

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013471.D
 Acq On : 07 Oct 2019 18:37
 Operator : SY/VA
 Sample : K5213-04
 Misc : 5.13G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 08 10:41:52 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

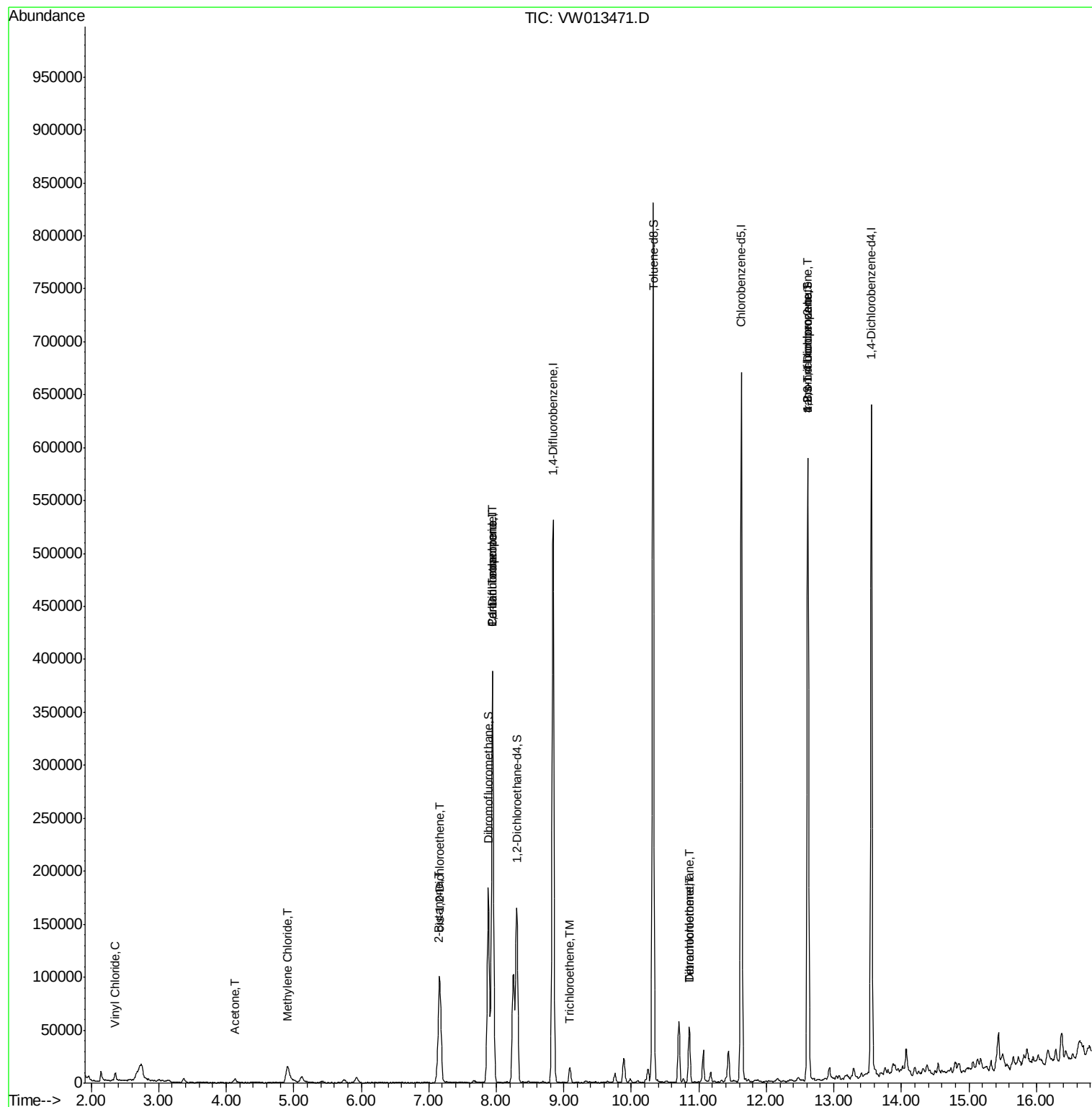
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	326326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	485821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	127055	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.88	113	132792	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.32	98	563497	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.62	95	179305	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.35	62	5158	1.745	ug/l #	84
11) Tert butyl alcohol	5.12	59	5609	Below Cal	#	74
16) Acetone	4.13	43	6772	9.067	ug/l	95
20) Methylene Chloride	4.91	84	13048	2.484	ug/l	88
25) 2-Butanone	7.15	43	2205	2.307	ug/l	98
26) 2,2-Dichloropropane	7.14	77	2756	Below Cal	#	52
27) cis-1,2-Dichloroethene	7.16	96	48165	14.384	ug/l	92
36) 1,1-Dichloropropene	7.94	75	20568	4.558	ug/l #	47
38) Carbon Tetrachloride	7.95	117	26803	6.857	ug/l #	18
44) Trichloroethene	9.09	130	5793	1.610	ug/l	94
60) Dibromochloromethane	10.86	129	9986	3.830	ug/l #	11
64) Tetrachloroethene	10.86	164	12256	3.927	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	83446	50.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83446	102.490	ug/l #	12

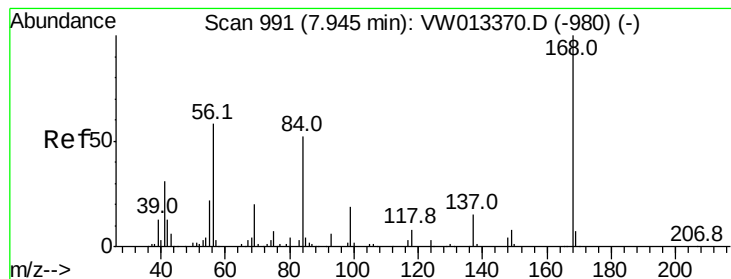
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013471.D

Acq: 07 Oct 2019 18:37

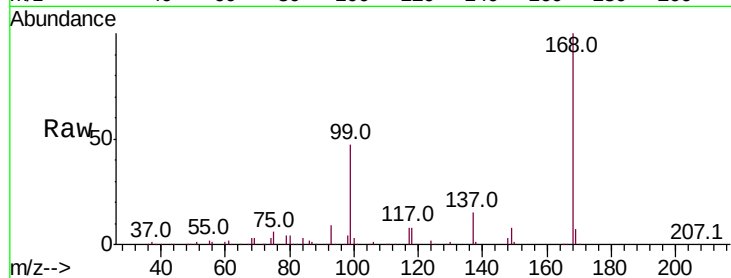
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 326326

Ion Ratio Lower Upper

168 100

99 46.8 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

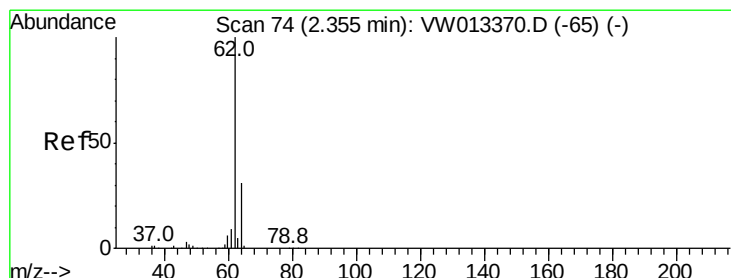
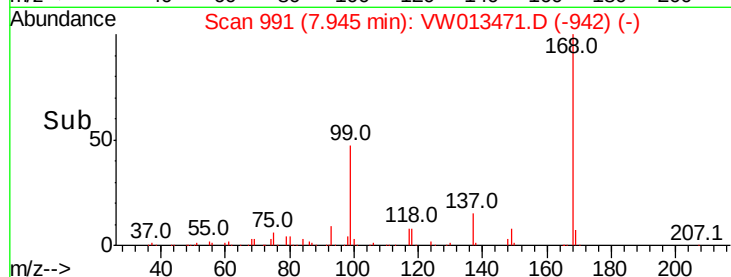
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 1.745 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013471.D

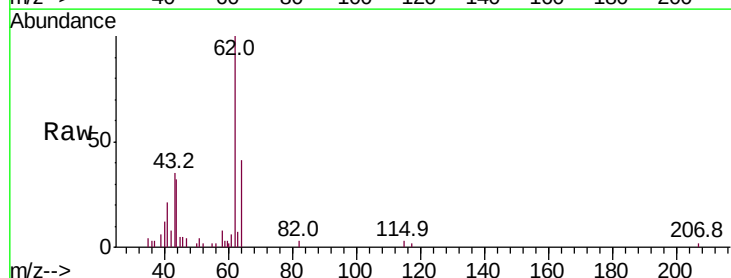
Acq: 07 Oct 2019 18:37

Tgt Ion: 62 Resp: 5158

Ion Ratio Lower Upper

62 100

64 40.6 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

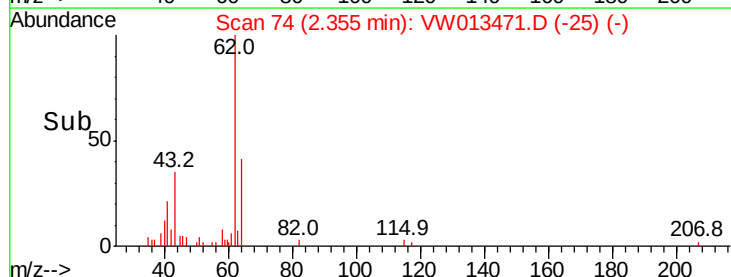
3000

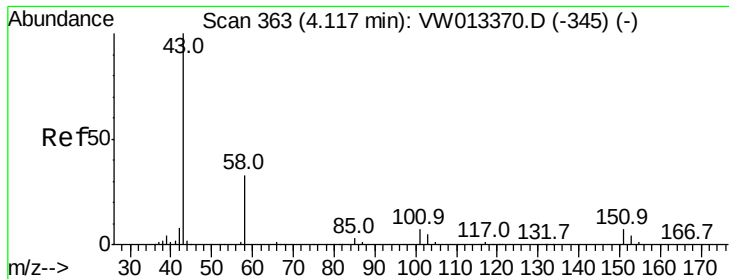
2000

1000

0

Time--> 2.30 2.35 2.40





#16

Acetone

Concen: 9.067 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

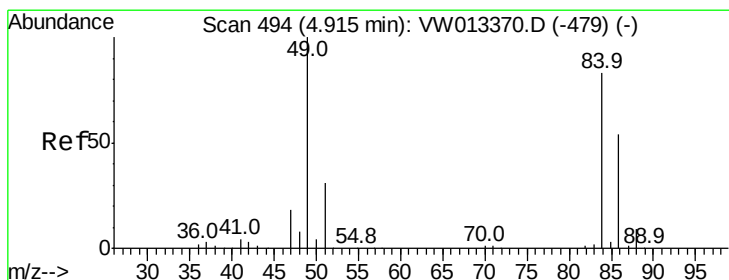
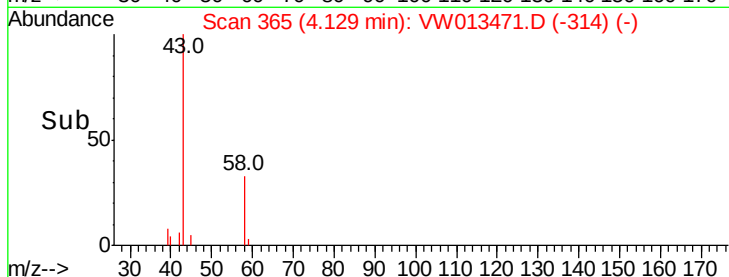
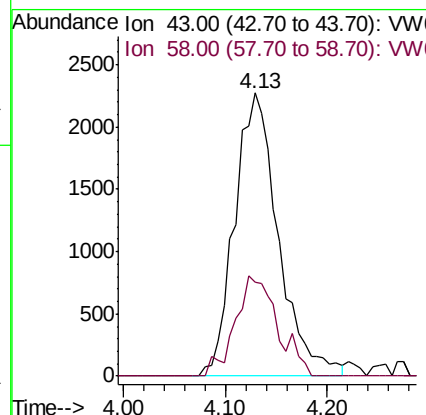
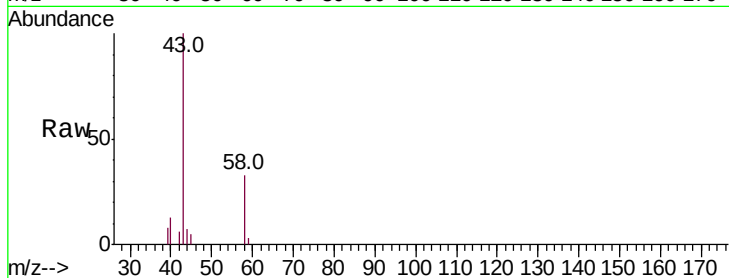
ClientSampled :

Tot Ion: 43 Resp: 6772

Ion Ratio Lower Upper

43 100

58 33.0 24.1 36.1



#20

Methylene Chloride

Concen: 2.484 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Tgt Ion: 84 Resp: 13048

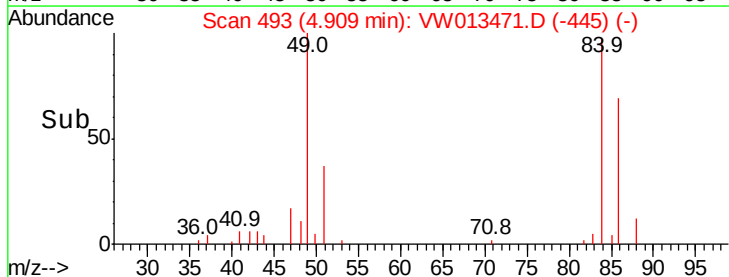
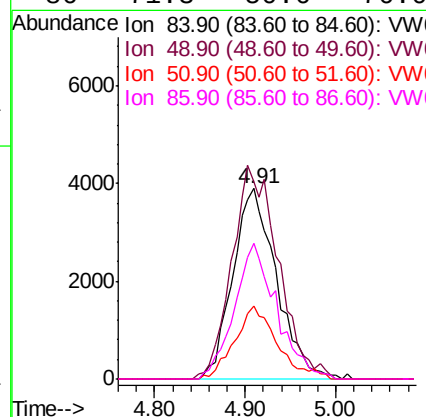
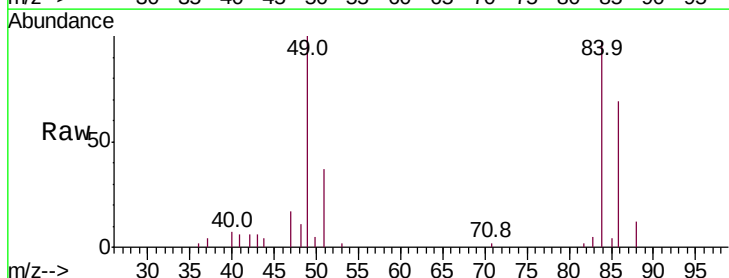
Ion Ratio Lower Upper

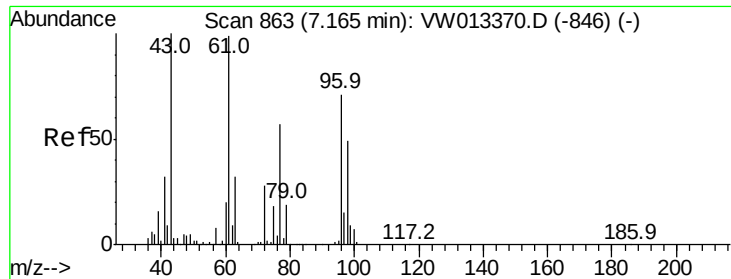
84 100

49 103.3 97.6 146.4

51 38.1 30.2 45.2

86 71.3 50.6 76.0





#25

2-Butanone

Concen: 2.307 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

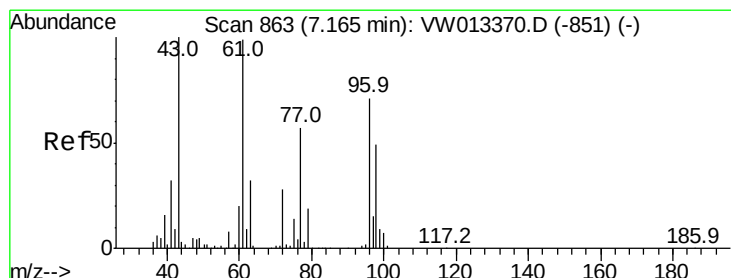
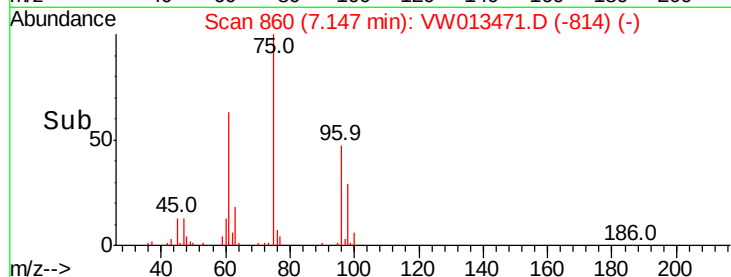
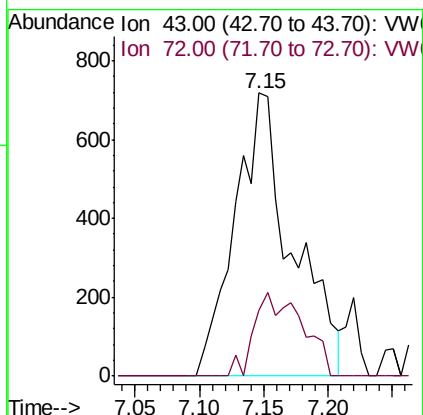
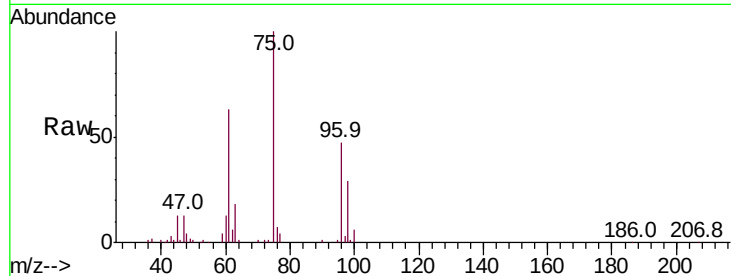
ClientSampled :

Tot Ion: 43 Resp: 2205

Ion Ratio Lower Upper

43 100

72 23.1 19.4 29.0



#27

cis-1,2-Dichloroethene

Concen: 14.384 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

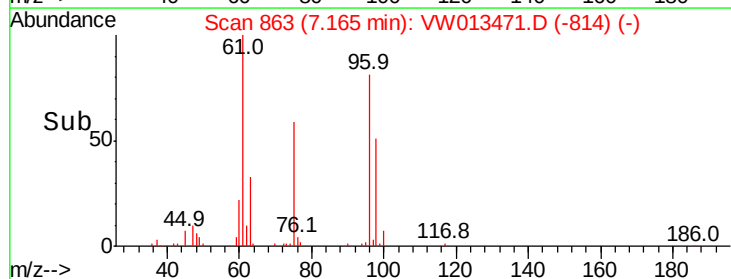
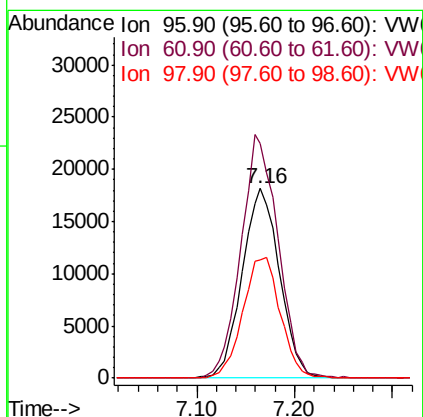
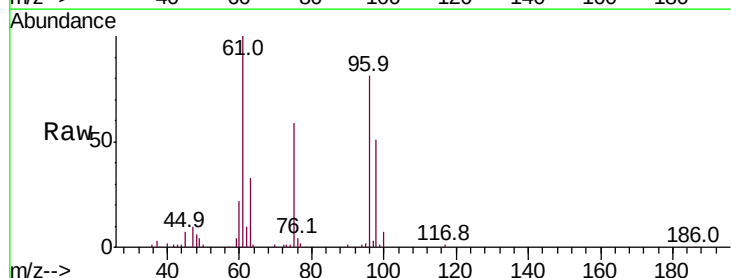
Tgt Ion: 96 Resp: 48165

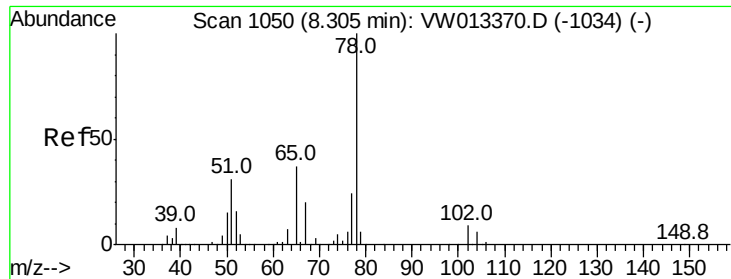
Ion Ratio Lower Upper

96 100

61 127.7 0.0 282.4

98 63.9 0.0 128.2

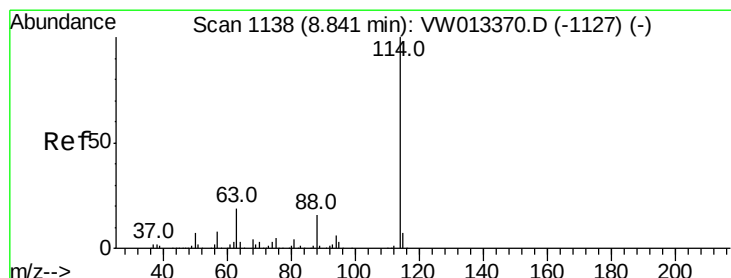
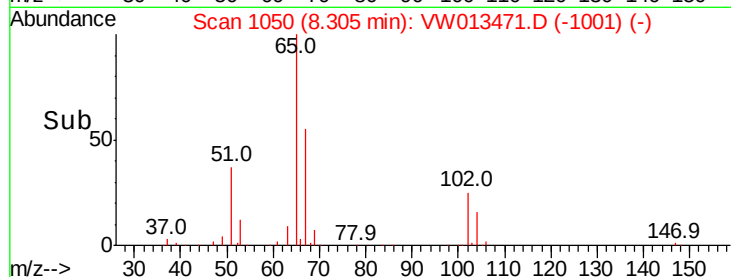
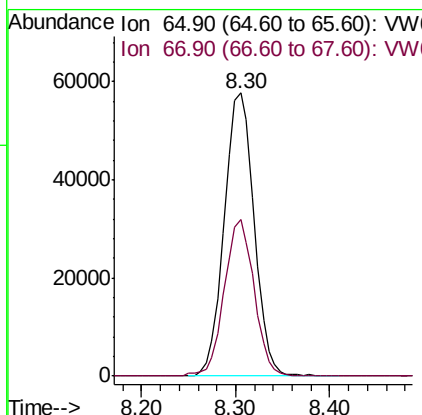
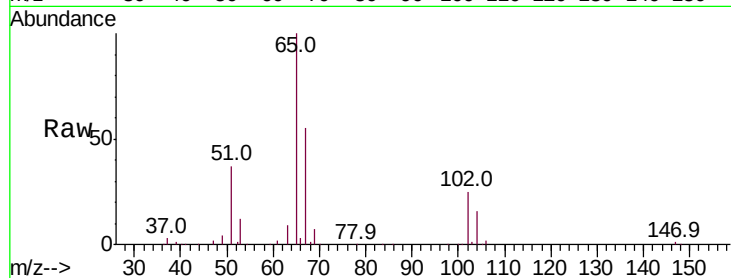




#33
 1,2-Dichloroethane-d4
 Concen: 52.145 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013471.D
 Acq: 07 Oct 2019 18:37

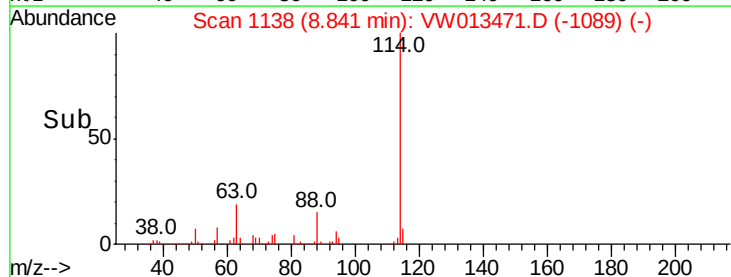
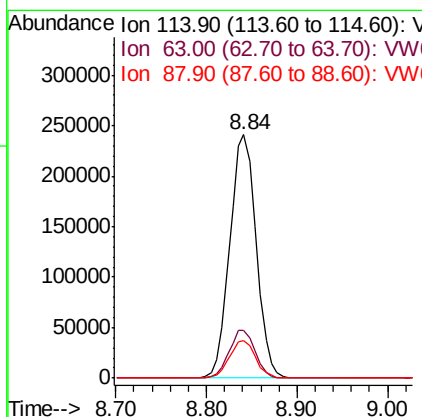
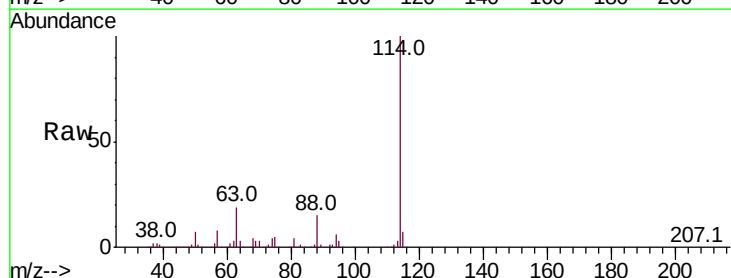
Instrument :
 MSVOA_W
 ClientSampleId :

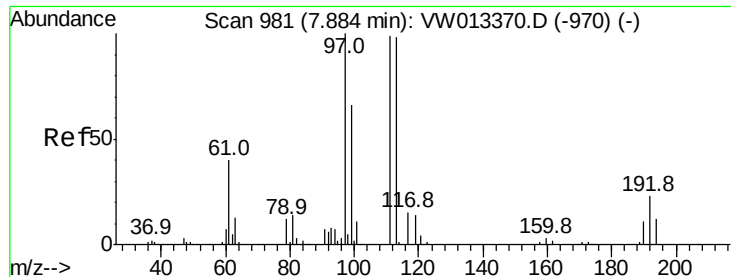
Tot Ion: 65 Resp: 127055
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013471.D
 Acq: 07 Oct 2019 18:37

Tgt Ion: 114 Resp: 485821
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.091 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

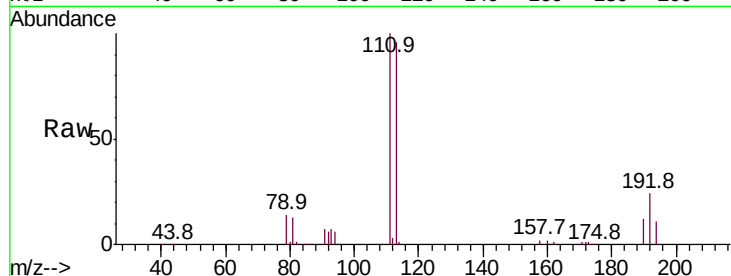
Tot Ion:113 Resp: 132792

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

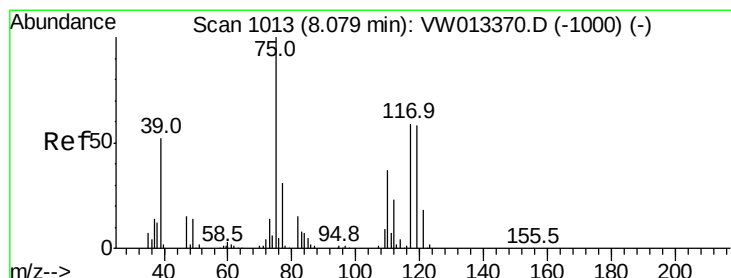
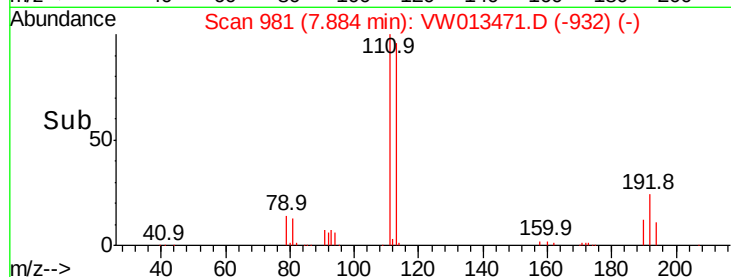
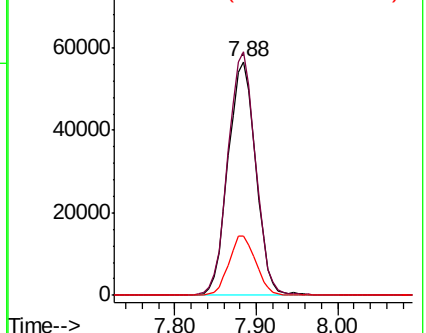
192 24.6 19.1 28.7



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: 4.558 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

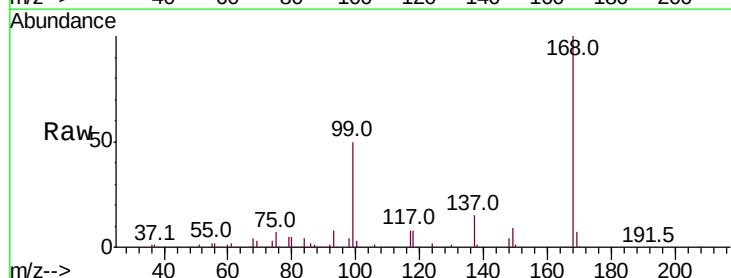
Tgt Ion: 75 Resp: 20568

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.3#

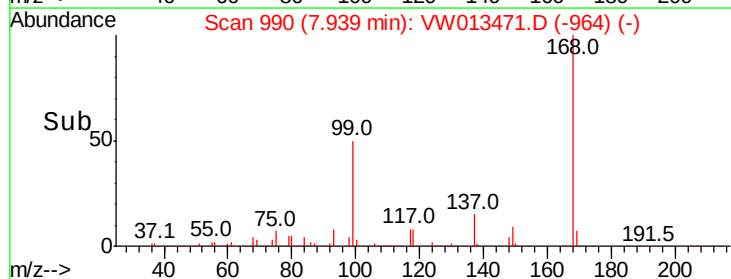
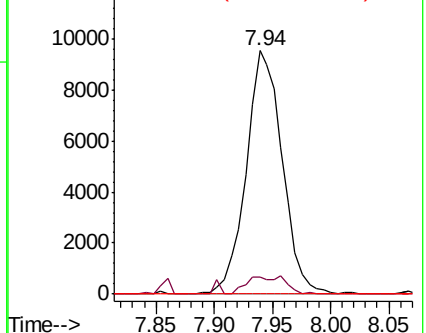
77 0.0 25.8 38.6#

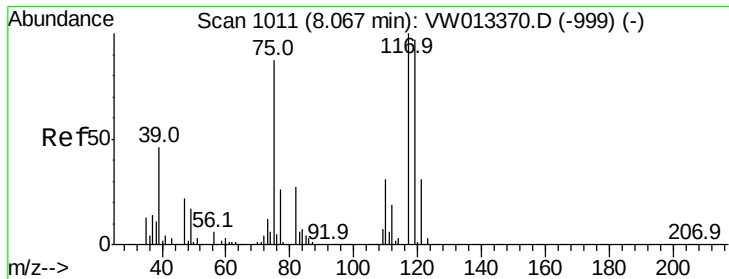


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.857 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

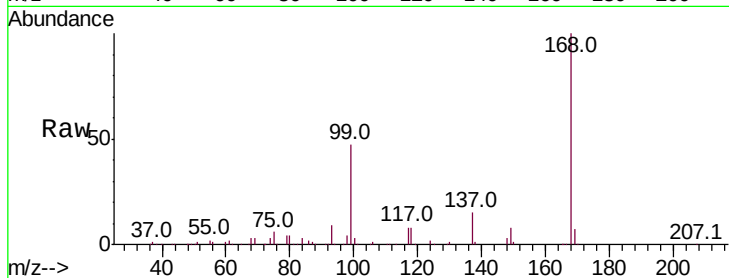
Tot Ion:117 Resp: 26803

Ion Ratio Lower Upper

117 100

119 5.5 73.5 110.3#

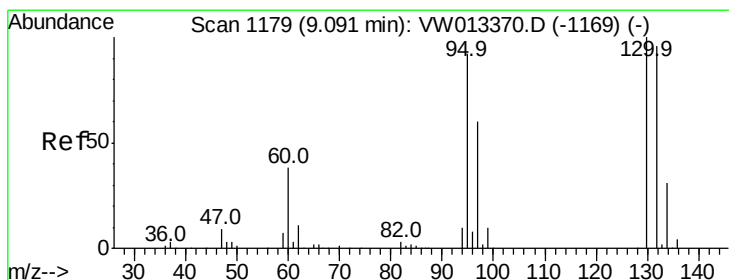
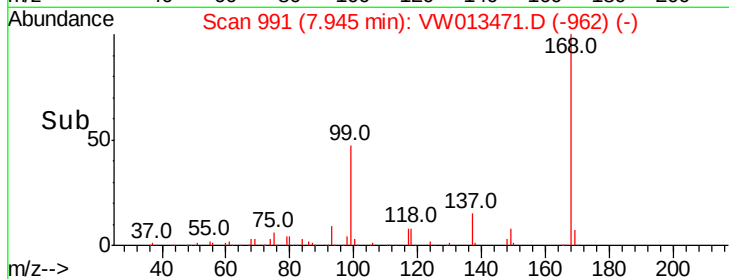
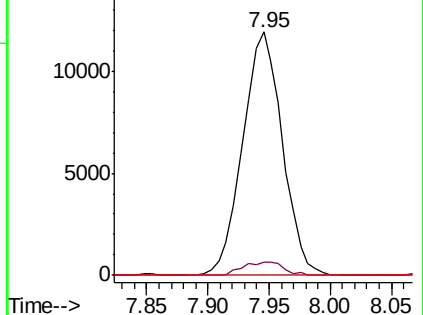
121 0.0 25.0 37.6#



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



#44

Trichloroethene

Concen: 1.610 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013471.D

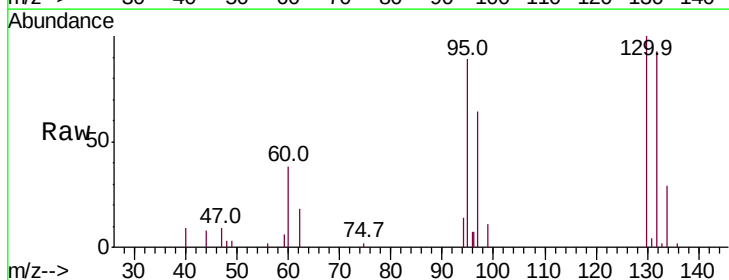
Acq: 07 Oct 2019 18:37

Tgt Ion:130 Resp: 5793

Ion Ratio Lower Upper

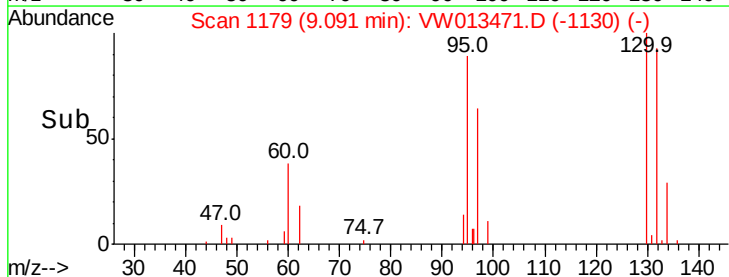
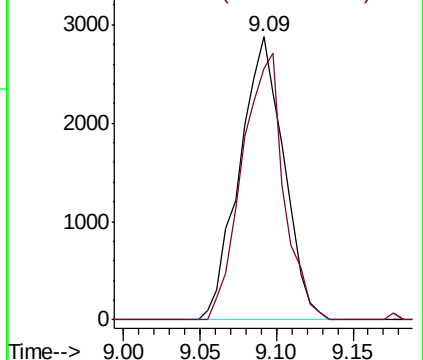
130 100

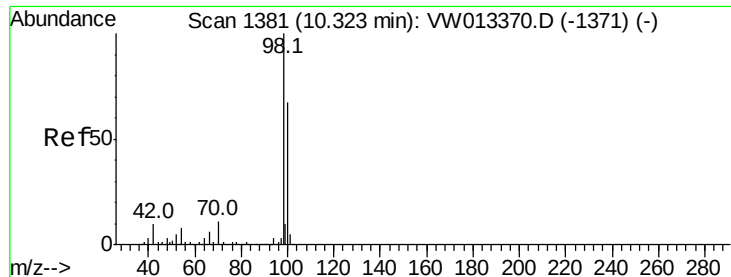
95 88.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 53.267 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

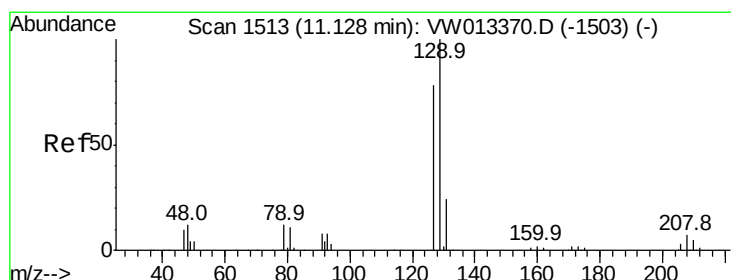
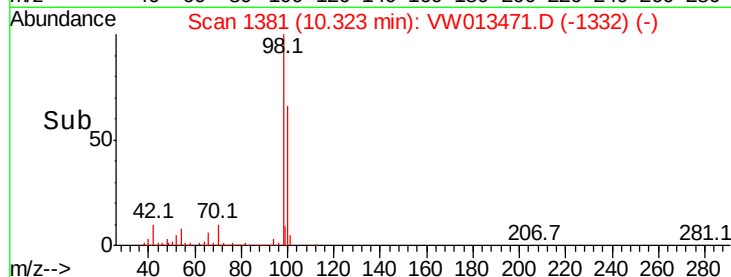
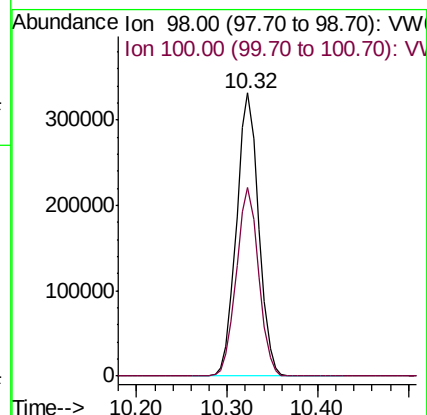
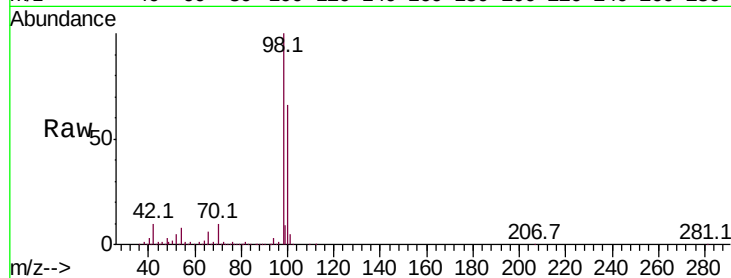
ClientSampleId :

Tot Ion: 98 Resp: 563497

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3



#60

Dibromochloromethane

Concen: 3.830 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW013471.D

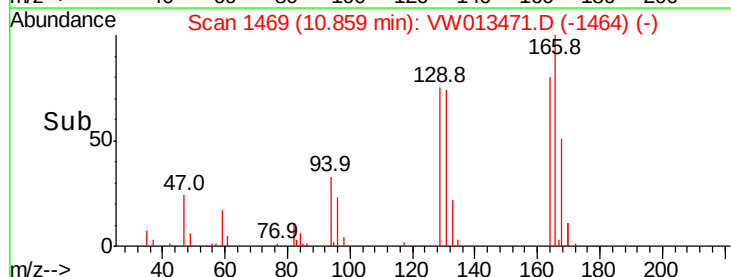
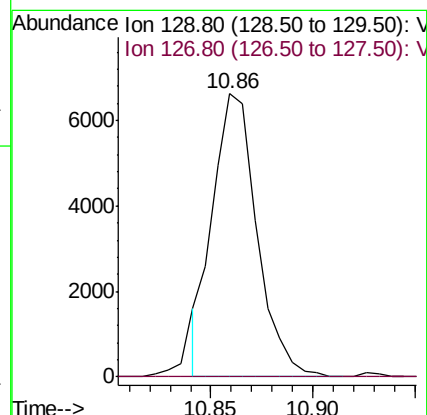
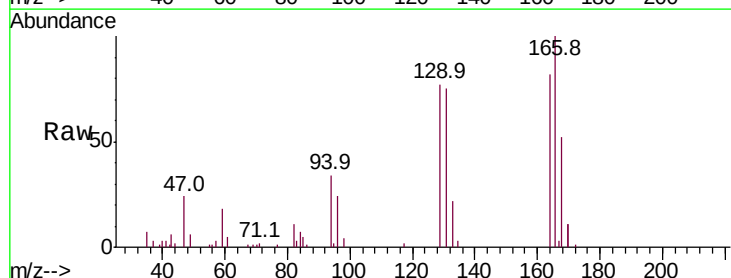
Acq: 07 Oct 2019 18:37

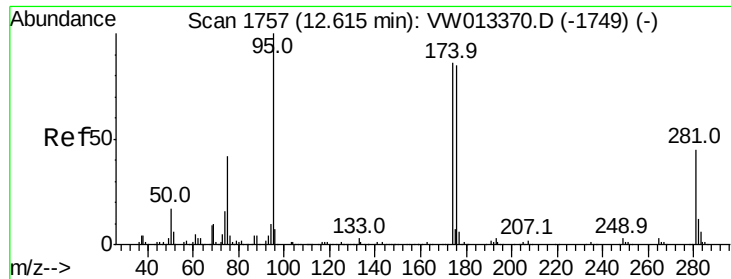
Tgt Ion: 129 Resp: 9986

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 50.757 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

ClientSampled :

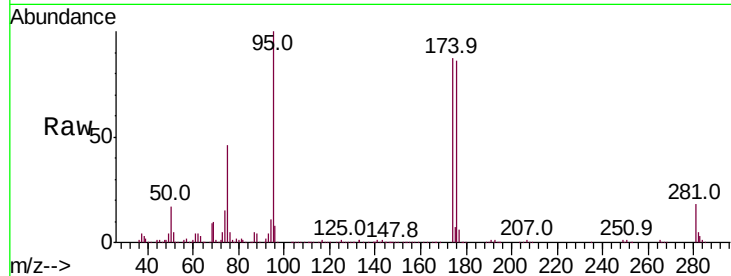
Tot Ion: 95 Resp: 179305

Ion Ratio Lower Upper

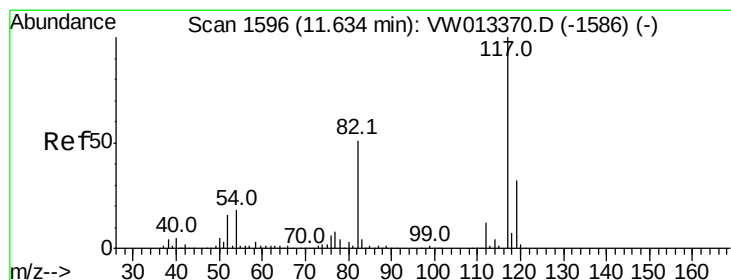
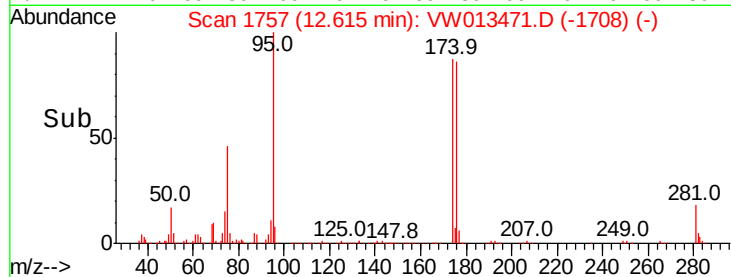
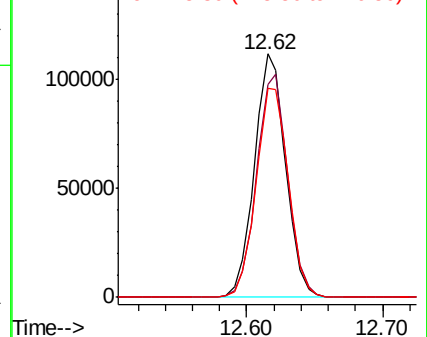
95 100

174 92.0 0.0 178.4

176 89.4 0.0 172.2



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# 1596

Delta R.T. -0.00 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

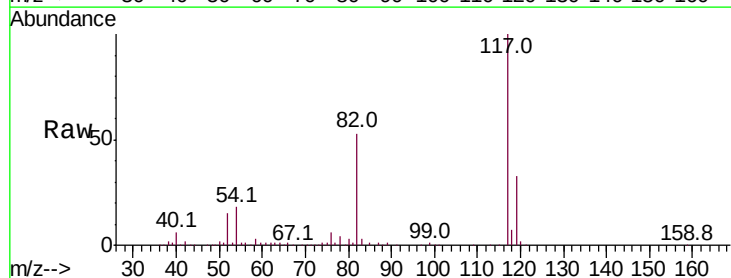
Tgt Ion: 117 Resp: 410272

Ion Ratio Lower Upper

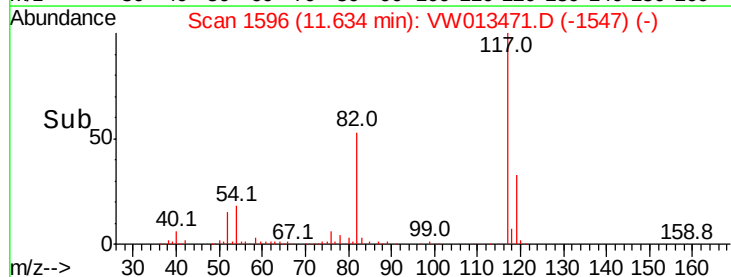
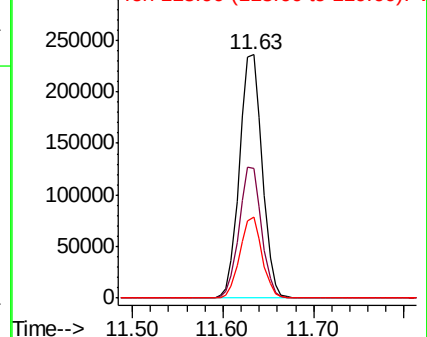
117 100

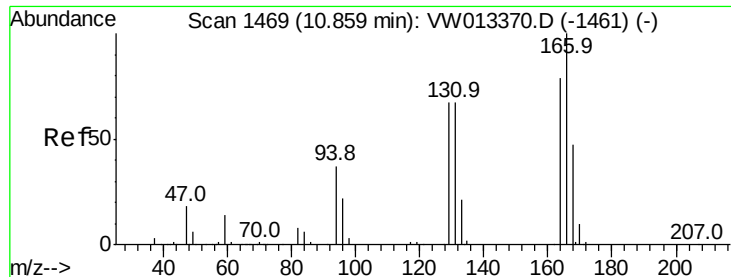
82 53.2 45.9 68.9

119 33.3 26.2 39.2



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

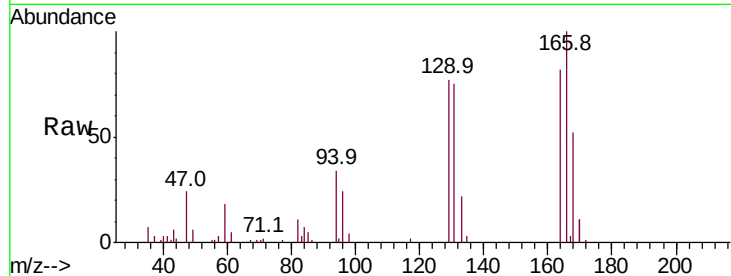




#64
Tetrachloroethene
Concen: 3.927 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013471.D
Acq: 07 Oct 2019 18:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.2	151.8
129	94.1	68.8	103.2
131	91.7	65.2	97.8



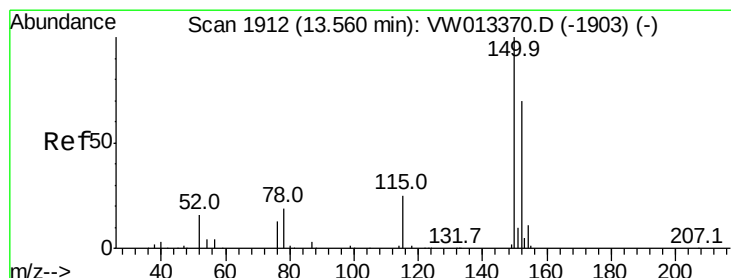
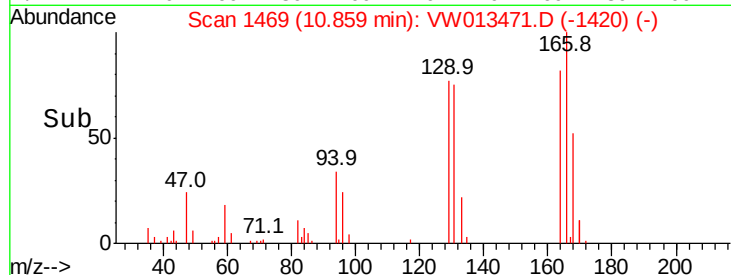
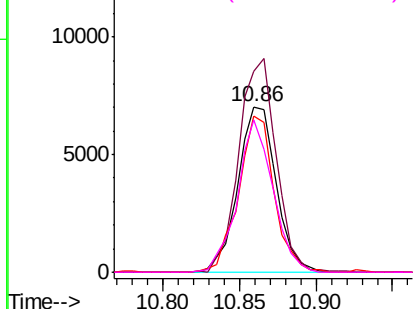
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

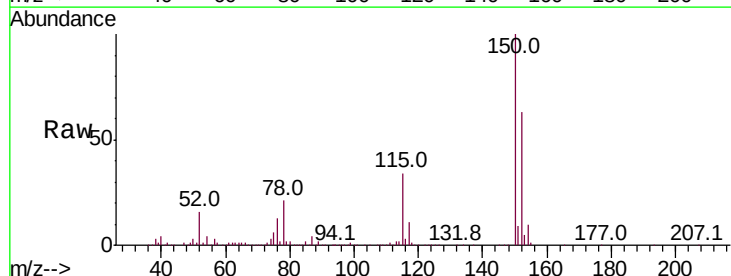
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013471.D
Acq: 07 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.3	81.9
150	157.0	0.0	349.0

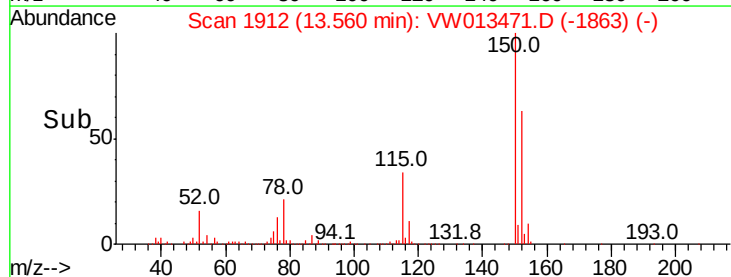
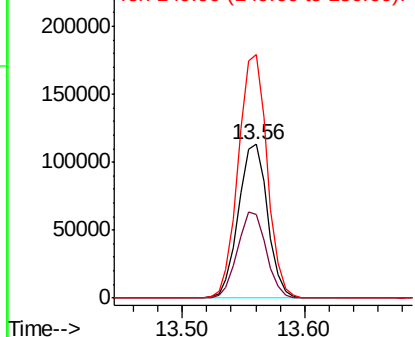


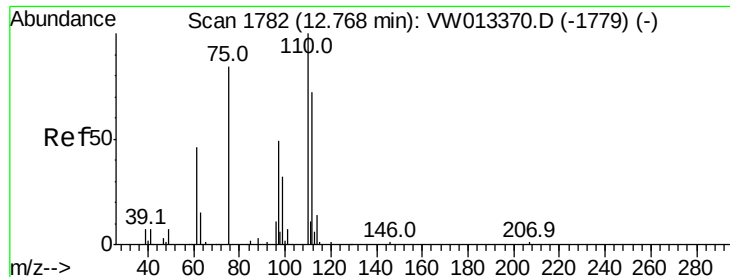
Abundance

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: 50.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Instrument :

MSVOA_W

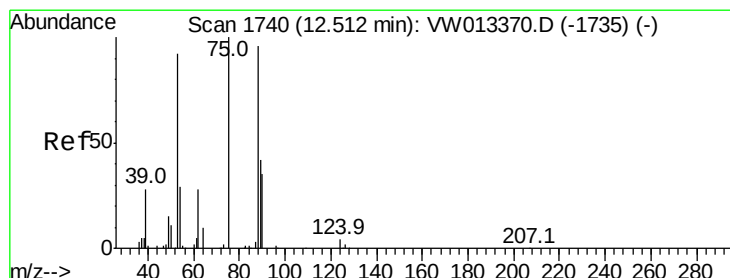
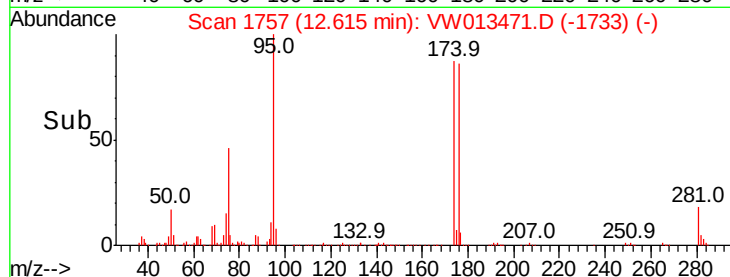
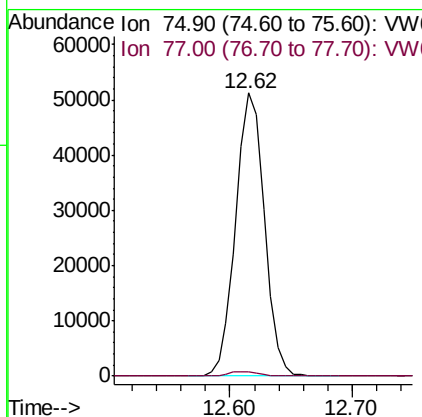
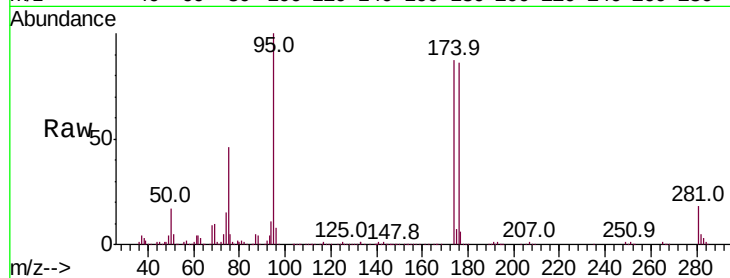
ClientSampleId :

Tot Ion: 75 Resp: 83446

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.490 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013471.D

Acq: 07 Oct 2019 18:37

Tgt Ion: 75 Resp: 83446

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.3 33.5 50.3#

