

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008561.D
 Acq On : 07 Feb 2019 19:03
 Operator : SY/VA
 Sample : K1390-13
 Misc : 5.29G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-07(7-8)

Quant Time: Feb 08 22:43:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	542958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	879151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	816088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	406634	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	298585	55.98	ug/l	0.00
Spiked Amount			Recovery	=	111.96%	
35) Dibromofluoromethane	7.88	113	273471	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	10.32	98	1060541	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	399729	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

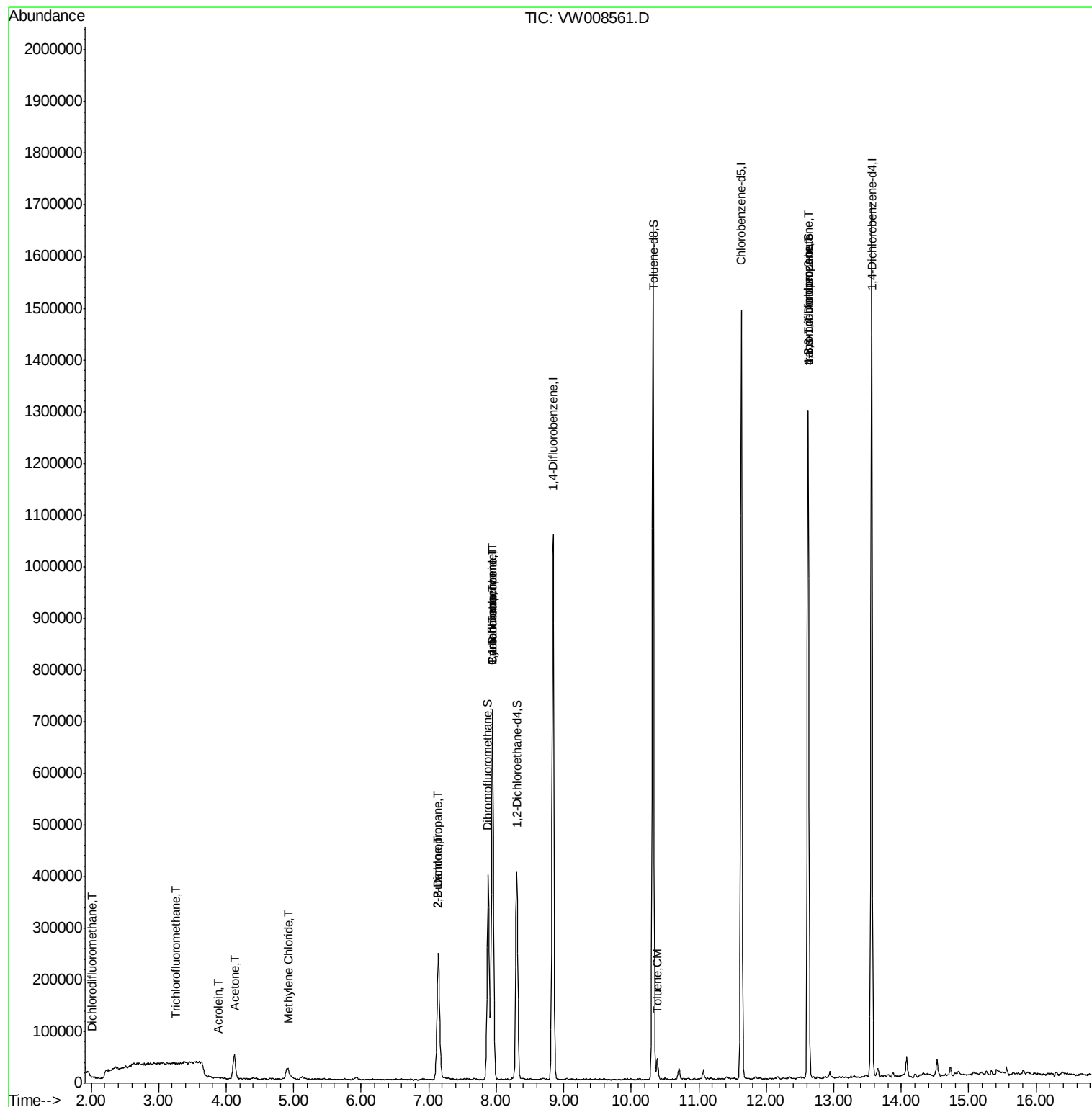
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	94	3.280	ug/l #	41
7) Trichlorofluoromethane	3.25	101	121	4.747	ug/l	89
13) Acrolein	3.88	56	208	4.725	ug/l #	14
16) Acetone	4.12	43	82394	68.785	ug/l	97
20) Methylene Chloride	4.92	84	18515	3.354	ug/l	92
25) 2-Butanone	7.15	43	15481	9.305	ug/l #	67
26) 2,2-Dichloropropane	7.13	77	16392	2.395	ug/l #	53
31) Cyclohexane	7.94	56	13032	1.245	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	40016	4.819	ug/l #	52
38) Carbon Tetrachloride	7.95	117	52730	6.310	ug/l #	16
52) Toluene	10.38	92	16990	1.117	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	210531	59.549	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	210531	117.615	ug/l #	12

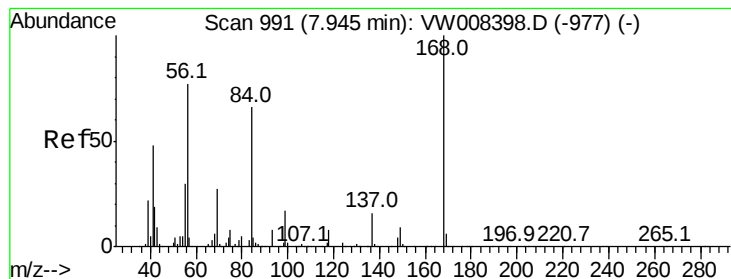
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

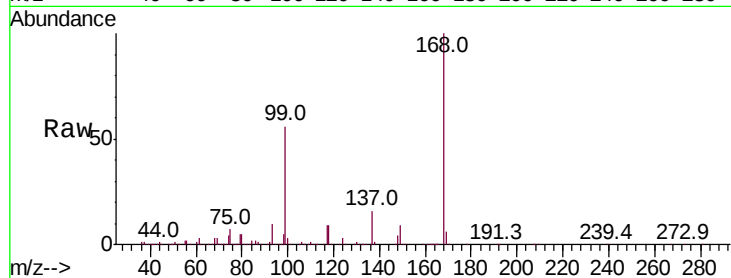
SB-07(7-8)

Tot Ion:168 Resp: 542958

Ion Ratio Lower Upper

168 100

99 55.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

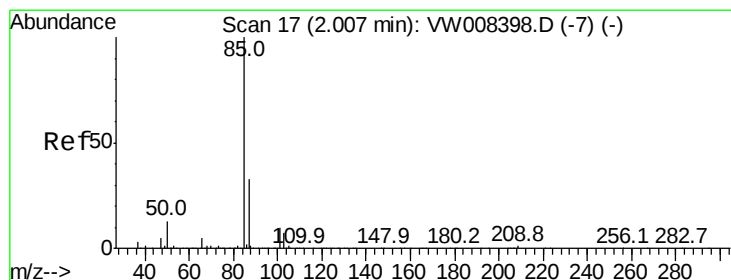
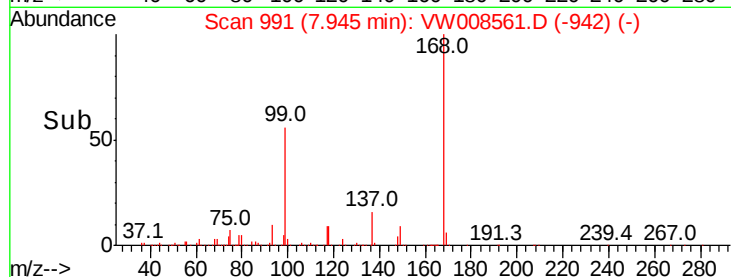
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.280 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008561.D

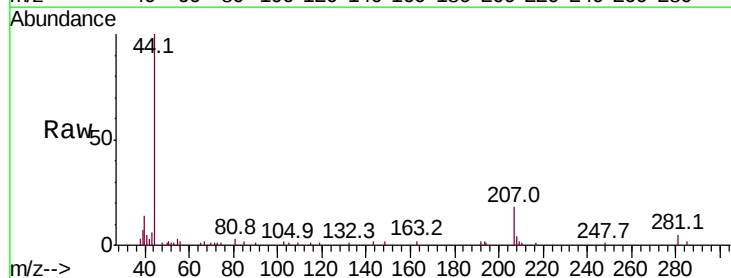
Acq: 07 Feb 2019 19:03

Tgt Ion: 85 Resp: 94

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

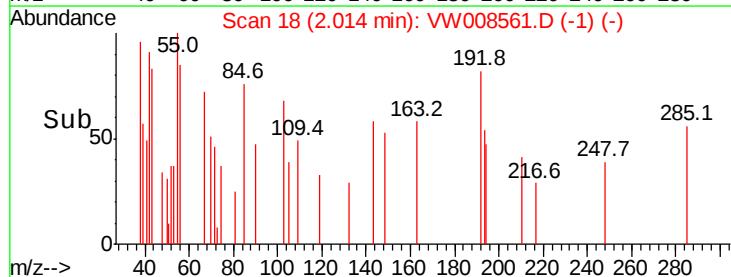
150

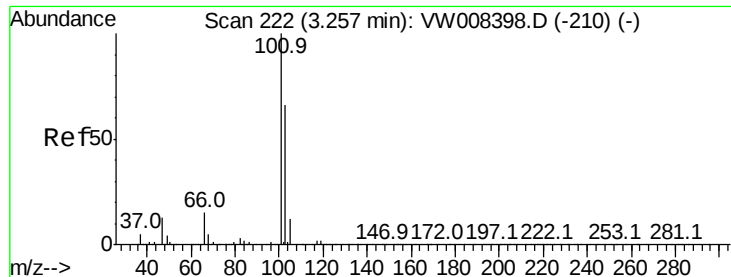
100

50

0

Time--> 2.00 2.02 2.04



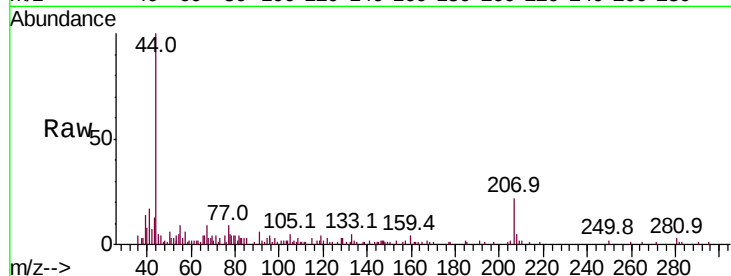


#7

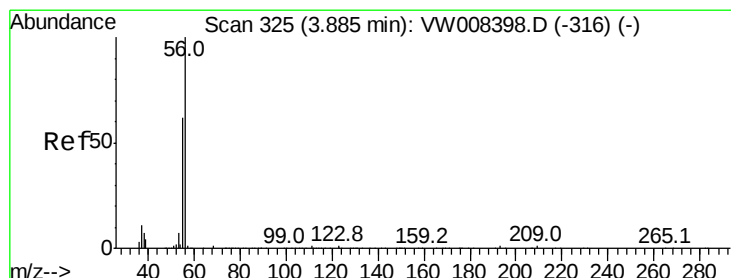
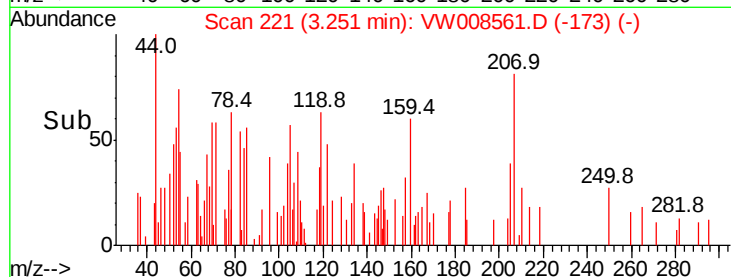
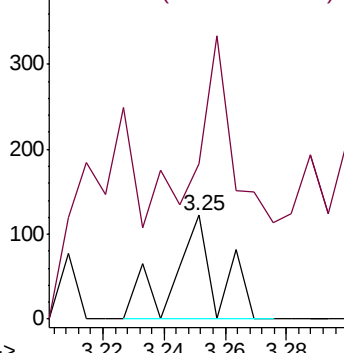
Trichlorofluoromethane
 Concen: 4.747 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008561.D
 Acq: 07 Feb 2019 19:03

Instrument :
 MSVOA_W
 ClientSampled :
 SB-07(7-8)

Tot Ion:101 Resp: 121
 Ion Ratio Lower Upper
 101 100
 103 56.6 52.5 78.7



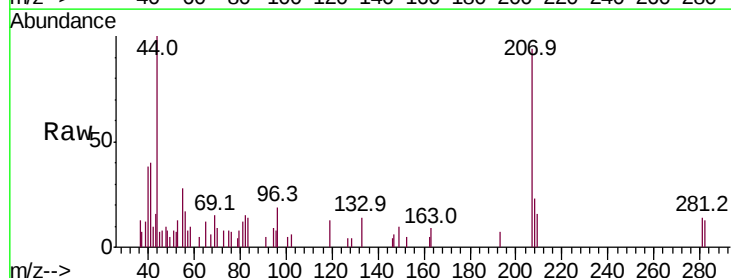
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



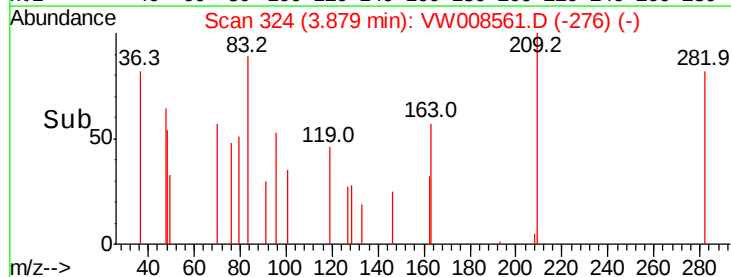
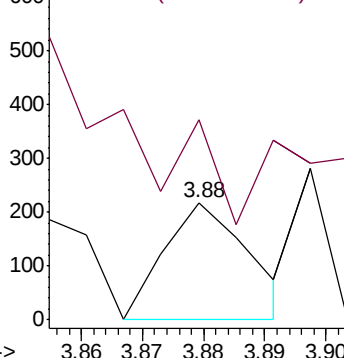
#13

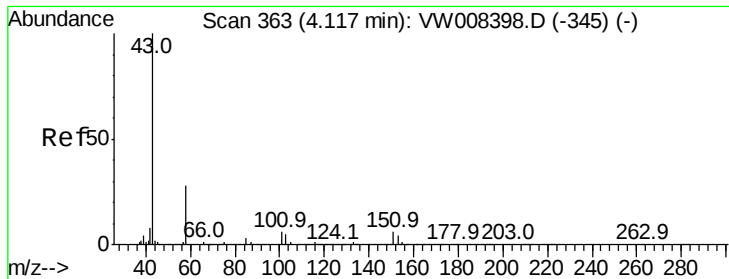
Acrolein
 Concen: 4.725 ug/l
 RT: 3.88 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VW008561.D
 Acq: 07 Feb 2019 19:03

Tgt Ion: 56 Resp: 208
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#



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

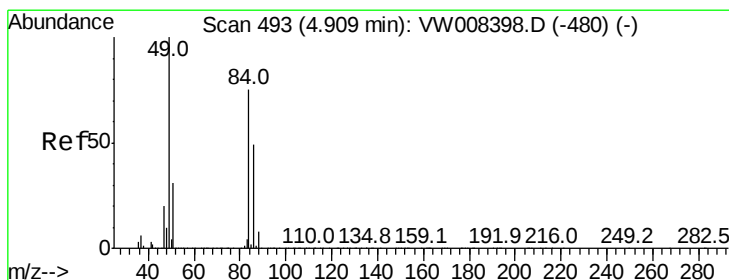
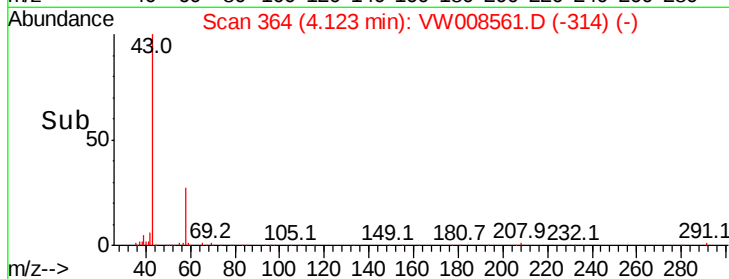
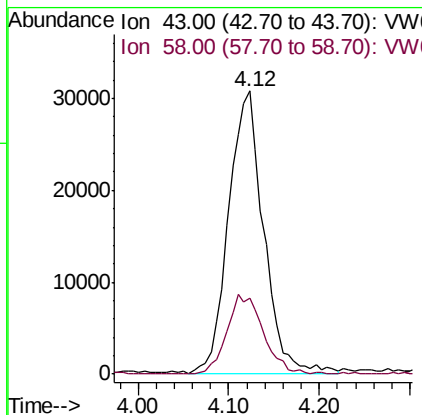
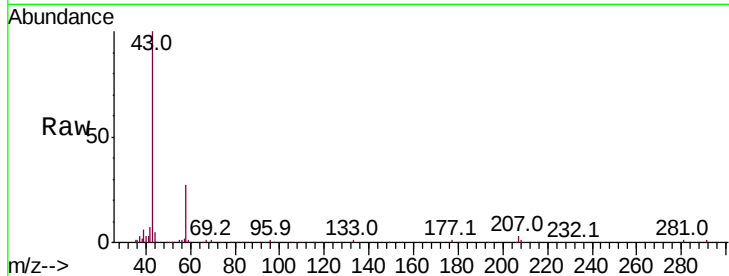




#16
Acetone
Concen: 68.785 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

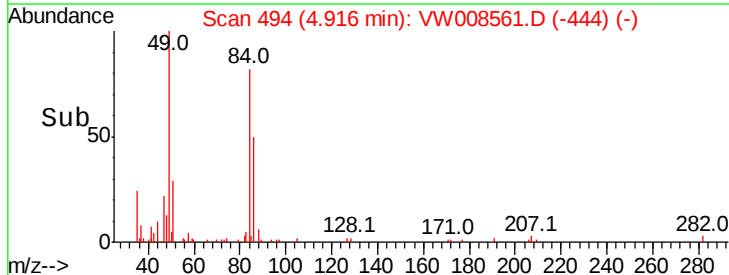
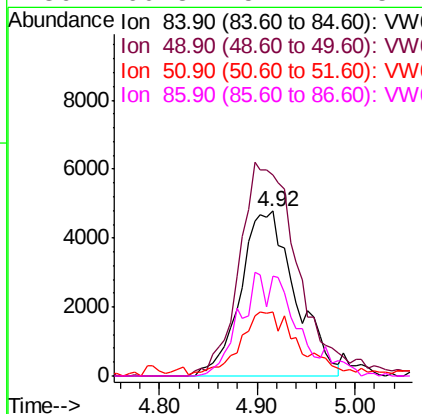
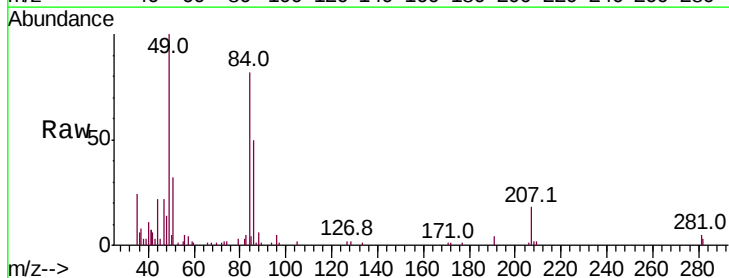
Instrument :
MSVOA_W
ClientSampleId :
SB-07(7-8)

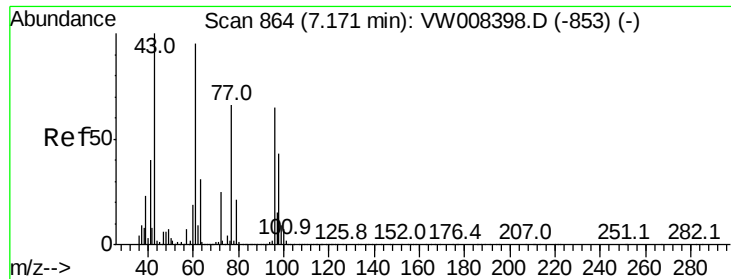
Tot Ion: 43 Resp: 82394
Ion Ratio Lower Upper
43 100
58 26.8 22.6 34.0



#20
Methylene Chloride
Concen: 3.354 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

Tgt Ion: 84 Resp: 18515
Ion Ratio Lower Upper
84 100
49 122.1 106.8 160.2
51 38.0 32.9 49.3
86 60.8 52.2 78.2





#25

2-Butanone

Concen: 9.305 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

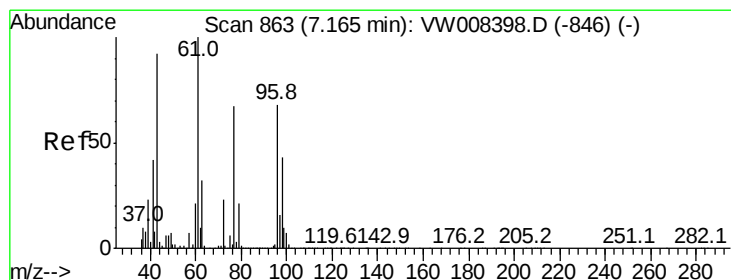
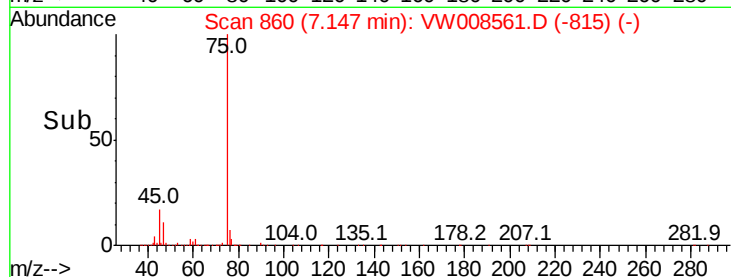
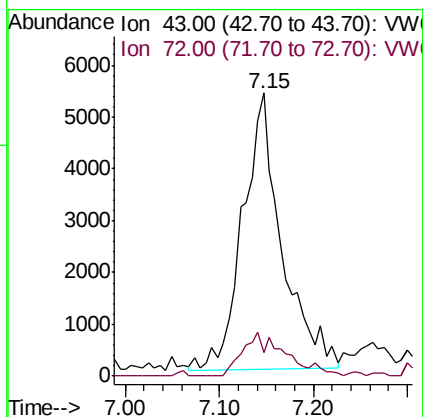
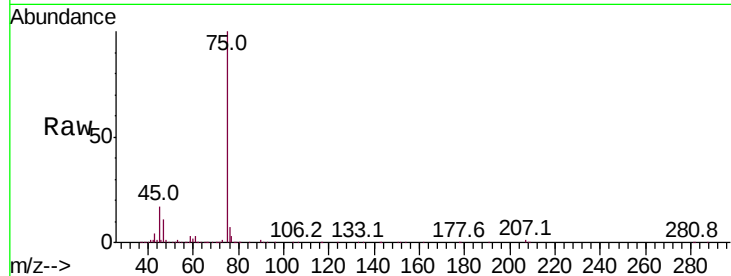
SB-07(7-8)

Tot Ion: 43 Resp: 15481

Ion Ratio Lower Upper

43 100

72 8.4 20.1 30.1#



#26

2,2-Dichloropropane

Concen: 2.395 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW008561.D

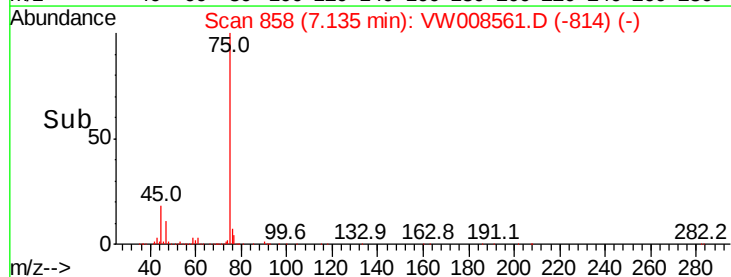
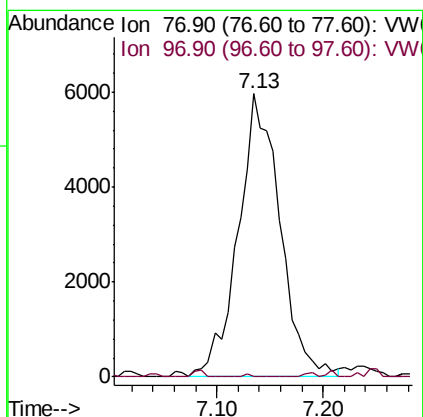
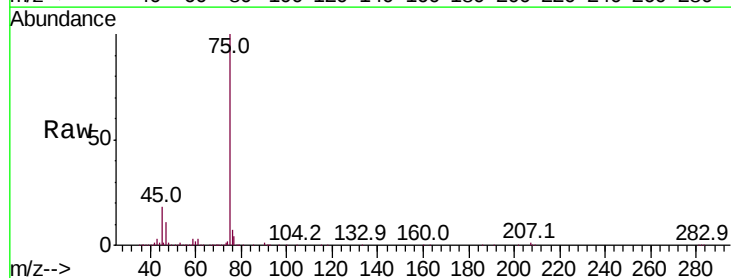
Acq: 07 Feb 2019 19:03

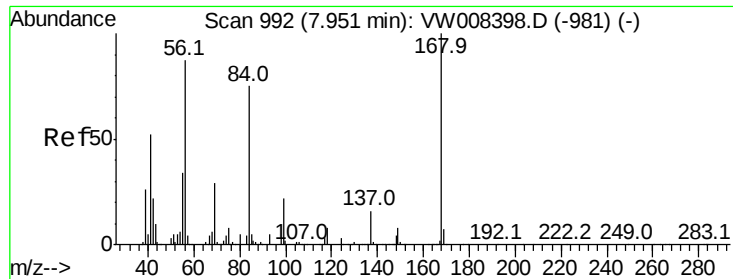
Tgt Ion: 77 Resp: 16392

Ion Ratio Lower Upper

77 100

97 0.2 11.5 34.5#

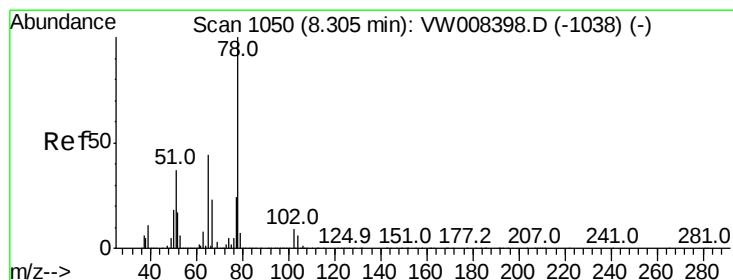
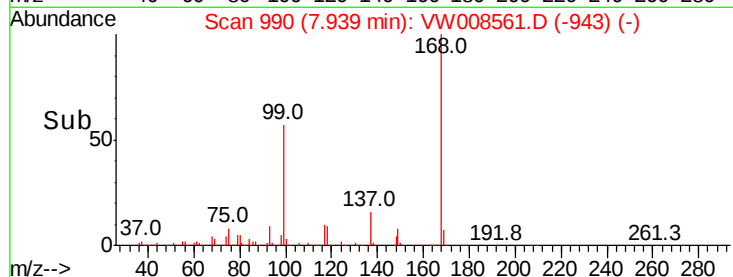
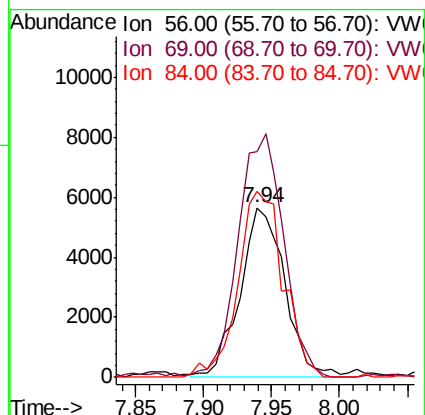
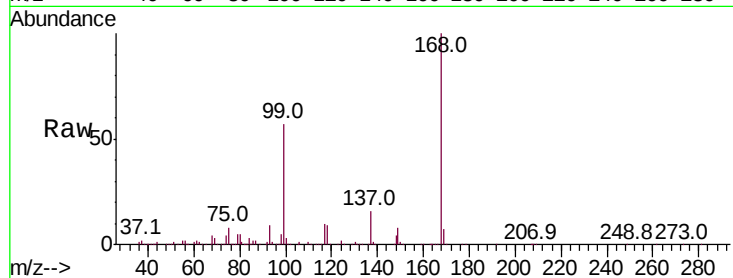




#31
Cvclohexane
Concen: 1.245 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

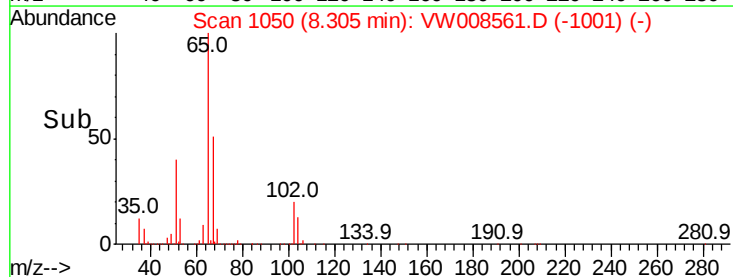
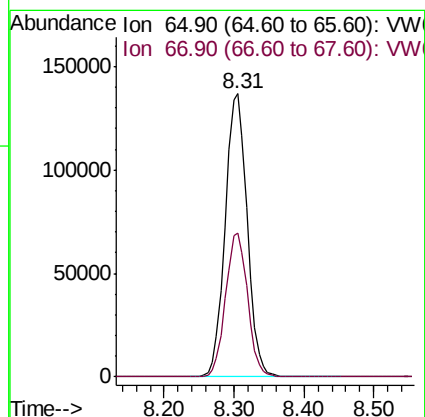
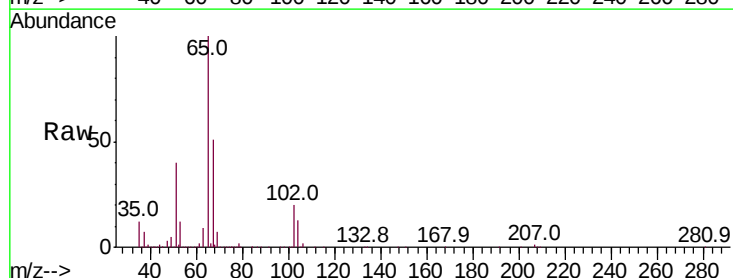
Instrument :
MSVOA_W
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SB-07(7-8)

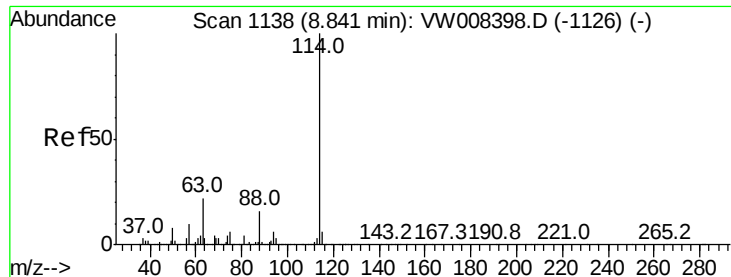
Tot Ion: 56 Resp: 13032
Ion Ratio Lower Upper
56 100
69 135.1 26.4 39.6#
84 111.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 55.977 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

Tgt Ion: 65 Resp: 298585
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-07(7-8)

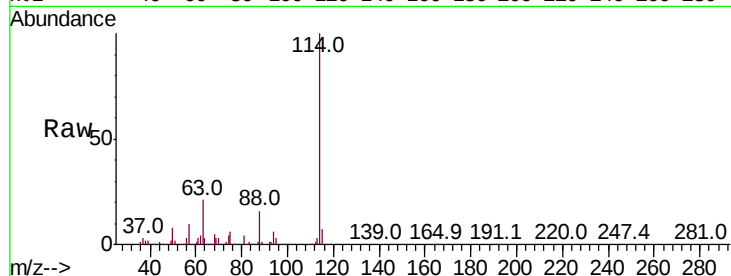
Tot Ion:114 Resp: 879151

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.6

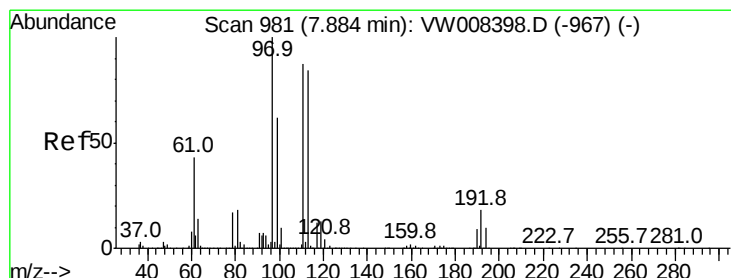
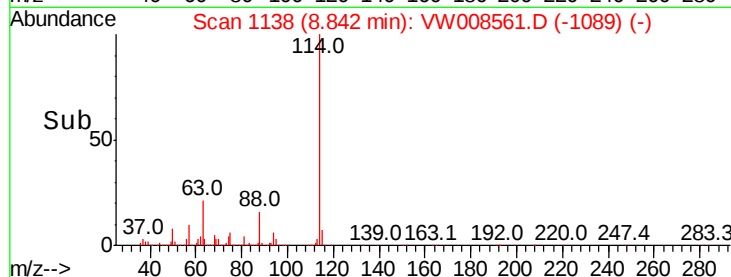
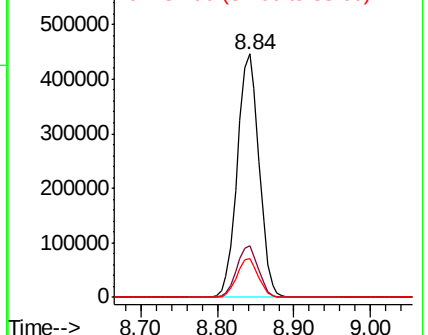
88 16.1 0.0 31.8



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: 53.197 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

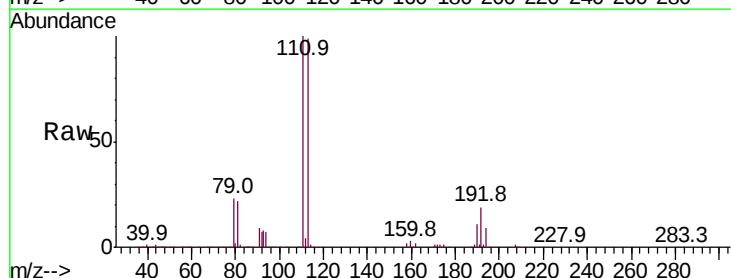
Tgt Ion:113 Resp: 273471

Ion Ratio Lower Upper

113 100

111 100.8 81.0 121.4

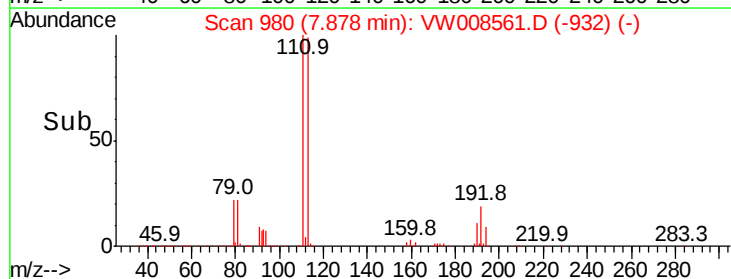
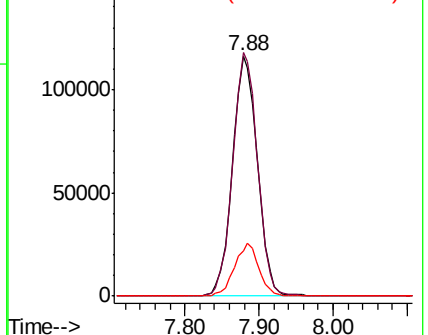
192 21.3 16.8 25.2

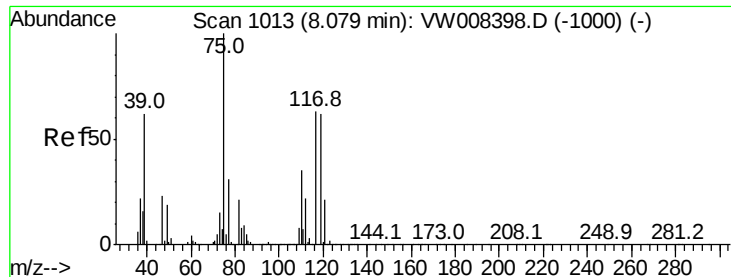


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-07(7-8)

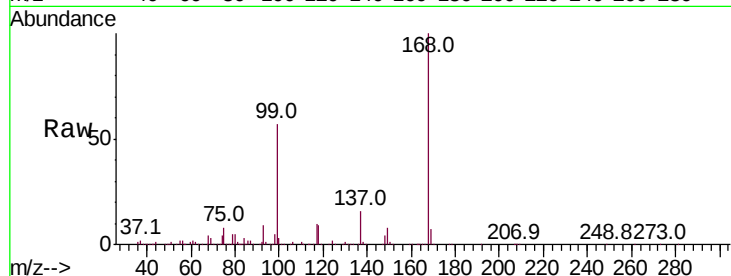
Tot Ion: 75 Resp: 40016

Ion Ratio Lower Upper

75 100

110 10.9 17.3 52.0#

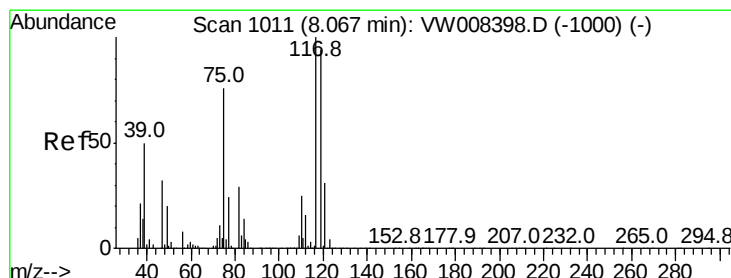
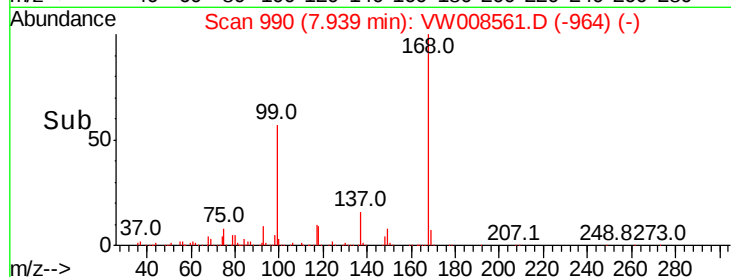
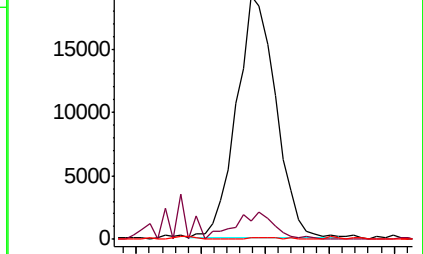
77 0.5 24.7 37.1#



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: 6.310 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

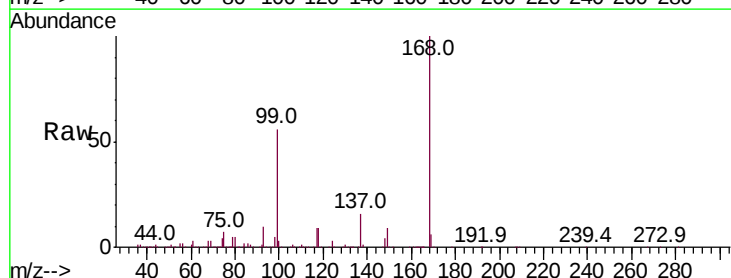
Tgt Ion: 117 Resp: 52730

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.4#

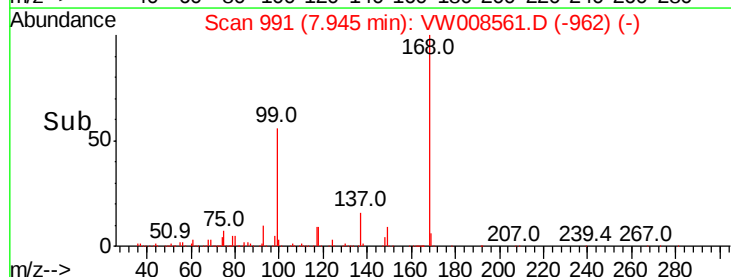
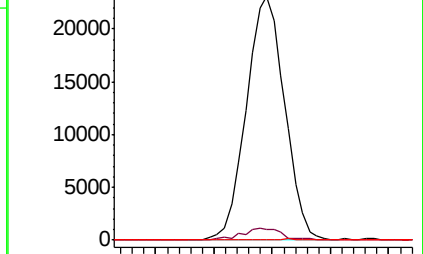
121 0.0 24.9 37.3#

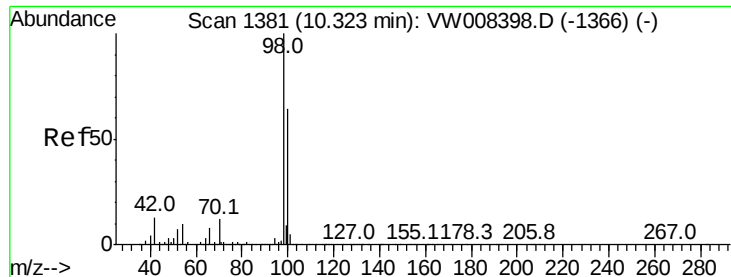


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.447 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

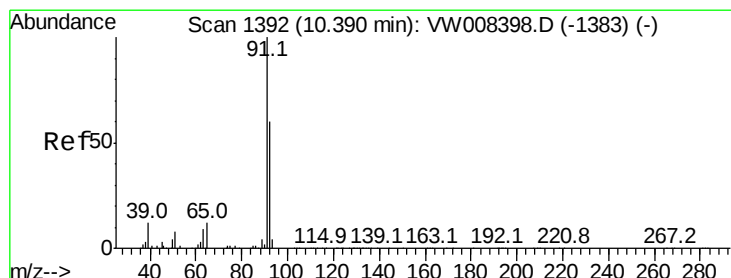
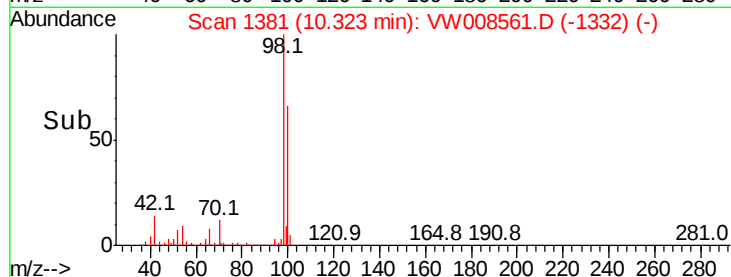
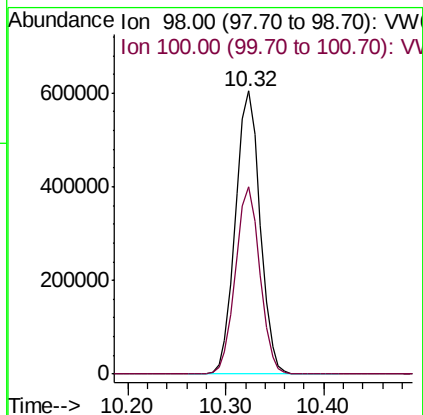
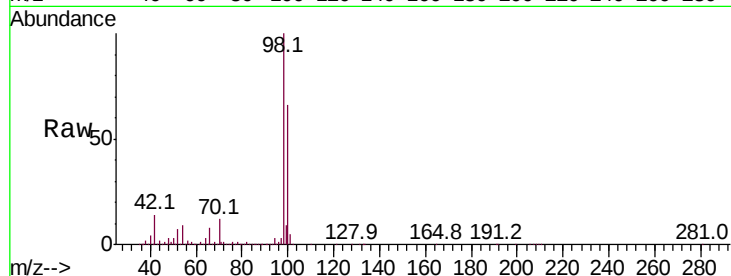
SB-07(7-8)

Tot Ion: 98 Resp: 1060541

Ion Ratio Lower Upper

98 100

100 65.6 52.6 78.8



#52

Toluene

Concen: 1.117 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008561.D

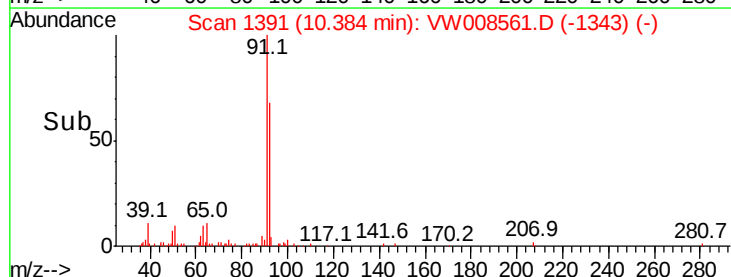
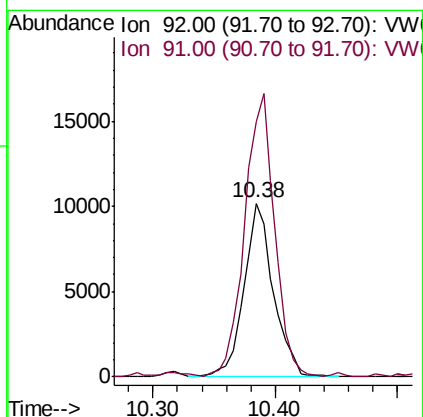
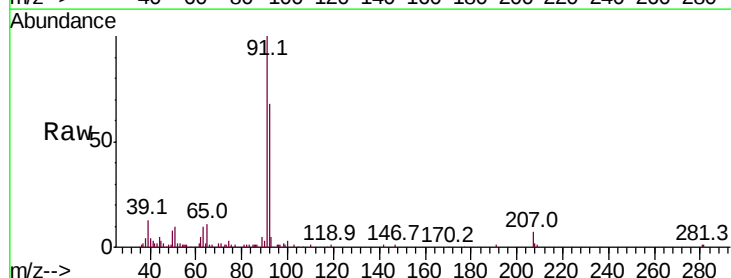
Acq: 07 Feb 2019 19:03

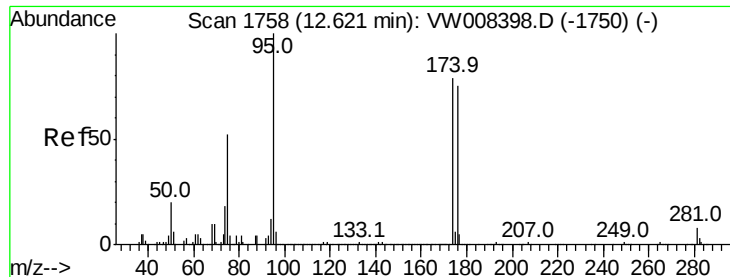
Tgt Ion: 92 Resp: 16990

Ion Ratio Lower Upper

92 100

91 166.5 135.5 203.3

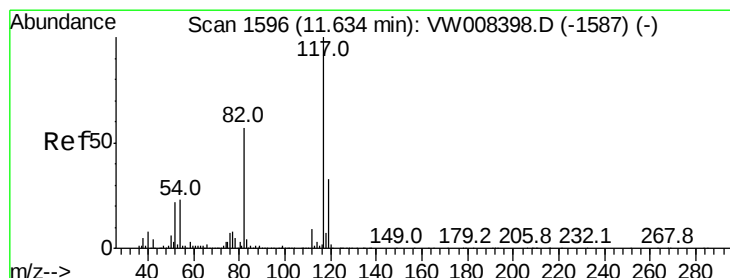
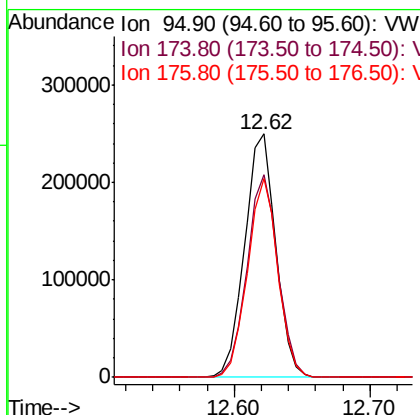
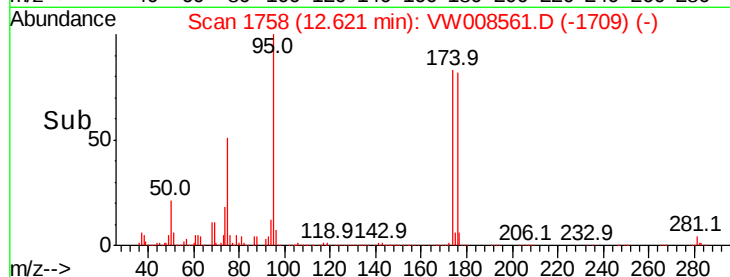
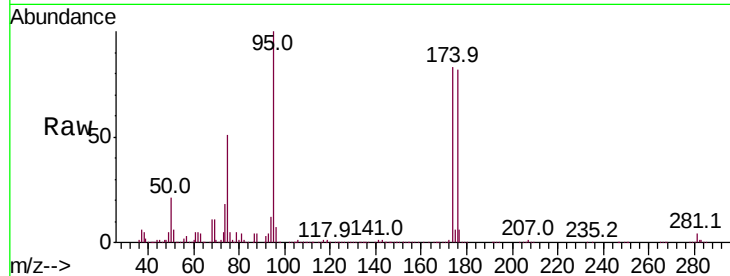




#62
4-Bromofluorobenzene
Concen: 50.446 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

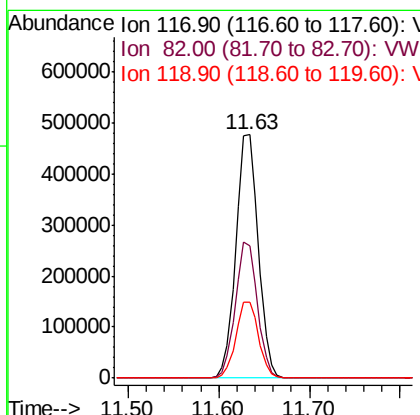
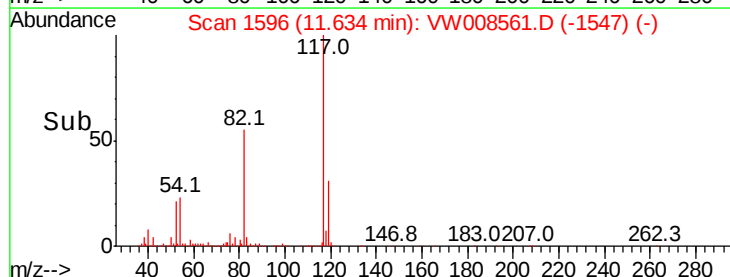
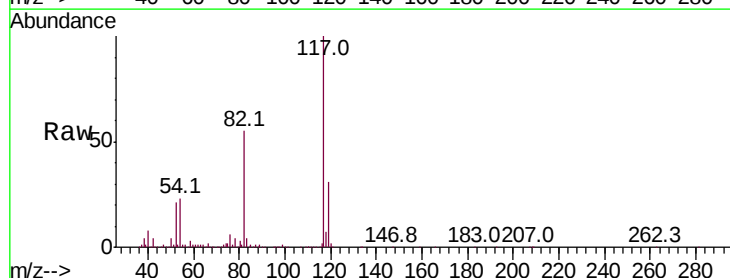
Instrument :
MSVOA_W
ClientSampleId :
SB-07(7-8)

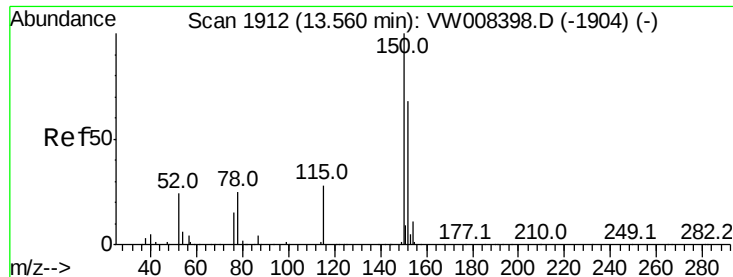
Tot Ion: 95 Resp: 399729
Ion Ratio Lower Upper
95 100
174 83.3 0.0 157.6
176 79.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008561.D
Acq: 07 Feb 2019 19:03

Tgt Ion: 117 Resp: 816088
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 31.2 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-07(7-8)

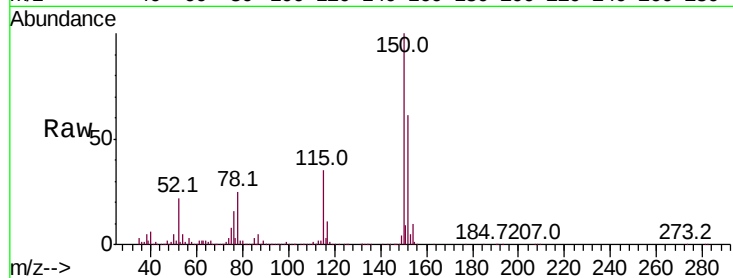
Tot Ion:152 Resp: 406634

Ion Ratio Lower Upper

152 100

115 58.1 29.9 89.7

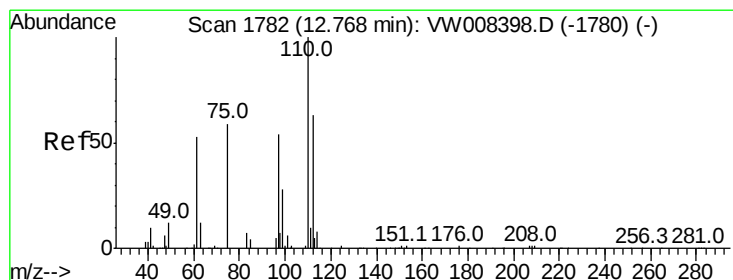
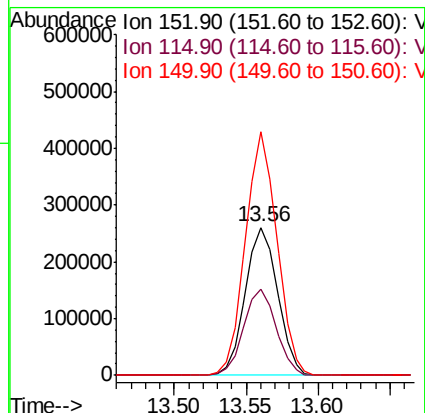
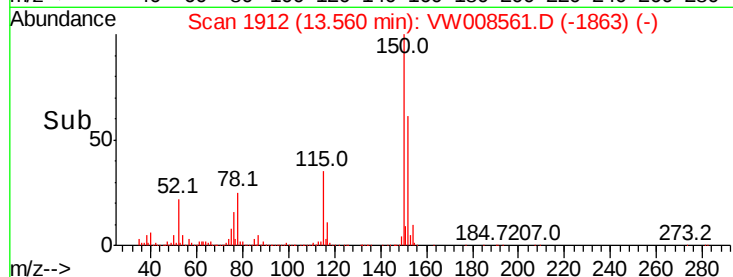
150 159.9 0.0 351.4



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: 59.549 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008561.D

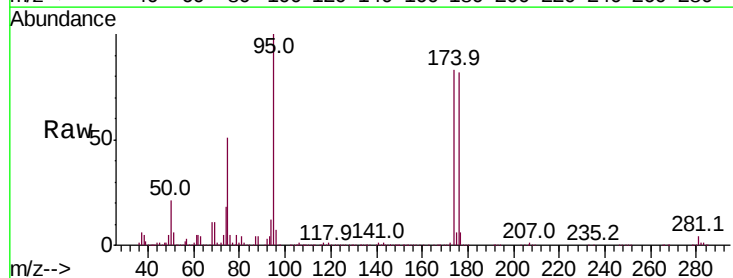
Acq: 07 Feb 2019 19:03

Tgt Ion: 75 Resp: 210531

Ion Ratio Lower Upper

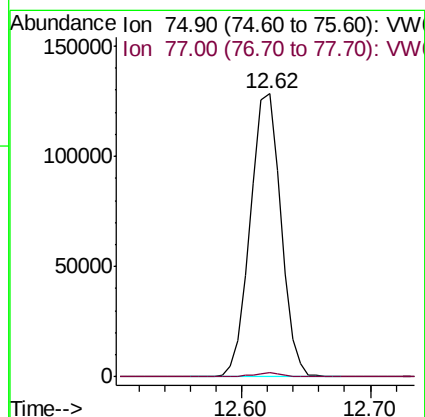
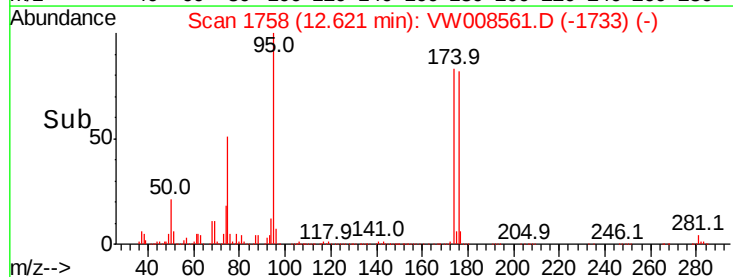
75 100

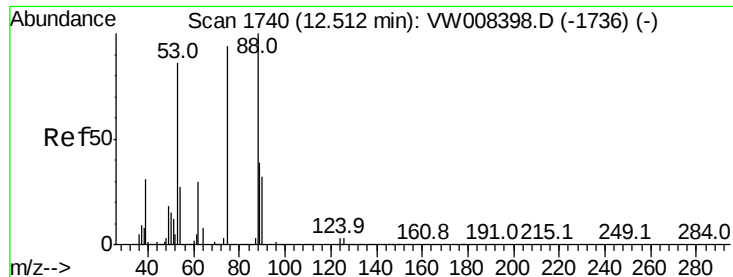
77 1.4 180.7 542.1#



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: 117.615 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008561.D

Acq: 07 Feb 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

SB-07(7-8)

Tot Ion: 75 Resp: 210531

Ion Ratio Lower Upper

75 100

53 0.1 76.0 114.0#

89 0.0 35.4 53.0#

