

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013432.D
 Acq On : 04 Oct 2019 12:00
 Operator : SY/VA
 Sample : VW1004SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 15:30:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	120626	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.88	113	118693	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	10.32	98	495244	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	164997	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

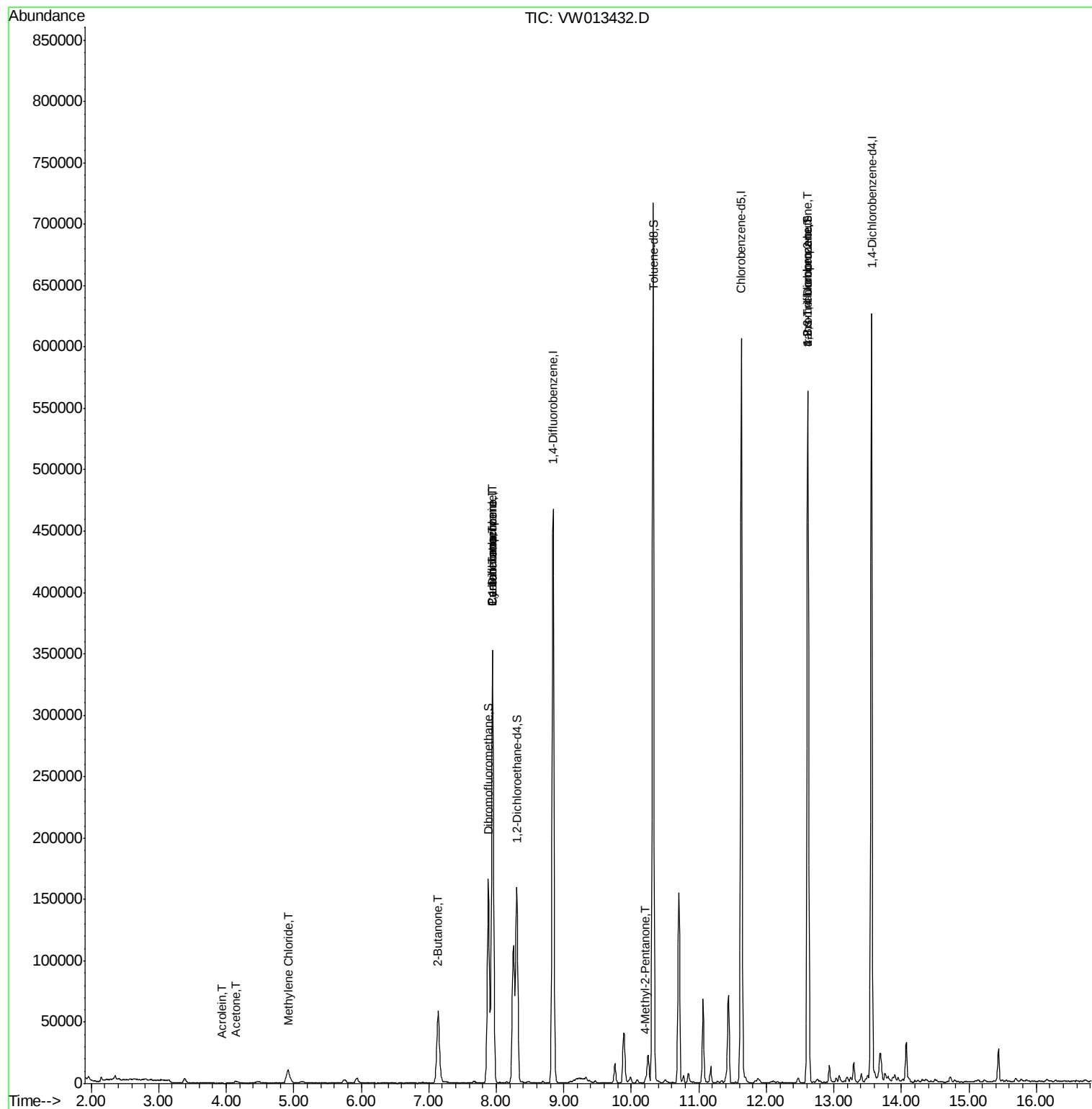
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	640	Below Cal	#	73
13) Acrolein	3.94	56	27	10.694	ug/l #	15
16) Acetone	4.14	43	3600	5.332	ug/l #	75
20) Methylene Chloride	4.91	84	8735	1.358	ug/l #	93
25) 2-Butanone	7.14	43	3229	3.738	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	4298	Below Cal	#	52
31) Cyclohexane	7.94	56	5268	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18953	4.806	ug/l #	48
38) Carbon Tetrachloride	7.95	117	25867	7.572	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	2165	1.258	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	78119	48.930	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78119	99.508	ug/l #	12

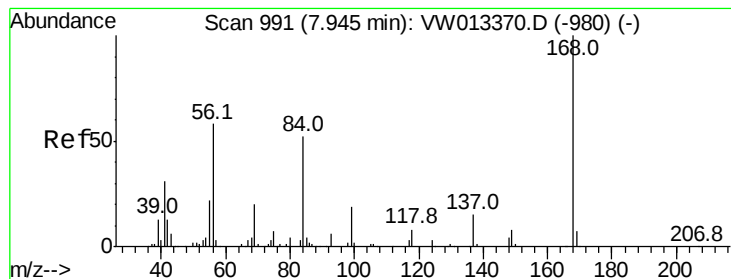
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 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: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :

MSVOA_W

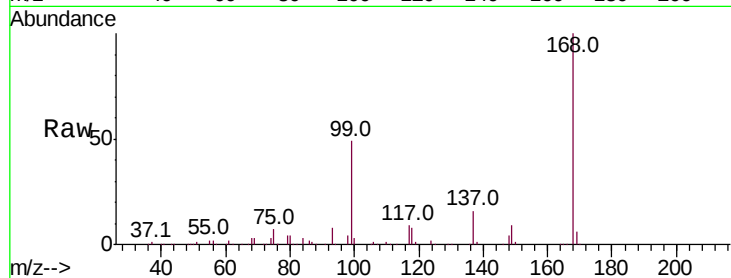
ClientSampled :

Tot Ion:168 Resp: 295006

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

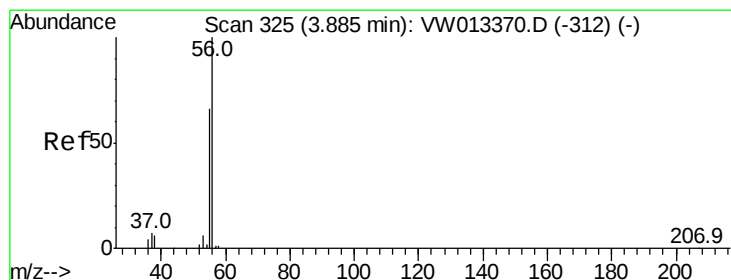
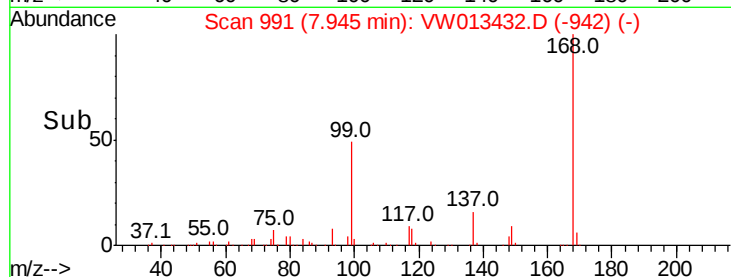
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 10.694 ug/l

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW013432.D

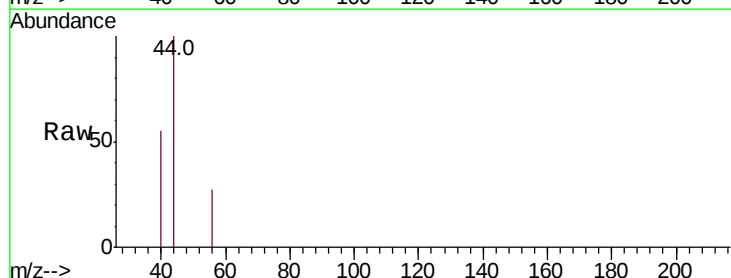
Acq: 04 Oct 2019 12:00

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.94

80

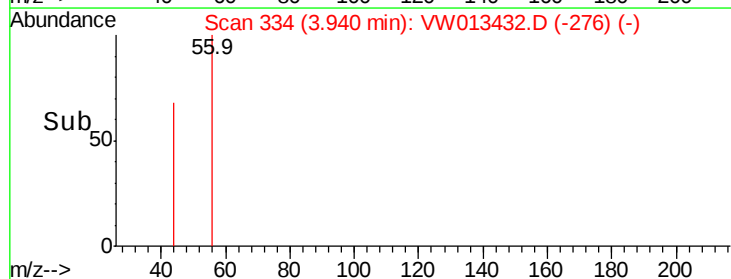
60

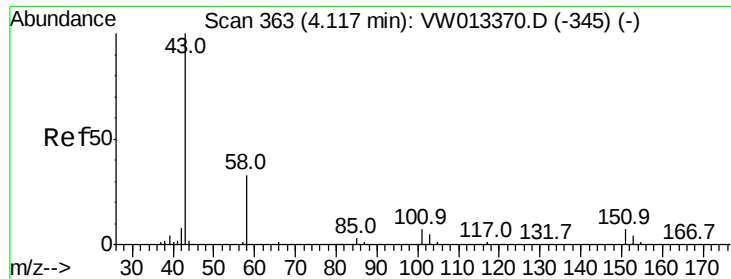
40

20

0

Time--> 3.92 3.93 3.94 3.95 3.96





#16

Acetone

Concen: 5.332 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :

MSVOA_W

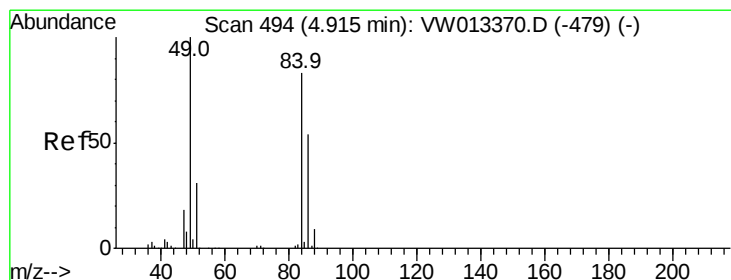
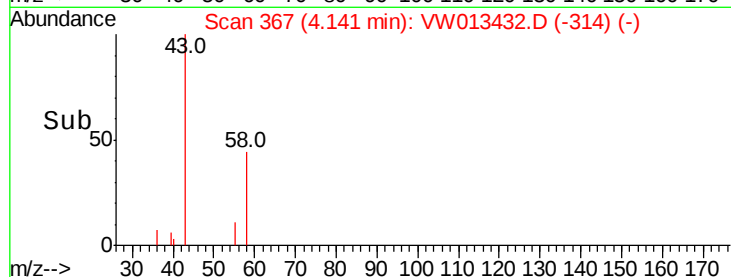
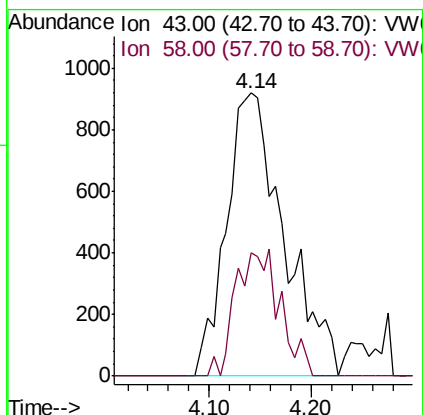
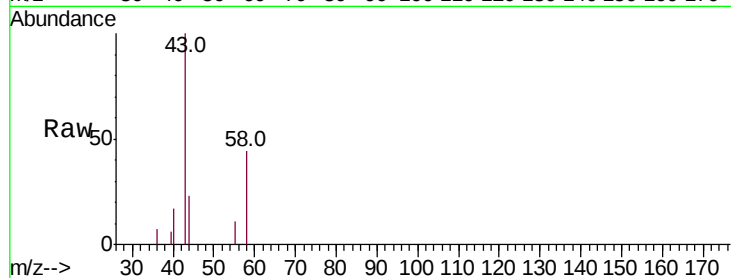
ClientSampled :

Tot Ion: 43 Resp: 3600

Ion Ratio Lower Upper

43 100

58 43.5 24.1 36.1#



#20

Methylene Chloride

Concen: 1.358 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Tgt Ion: 84 Resp: 8735

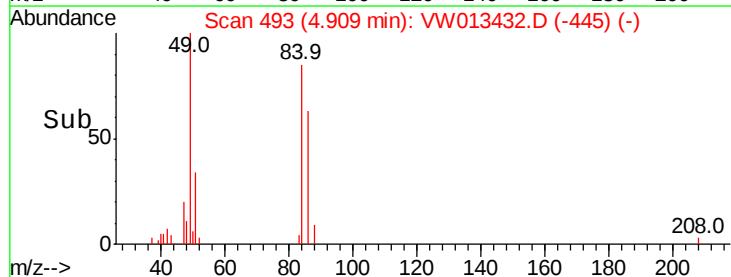
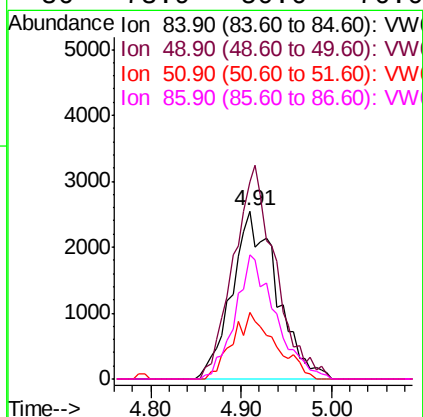
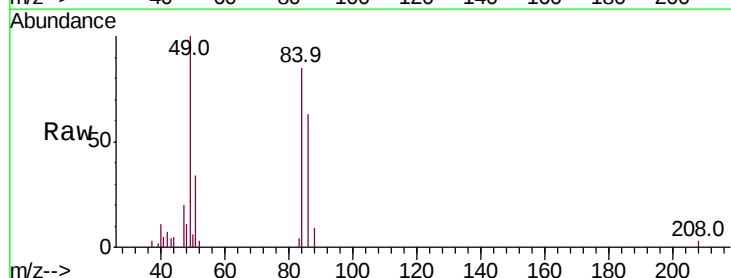
Ion Ratio Lower Upper

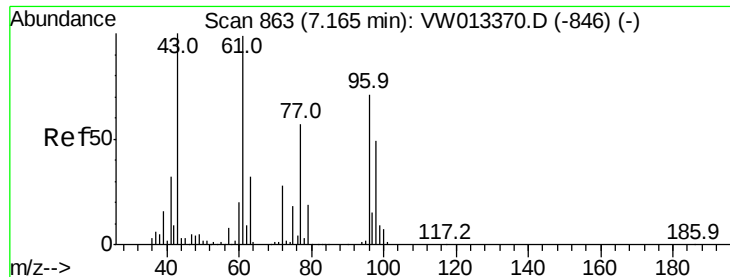
84 100

49 117.4 97.6 146.4

51 39.8 30.2 45.2

86 73.9 50.6 76.0





#25

2-Butanone

Concen: 3.738 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

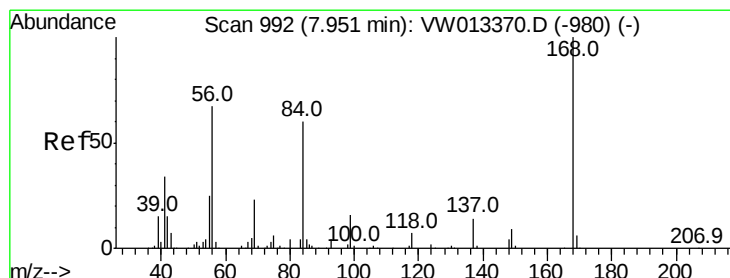
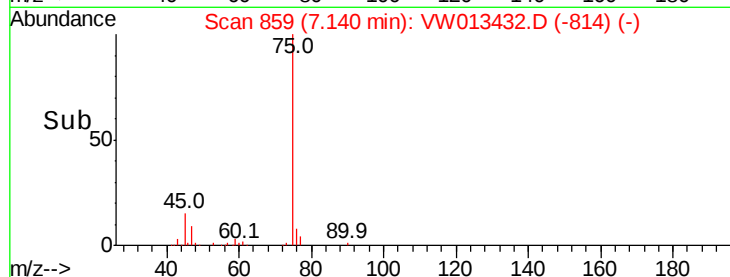
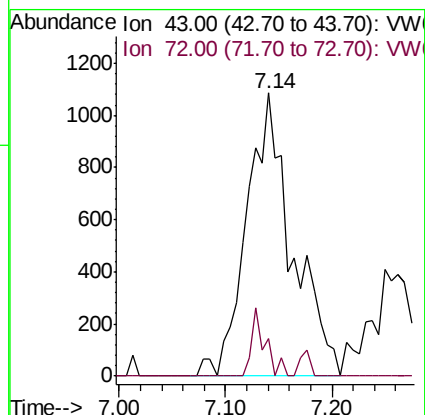
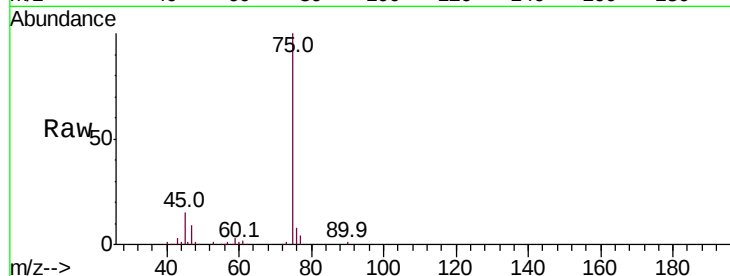
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3229

Ion Ratio Lower Upper

43 100

72 13.2 19.4 29.0#



#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

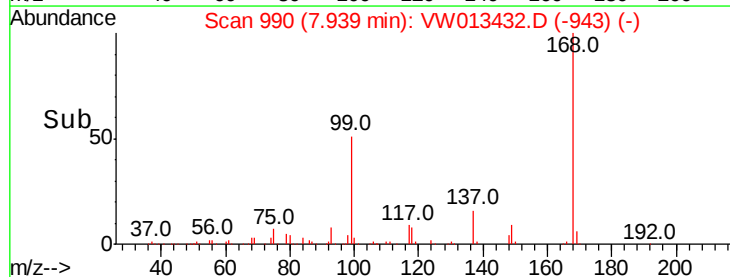
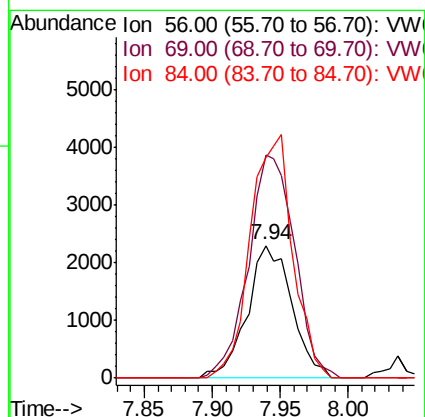
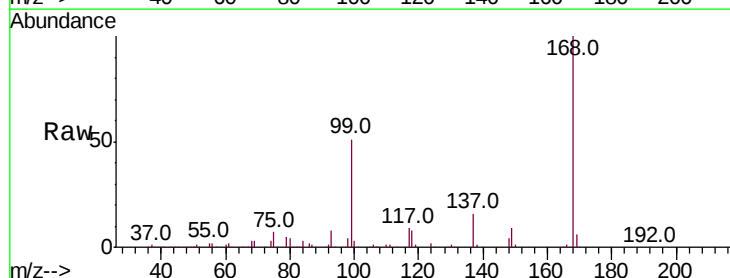
Tgt Ion: 56 Resp: 5268

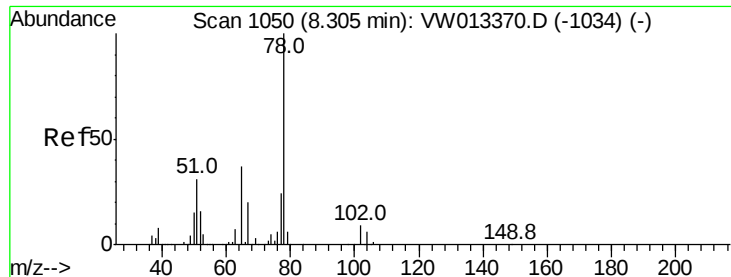
Ion Ratio Lower Upper

56 100

69 168.5 27.2 40.8#

84 166.0 70.8 106.2#





#33

1,2-Dichloroethane-d4

Concen: 54.762 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :

MSVOA_W

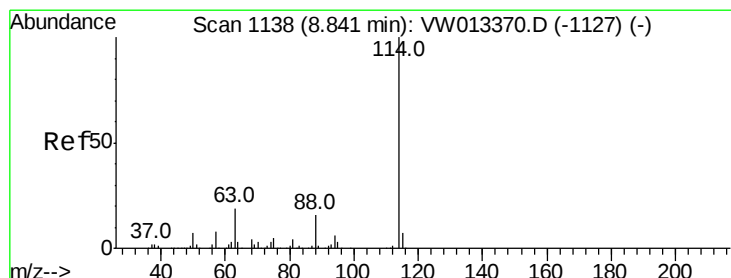
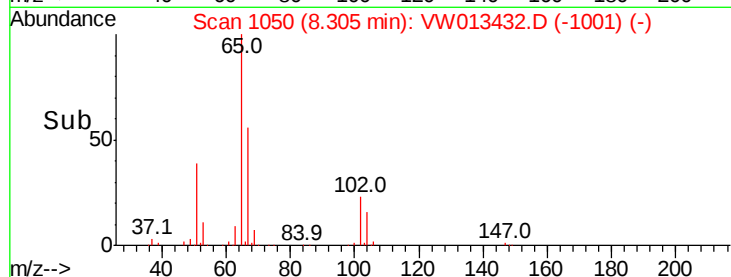
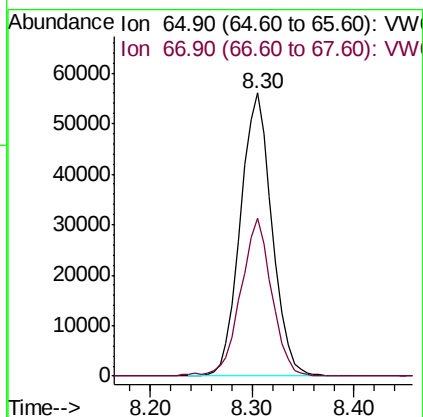
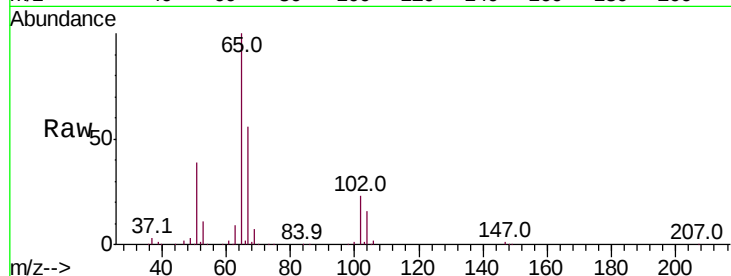
ClientSampleId :

Tot Ion: 65 Resp: 120626

Ion Ratio Lower Upper

65 100

67 55.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

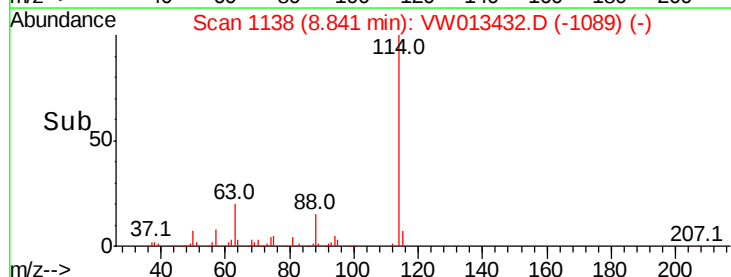
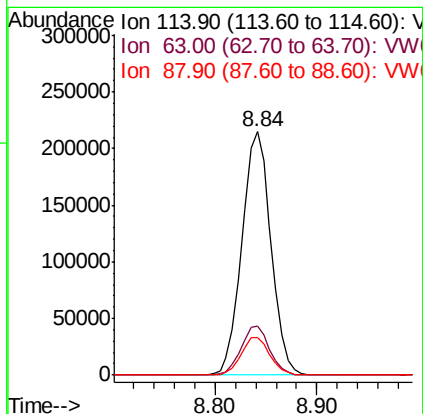
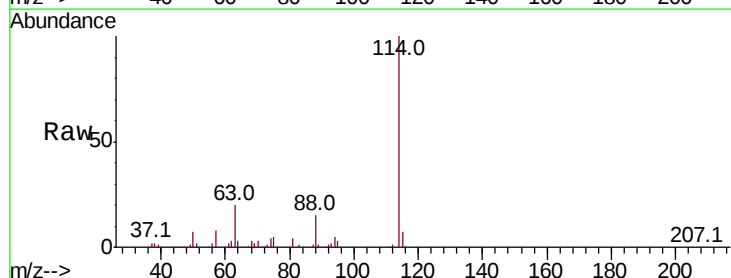
Tgt Ion: 114 Resp: 424598

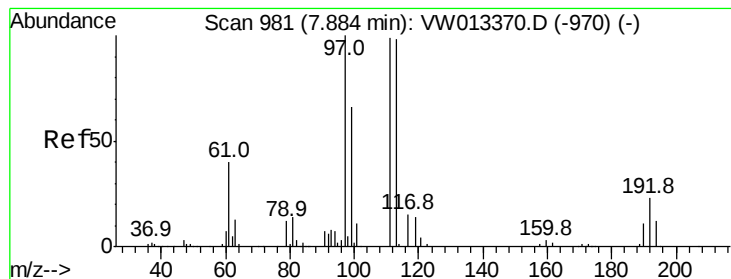
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.274 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

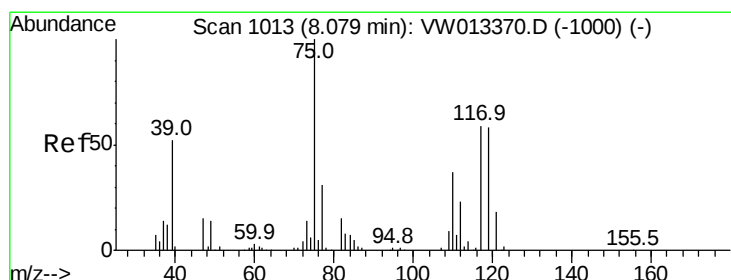
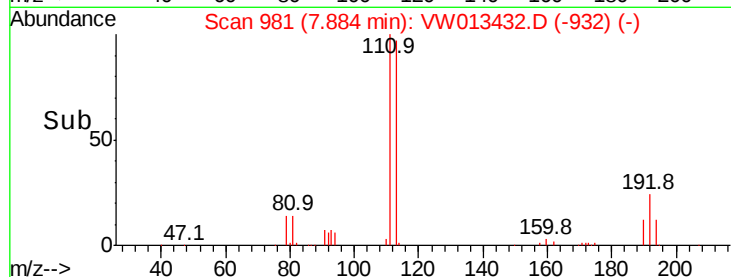
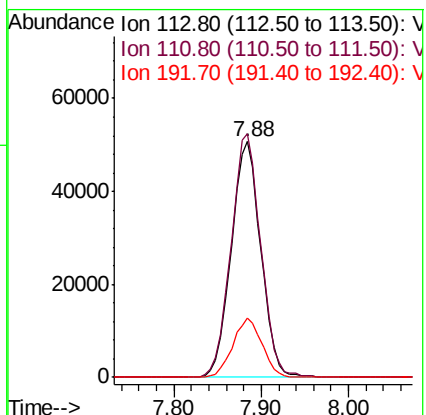
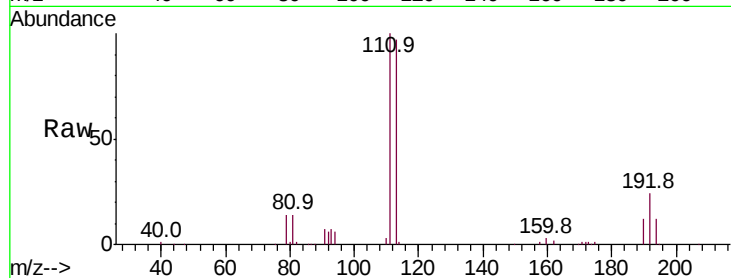
Tot Ion:113 Resp: 118693

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

192 24.8 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

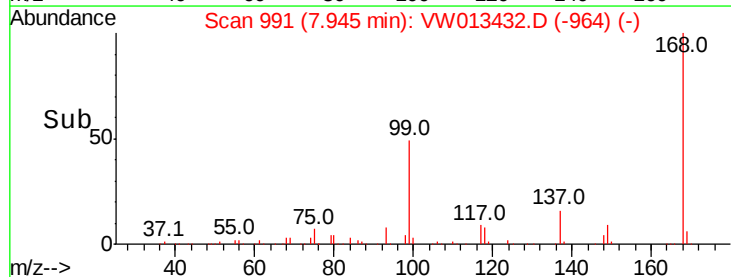
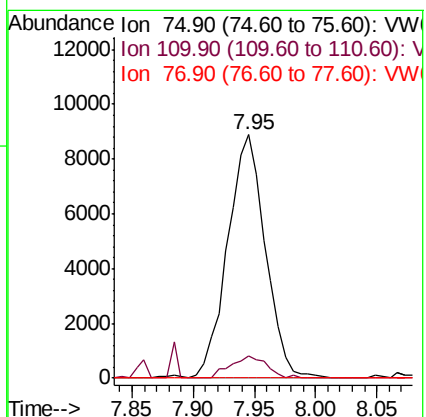
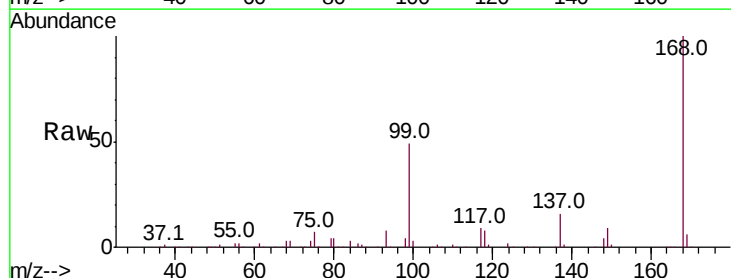
Tgt Ion: 75 Resp: 18953

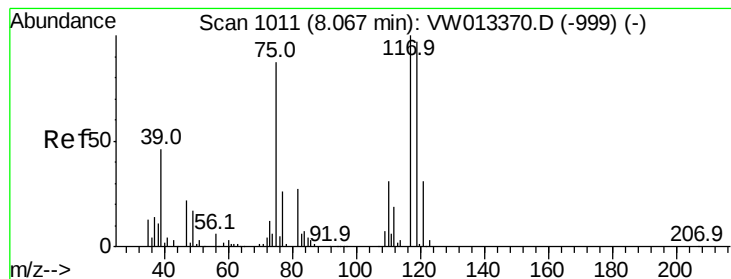
Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.3#

77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 7.572 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :
MSVOA_W
ClientSampleId :

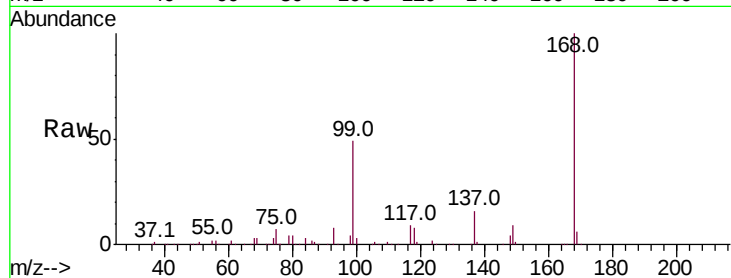
Tot Ion:117 Resp: 25867

Ion Ratio Lower Upper

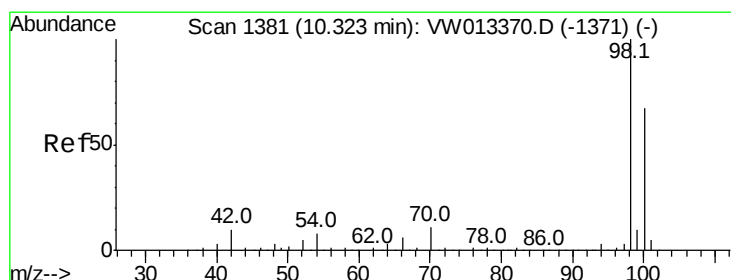
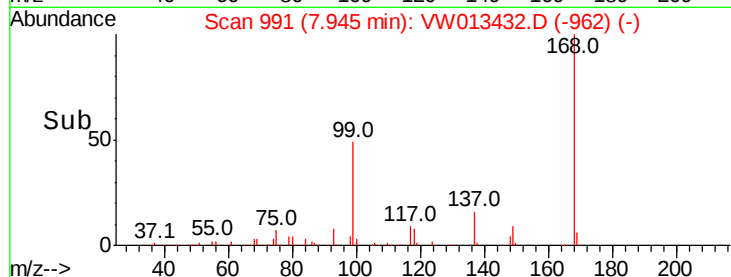
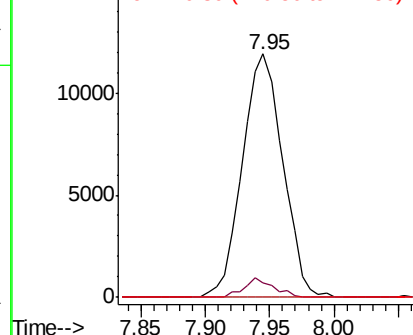
117 100

119 5.9 73.5 110.3#

121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 53.565 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013432.D

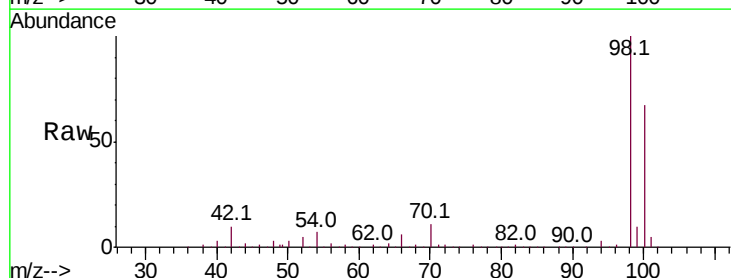
Acq: 04 Oct 2019 12:00

Tgt Ion: 98 Resp: 495244

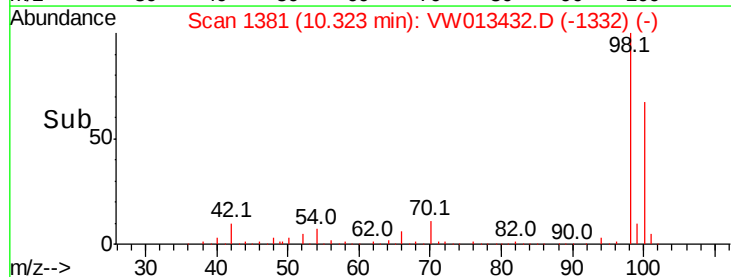
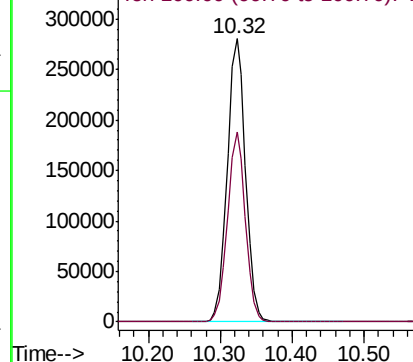
Ion Ratio Lower Upper

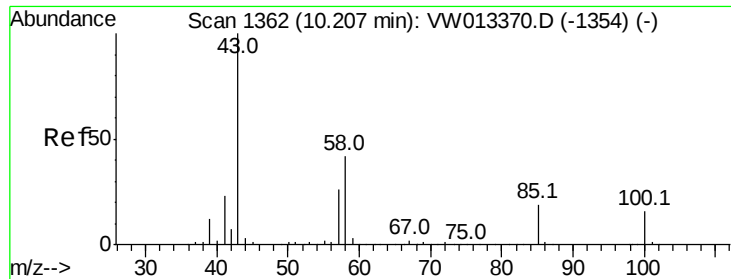
98 100

100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.258 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :

MSVOA_W

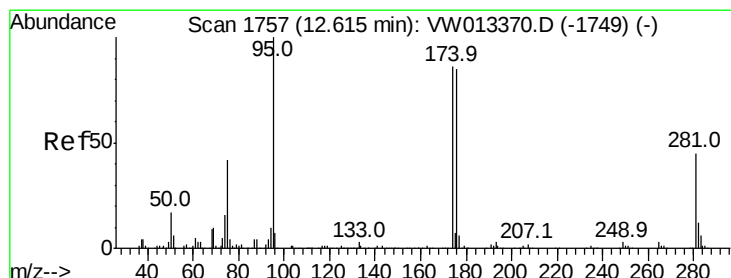
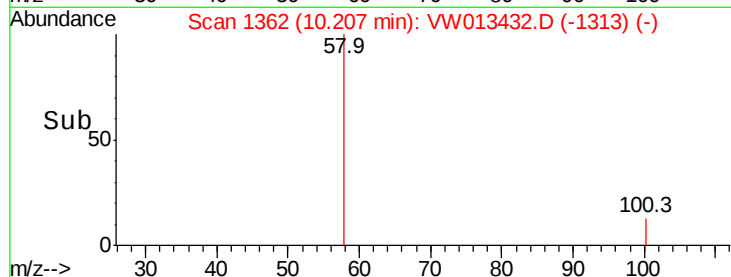
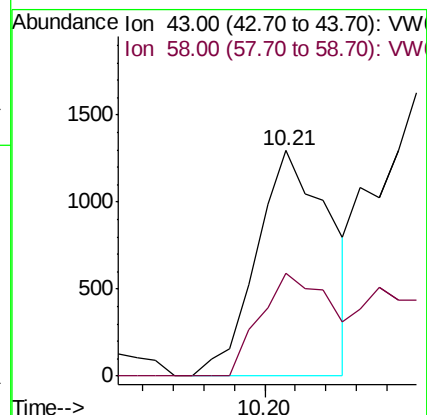
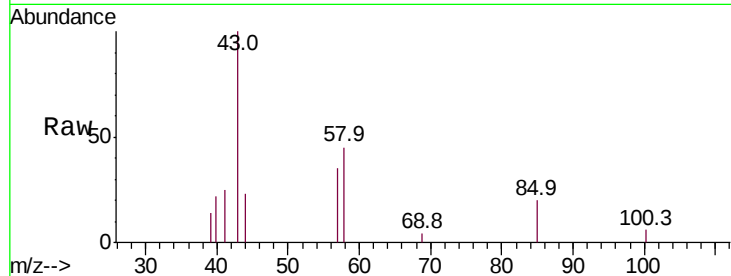
ClientSampleId :

Tot Ion: 43 Resp: 2165

Ion Ratio Lower Upper

43 100

58 43.3 31.7 47.5



#62

4-Bromofluorobenzene

Concen: 53.441 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

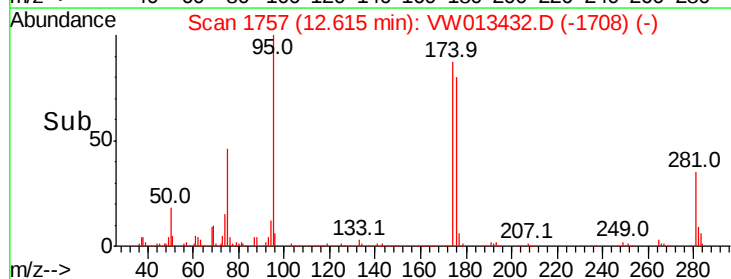
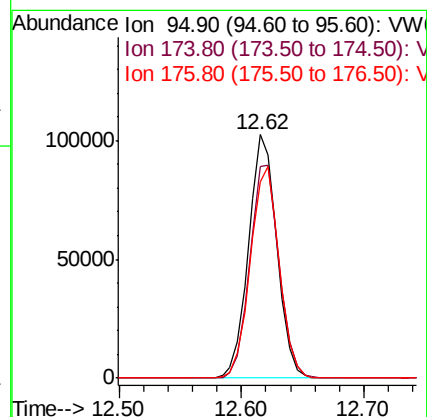
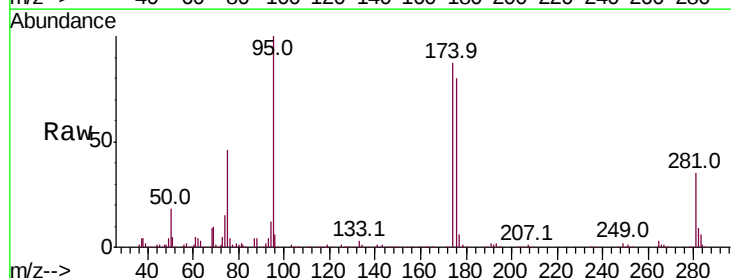
Tgt Ion: 95 Resp: 164997

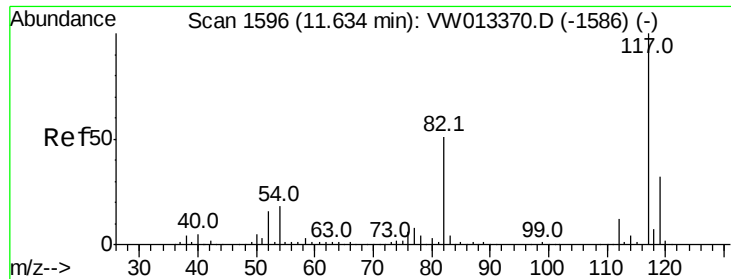
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 88.6 0.0 172.2

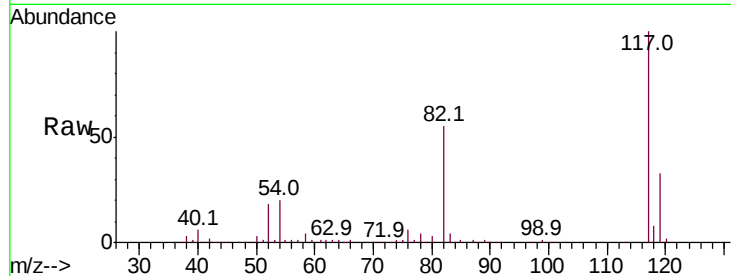




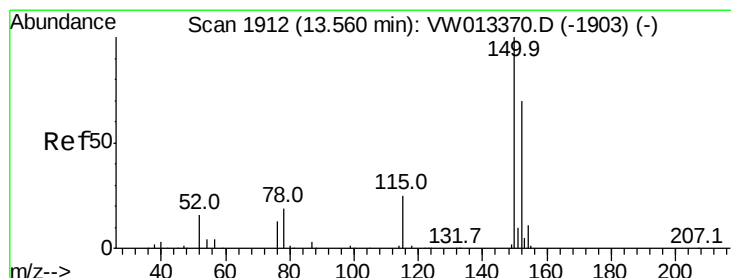
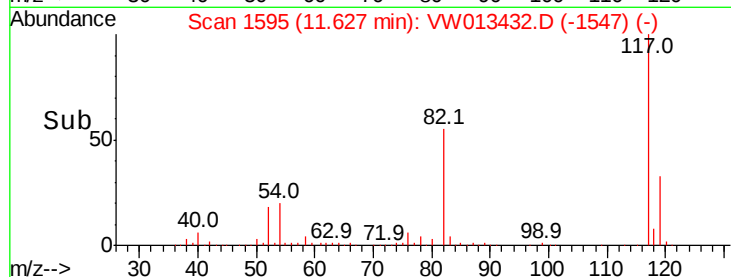
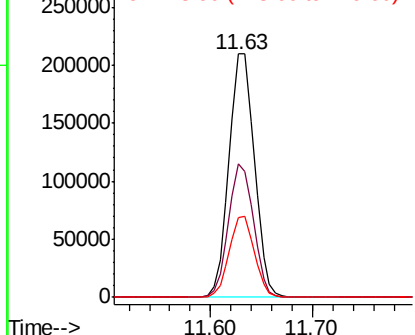
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013432.D
Acq: 04 Oct 2019 12:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 362084
Ion Ratio Lower Upper
117 100
82 54.8 45.9 68.9
119 32.7 26.2 39.2

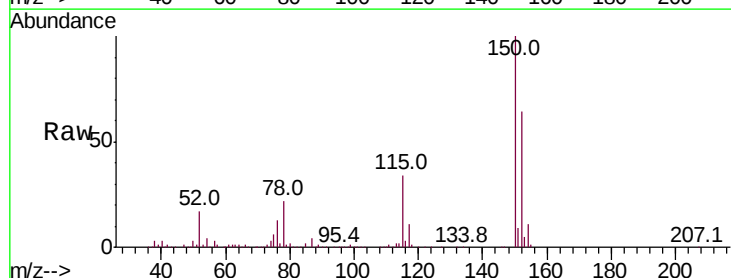


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

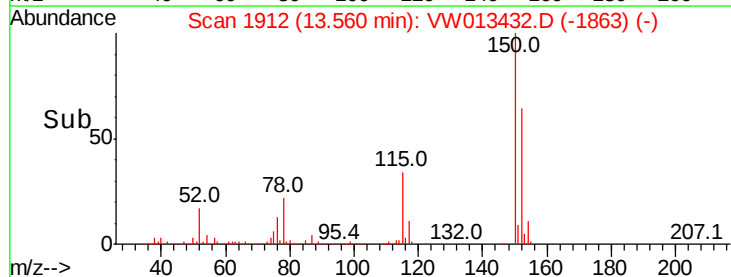
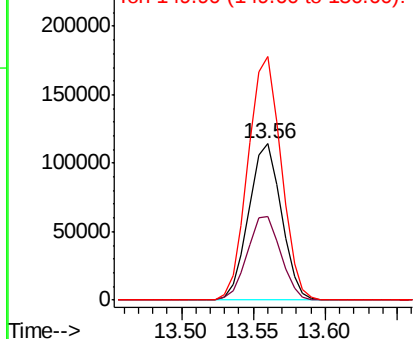


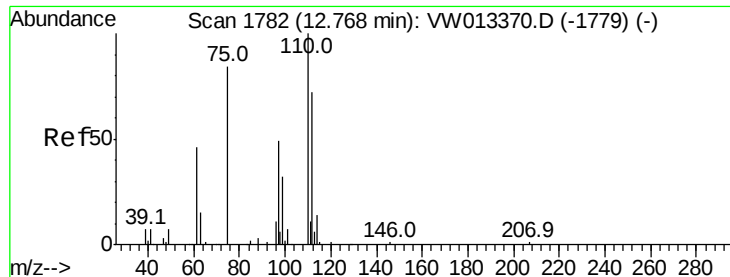
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013432.D
Acq: 04 Oct 2019 12:00

Tgt Ion:152 Resp: 179637
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 157.8 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: 48.930 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

Instrument :

MSVOA_W

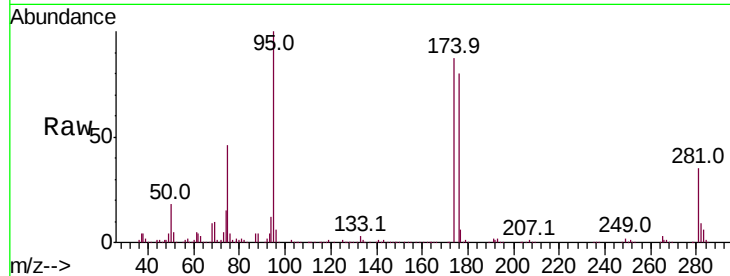
ClientSampled :

Tot Ion: 75 Resp: 78119

Ion Ratio Lower Upper

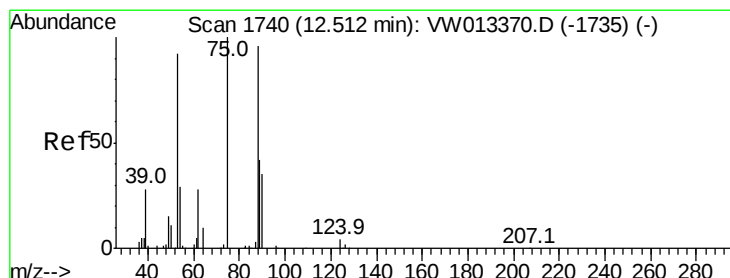
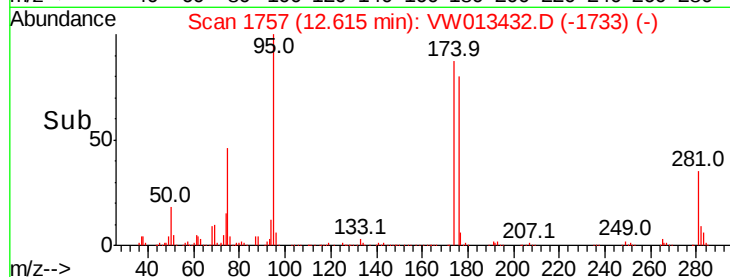
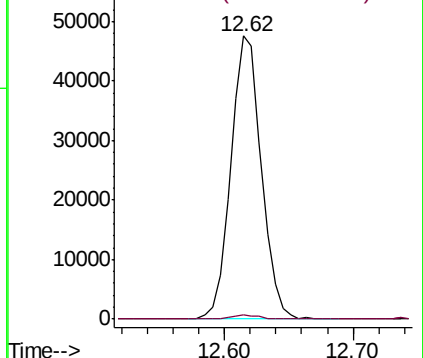
75 100

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: 99.508 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013432.D

Acq: 04 Oct 2019 12:00

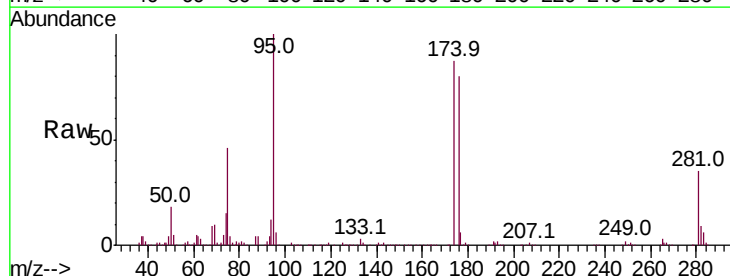
Tgt Ion: 75 Resp: 78119

Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.1 33.5 50.3#



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

