

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008682.D
 Acq On : 15 Feb 2019 14:10
 Operator : SY/VA
 Sample : K1346-07
 Misc : 6.88G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 16 00:33:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

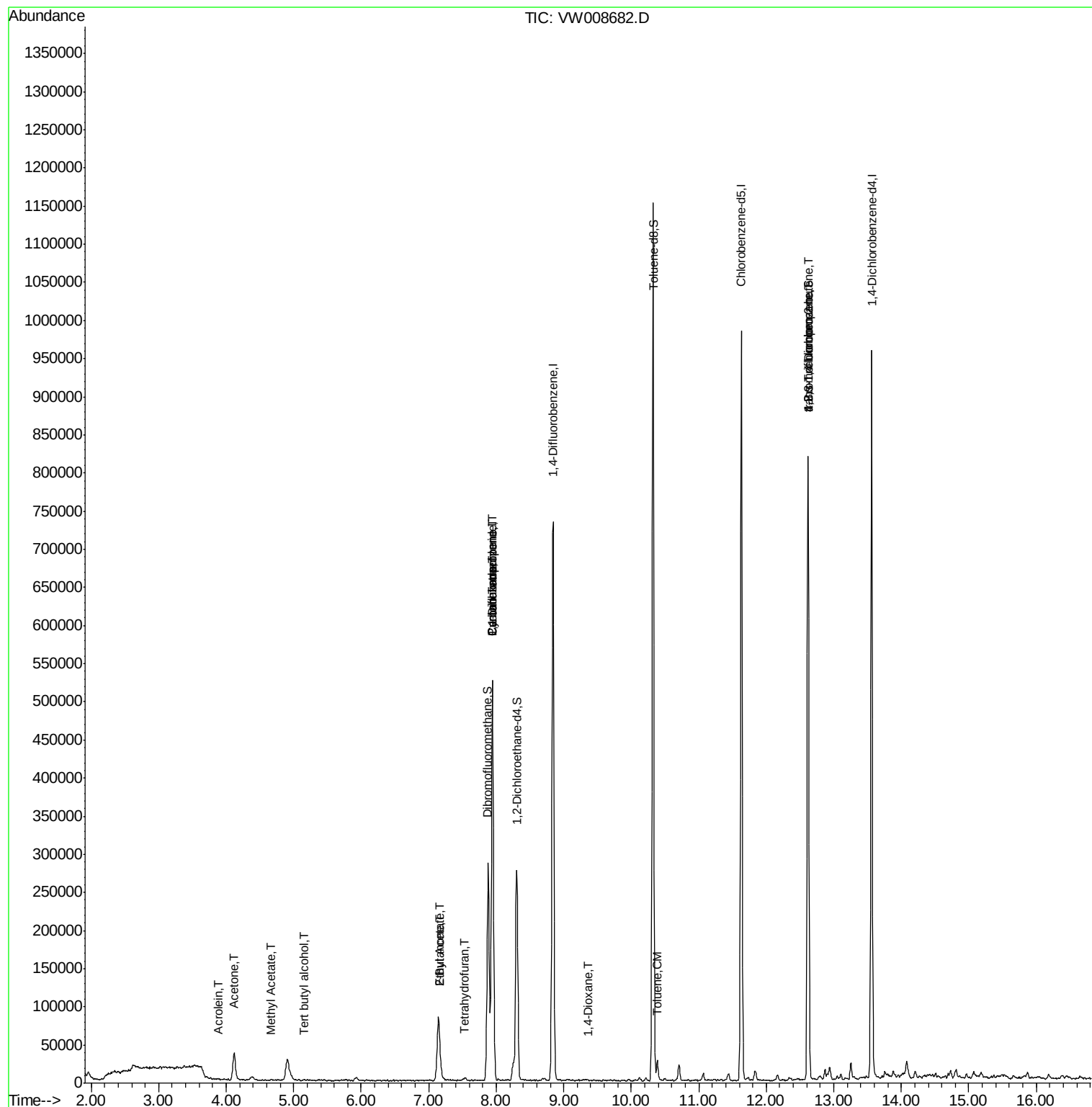
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	405611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	619066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	530869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237729	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	219279	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
35) Dibromofluoromethane	7.88	113	193624	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
50) Toluene-d8	10.32	98	725746	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.62	95	245174	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.15	59	457	1.355	ug/l #	92
13) Acrolein	3.89	56	515	1.482	ug/l #	4
16) Acetone	4.12	43	61082	63.655	ug/l	96
18) Methyl Acetate	4.67	43	2550	1.163	ug/l	91
20) Methylene Chloride	4.90	84	25085	Below Cal		90
25) 2-Butanone	7.17	43	16011	11.816	ug/l	97
29) Tetrahydrofuran	7.52	42	2963	3.318	ug/l #	66
31) Cyclohexane	7.95	56	8867	1.150	ug/l #	25
36) 1,1-Dichloropropene	7.94	75	29858	4.801	ug/l #	41
37) Ethyl Acetate	7.17	43	16011	5.337	ug/l #	76
38) Carbon Tetrachloride	7.94	117	40028	6.472	ug/l #	16
49) 1,4-Dioxane	9.37	88	79	2.137	ug/l #	22
52) Toluene	10.39	92	10997	1.004	ug/l	95
76) 1,2,3-Trichloropropane	12.62	75	129234	55.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129234	117.783	ug/l #	6

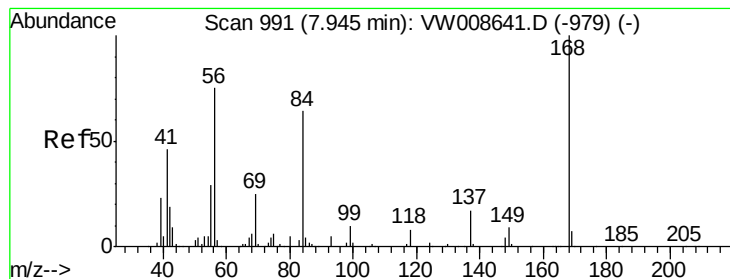
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021519\
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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: VW008682.D

Acq: 15 Feb 2019 14:10

Instrument :

MSVOA_W

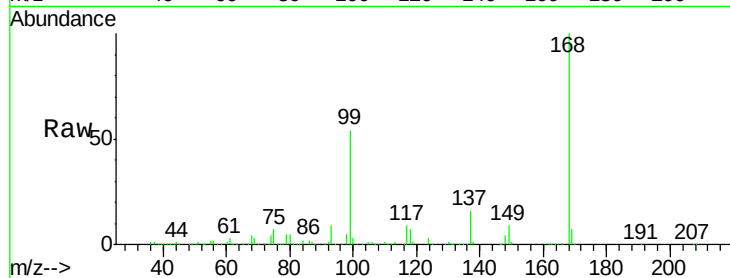
ClientSampled :

Tot Ion:168 Resp: 405611

Ion Ratio Lower Upper

168 100

99 53.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

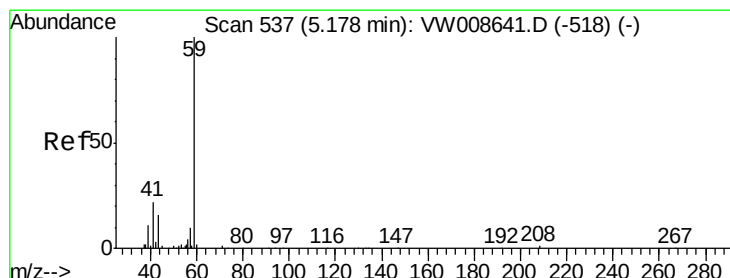
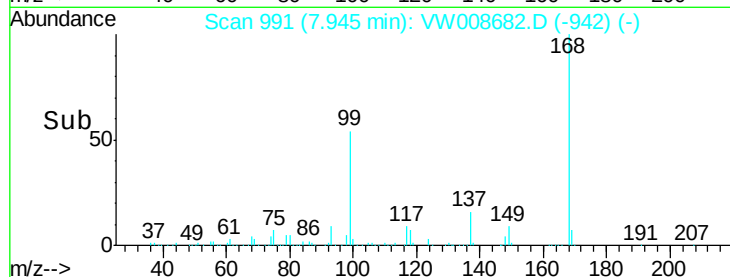
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.355 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW008682.D

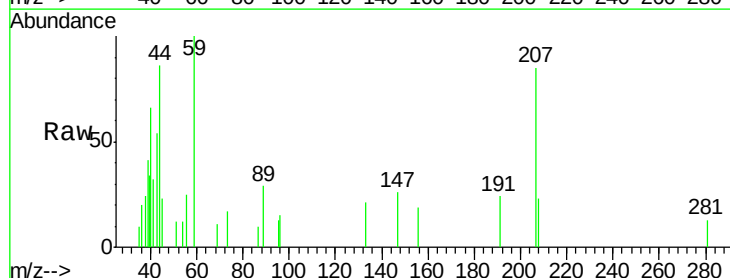
Acq: 15 Feb 2019 14:10

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 7.4 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

600

500

400

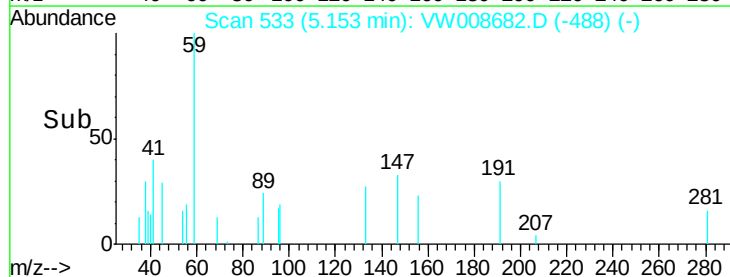
300

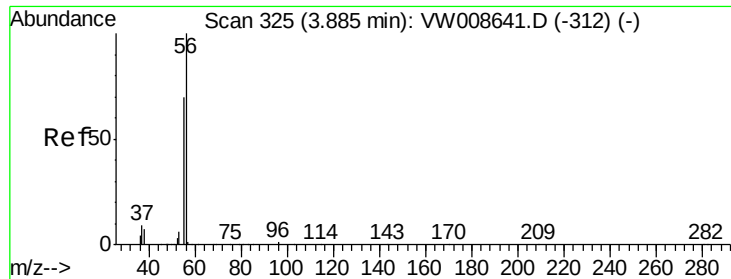
200

100

0

Time--> 5.14 5.16 5.18





#13

Acrolein

Concen: 1.482 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

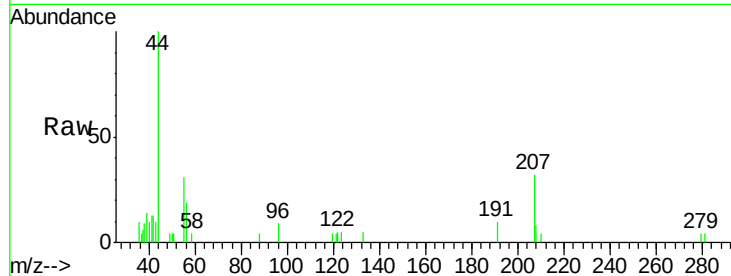
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 515

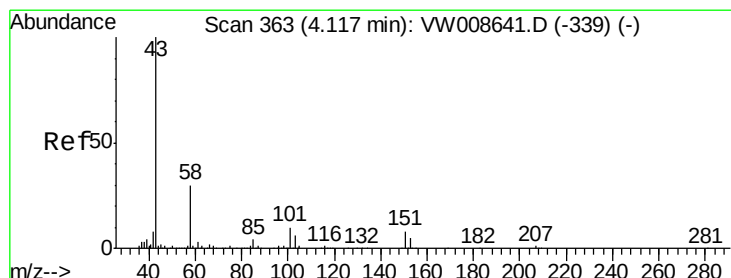
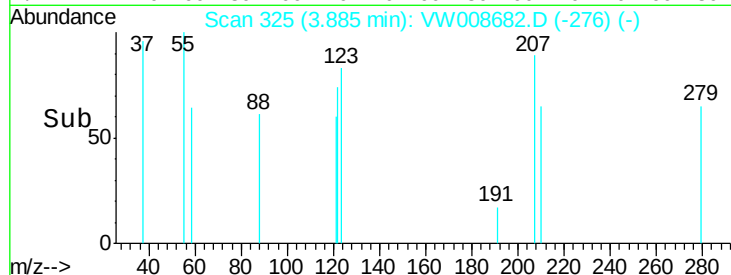
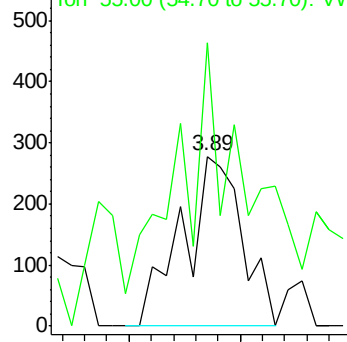
Ion Ratio Lower Upper

56 100

55 151.8 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 63.655 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008682.D

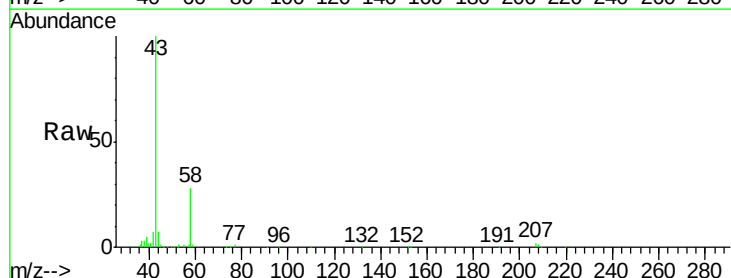
Acq: 15 Feb 2019 14:10

Tgt Ion: 43 Resp: 61082

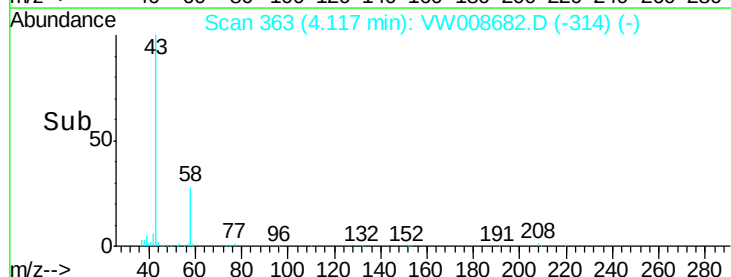
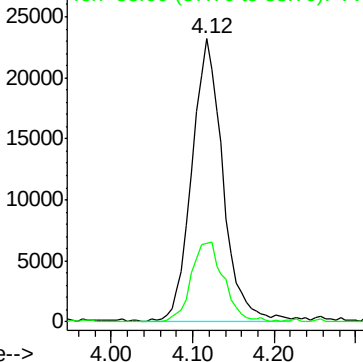
Ion Ratio Lower Upper

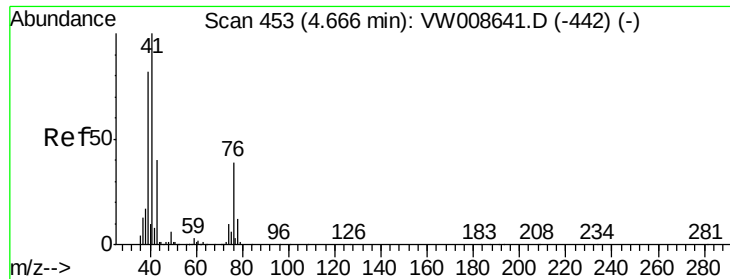
43 100

58 27.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

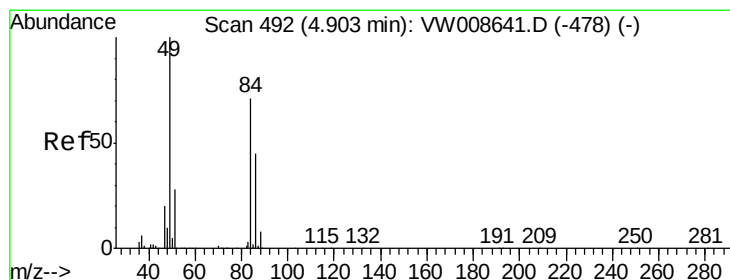
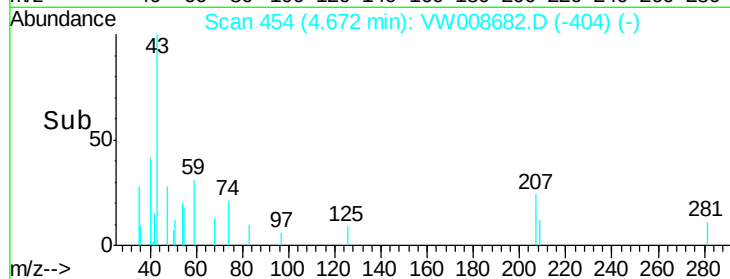
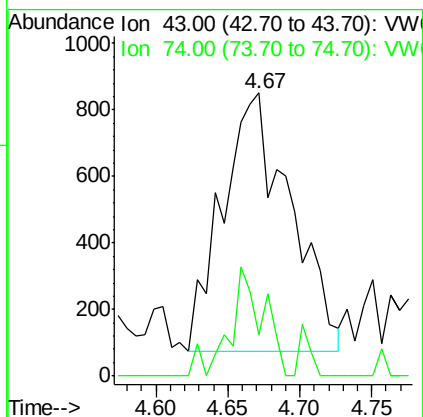
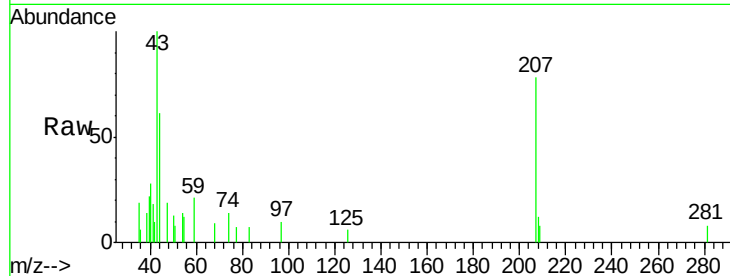




#18
Methyl Acetate
Concen: 1.163 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

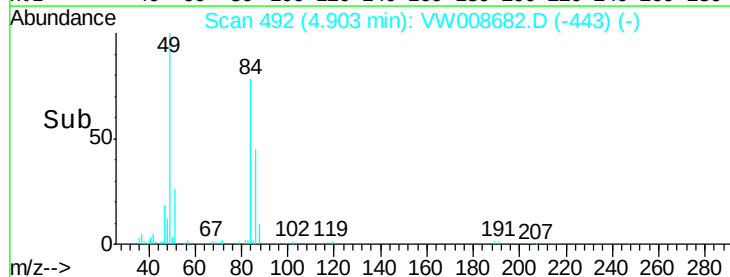
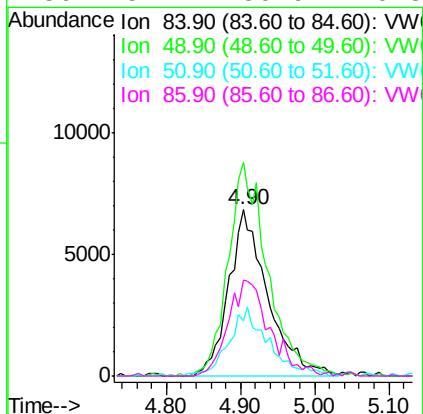
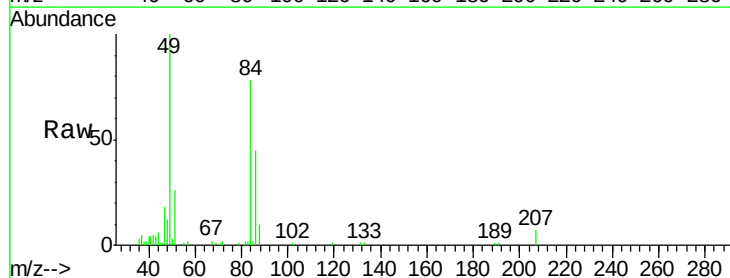
Instrument :
MSVOA_W
ClientSampleId :

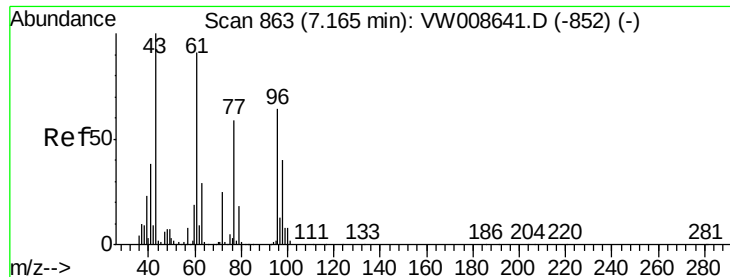
Tot Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
74 19.3 19.0 28.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

Tgt Ion: 84 Resp: 25085
Ion Ratio Lower Upper
84 100
49 128.5 113.3 169.9
51 33.5 32.1 48.1
86 57.4 50.9 76.3





#25

2-Butanone

Concen: 11.816 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

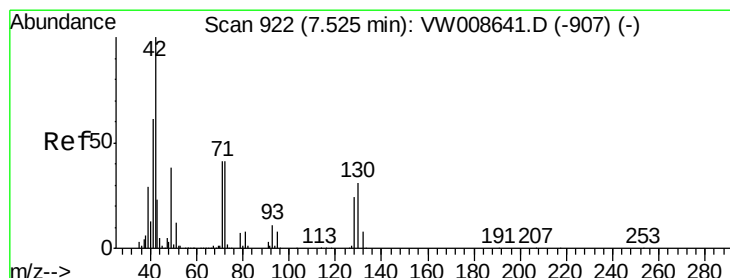
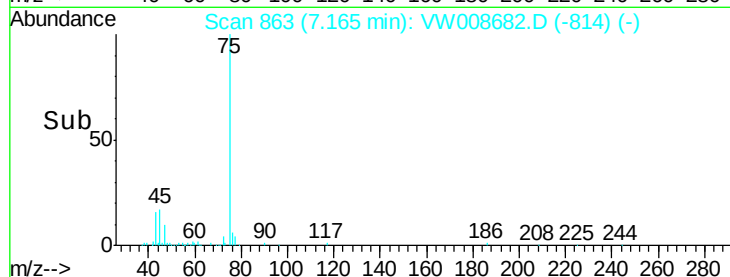
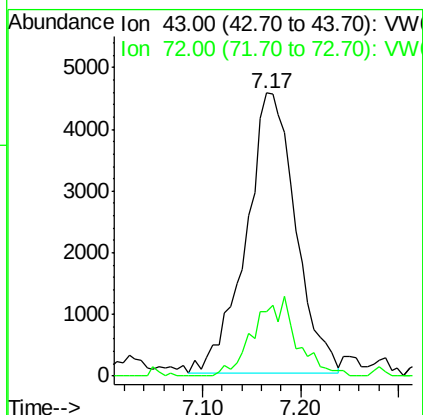
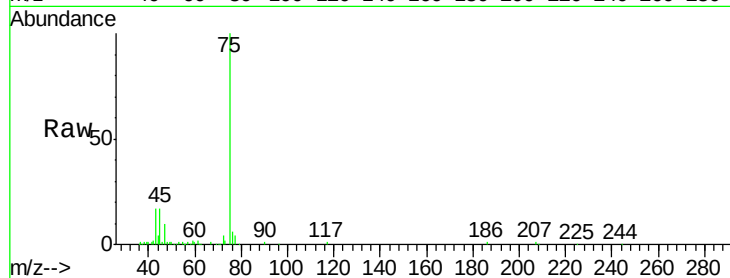
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 16011

Ion Ratio Lower Upper

43 100

72 22.9 19.7 29.5



#29

Tetrahydrofuran

Concen: 3.318 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

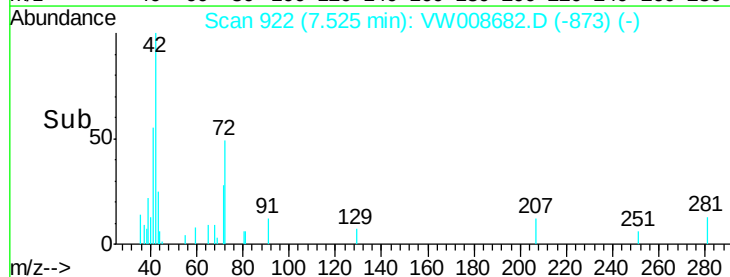
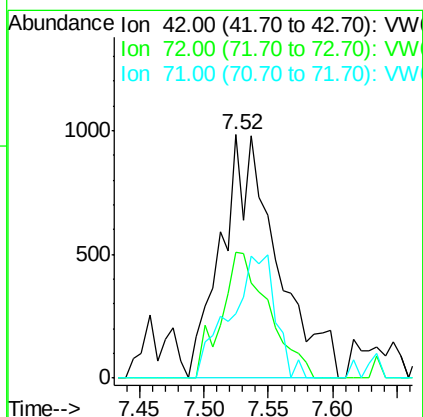
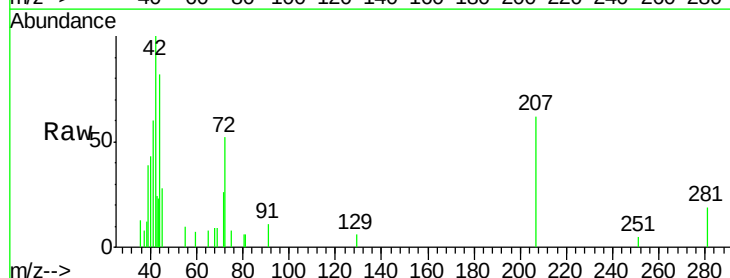
Tgt Ion: 42 Resp: 2963

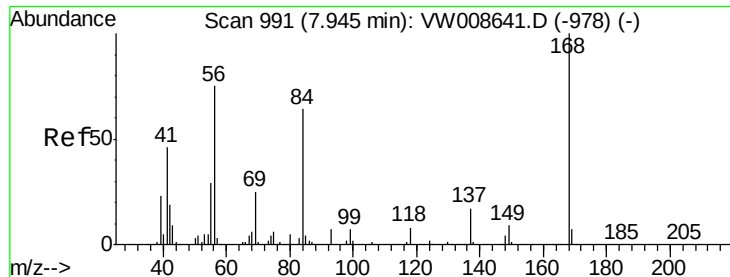
Ion Ratio Lower Upper

42 100

72 44.1 32.2 48.2

71 0.0 31.0 46.6#

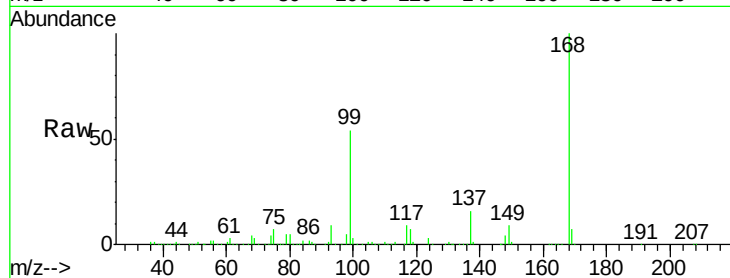




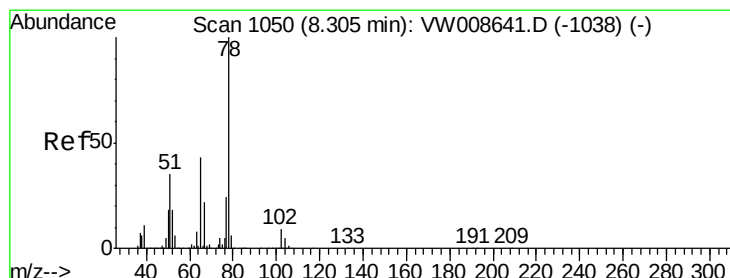
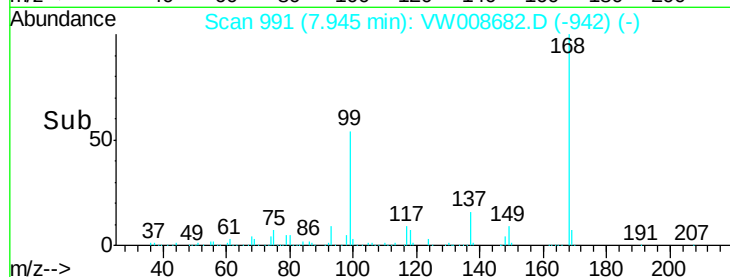
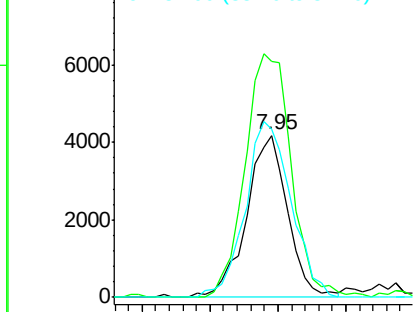
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 8867
Ion Ratio Lower Upper
56 100
69 148.6 26.4 39.6#
84 105.8 67.4 101.2#

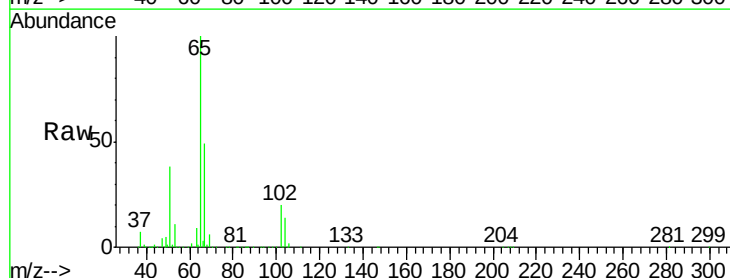


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

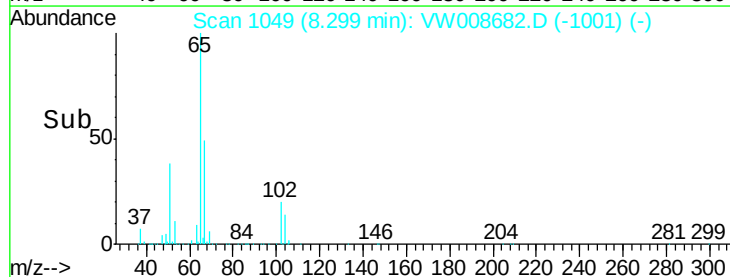
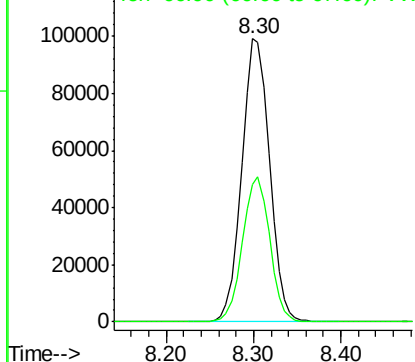


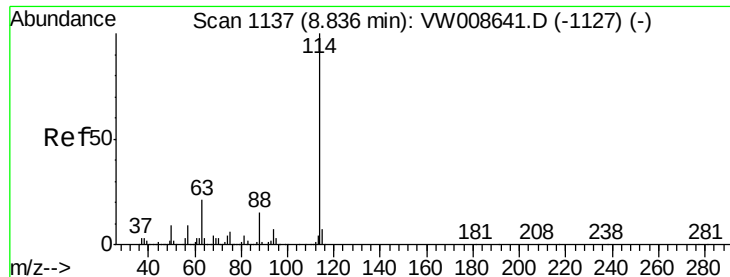
#33
1,2-Dichloroethane-d4
Concen: 52.000 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

Tgt Ion: 65 Resp: 219279
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.0



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

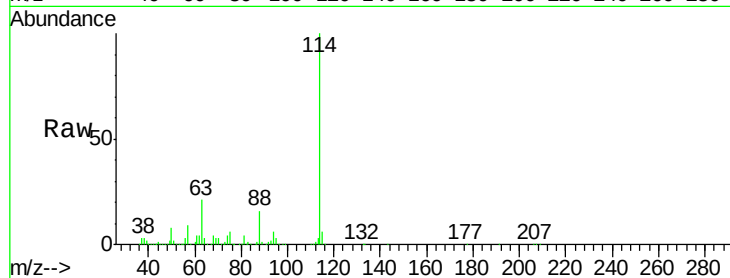




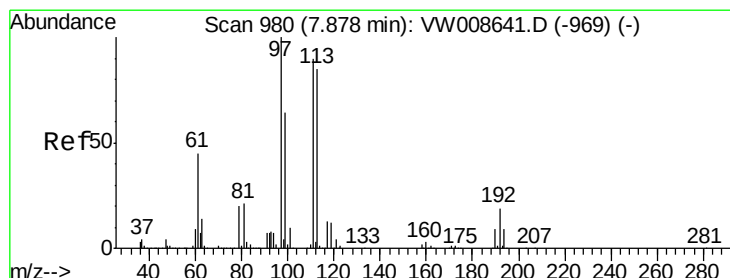
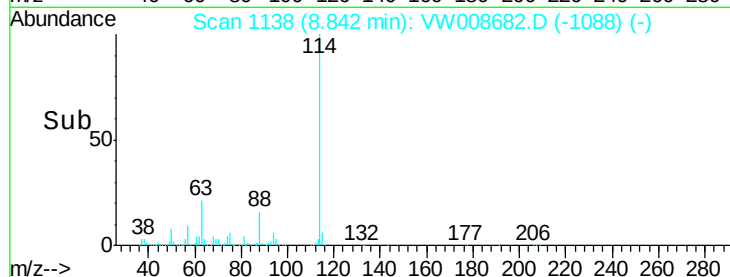
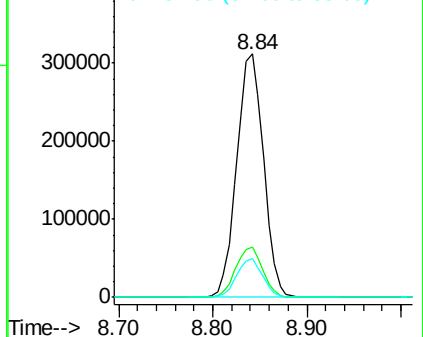
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008682.D
 Acq: 15 Feb 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.2
88	16.1	0.0	29.6

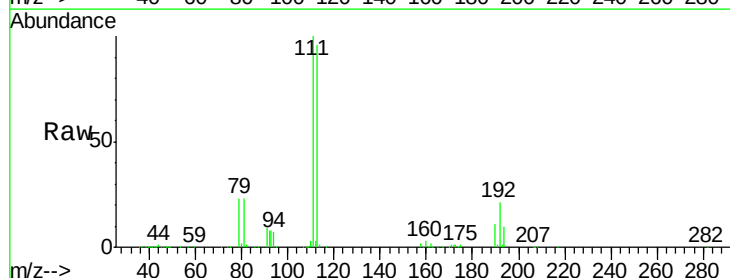


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

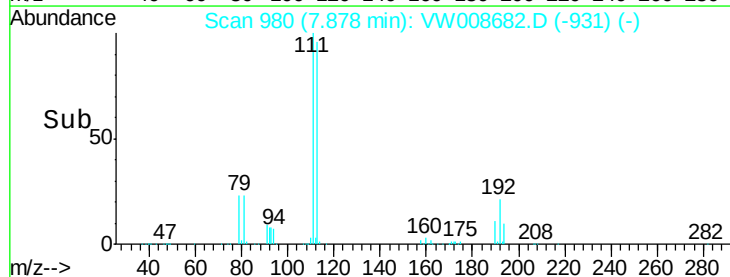
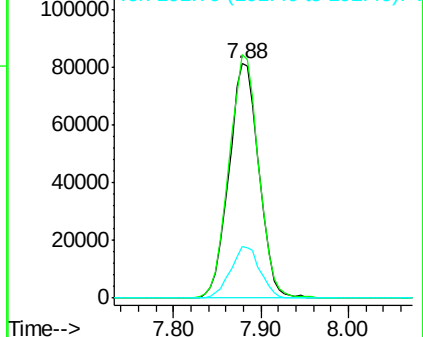


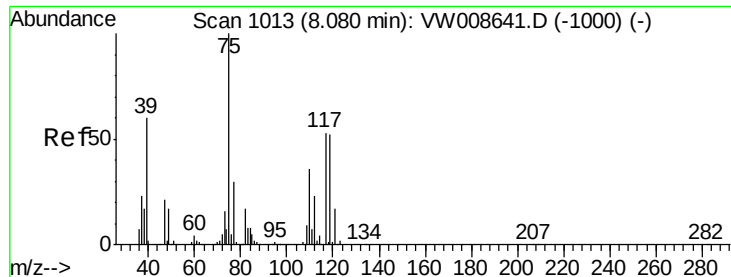
#35
 Dibromofluoromethane
 Concen: 50.370 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008682.D
 Acq: 15 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	84.0	126.0
192	21.6	17.4	26.2



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: 4.801 ug/l

RT: 7.94 min Scan# 990

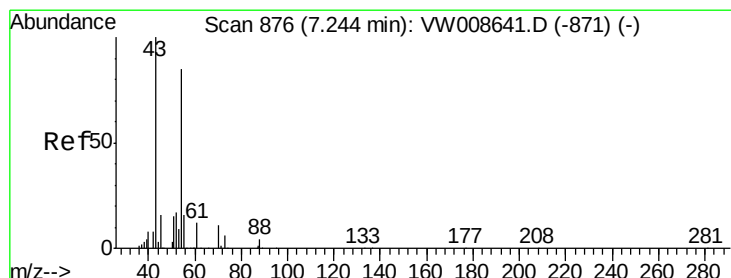
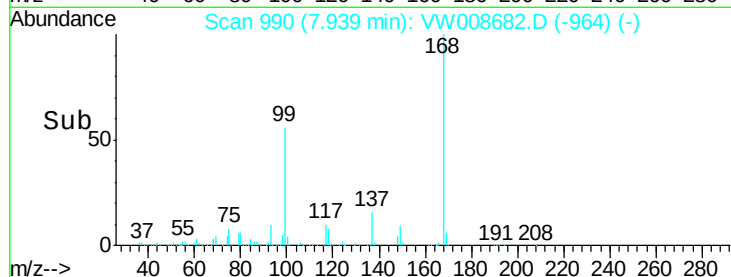
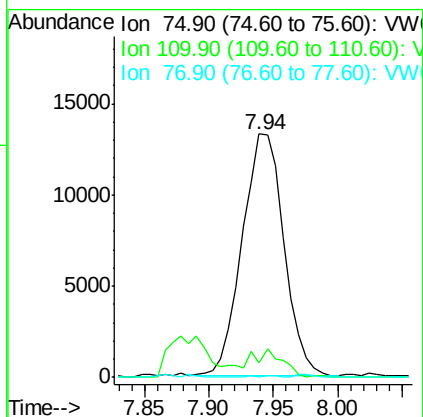
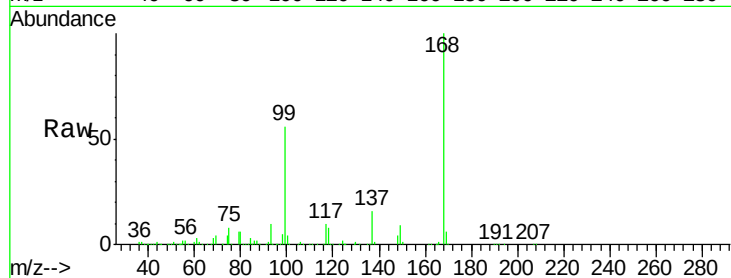
Delta R.T. -0.14 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	29858
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.3#
77	0.2	24.7	37.1#



#37

Ethyl Acetate

Concen: 5.337 ug/l

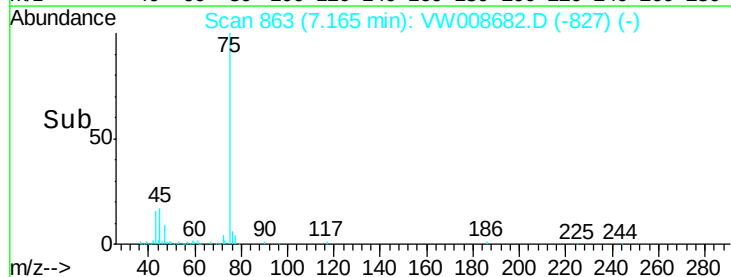
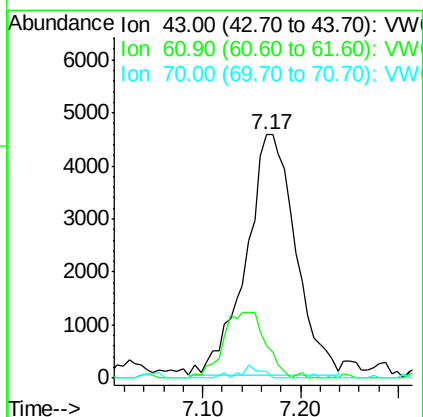
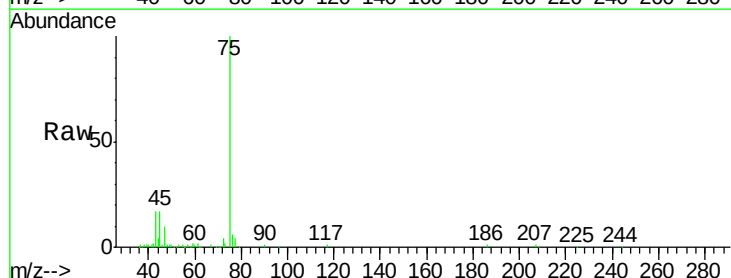
RT: 7.17 min Scan# 863

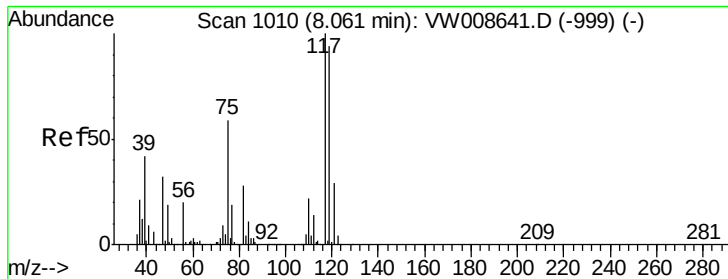
Delta R.T. -0.08 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

Tgt Ion:	43	Resp:	16011
Ion	Ratio	Lower	Upper
43	100		
61	23.2	10.5	15.7#
70	1.9	8.1	12.1#

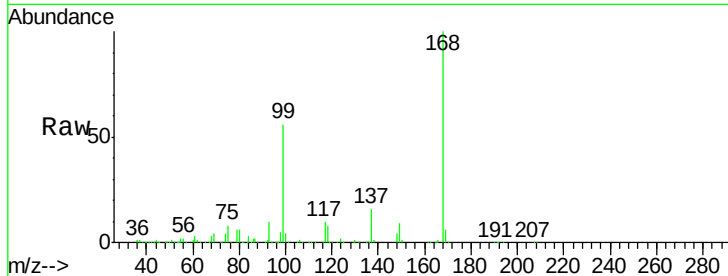




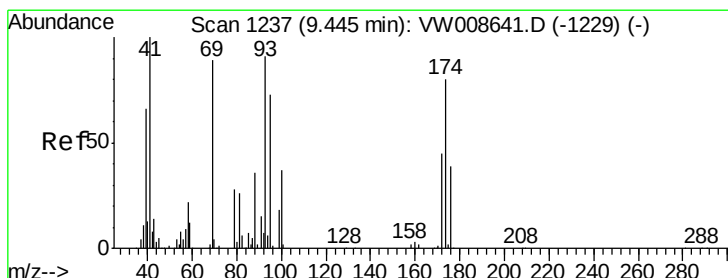
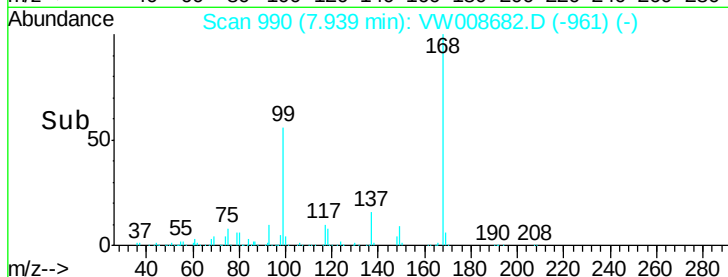
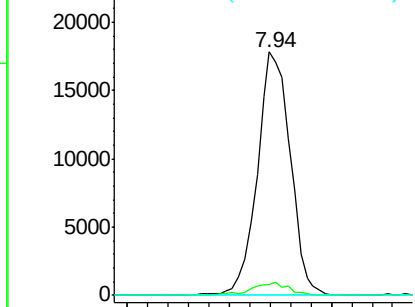
#38
Carbon Tetrachloride
Concen: 6.472 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.12 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 40028
Ion Ratio Lower Upper
117 100
119 4.5 75.1 112.7#
121 0.0 23.5 35.3#

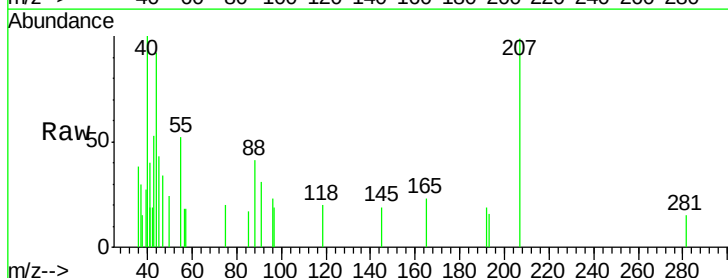


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

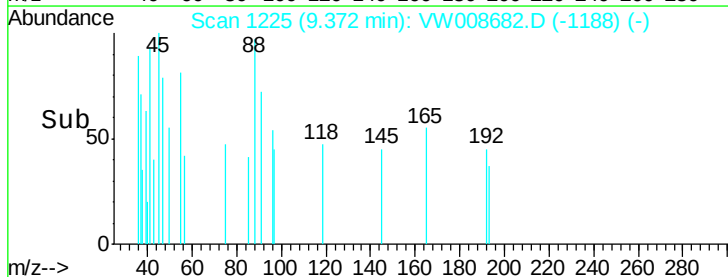
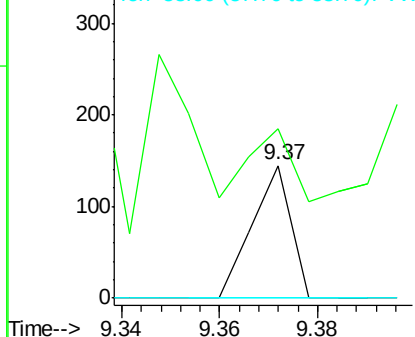


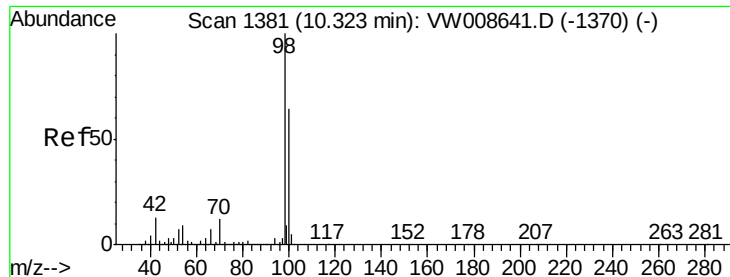
#49
1,4-Dioxane
Concen: 2.137 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. -0.07 min
Lab File: VW008682.D
Acq: 15 Feb 2019 14:10

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 57.0 85.6#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.977 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

Instrument :

MSVOA_W

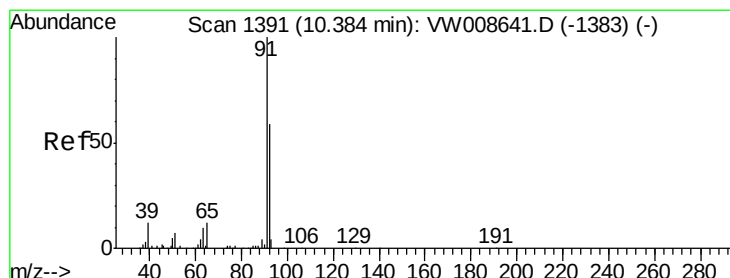
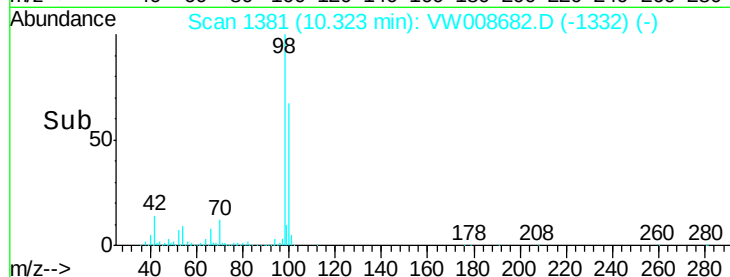
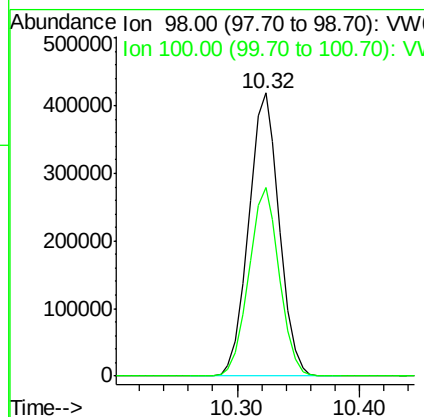
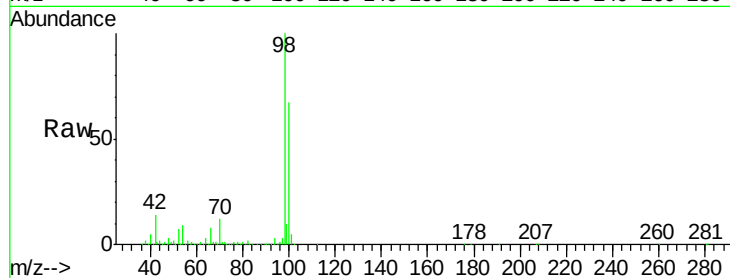
ClientSampleId :

Tot Ion: 98 Resp: 725746

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.4



#52

Toluene

Concen: 1.004 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008682.D

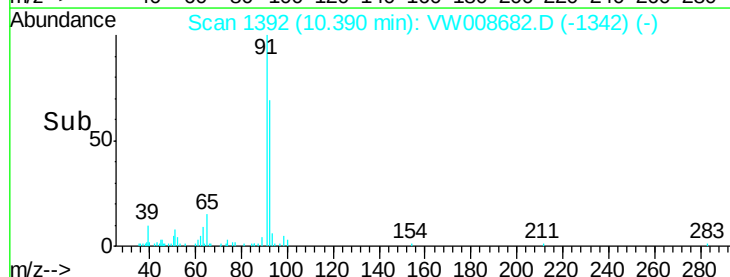
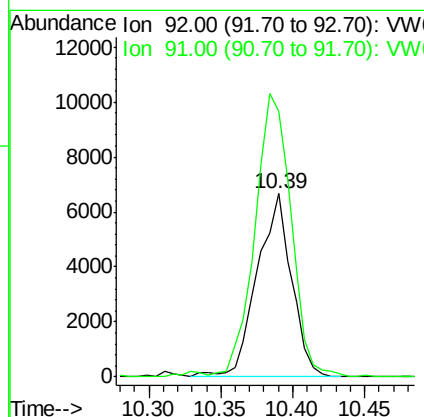
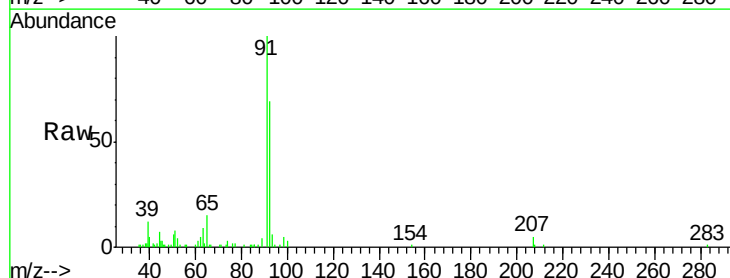
Acq: 15 Feb 2019 14:10

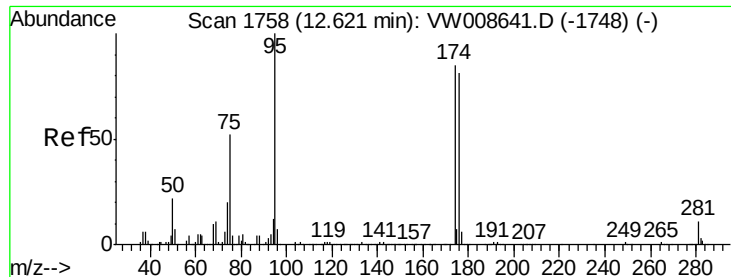
Tgt Ion: 92 Resp: 10997

Ion Ratio Lower Upper

92 100

91 162.2 135.8 203.6





#62

4-Bromofluorobenzene

Concen: 43.926 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

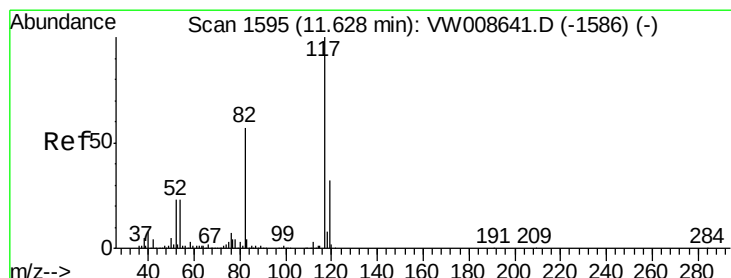
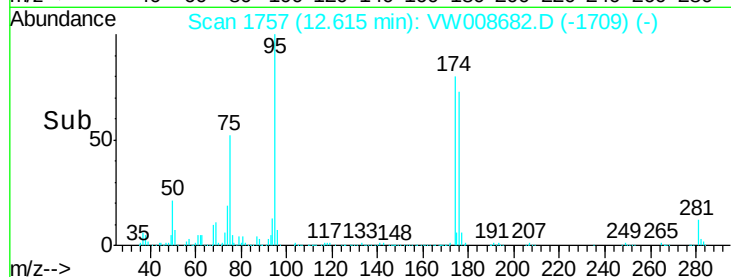
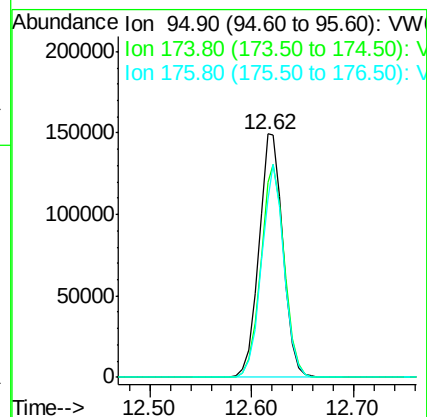
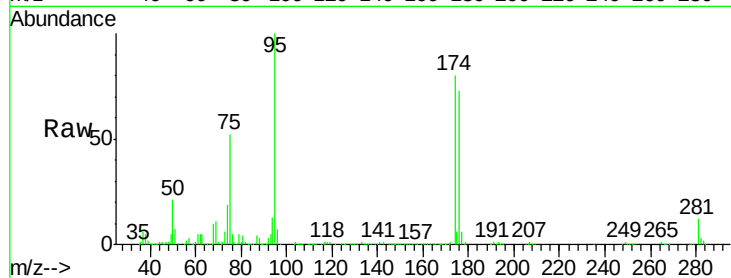
Tot Ion: 95 Resp: 245174

Ion Ratio Lower Upper

95 100

174 85.5 0.0 163.2

176 81.6 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

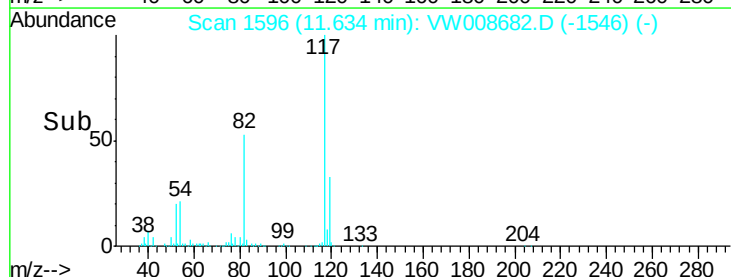
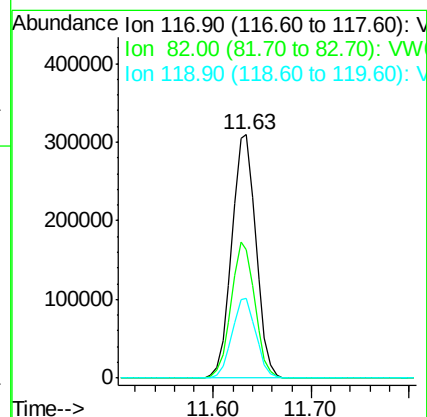
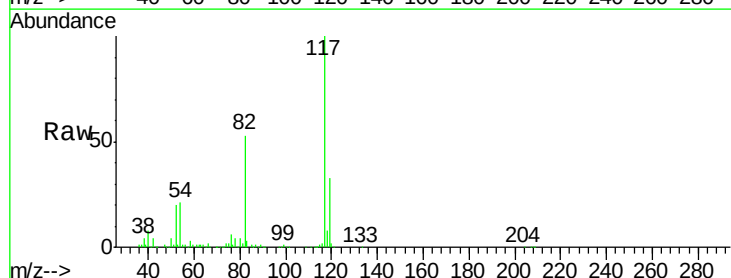
Tgt Ion: 117 Resp: 530869

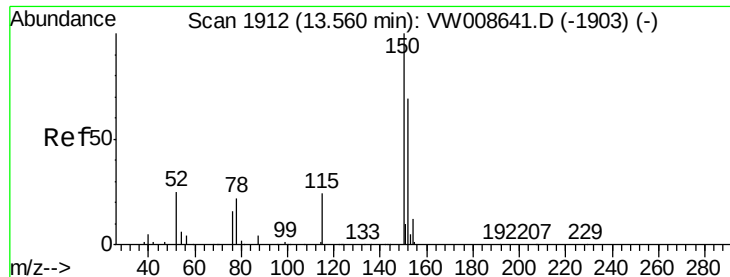
Ion Ratio Lower Upper

117 100

82 52.6 45.6 68.4

119 32.8 25.7 38.5

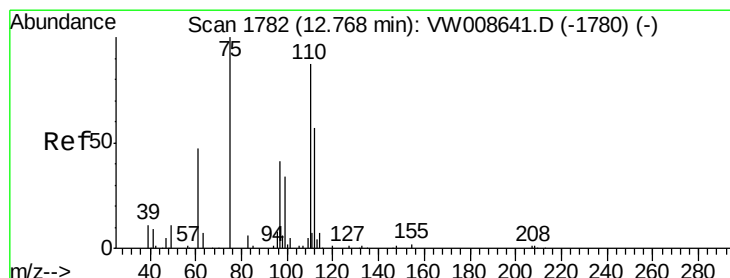
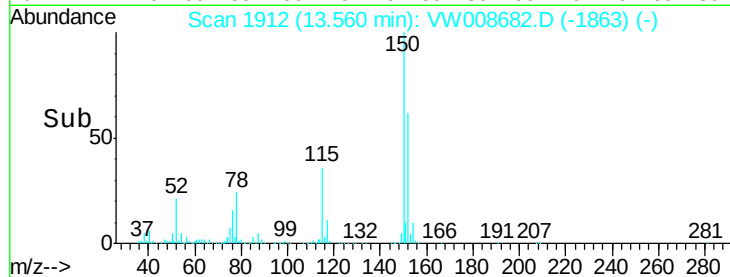
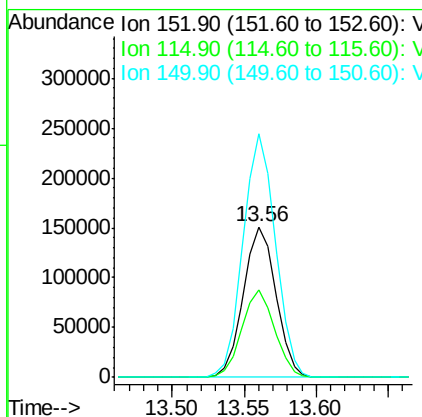
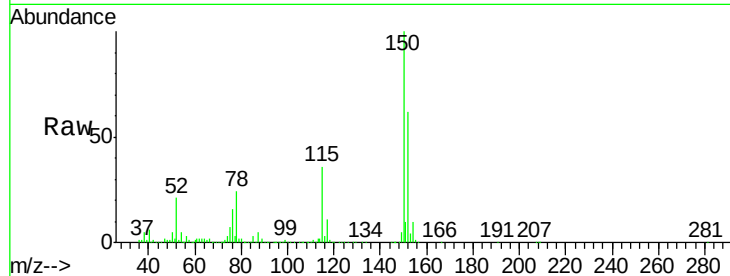




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008682.D
 Acq: 15 Feb 2019 14:10

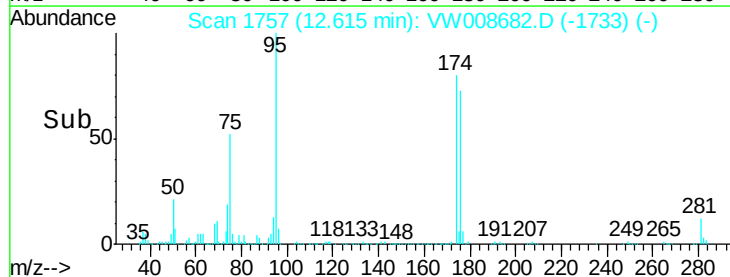
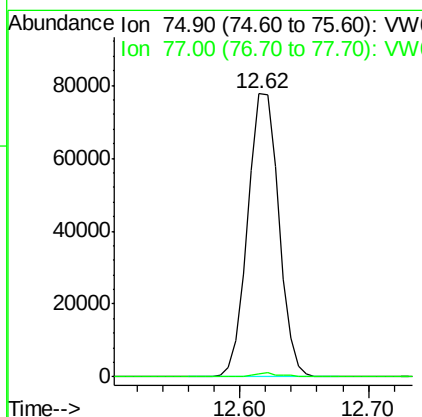
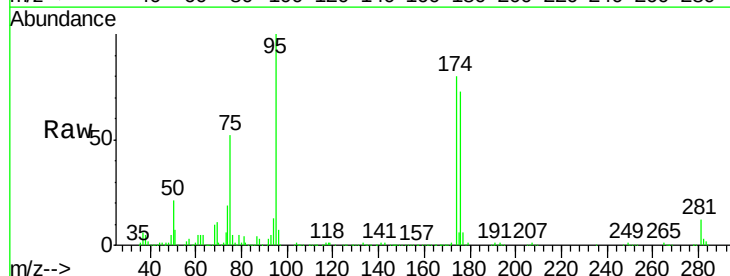
Instrument :
 MSVOA_W
 ClientSampleId :

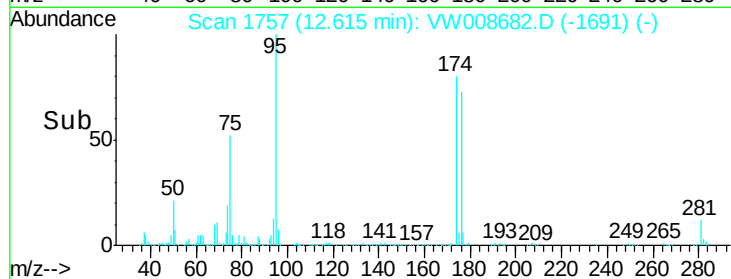
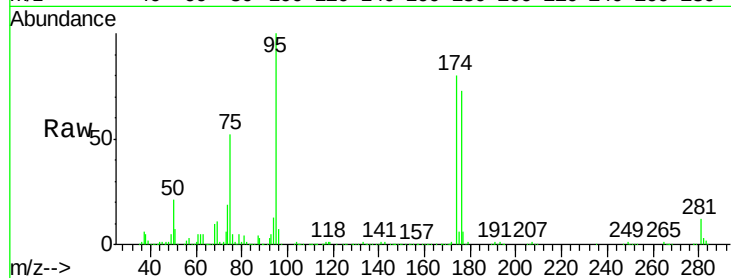
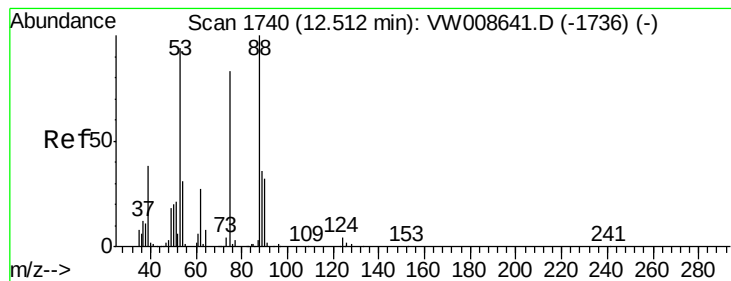
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	87.8
150	159.9	0.0	352.8



#76
 1,2,3-Trichloropropane
 Concen: 55.053 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008682.D
 Acq: 15 Feb 2019 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.783 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008682.D

Acq: 15 Feb 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 129234

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.0#

89 0.2 37.0 55.4#

