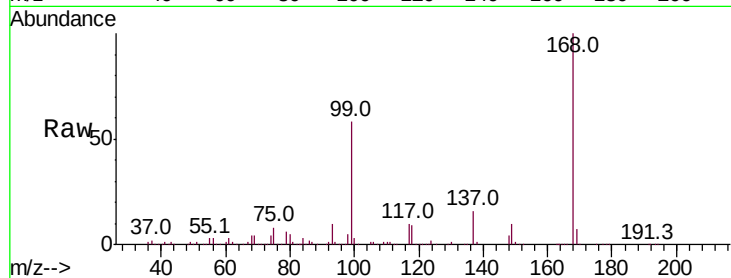
Tot Ion: 75 Resp: 21386

Ion Ratio Lower Upper

75 100

110 12.2 15.9 47.7#

77 1.1 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.329 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

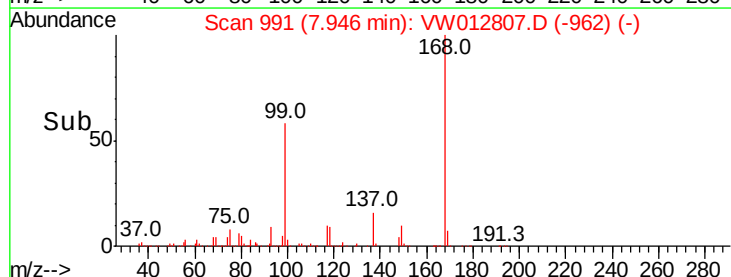
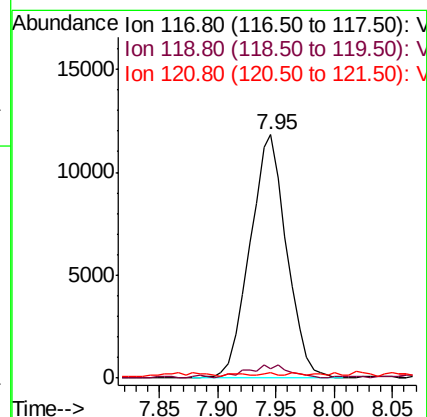
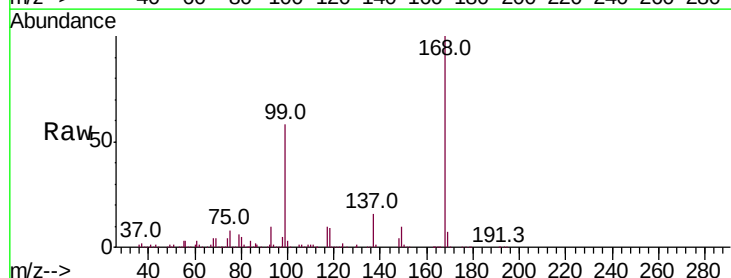
Tgt Ion: 117 Resp: 25856

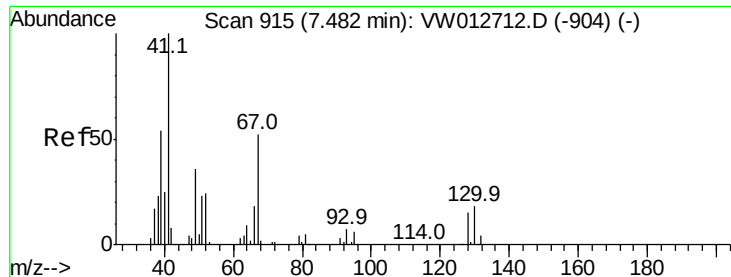
Ion Ratio Lower Upper

117 100

119 3.5 76.2 114.2#

121 0.6 25.4 38.2#

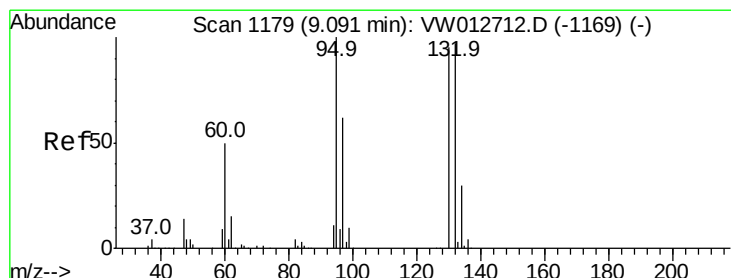
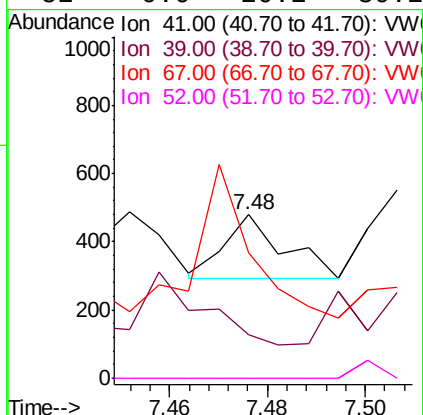
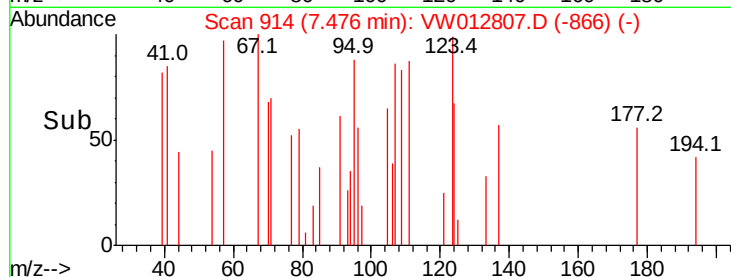
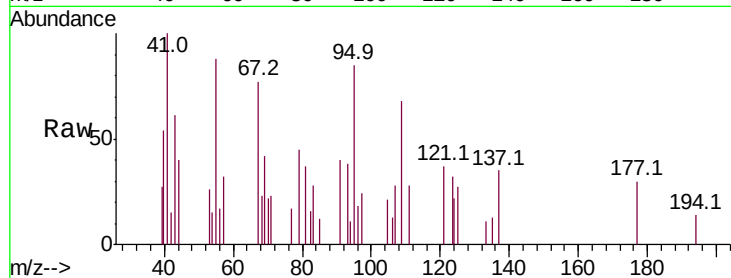




#41
Methacrylonitrile
Concen: 3.931 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

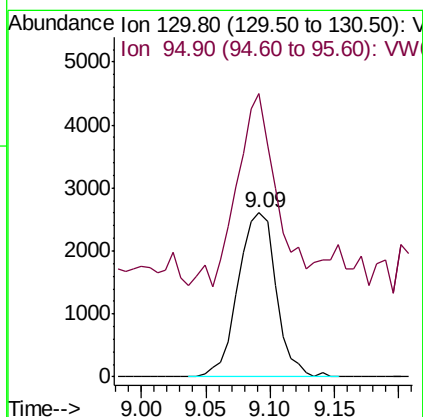
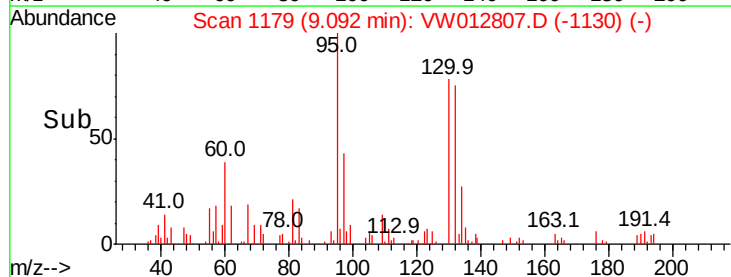
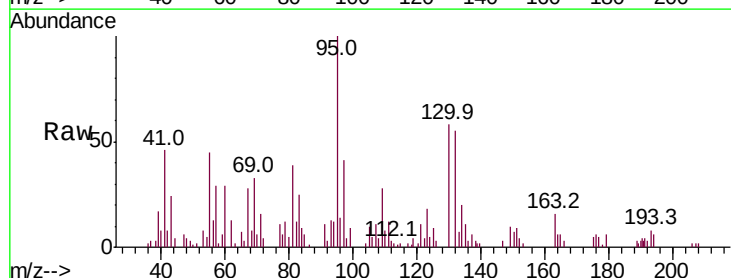
Instrument :
MSVOA_W
ClientSampled :

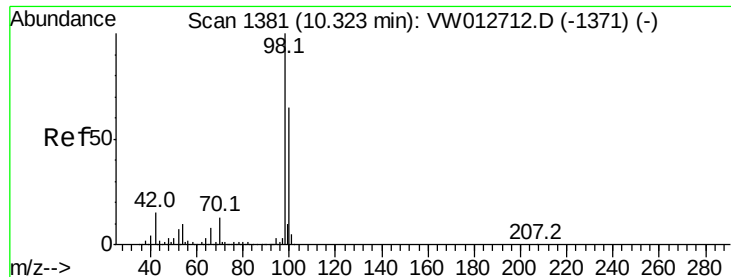
Tot Ion: 41 Resp: 155
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 221.3 45.1 67.7#
52 0.0 20.2 30.2#



#44
Trichloroethene
Concen: 2.077 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

Tgt Ion: 130 Resp: 5316
Ion Ratio Lower Upper
130 100
95 117.1 0.0 210.6

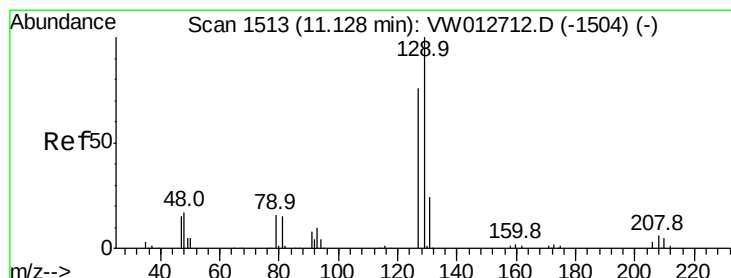
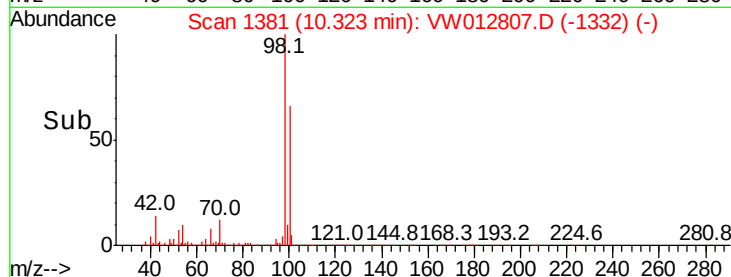
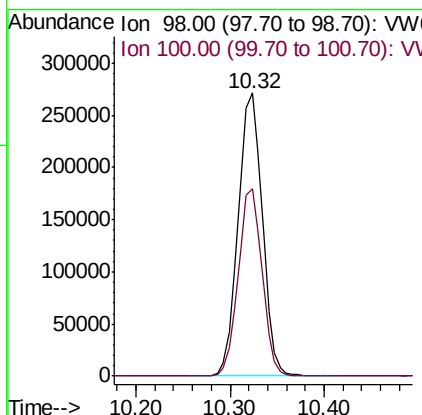
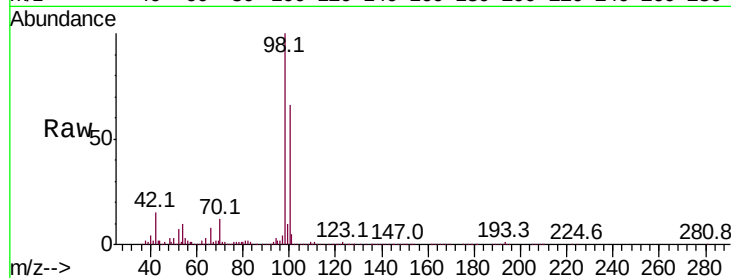




#50
Toluene-d8
Concen: 51.550 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

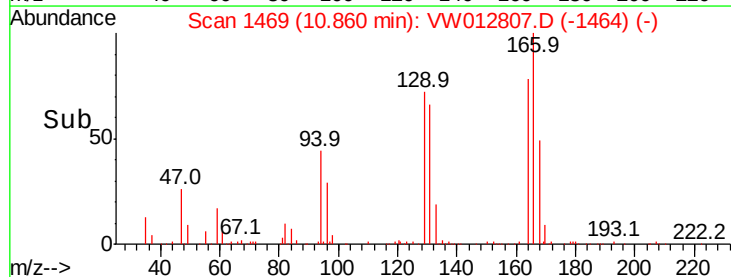
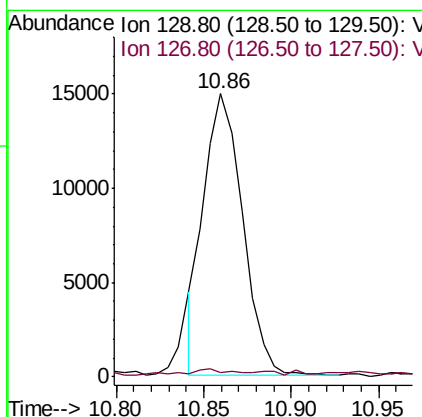
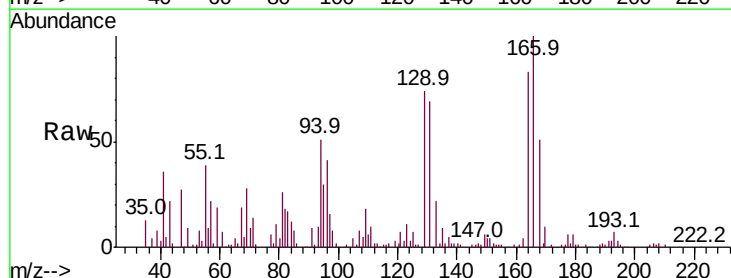
Instrument :
MSVOA_W
ClientSampled :

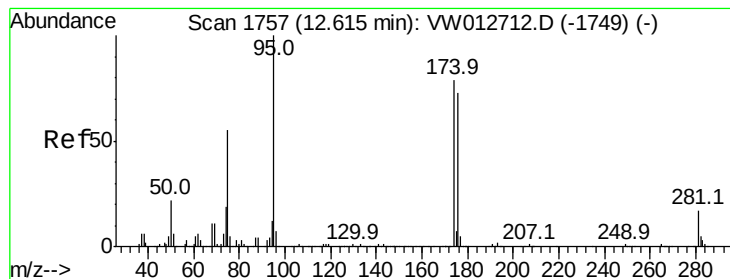
Tot Ion: 98 Resp: 483630
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#60
Dibromochloromethane
Concen: 10.047 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW012807.D
Acq: 09 Sep 2019 08:08

Tgt Ion: 129 Resp: 23069
Ion Ratio Lower Upper
129 100
127 0.9 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 76.660 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

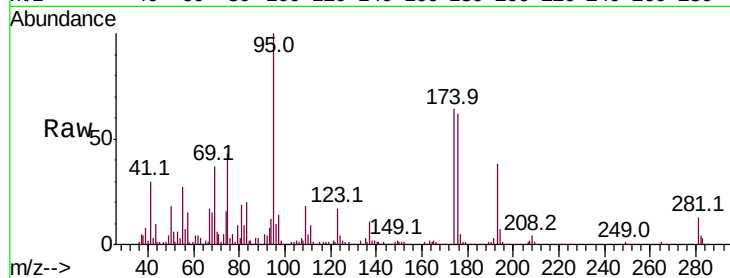
Tot Ion: 95 Resp: 261094

Ion Ratio Lower Upper

95 100

174 45.6 0.0 161.0

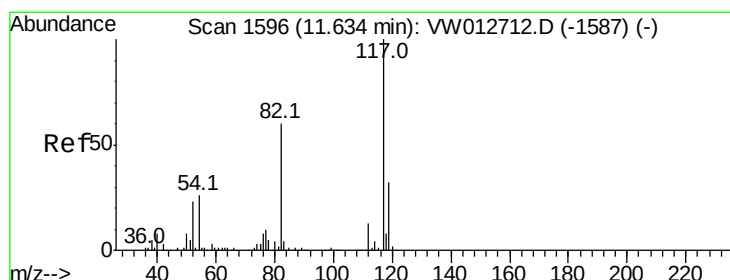
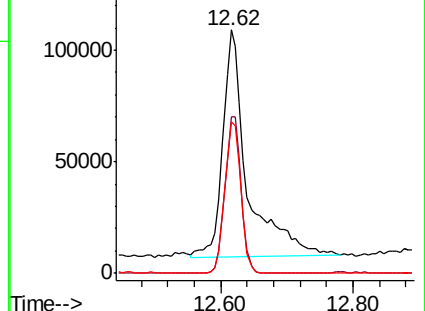
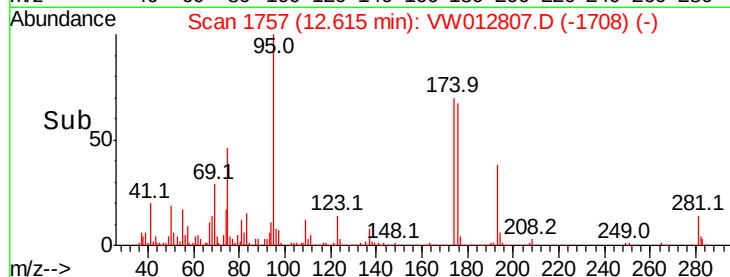
176 43.7 0.0 156.4



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: VW012807.D

Acq: 09 Sep 2019 08:08

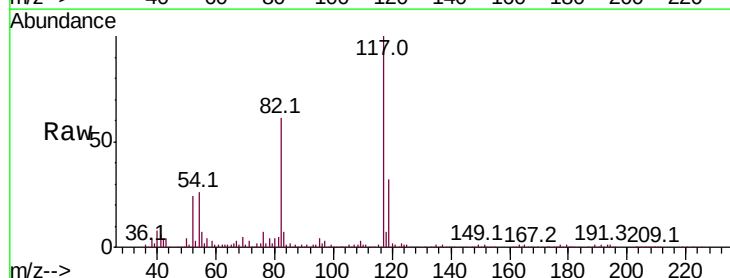
Tgt Ion: 117 Resp: 324390

Ion Ratio Lower Upper

117 100

82 59.8 48.2 72.4

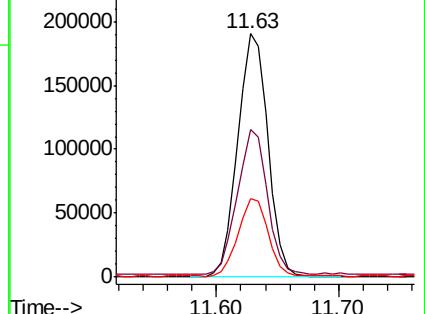
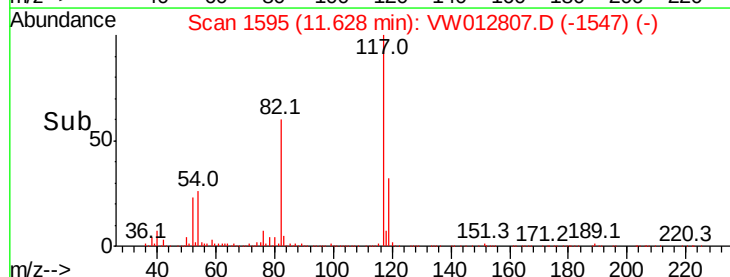
119 31.9 25.8 38.6

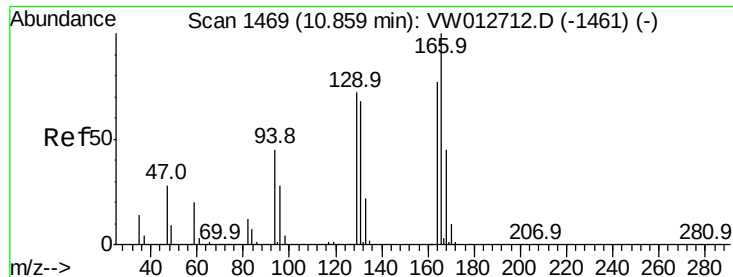


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 14.016 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

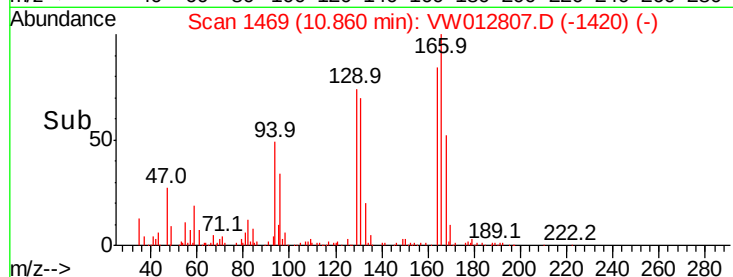
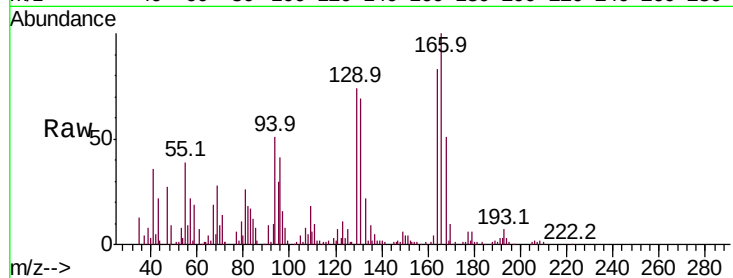
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 27589

Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.6	155.4
129	90.8	74.6	112.0
131	83.6	70.6	106.0

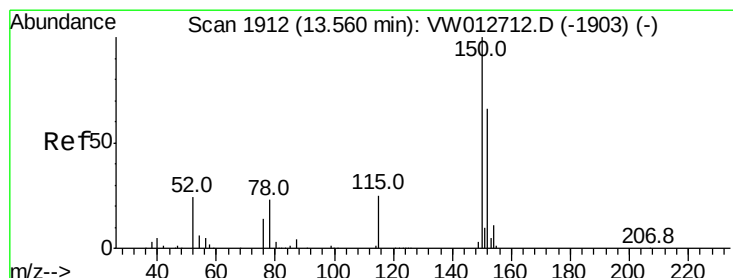
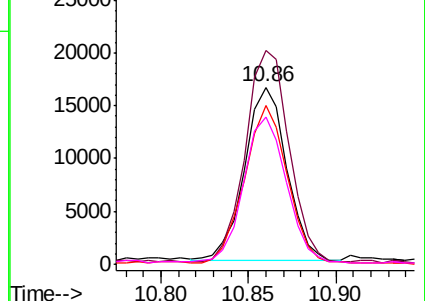


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

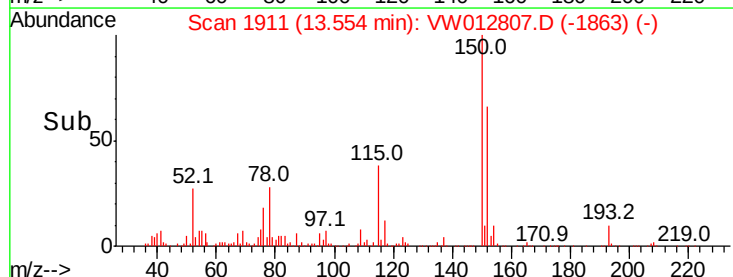
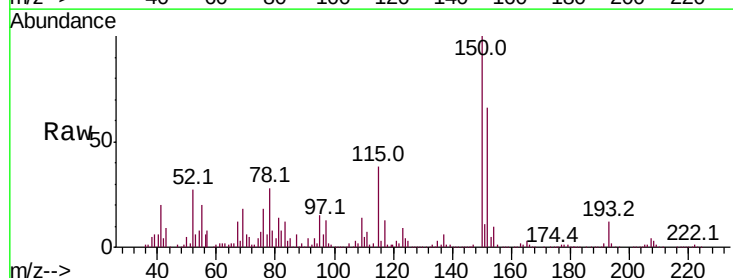
Delta R.T. -0.01 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Tgt Ion:152 Resp: 130753

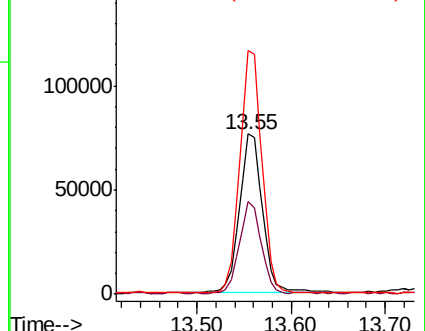
Ion	Ratio	Lower	Upper
152	100		
115	53.7	30.0	90.1
150	143.9	0.0	349.0

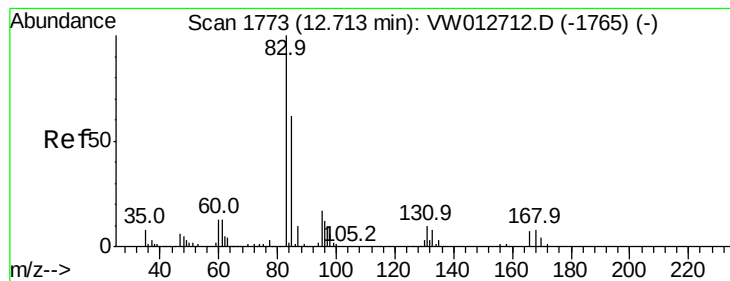


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 74.686 ug/l

RT: 12.65 min Scan# 1763

Delta R.T. -0.06 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

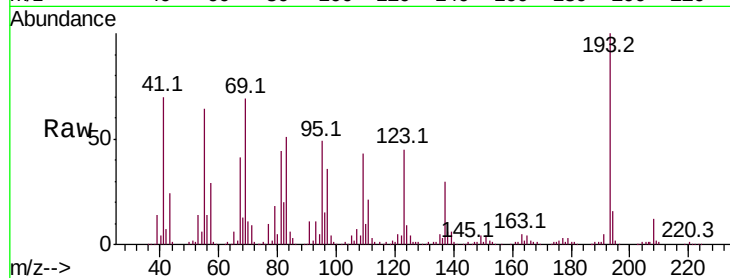
Tot Ion: 83 Resp: 140661

Ion Ratio Lower Upper

83 100

131 0.1 5.1 15.4#

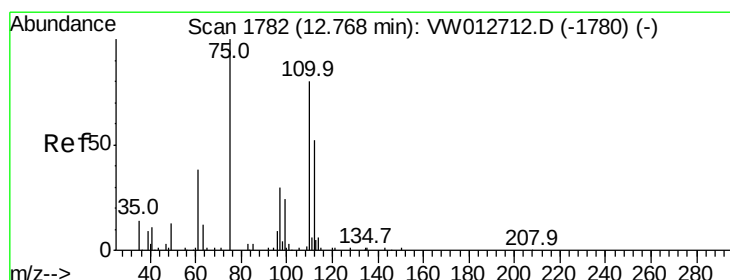
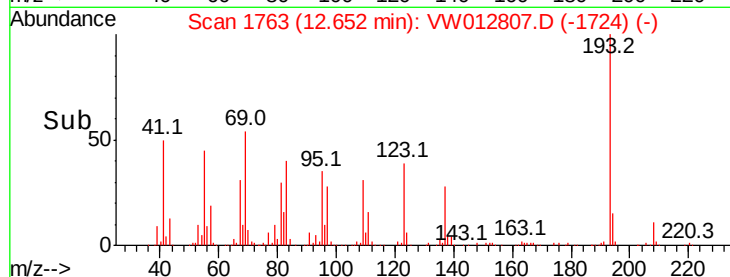
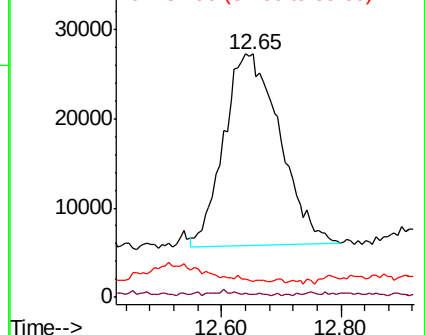
85 0.2 31.4 94.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 59.028 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012807.D

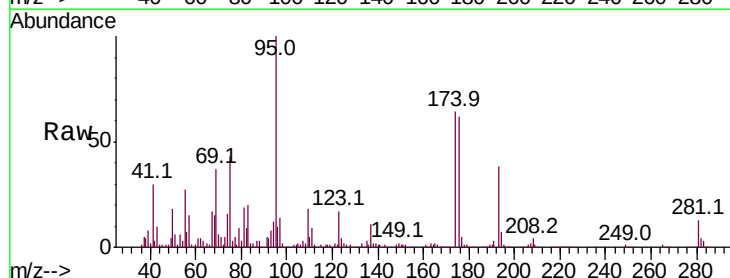
Acq: 09 Sep 2019 08:08

Tgt Ion: 75 Resp: 78921

Ion Ratio Lower Upper

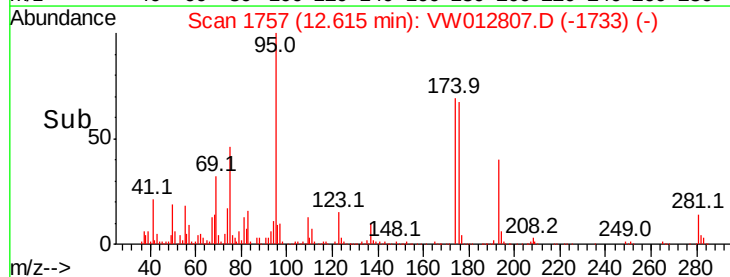
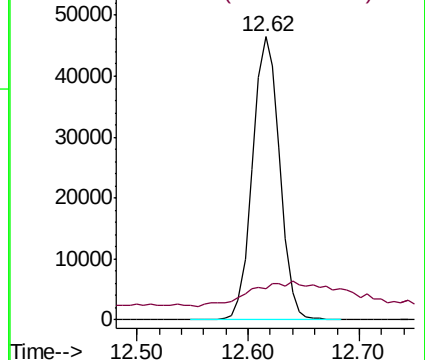
75 100

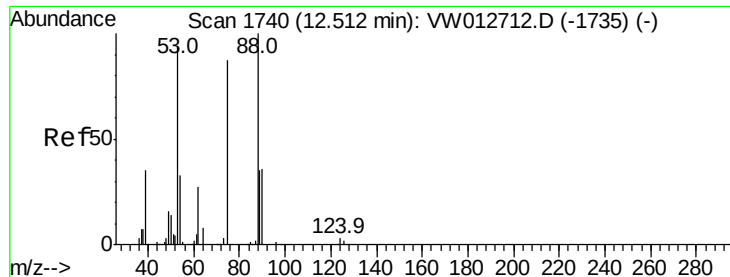
77 11.9 0.0 0.0#



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: 124.848 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Instrument :

MSVOA_W

ClientSampleId :

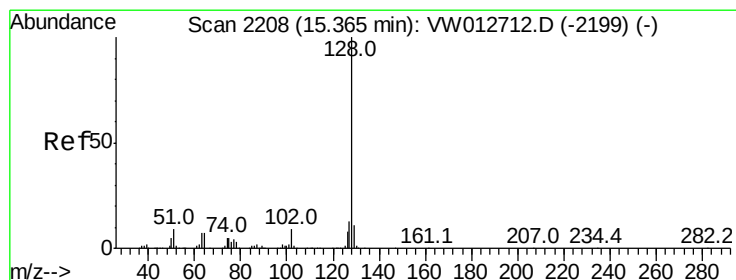
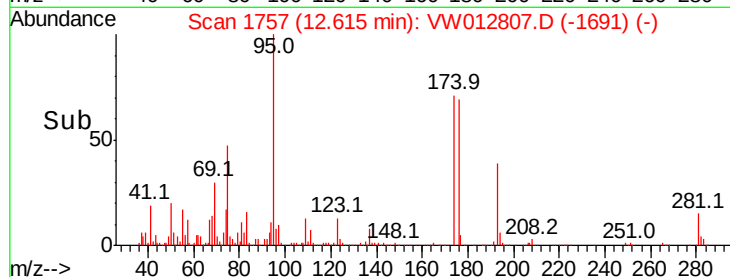
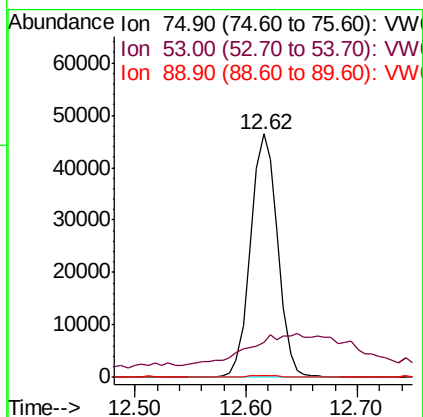
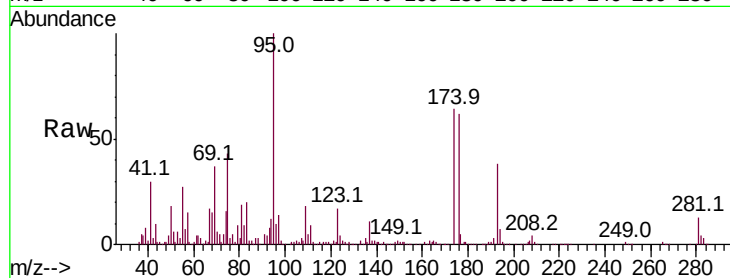
Tot Ion: 75 Resp: 78921

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.9 35.5 53.3#



#95

Naphthalene

Concen: 4.468 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012807.D

Acq: 09 Sep 2019 08:08

Tgt Ion: 128 Resp: 177

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 106.2 8.7 13.1#

