

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008912.D
 Acq On : 01 Mar 2019 04:03
 Operator : SY/VA
 Sample : K1665-05
 Misc : 6.76G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 200053

Quant Time: Mar 01 06:07:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	506584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	210259	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	179396	58.70	ug/l	0.00
Spiked Amount			Recovery	=	117.40%	
35) Dibromofluoromethane	7.88	113	154424	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.32	98	602662	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.62	95	213421	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

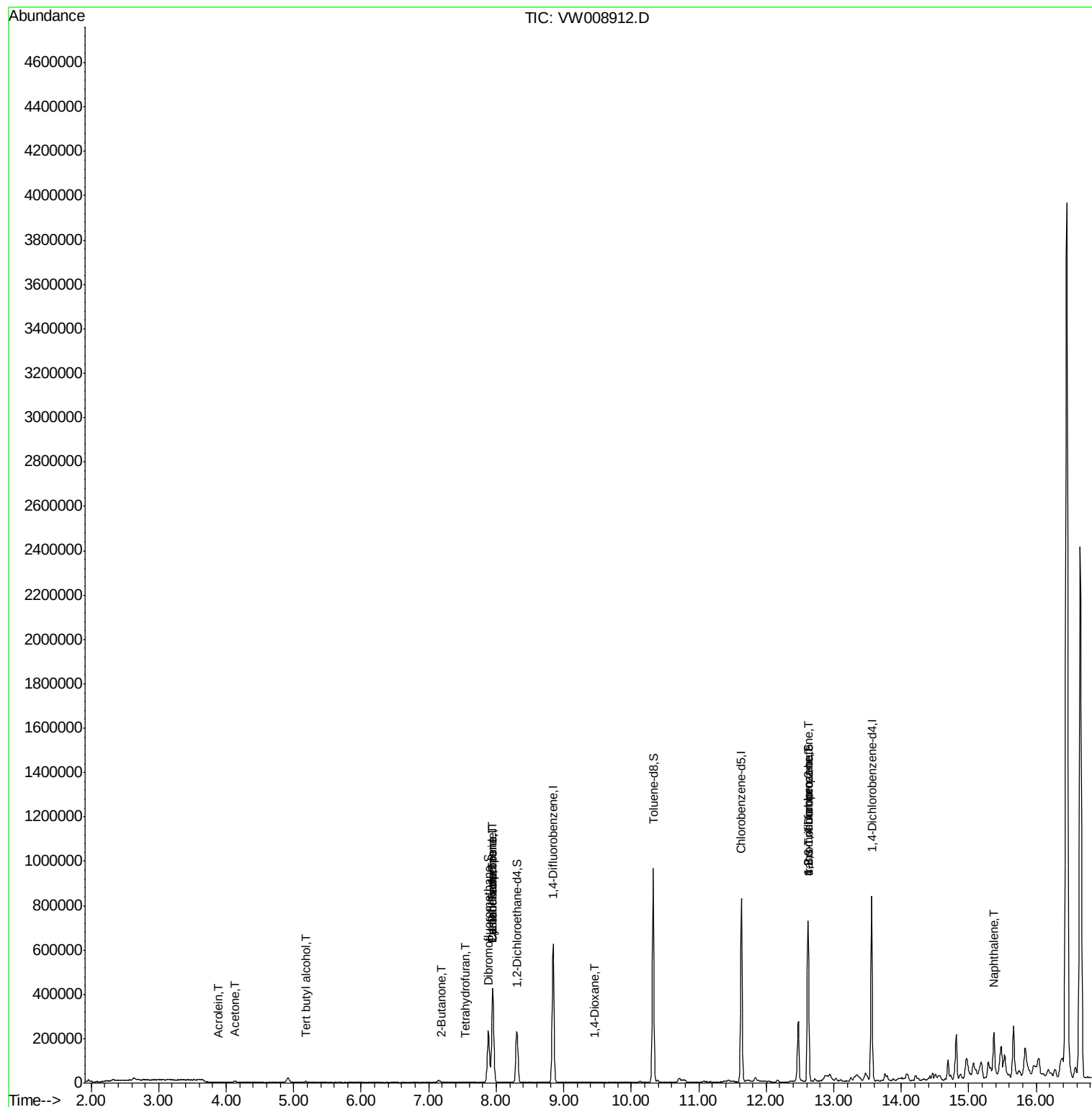
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	8779	32.265	ug/l #	93
13) Acrolein	3.87	56	20	19.844	ug/l #	1
16) Acetone	4.13	43	13417	18.939	ug/l #	82
20) Methylene Chloride	4.92	84	14926	Below Cal		86
25) 2-Butanone	7.19	43	1097	1.108	ug/l #	87
29) Tetrahydrofuran	7.55	42	1566	2.481	ug/l	90
31) Cyclohexane	7.95	56	7204	1.250	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	24792	5.028	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30831	5.928	ug/l #	17
49) 1,4-Dioxane	9.46	88	84	2.834	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	111503	64.231	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	111503	156.151	ug/l #	6
95) Naphthalene	15.37	128	149201	19.314	ug/l	99

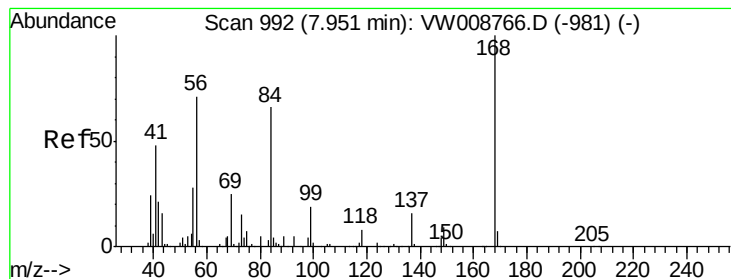
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

Instrument :

MSVOA_W

ClientSampleId :

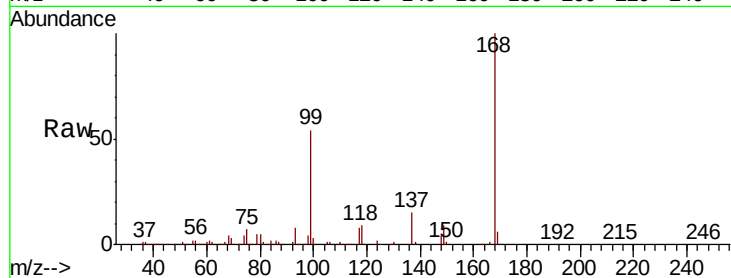
200053

Tot Ion:168 Resp: 325860

Ion Ratio Lower Upper

168 100

99 54.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

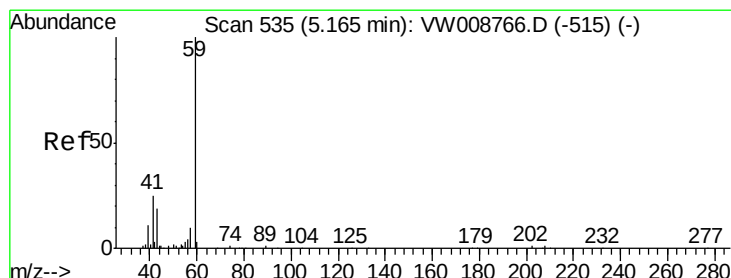
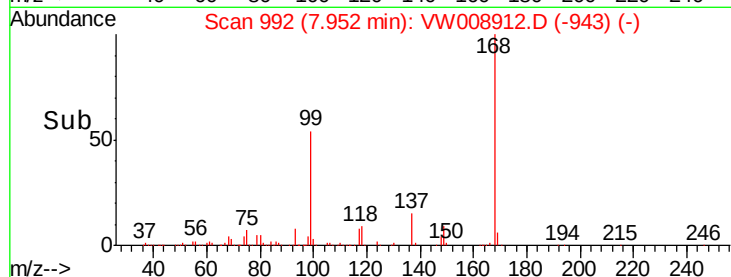
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 32.265 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW008912.D

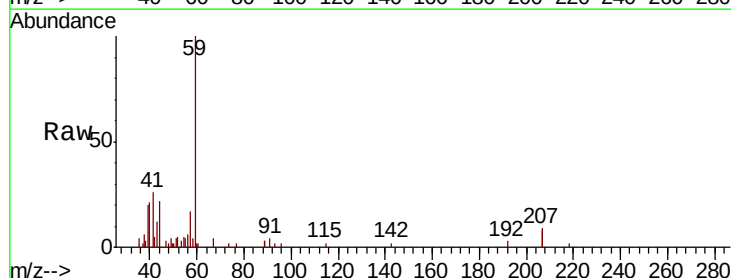
Acq: 01 Mar 2019 04:03

Tgt Ion: 59 Resp: 8779

Ion Ratio Lower Upper

59 100

57 8.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

3000

2500

2000

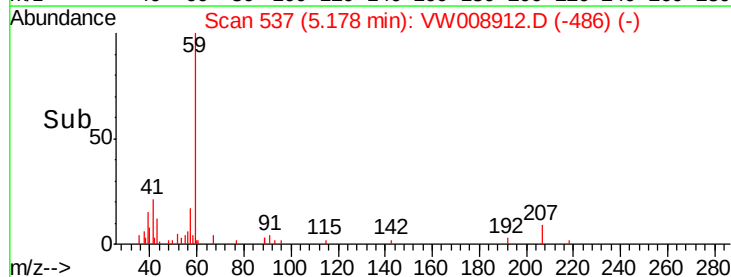
1500

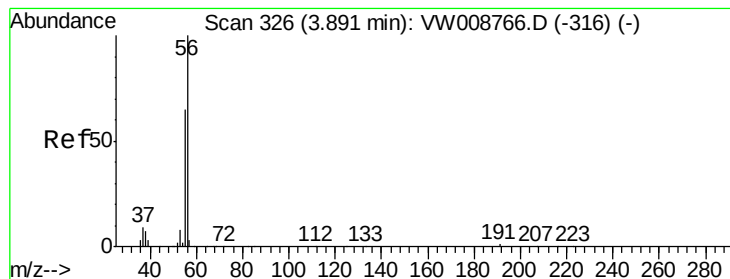
1000

500

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 19.844 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.02 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

Instrument :

MSVOA_W

ClientSampled :

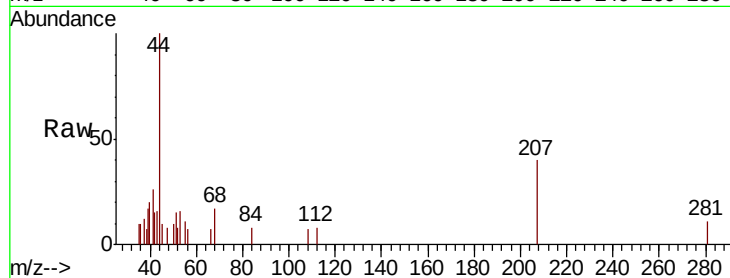
200053

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

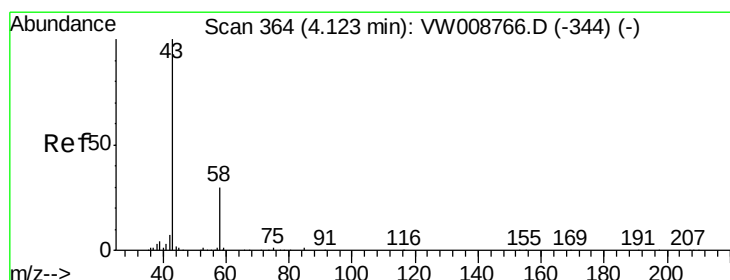
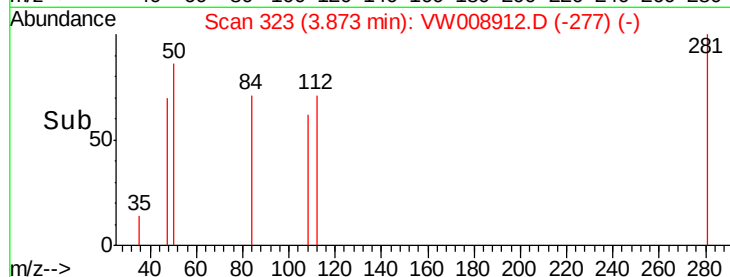
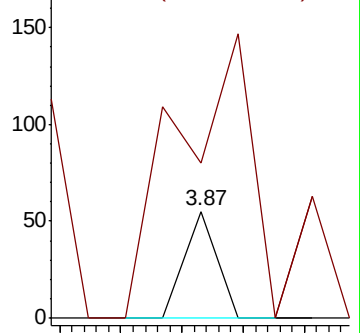
56 100

55 730.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 18.939 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008912.D

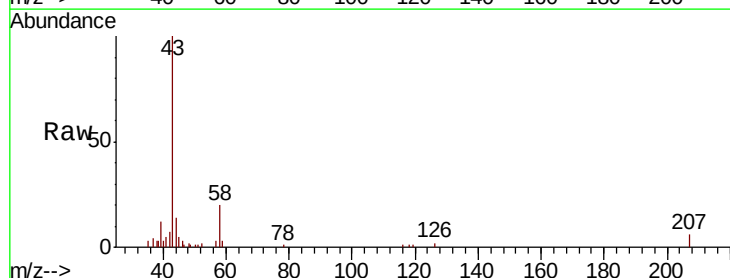
Acq: 01 Mar 2019 04:03

Tgt Ion: 43 Resp: 13417

Ion Ratio Lower Upper

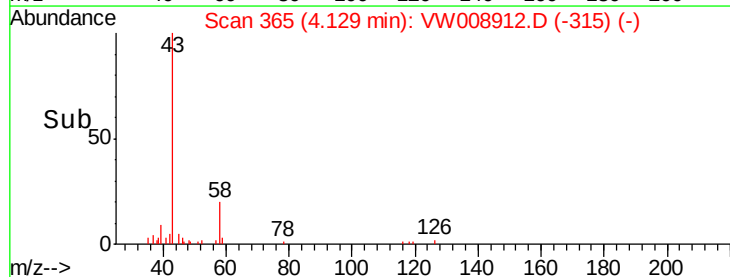
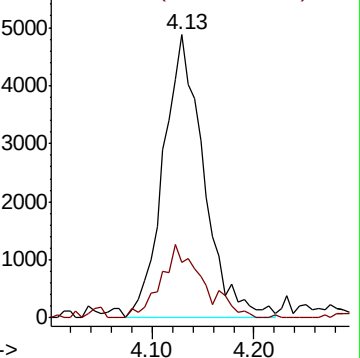
43 100

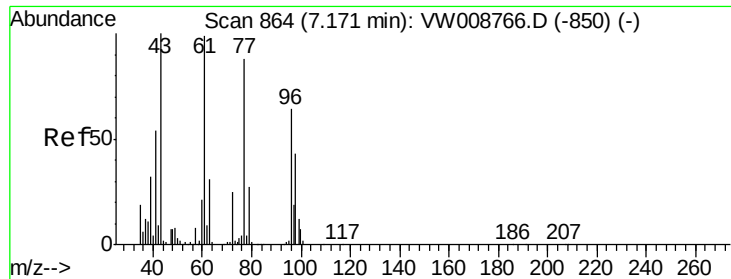
58 19.8 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 1.108 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

Instrument :

MSVOA_W

ClientSampled :

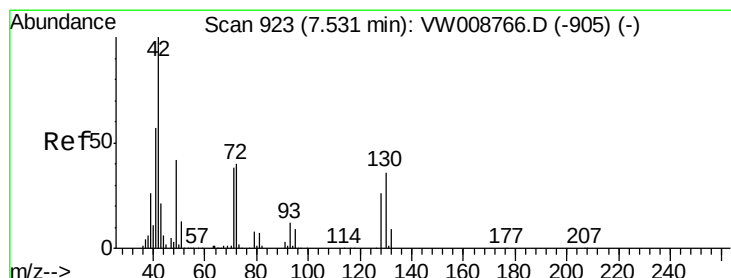
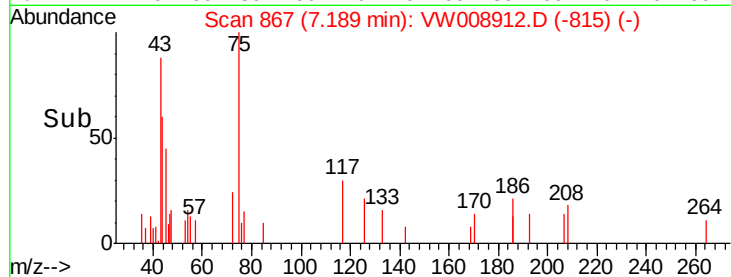
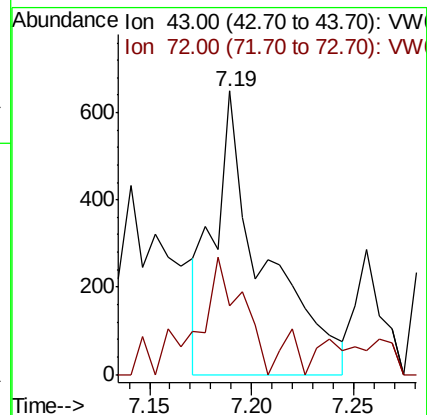
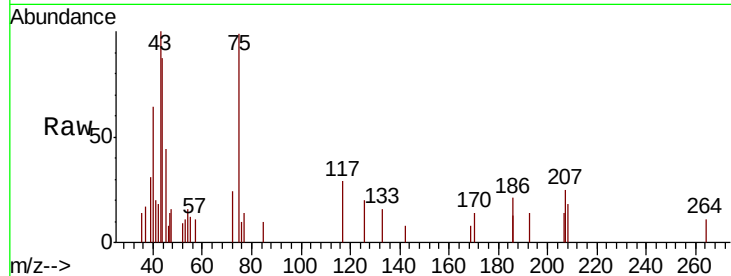
200053

Tot Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

72 18.1 19.7 29.5#



#29

Tetrahydrofuran

Concen: 2.481 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

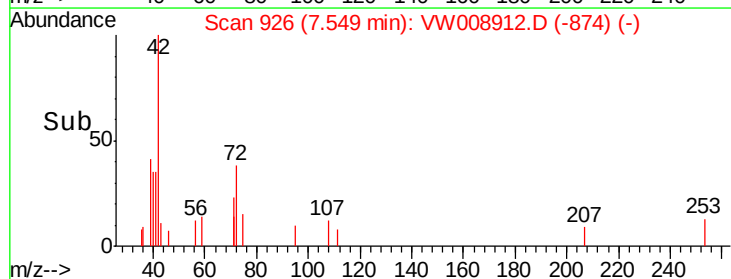
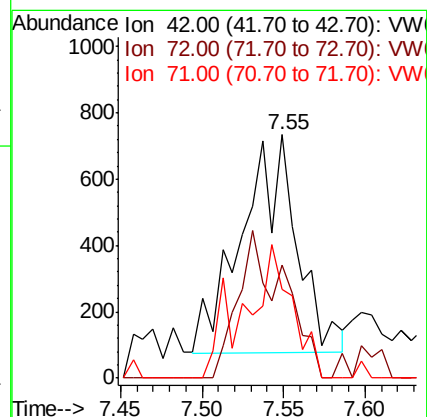
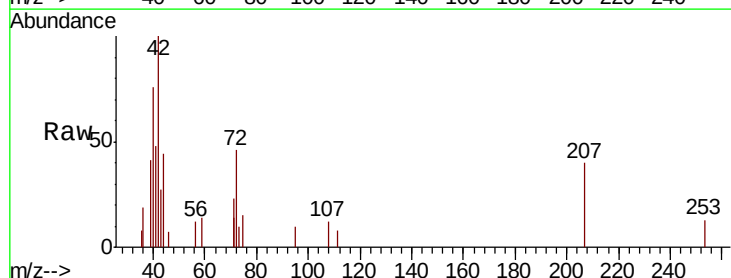
Tgt Ion: 42 Resp: 1566

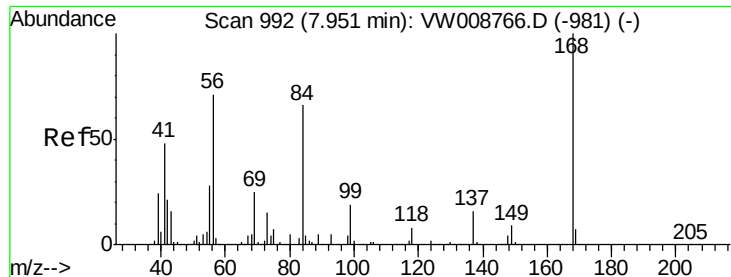
Ion Ratio Lower Upper

42 100

72 35.8 32.7 49.1

71 31.8 31.3 46.9

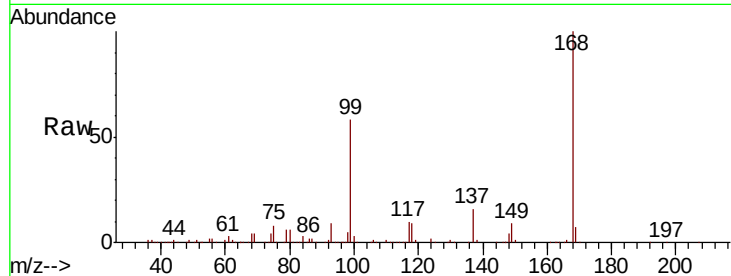




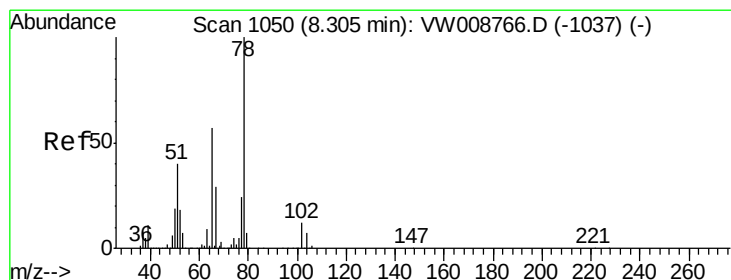
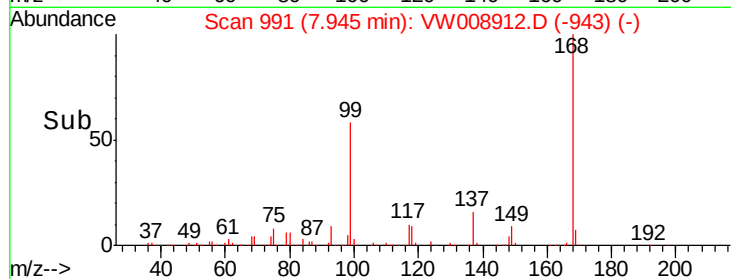
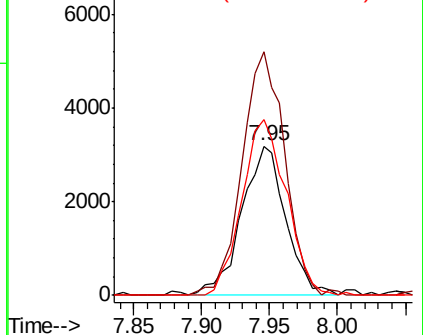
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

Instrument :
MSVOA_W
ClientSampled :
200053

Tot Ion: 56 Resp: 7204
Ion Ratio Lower Upper
56 100
69 163.4 28.2 42.4#
84 117.7 74.1 111.1#

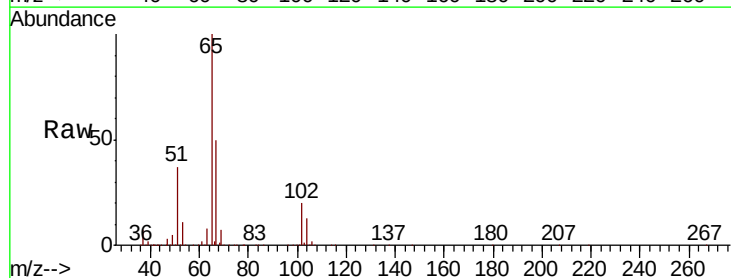


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

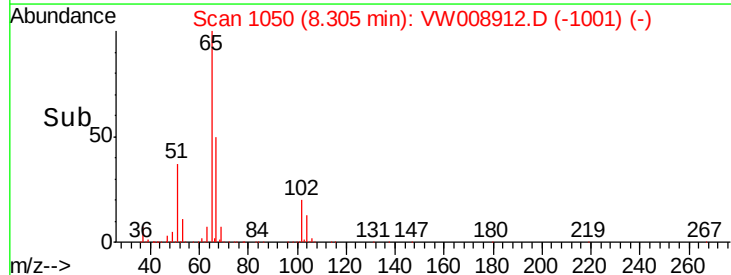
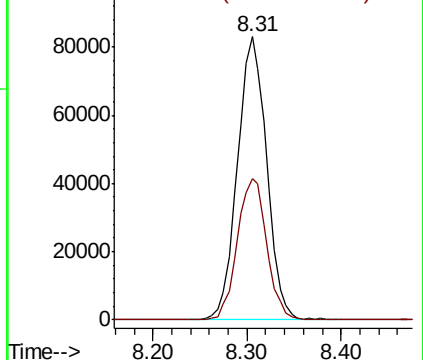


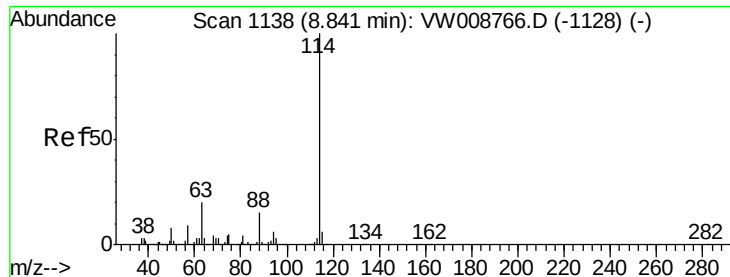
#33
1,2-Dichloroethane-d4
Concen: 58.698 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

Tgt Ion: 65 Resp: 179396
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.4



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: VW008912.D

Acq: 01 Mar 2019 04:03

Instrument :

MSVOA_W

ClientSampleId :

200053

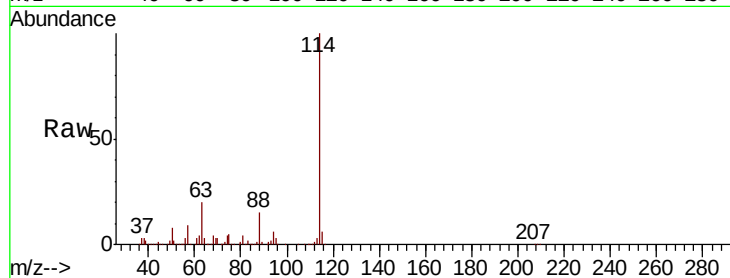
Tot Ion:114 Resp: 506584

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

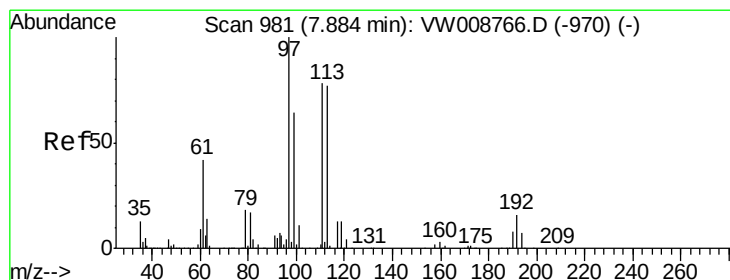
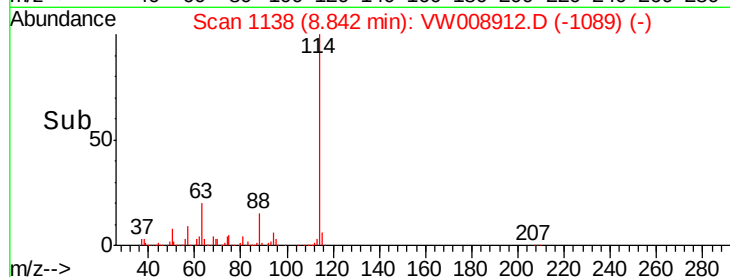
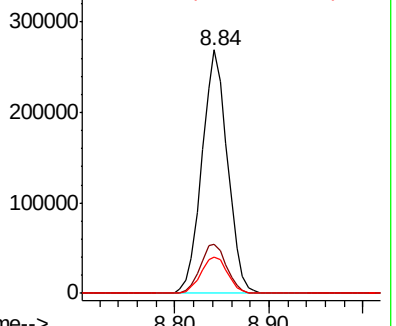
88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.771 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

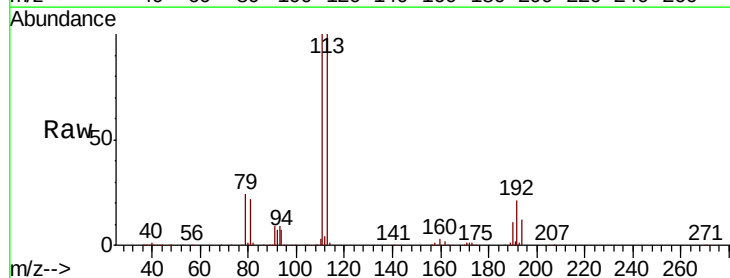
Tgt Ion:113 Resp: 154424

Ion Ratio Lower Upper

113 100

111 103.6 81.9 122.9

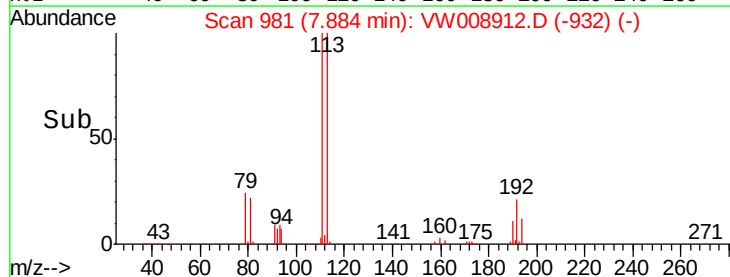
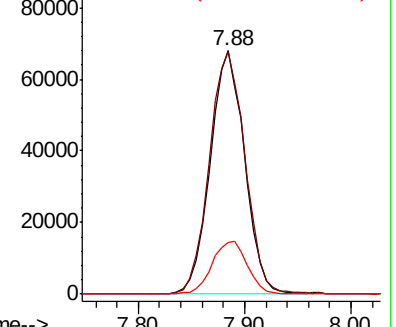
192 22.3 17.1 25.7

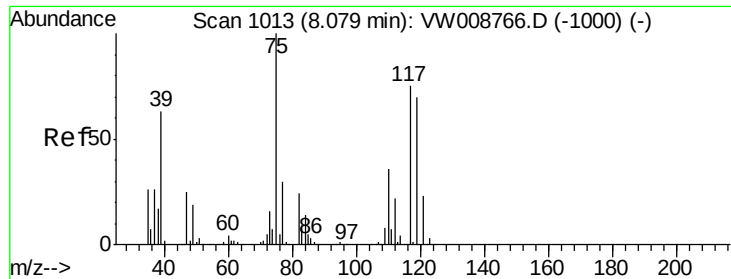


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

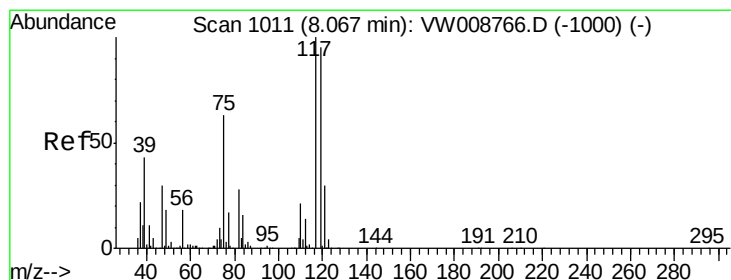
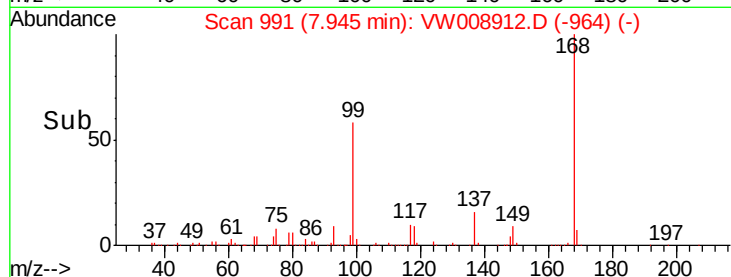
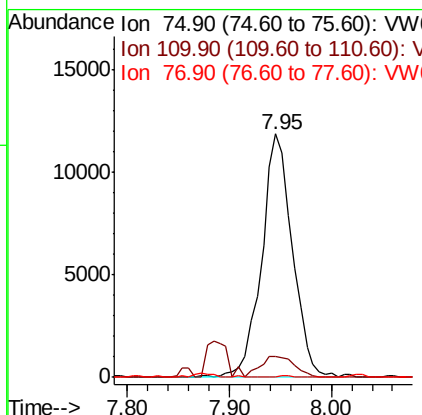
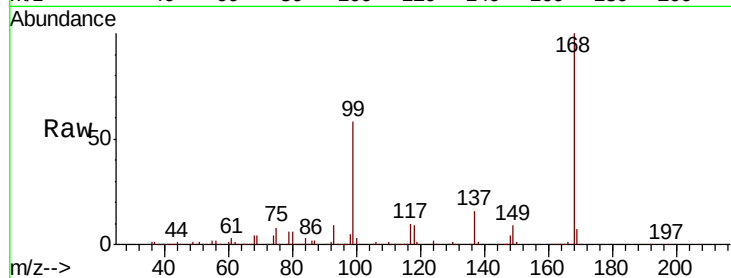




#36
 1,1-Dichloropropene
 Concen: 5.028 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008912.D
 Acq: 01 Mar 2019 04:03

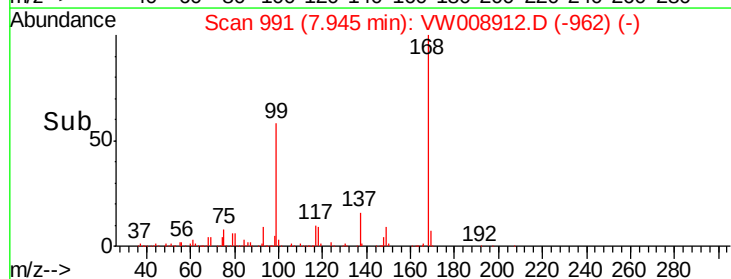
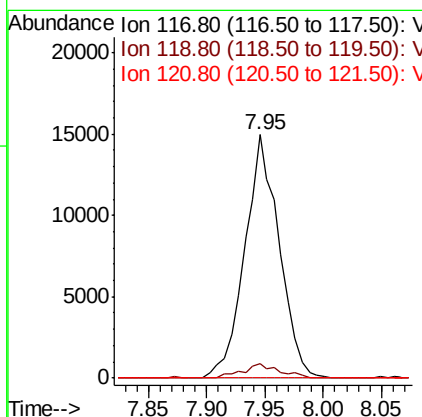
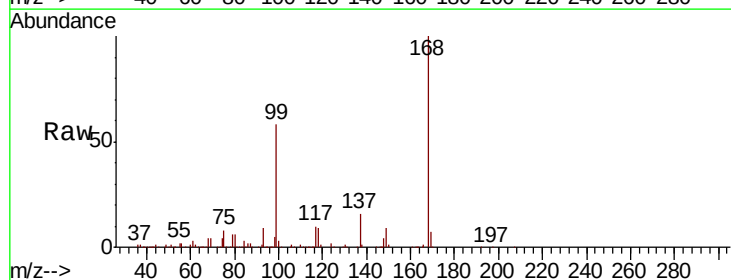
Instrument :
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 200053

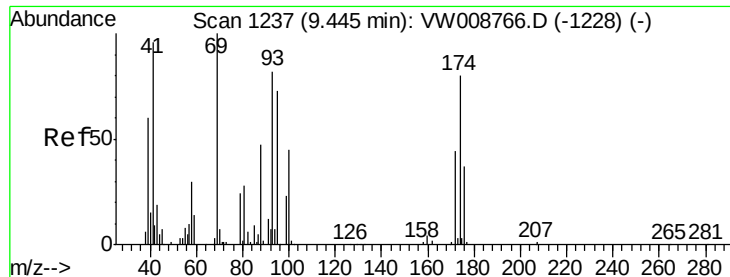
Tot Ion: 75 Resp: 24792
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.5 52.6#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008912.D
 Acq: 01 Mar 2019 04:03

Tgt Ion: 117 Resp: 30831
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.1 114.1#
 121 0.0 24.0 36.0#

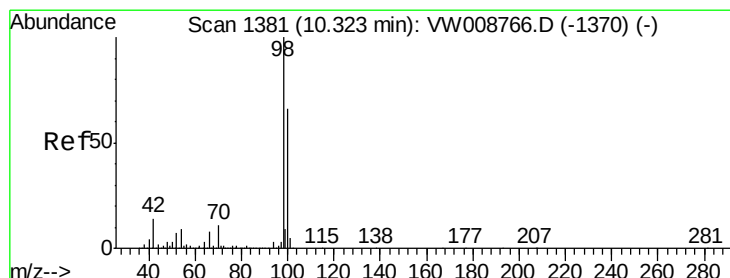
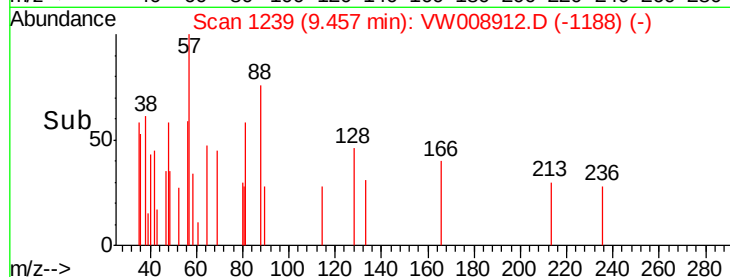
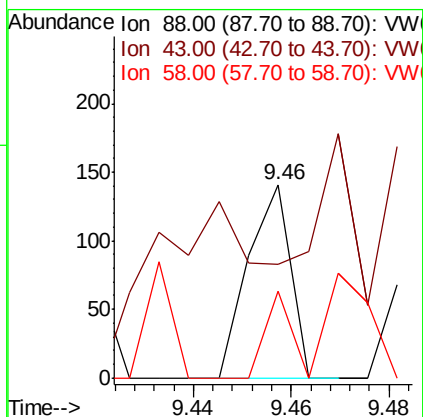
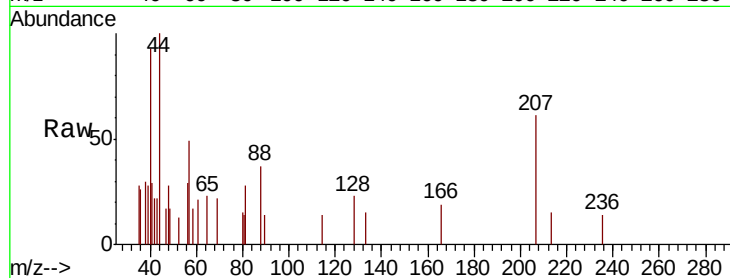




#49
1,4-Dioxane
Concen: 2.834 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

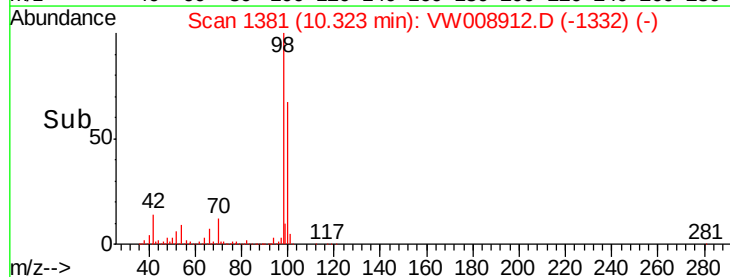
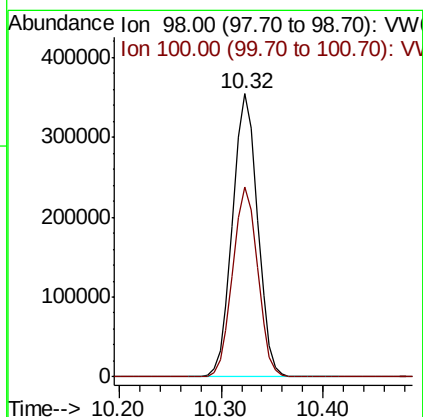
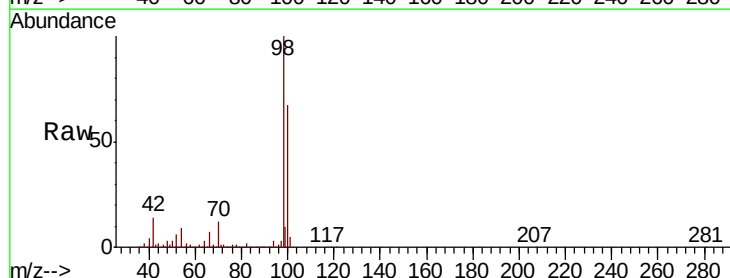
Instrument :
MSVOA_W
ClientSampleId :
200053

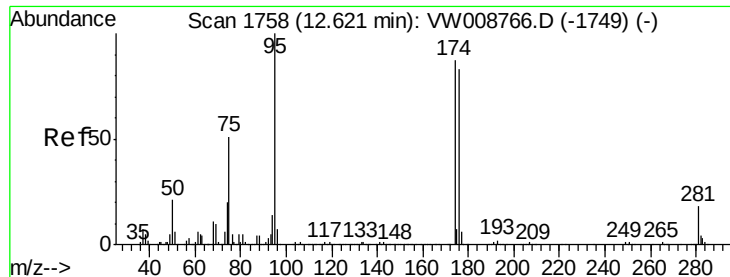
Tot Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 240.5 29.0 43.4#
58 0.0 52.0 78.0#



#50
Toluene-d8
Concen: 51.328 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

Tgt Ion: 98 Resp: 602662
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

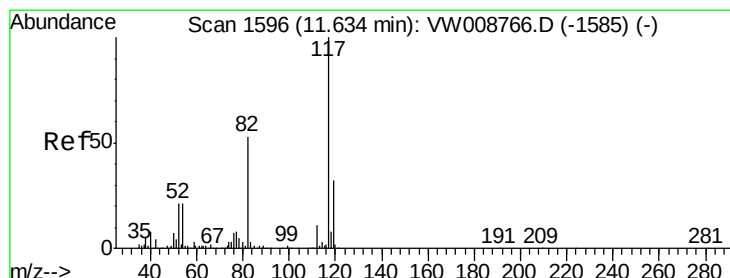
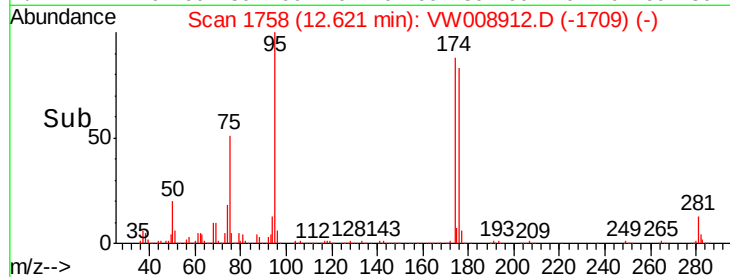
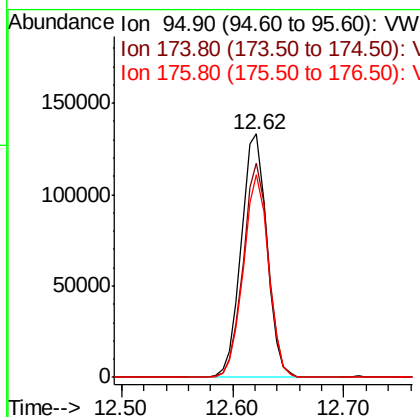
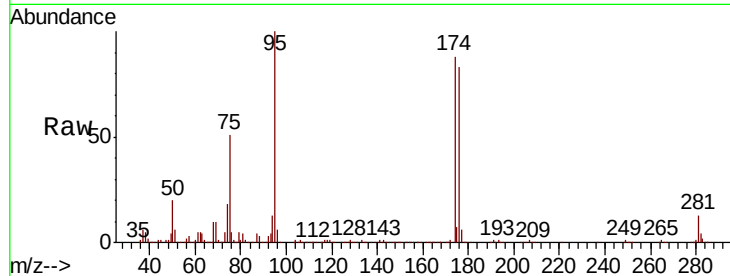




#62
4-Bromofluorobenzene
Concen: 46.423 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

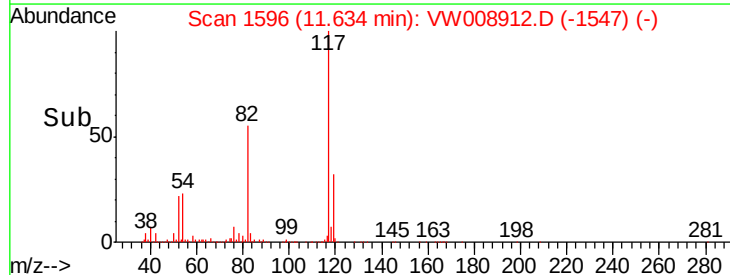
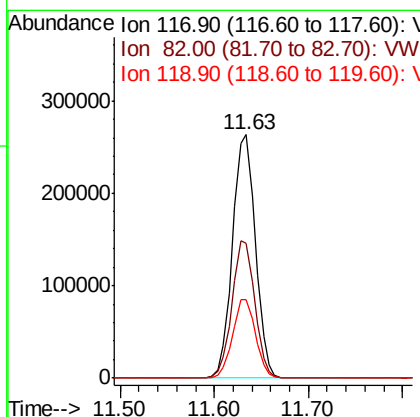
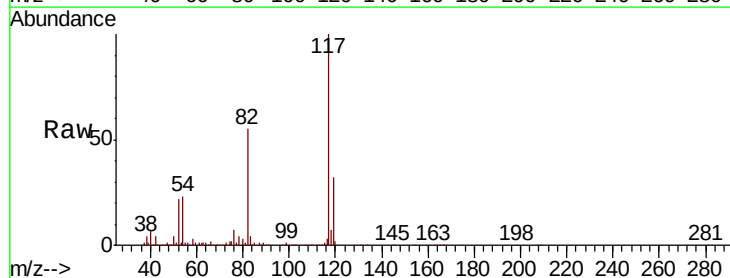
Instrument :
MSVOA_W
ClientSampleId :
200053

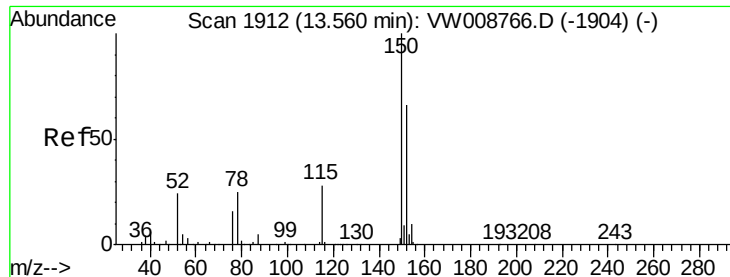
Tot Ion: 95 Resp: 213421
Ion Ratio Lower Upper
95 100
174 86.6 0.0 169.2
176 81.6 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008912.D
Acq: 01 Mar 2019 04:03

Tgt Ion: 117 Resp: 444558
Ion Ratio Lower Upper
117 100
82 55.2 42.2 63.4
119 32.0 25.9 38.9

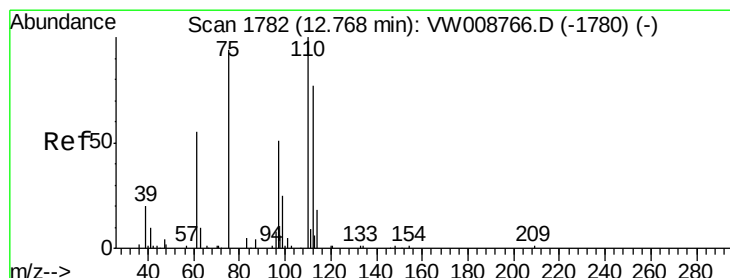
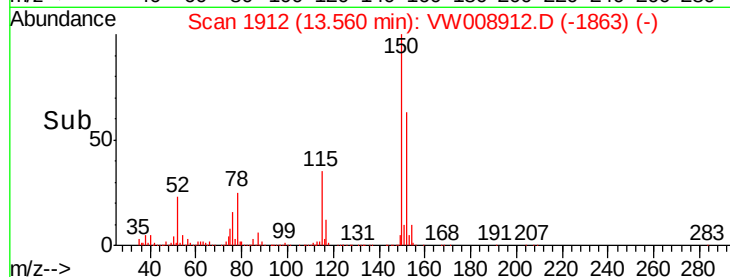
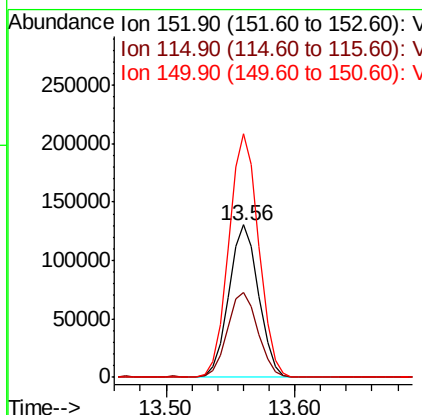
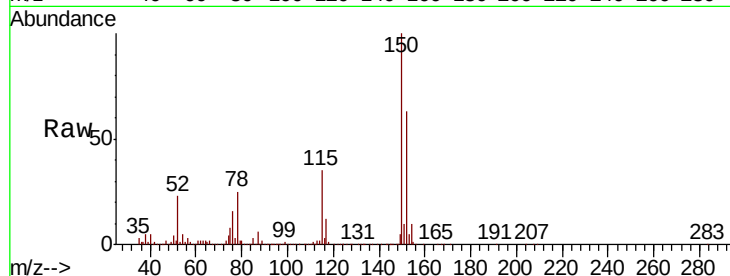




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008912.D
 Acq: 01 Mar 2019 04:03

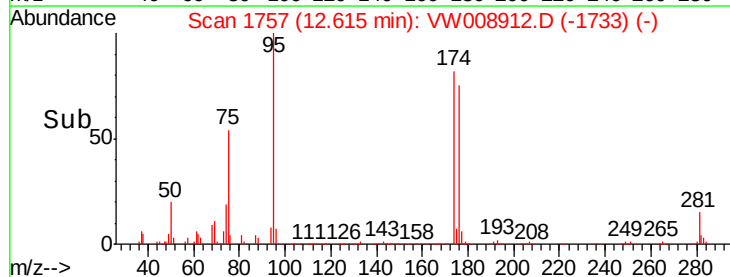
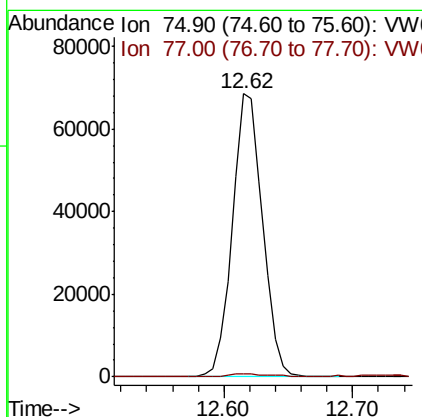
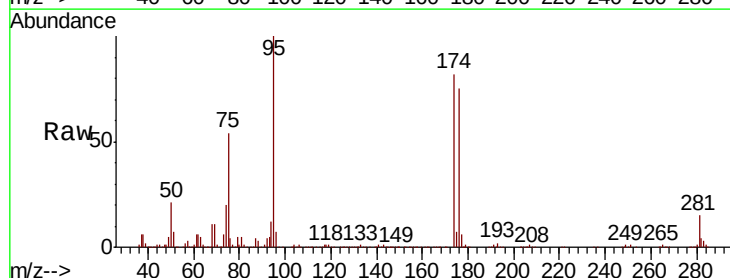
Instrument :
 MSVOA_W
 ClientSampled :
 200053

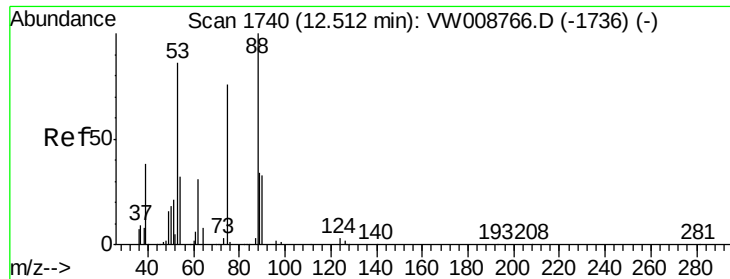
Tot Ion:152 Resp: 210259
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.6 85.8
 150 160.2 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 64.231 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008912.D
 Acq: 01 Mar 2019 04:03

Tgt Ion: 75 Resp: 111503
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 156.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

Instrument :

MSVOA_W

ClientSampleId :

200053

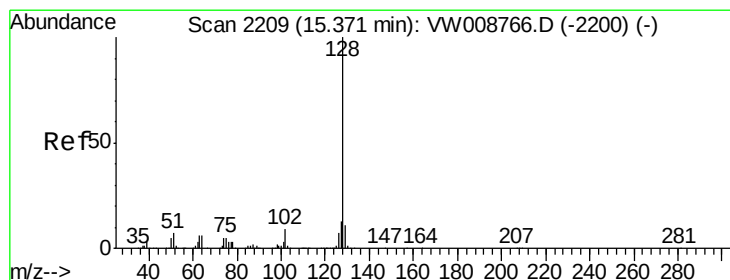
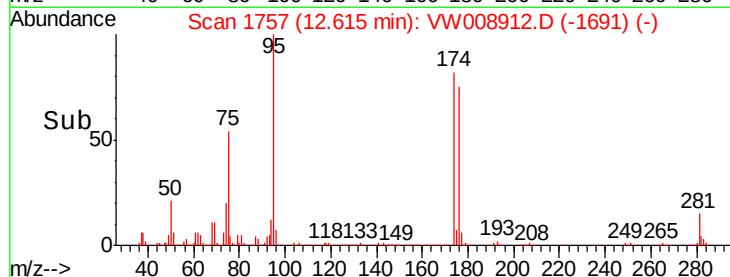
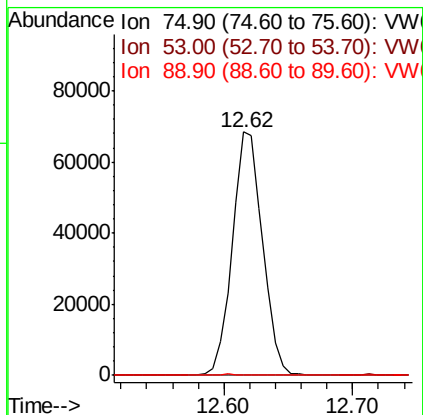
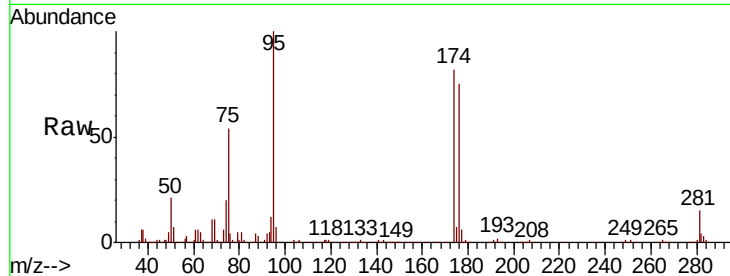
Tot Ion: 75 Resp: 111503

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

89 0.3 39.5 59.3#



#95

Naphthalene

Concen: 19.314 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008912.D

Acq: 01 Mar 2019 04:03

Tgt Ion: 128 Resp: 149201

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 11.4 8.7 13.1

