

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013213.D
 Acq On : 21 Sep 2019 05:14
 Operator : SY/VA
 Sample : K4939-07
 Misc : 6.27G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 06:25:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

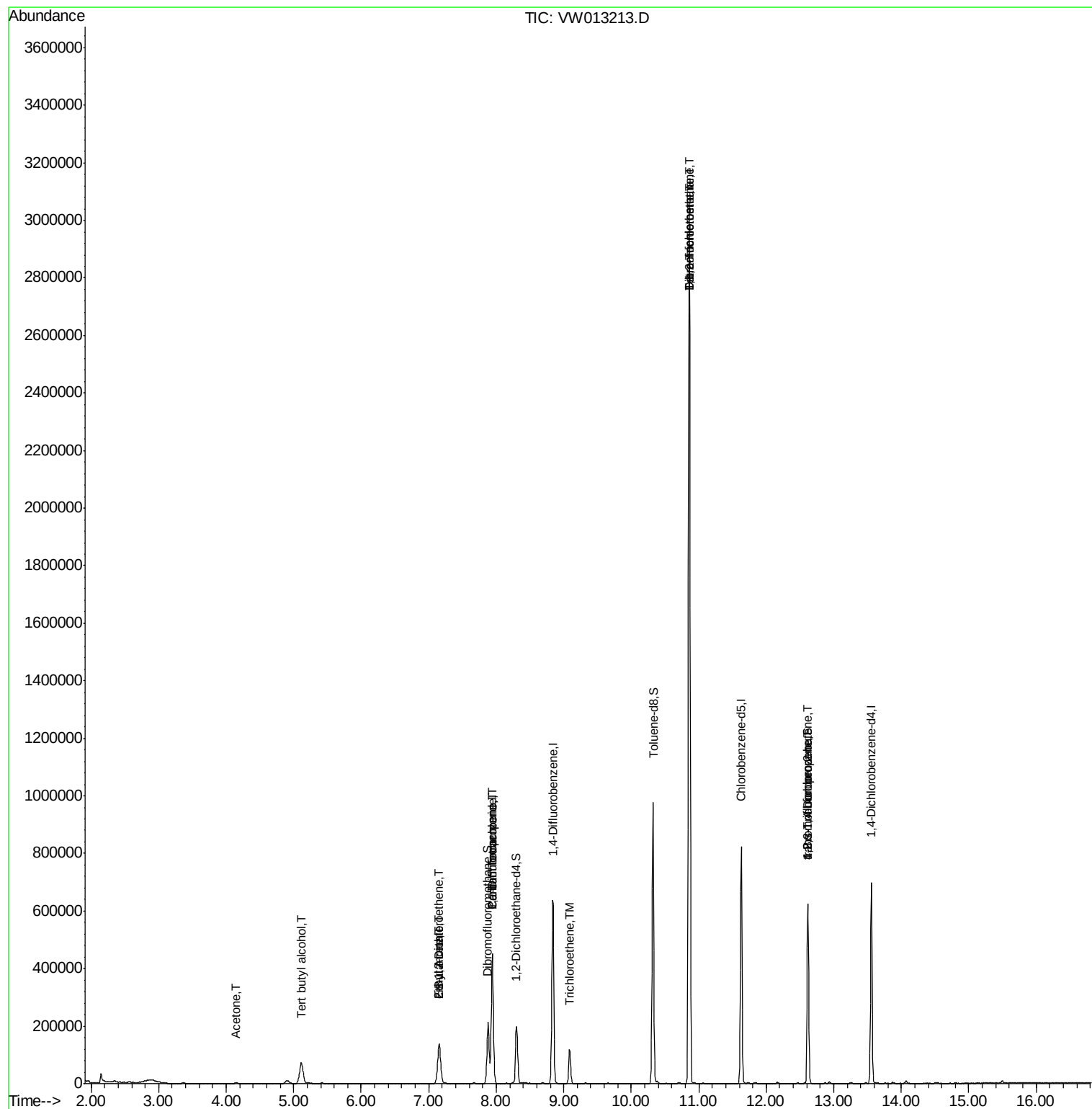
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	570217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	483950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	199808	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	159120	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.88	113	156603	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.32	98	668937	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	206123	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.11	59	68356	308.290	ug/l #	76
16) Acetone	4.15	43	4172	5.960	ug/l	98
20) Methylene Chloride	4.90	84	8459	Below Cal		93
25) 2-Butanone	7.15	43	5405	5.144	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	8174	Below Cal	#	62
27) cis-1,2-Dichloroethene	7.16	96	31285	7.761	ug/l	99
36) 1,1-Dichloropropene	7.94	75	25390	4.597	ug/l #	47
37) Ethyl Acetate	7.15	43	5405	2.303	ug/l #	1
38) Carbon Tetrachloride	7.95	117	33228	6.711	ug/l #	17
44) Trichloroethene	9.09	130	45349	10.492	ug/l	97
55) 1,1,2-Trichloroethane	10.86	97	5543	2.031	ug/l #	1
60) Dibromochloromethane	10.86	129	602731	194.491	ug/l #	11
64) Tetrachloroethene	10.86	164	762456	207.646	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	96959	54.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96959	123.298	ug/l #	12

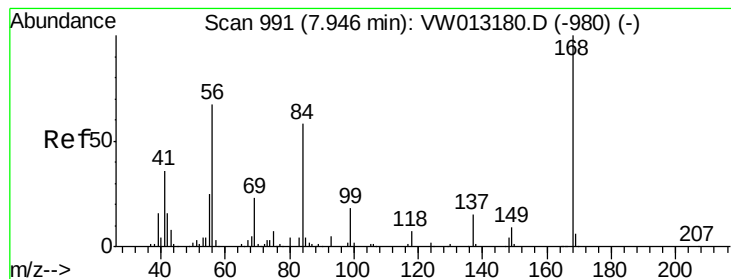
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

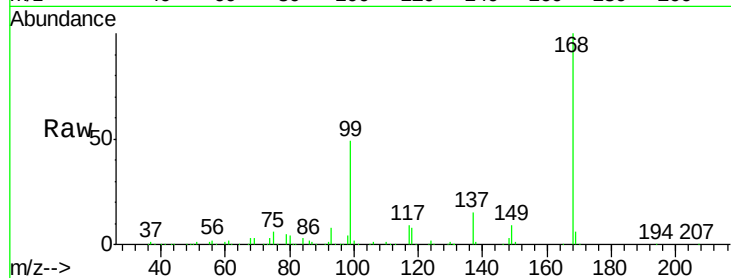
ClientSampled :

Tot Ion:168 Resp: 380306

Ion Ratio Lower Upper

168 100

99 49.3 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

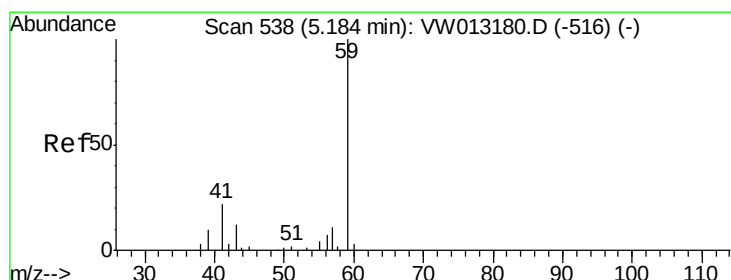
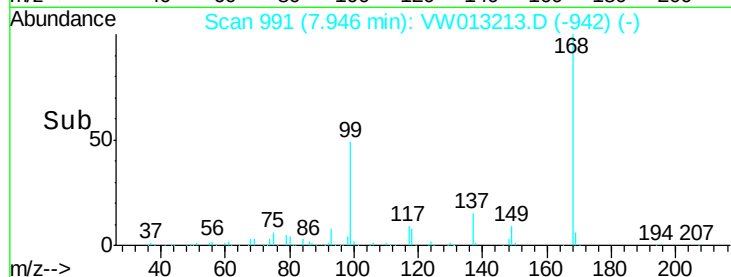
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 308.290 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013213.D

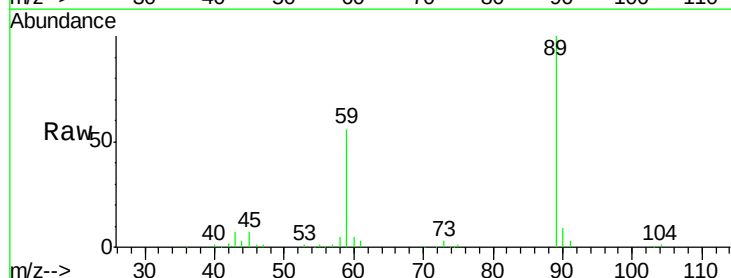
Acq: 21 Sep 2019 05:14

Tgt Ion: 59 Resp: 68356

Ion Ratio Lower Upper

59 100

57 1.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

20000

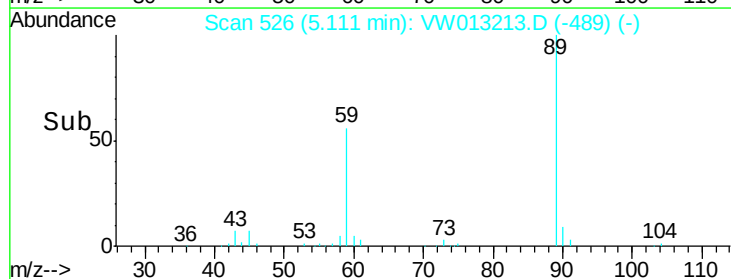
15000

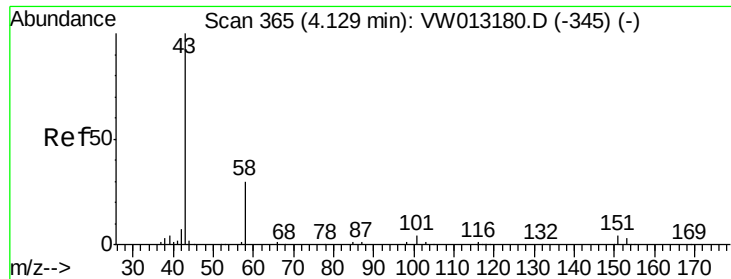
10000

5000

0

Time-->





#16

Acetone

Concen: 5.960 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

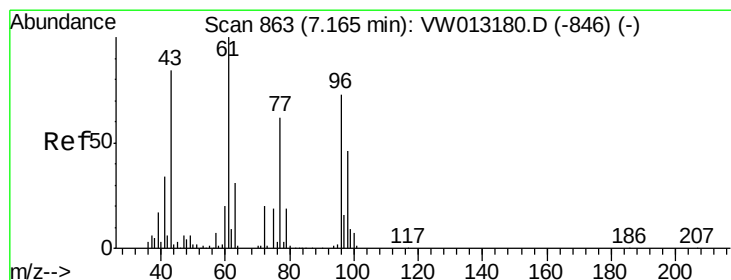
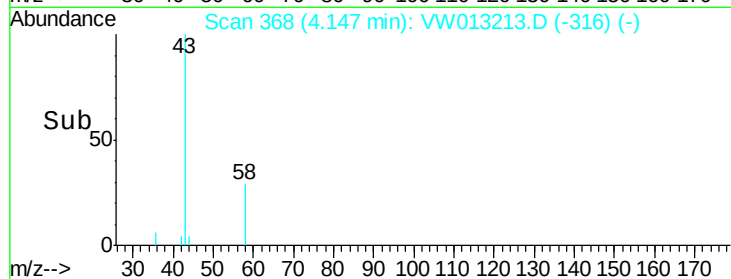
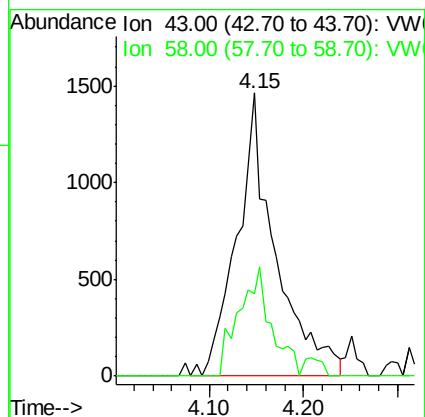
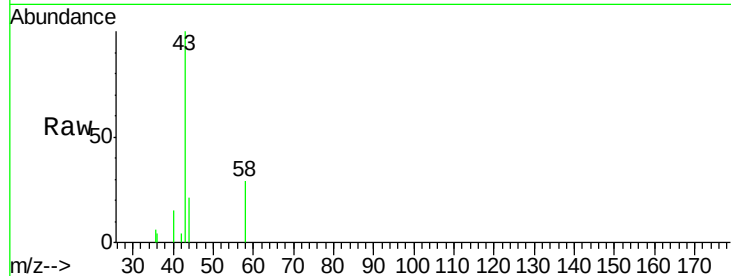
ClientSampleId :

Tot Ion: 43 Resp: 4172

Ion Ratio Lower Upper

43 100

58 29.0 24.1 36.1



#25

2-Butanone

Concen: 5.144 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013213.D

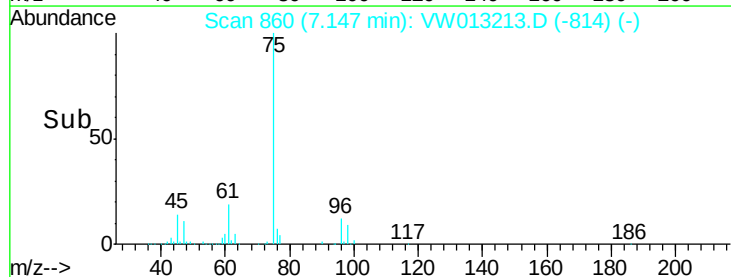
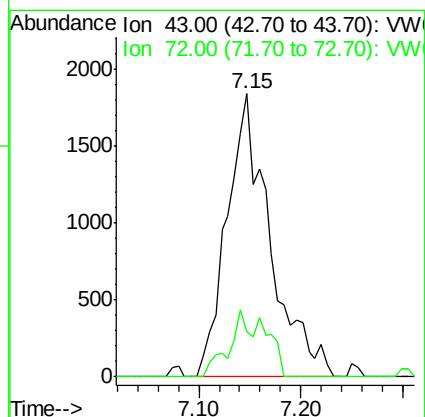
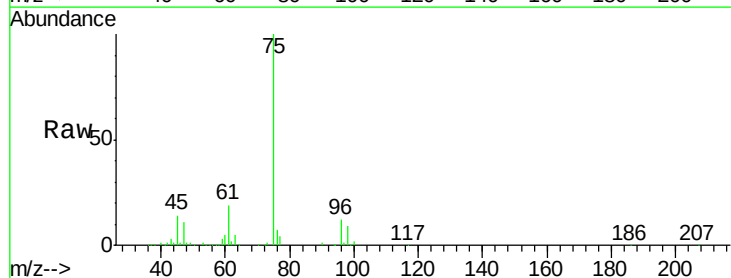
Acq: 21 Sep 2019 05:14

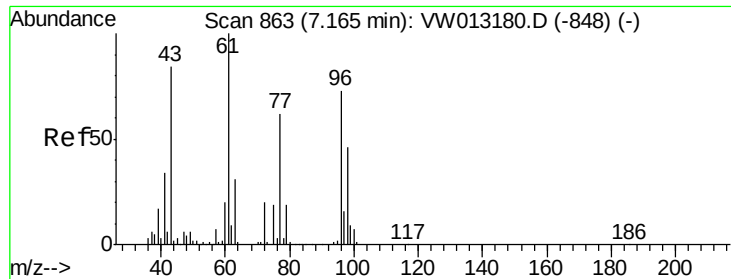
Tgt Ion: 43 Resp: 5405

Ion Ratio Lower Upper

43 100

72 15.8 19.4 29.0#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

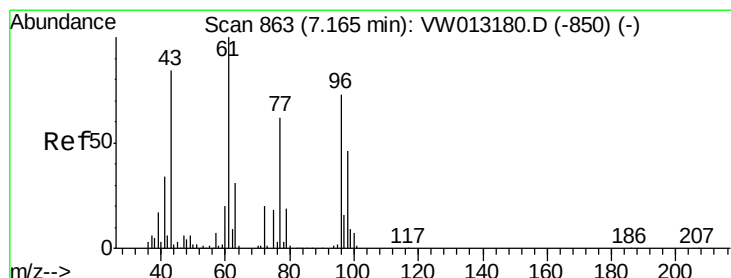
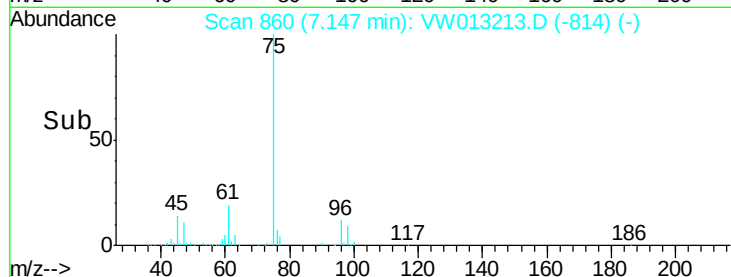
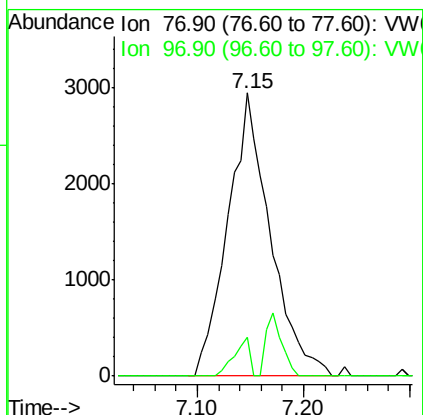
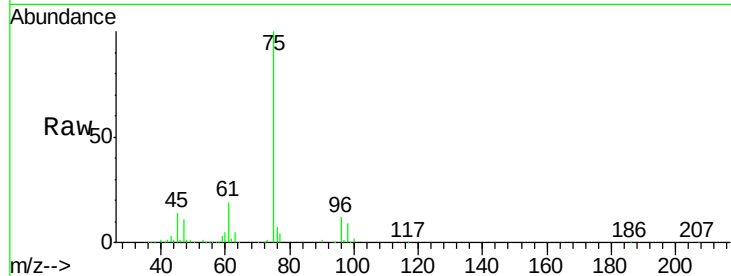
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 8174

Ion Ratio Lower Upper

77 100

97 5.1 11.8 35.4#



#27

cis-1,2-Dichloroethene

Concen: 7.761 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

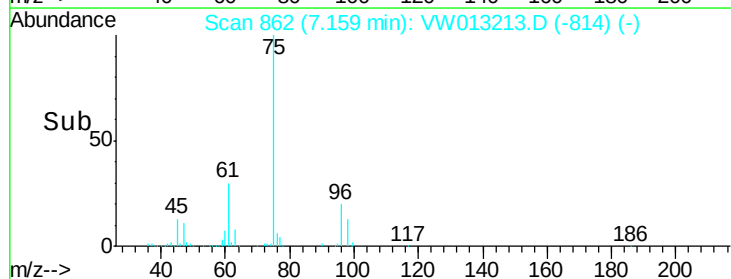
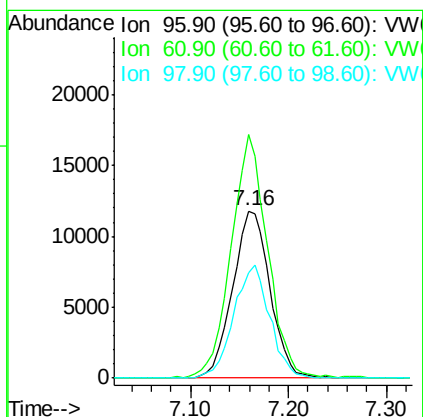
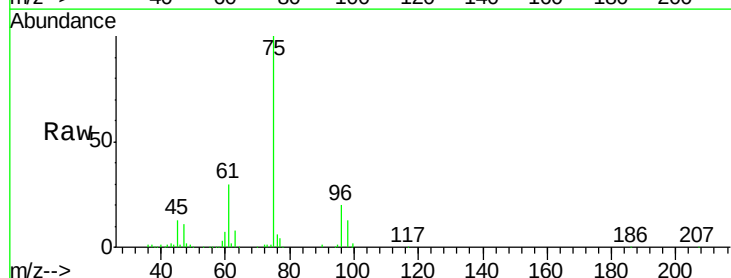
Tgt Ion: 96 Resp: 31285

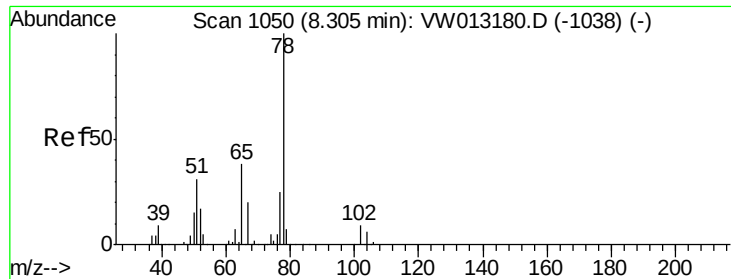
Ion Ratio Lower Upper

96 100

61 141.9 0.0 282.4

98 65.0 0.0 128.2

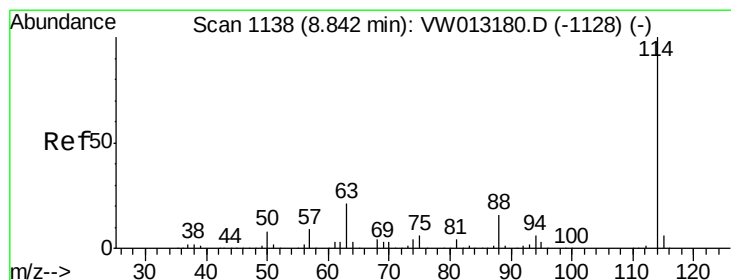
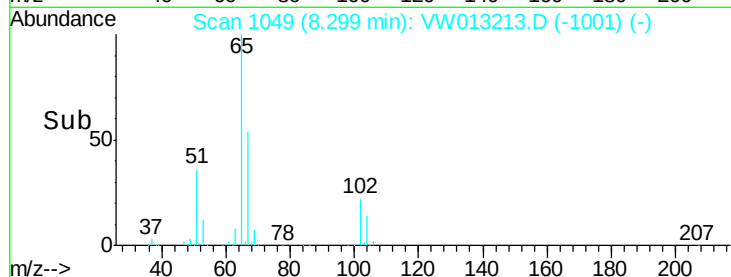
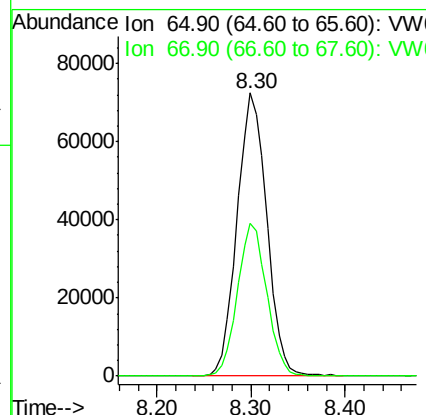
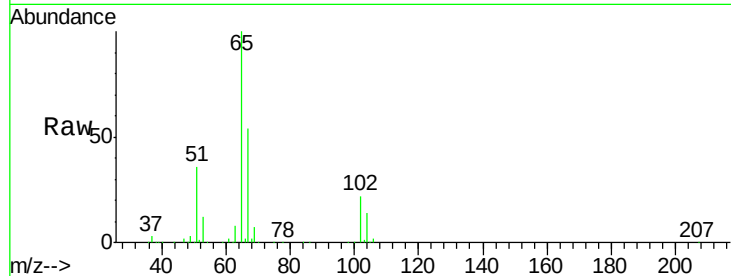




#33
 1,2-Dichloroethane-d4
 Concen: 51.265 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

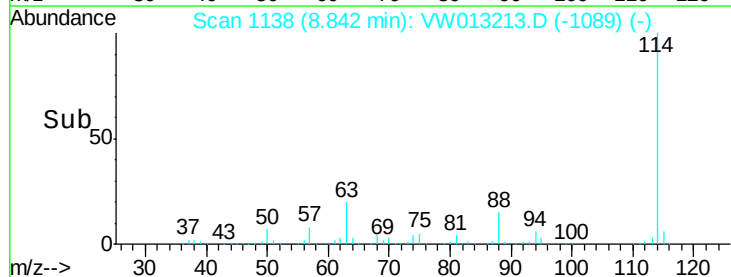
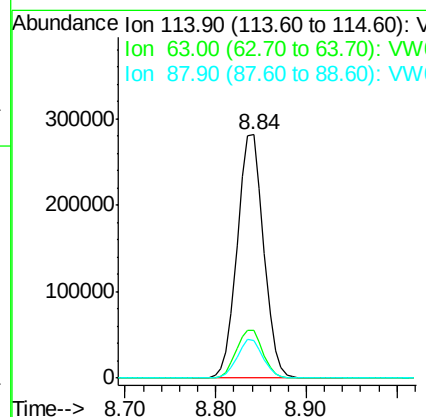
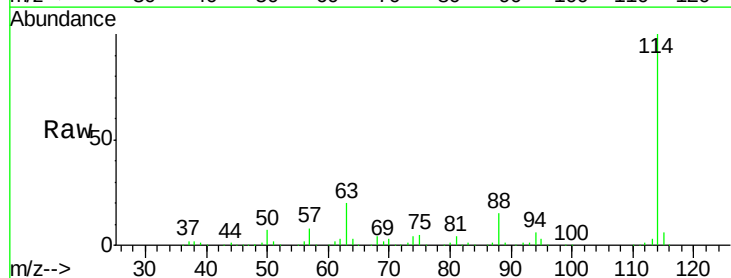
Instrument :
 MSVOA_W
 ClientSampleId :

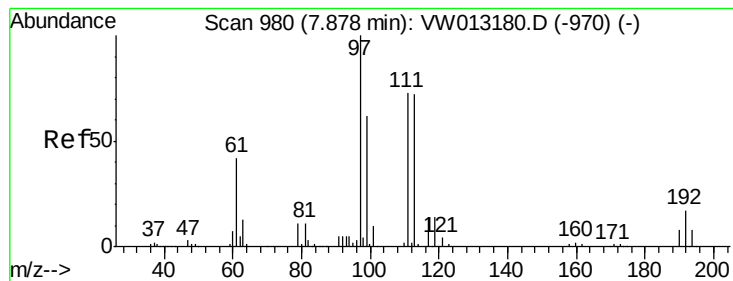
Tot Ion: 65 Resp: 159120
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Tgt Ion: 114 Resp: 570217
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.934 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

ClientSampleId :

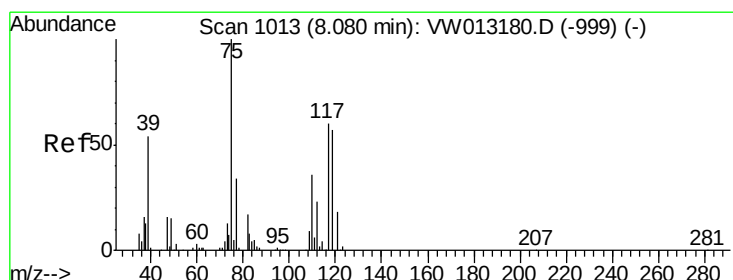
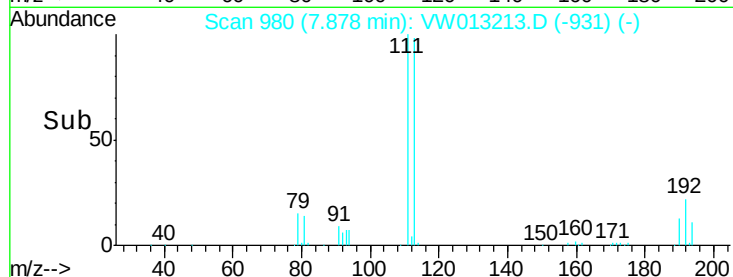
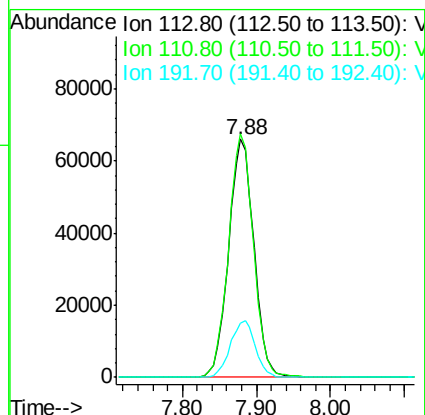
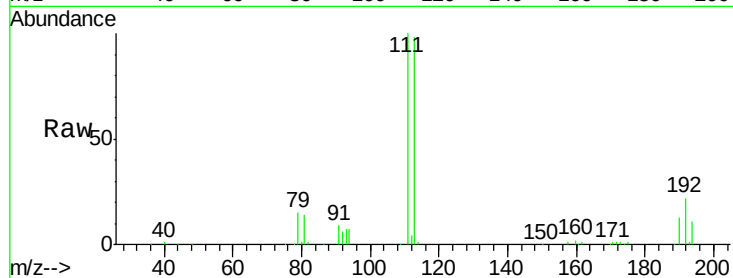
Tot Ion:113 Resp: 156603

Ion Ratio Lower Upper

113 100

111 100.8 81.9 122.9

192 23.6 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.597 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

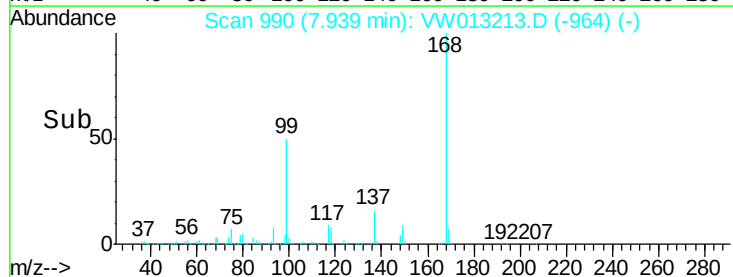
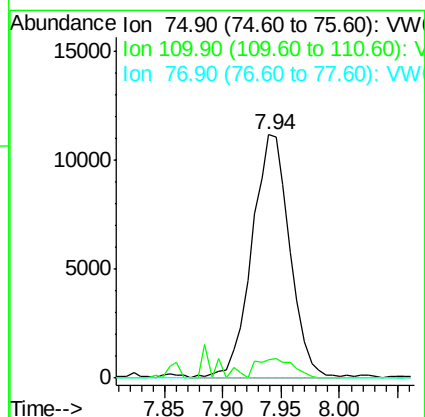
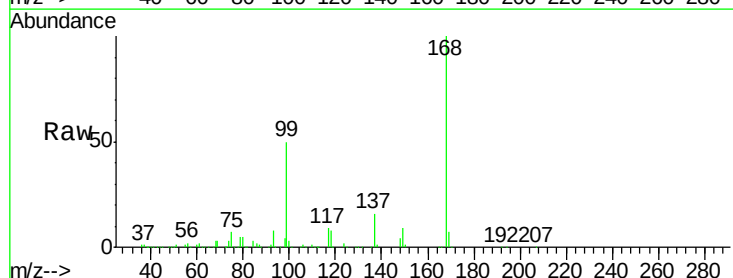
Tgt Ion: 75 Resp: 25390

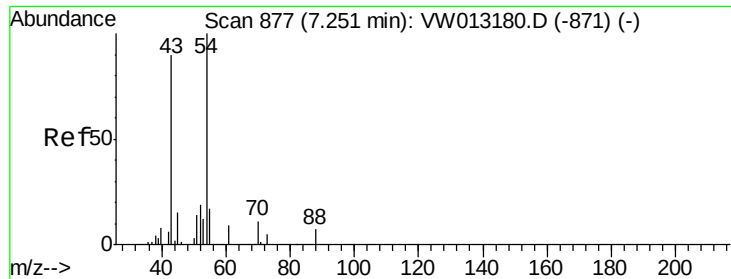
Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.3#

77 0.0 25.8 38.6#

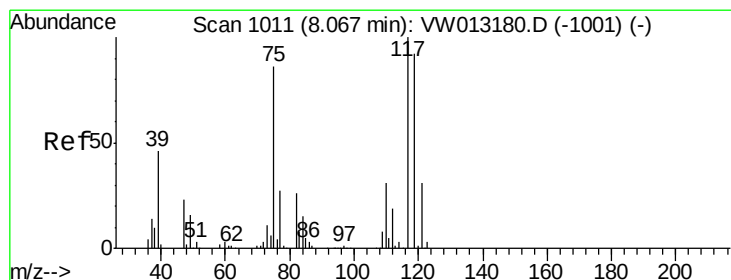
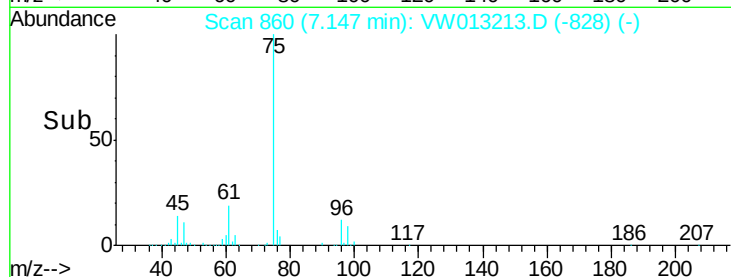
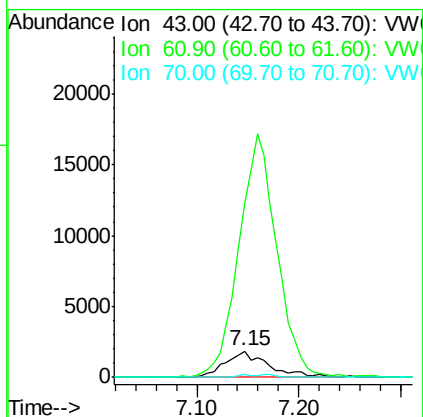
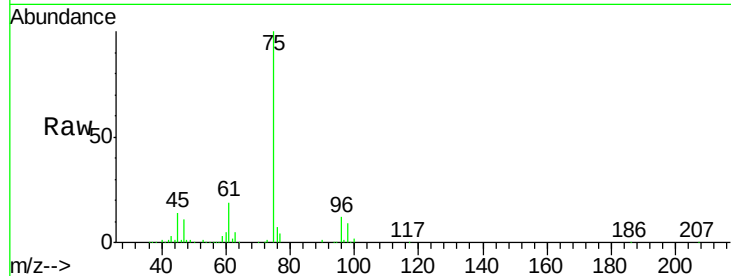




#37
Ethyl Acetate
Concen: 2.303 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.10 min
Lab File: VW013213.D
Acq: 21 Sep 2019 05:14

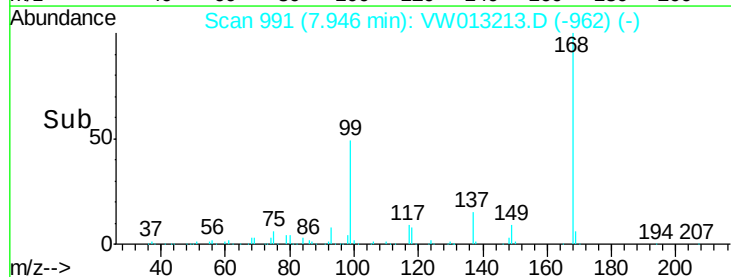
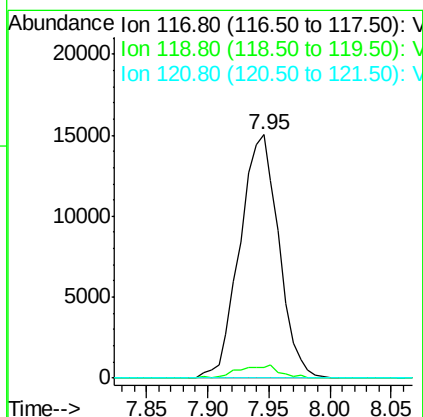
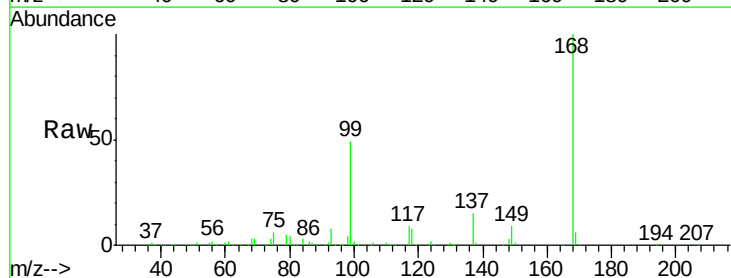
Instrument :
MSVOA_W
ClientSampleId :

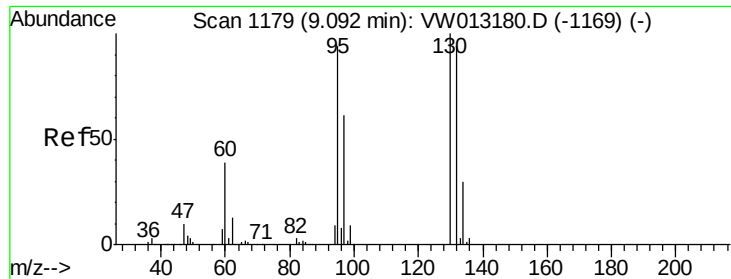
Tot Ion: 43 Resp: 5405
Ion Ratio Lower Upper
43 100
61 821.5 10.9 16.3#
70 8.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 6.711 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013213.D
Acq: 21 Sep 2019 05:14

Tgt Ion: 117 Resp: 33228
Ion Ratio Lower Upper
117 100
119 4.5 73.5 110.3#
121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 10.492 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

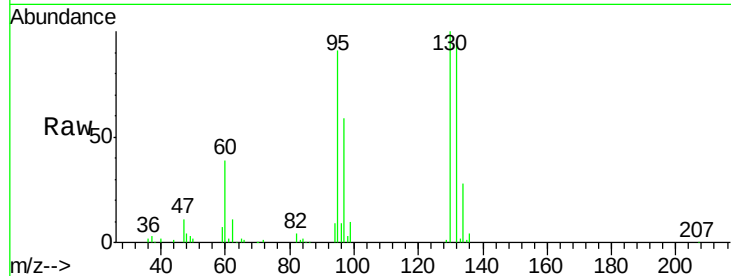
ClientSampled :

Tot Ion:130 Resp: 45349

Ion Ratio Lower Upper

130 100

95 90.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

25000

20000

15000

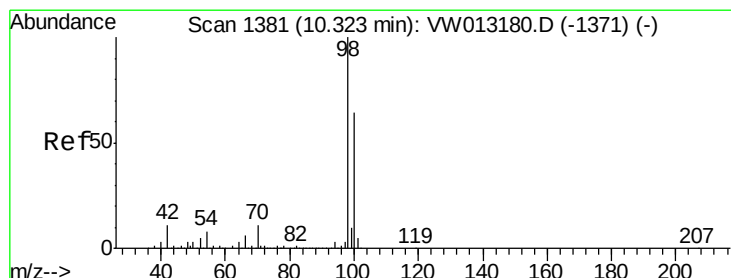
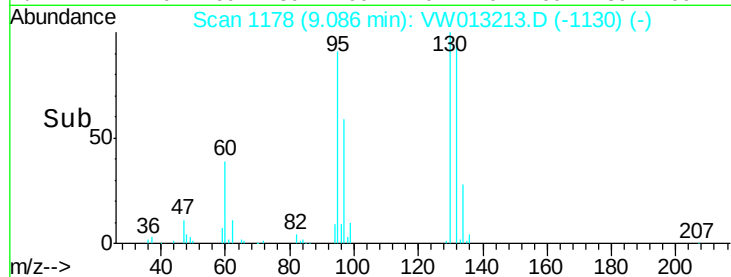
10000

5000

0

9.00 9.05 9.10 9.15

Time-->



#50

Toluene-d8

Concen: 50.965 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013213.D

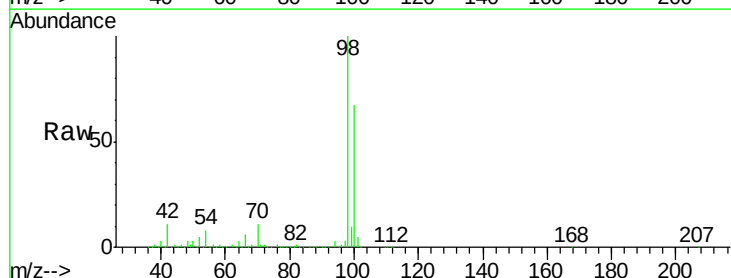
Acq: 21 Sep 2019 05:14

Tgt Ion: 98 Resp: 668937

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

400000

300000

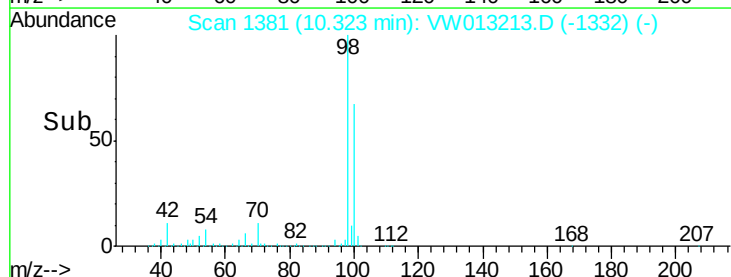
200000

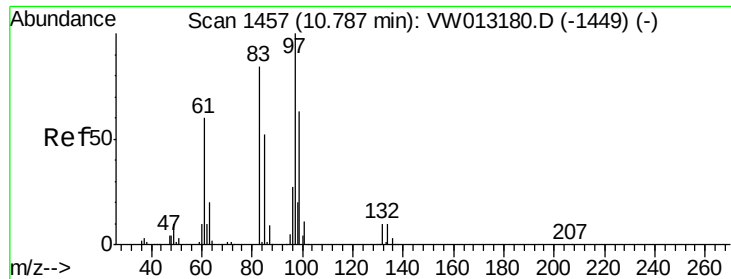
100000

0

10.20 10.30 10.40

Time-->

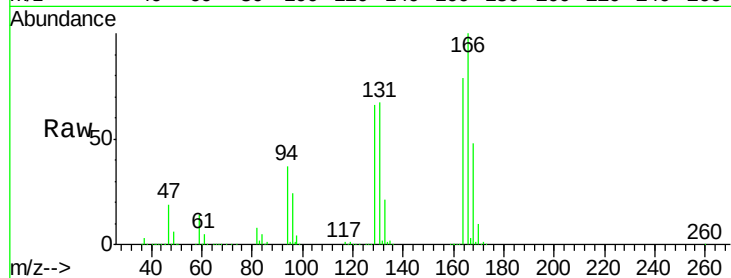




#55
 1,1,2-Trichloroethane
 Concen: 2.031 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.07 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	310.8	67.6	101.4#
85	32.2	41.9	62.9#
99	15.8	50.1	75.1#



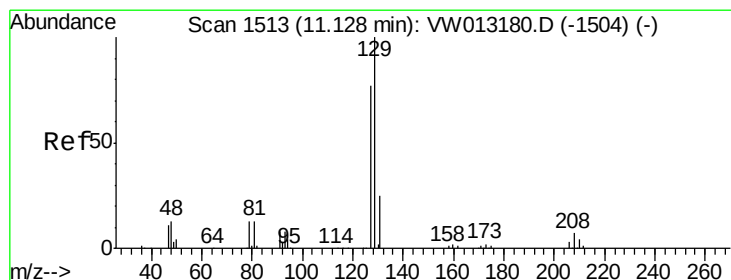
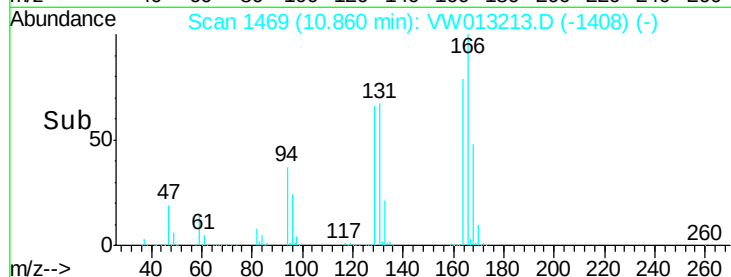
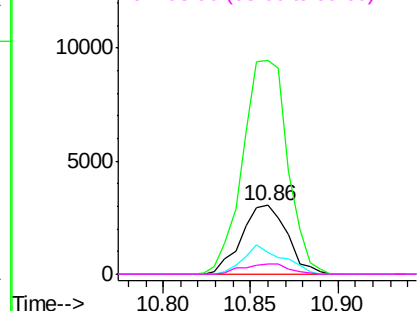
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

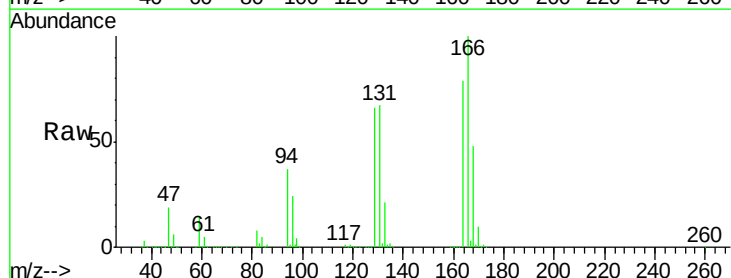
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#60
 Dibromochloromethane
 Concen: 194.491 ug/l
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.27 min
 Lab File: VW013213.D
 Acq: 21 Sep 2019 05:14

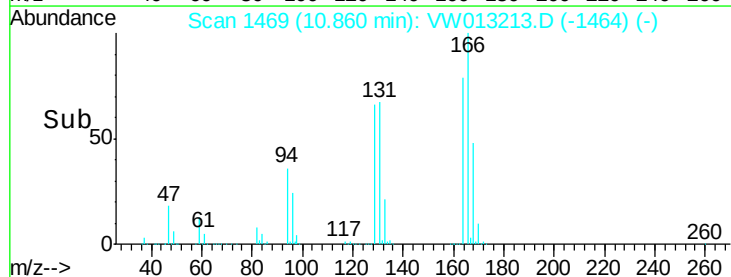
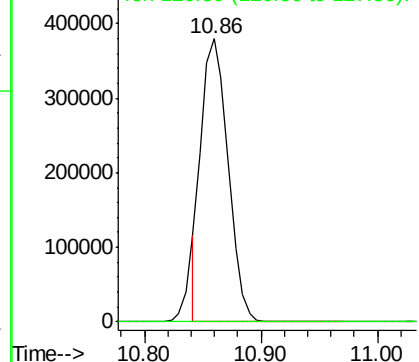
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.8	116.4#

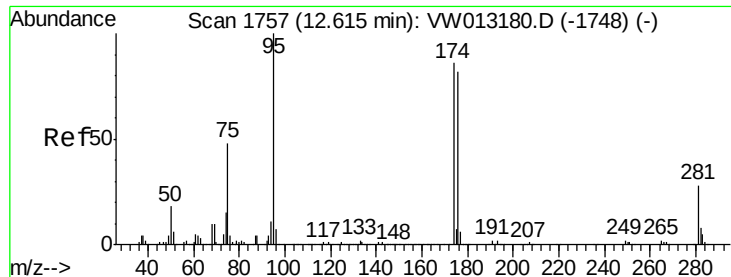


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

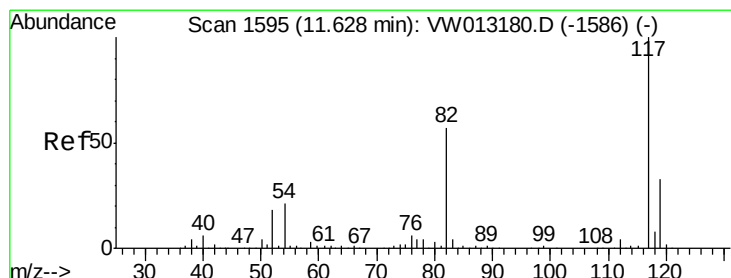
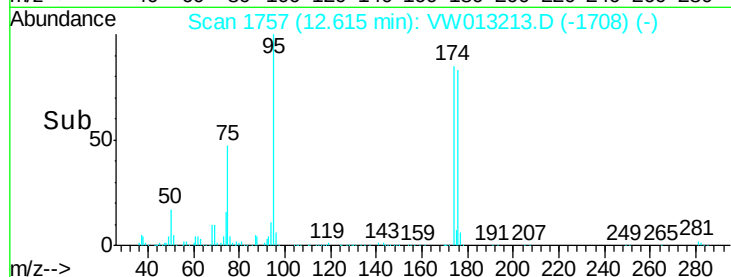
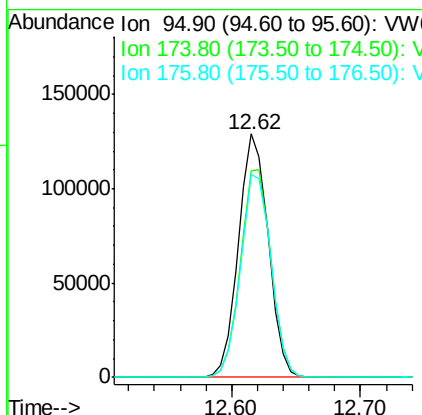
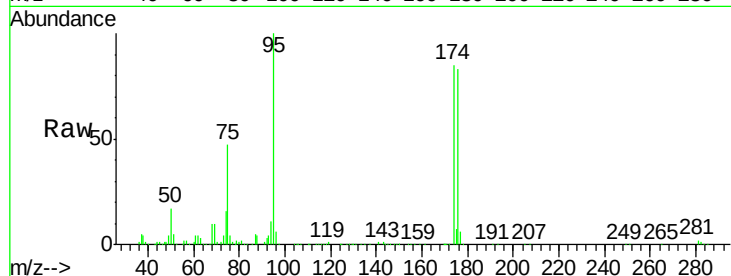




#62
4-Bromofluorobenzene
Concen: 45.974 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013213.D
Acq: 21 Sep 2019 05:14

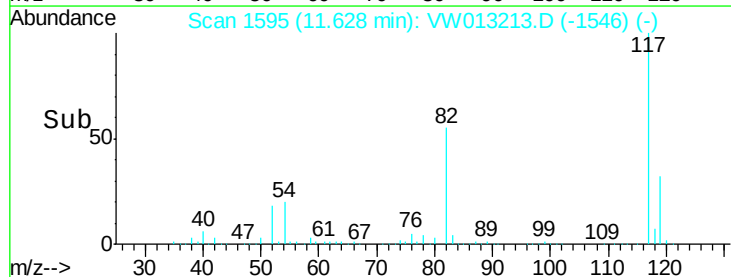
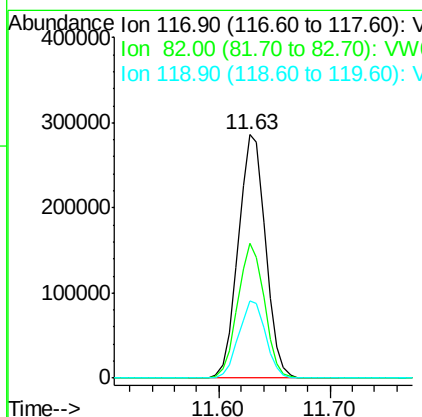
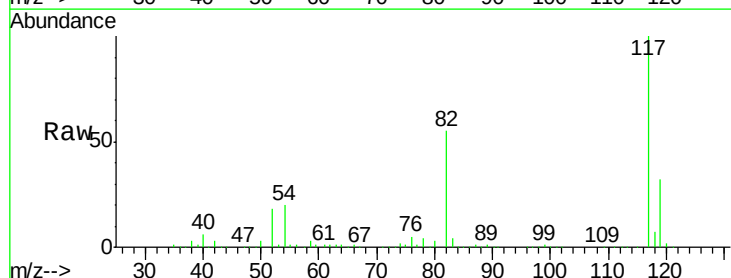
Instrument :
MSVOA_W
ClientSampleId :

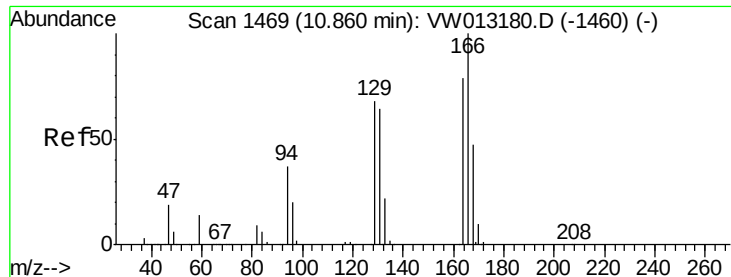
Tot Ion	95	Resp	206123
Ion Ratio	Lower	Upper	
95	100		
174	87.8	0.0	178.4
176	85.6	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013213.D
Acq: 21 Sep 2019 05:14

Tgt Ion	117	Resp	483950
Ion Ratio	Lower	Upper	
117	100		
82	55.2	45.9	68.9
119	31.7	26.2	39.2





#64

Tetrachloroethene

Concen: 207.646 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 762456

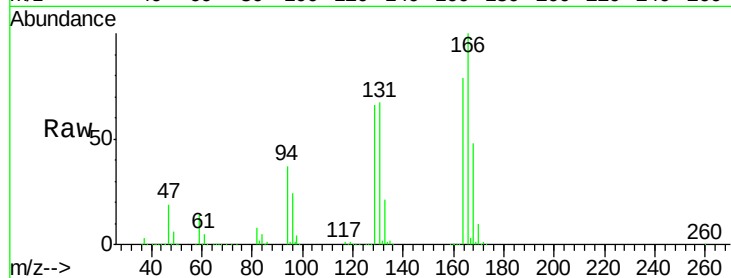
Ion Ratio Lower Upper

164 100

166 126.7 101.2 151.8

129 84.0 68.8 103.2

131 85.1 65.2 97.8

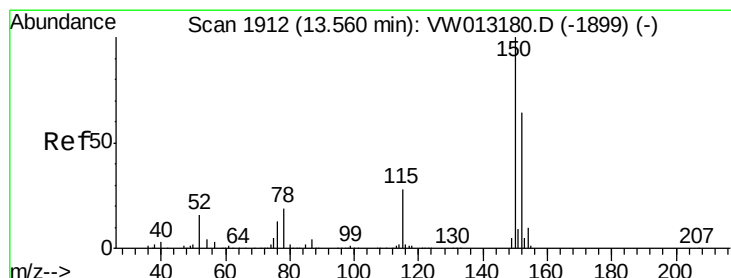
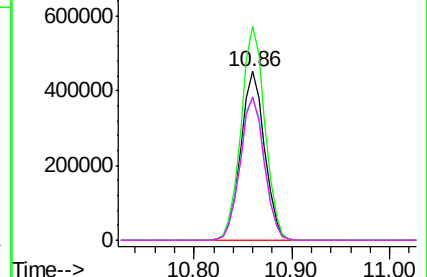
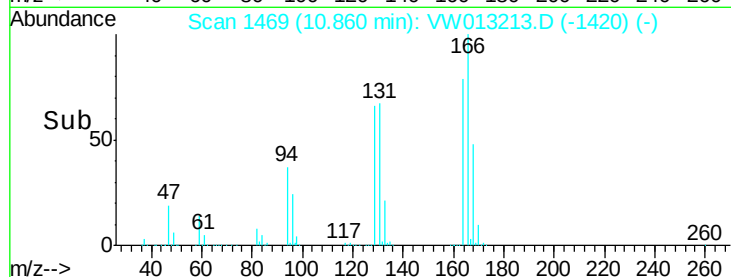


Abundance Ion 163.80 (163.50 to 164.50): V

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: VW013213.D

Acq: 21 Sep 2019 05:14

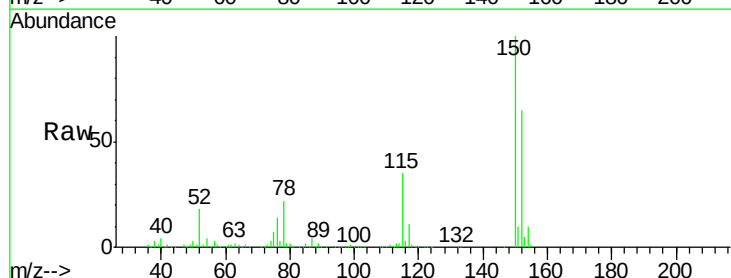
Tgt Ion:152 Resp: 199808

Ion Ratio Lower Upper

152 100

115 54.9 27.3 81.9

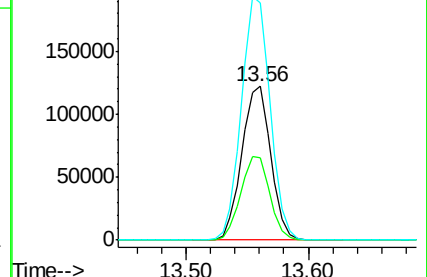
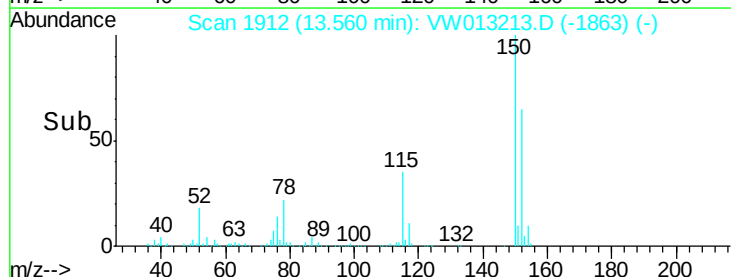
150 157.0 0.0 349.0

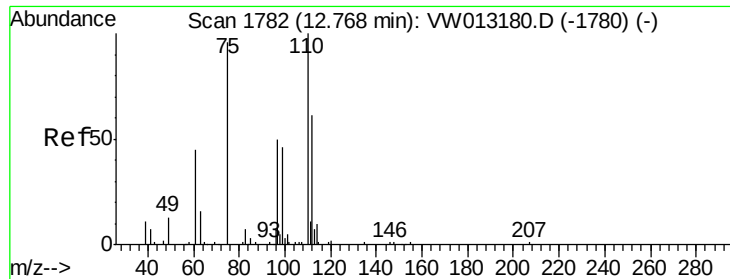


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 54.948 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Instrument :

MSVOA_W

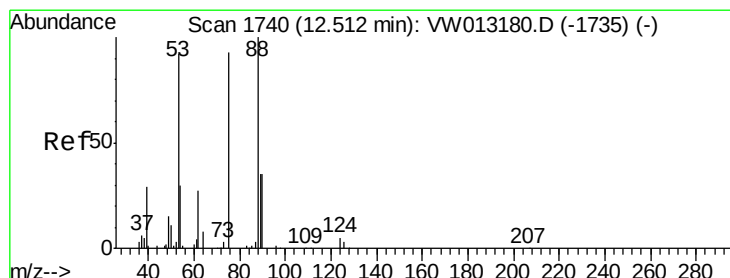
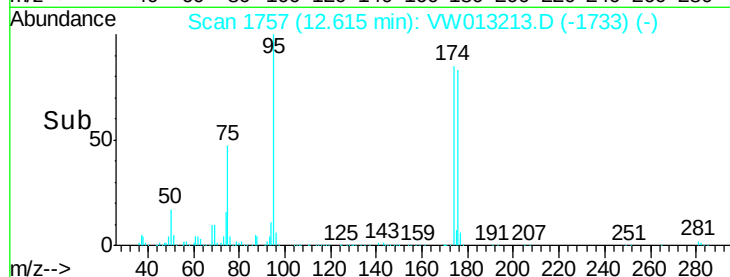
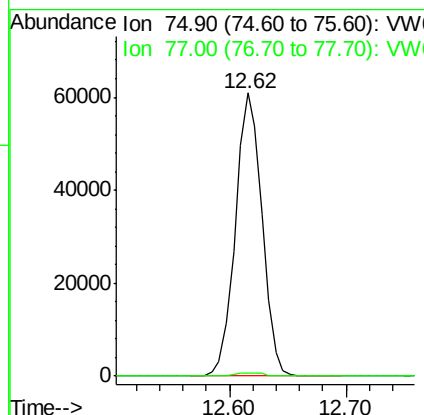
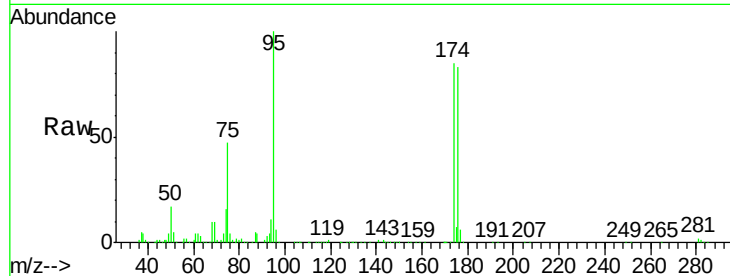
ClientSampleId :

Tot Ion: 75 Resp: 96959

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.298 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013213.D

Acq: 21 Sep 2019 05:14

Tgt Ion: 75 Resp: 96959

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#

