

Data File : VW008549.D
Acq On : 07 Feb 2019 13:41
Operator : SY/VA
Sample : K1385-05RE
Misc : 11.59G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-5-7

Quant Time: Feb 08 22:33:16 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	524287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	840562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	784885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	397058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	293216	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	
35) Dibromofluoromethane	7.88	113	268582	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
50) Toluene-d8	10.32	98	1009514	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.62	95	382149	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

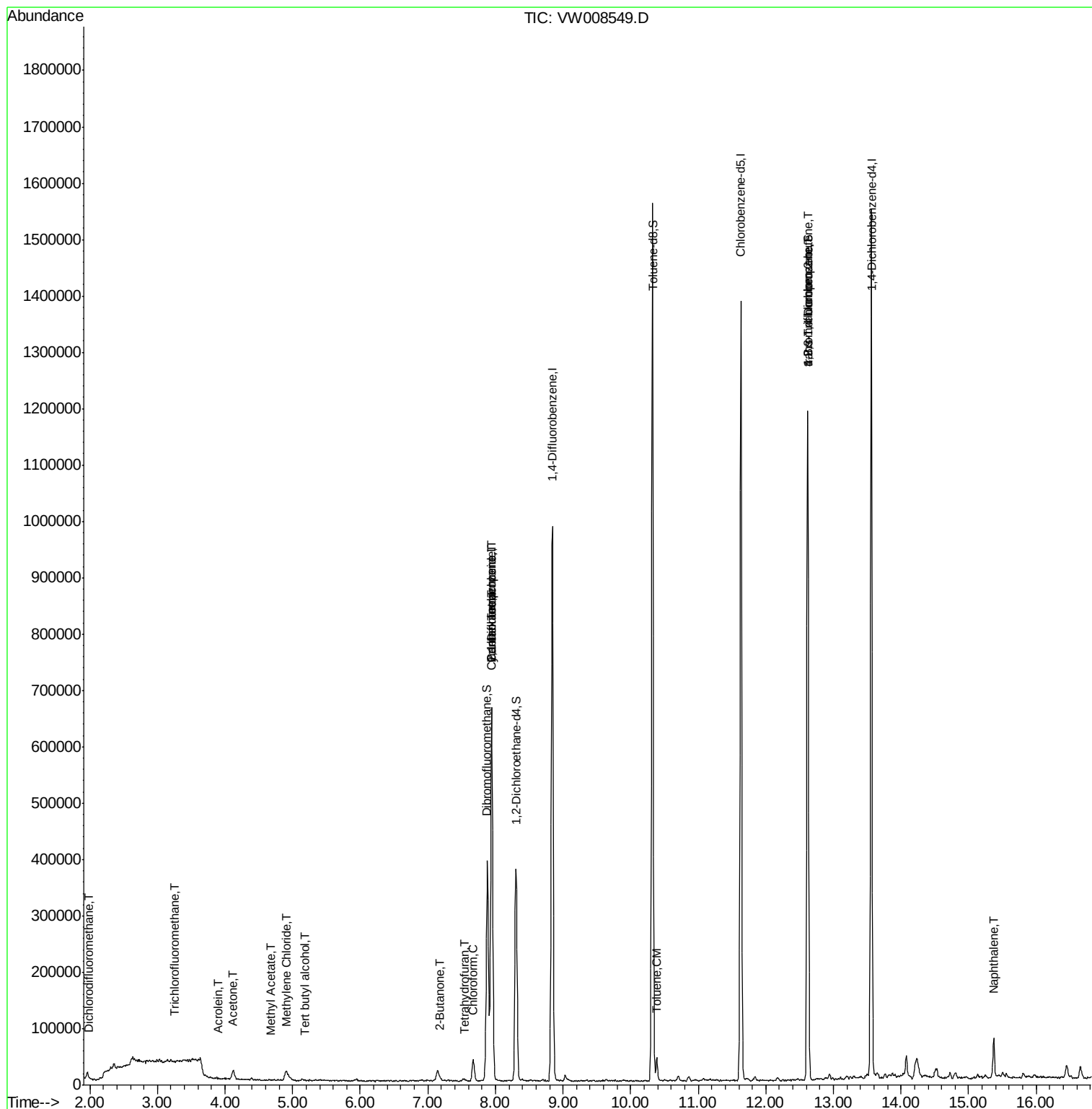
						Qvalue
2) Dichlorodifluoromethane	2.00	85	231	3.324	ug/l #	41
7) Trichlorofluoromethane	3.26	101	89	4.742	ug/l #	67
11) Tert butyl alcohol	5.18	59	1848	4.456	ug/l #	76
13) Acrolein	3.89	56	530	5.610	ug/l #	55
16) Acetone	4.12	43	30125	26.045	ug/l	97
18) Methyl Acetate	4.67	43	3096	1.004	ug/l #	89
20) Methylene Chloride	4.91	84	15138	2.840	ug/l #	78
25) 2-Butanone	7.18	43	4719	2.937	ug/l	93
29) Tetrahydrofuran	7.54	42	1963	1.928	ug/l #	49
30) Chloroform	7.67	83	32008	3.329	ug/l	93
31) Cyclohexane	7.93	56	11888	1.176	ug/l #	35
36) 1,1-Dichloropropene	7.94	75	38820	4.889	ug/l #	42
38) Carbon Tetrachloride	7.94	117	49292	6.169	ug/l #	18
52) Toluene	10.38	92	17820	1.225	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	194299	56.284	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	194299	111.165	ug/l #	12
95) Naphthalene	15.37	128	58113	4.015	ug/l	98

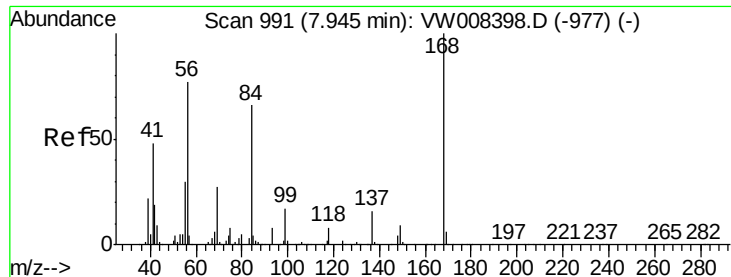
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

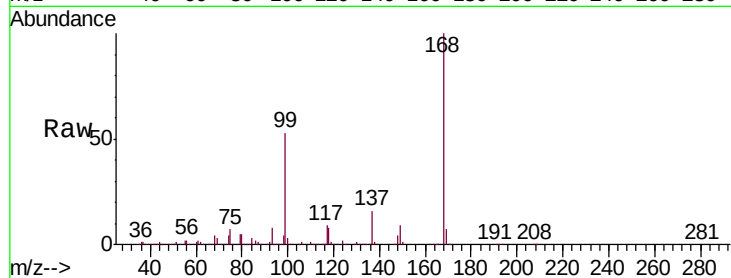
98-SB-01-5-7

Tgt Ion:168 Resp: 524287

Ion Ratio Lower Upper

168 100

99 53.1 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

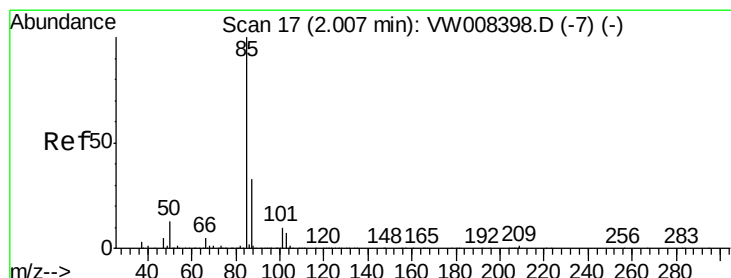
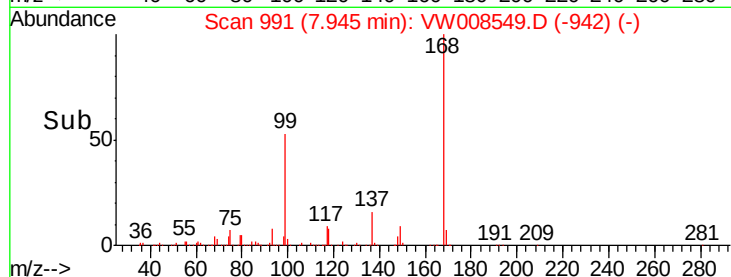
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.324 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW008549.D

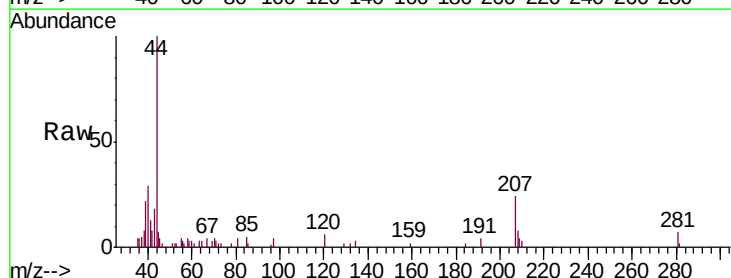
Acq: 07 Feb 2019 13:41

Tgt Ion: 85 Resp: 231

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

2.00

300

250

200

150

100

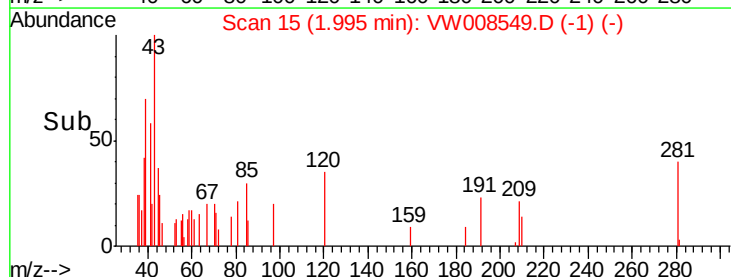
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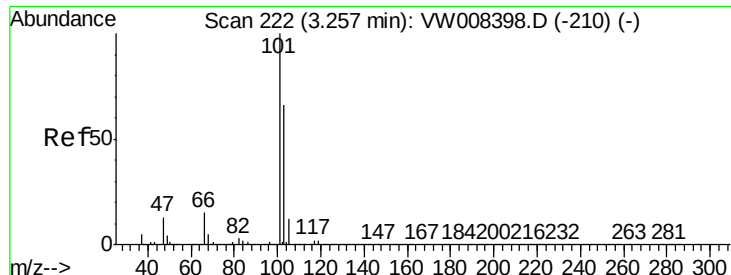
0

2.00

2.05

Time-->



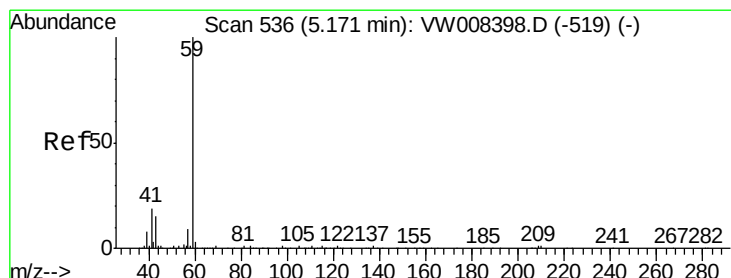
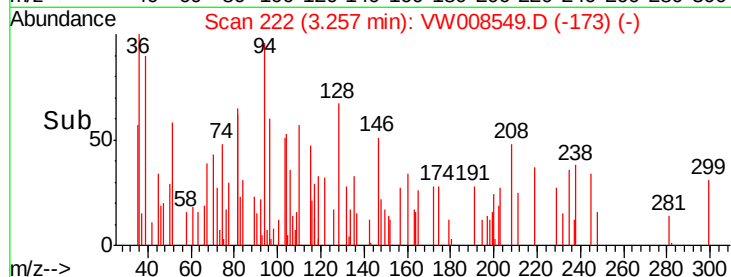
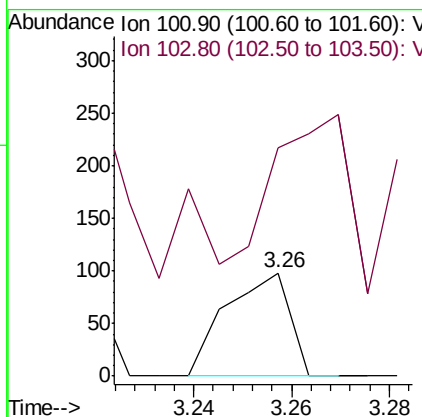
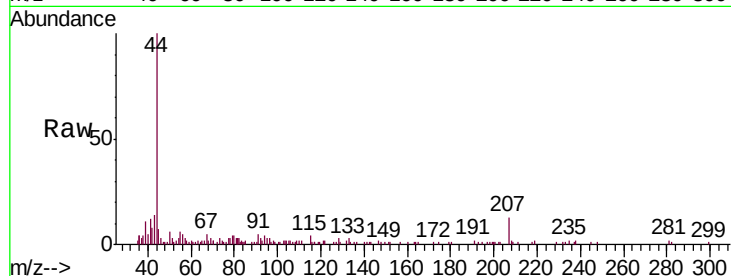


#7

Trichlorofluoromethane
Concen: 4.742 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-5-7

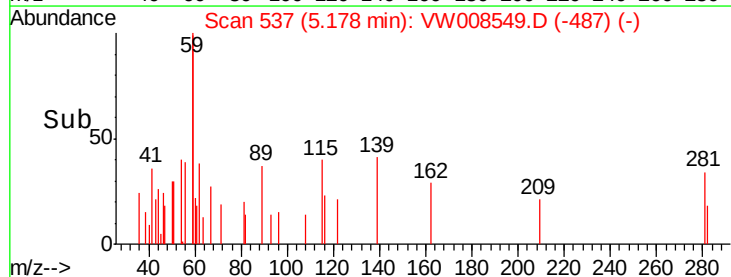
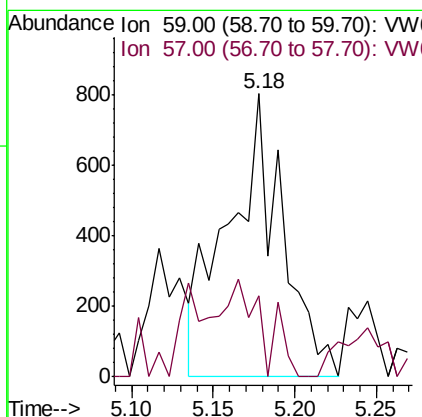
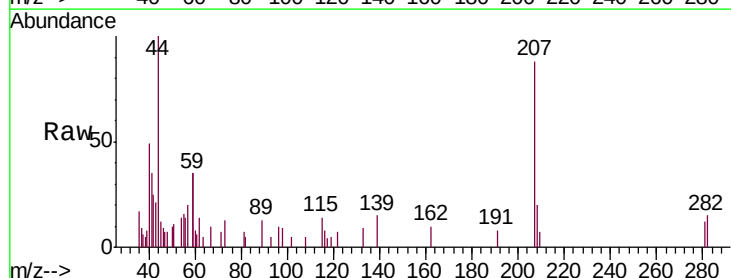
Tgt Ion: 101 Resp: 89
Ion Ratio Lower Upper
101 100
103 39.8 52.5 78.7#

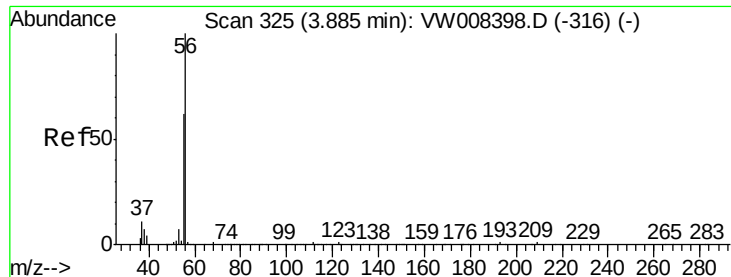


#11

Tert butyl alcohol
Concen: 4.456 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

Tgt Ion: 59 Resp: 1848
Ion Ratio Lower Upper
59 100
57 20.8 9.3 13.9#





#13

Acrolein

Concen: 5.610 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

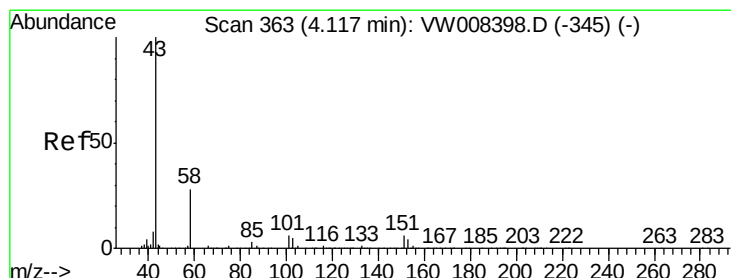
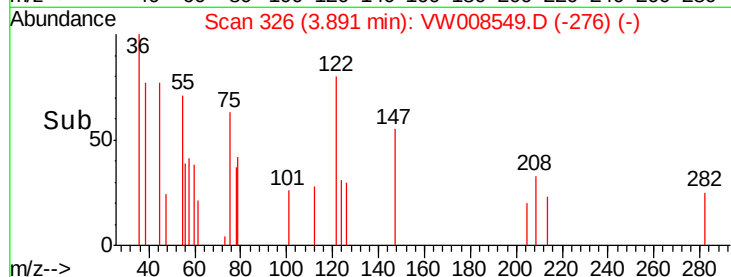
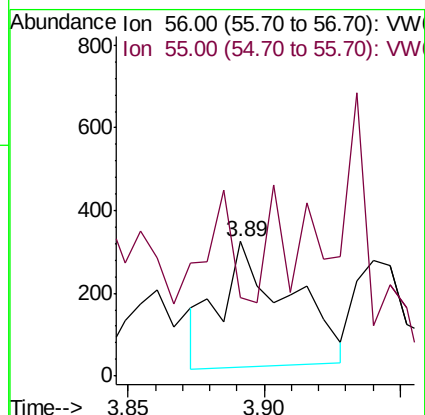
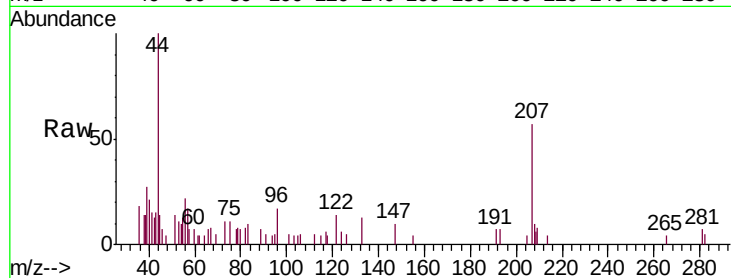
98-SB-01-5-7

Tgt Ion: 56 Resp: 530

Ion Ratio Lower Upper

56 100

55 33.8 56.7 85.1#



#16

Acetone

Concen: 26.045 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008549.D

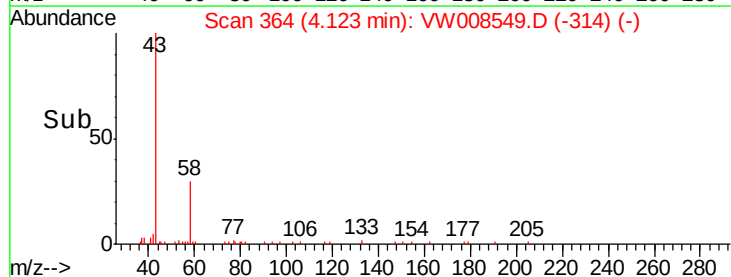
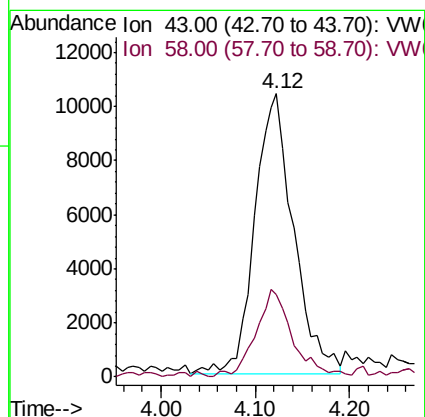
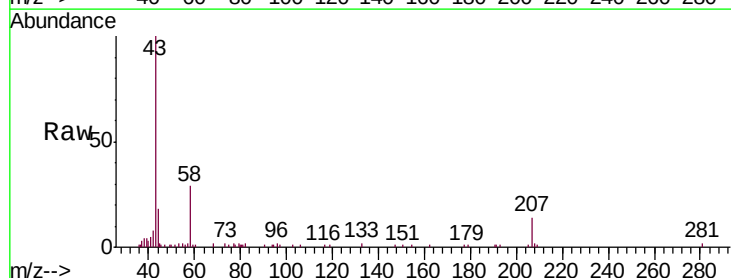
Acq: 07 Feb 2019 13:41

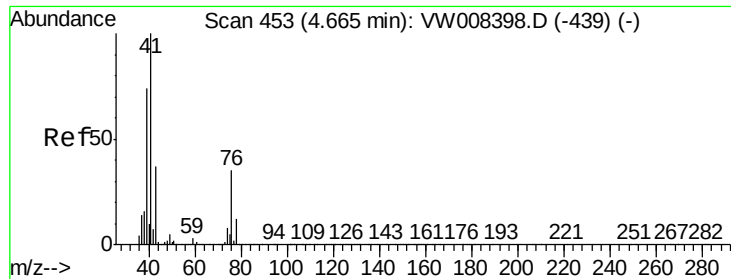
Tgt Ion: 43 Resp: 30125

Ion Ratio Lower Upper

43 100

58 29.6 22.6 34.0

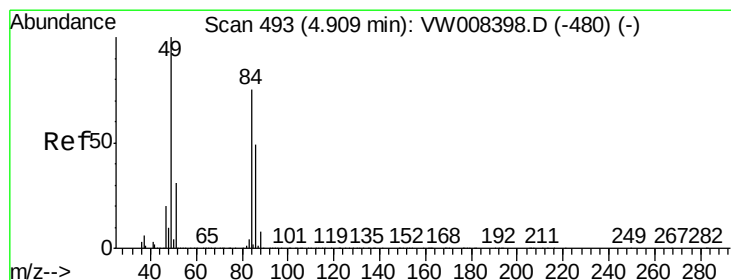
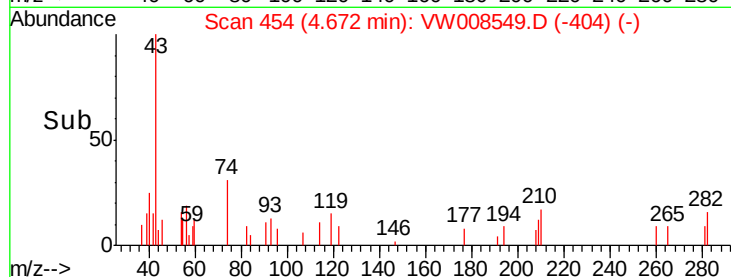
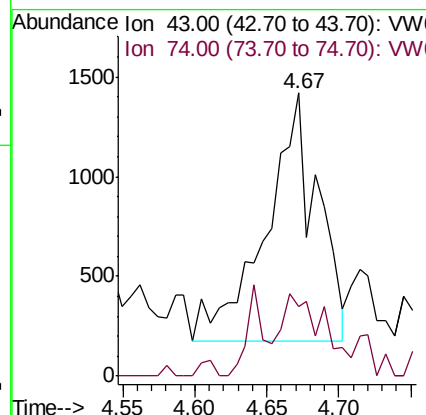
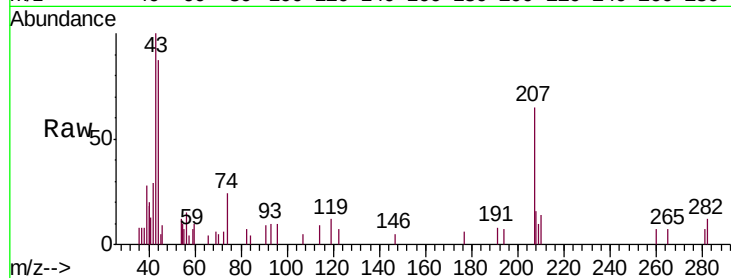




#18
Methyl Acetate
Concen: 1.004 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

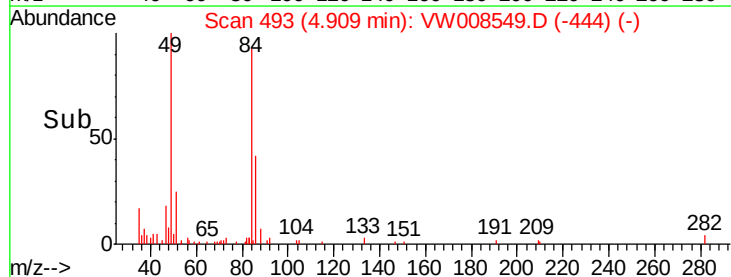
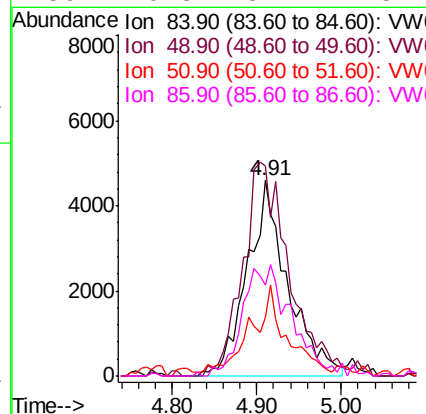
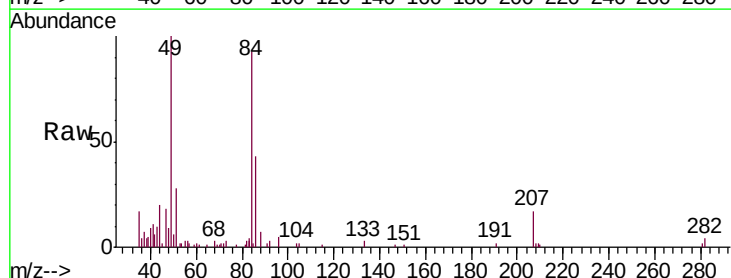
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-5-7

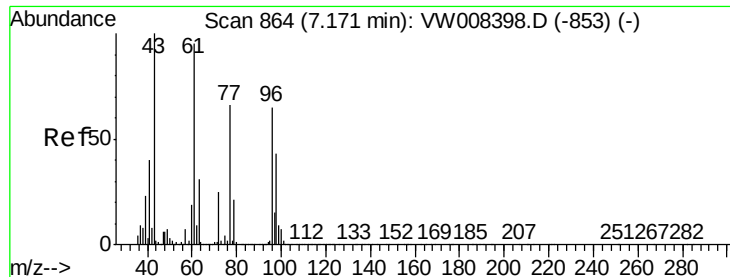
Tgt Ion: 43 Resp: 3096
Ion Ratio Lower Upper
43 100
74 27.1 17.5 26.3#



#20
Methylene Chloride
Concen: 2.840 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

Tgt Ion: 84 Resp: 15138
Ion Ratio Lower Upper
84 100
49 107.1 106.8 160.2
51 28.5 32.9 49.3#
86 46.3 52.2 78.2#





#25

2-Butanone

Concen: 2.937 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

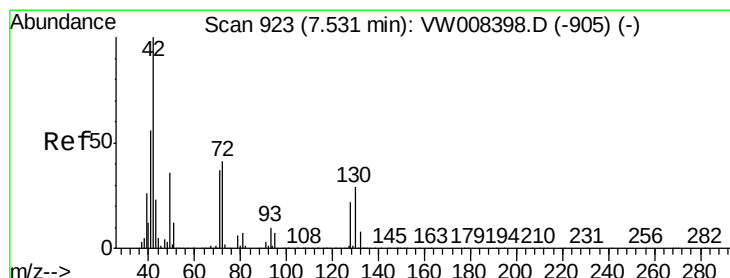
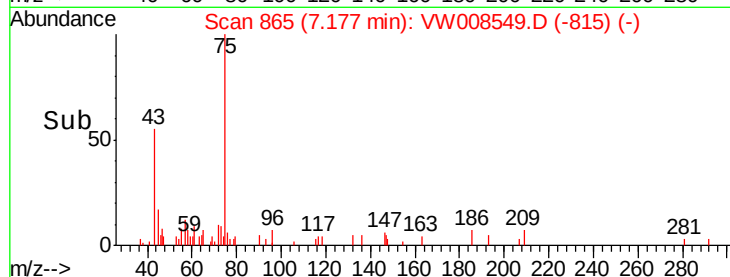
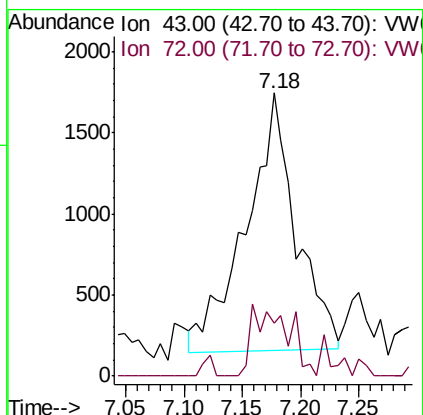
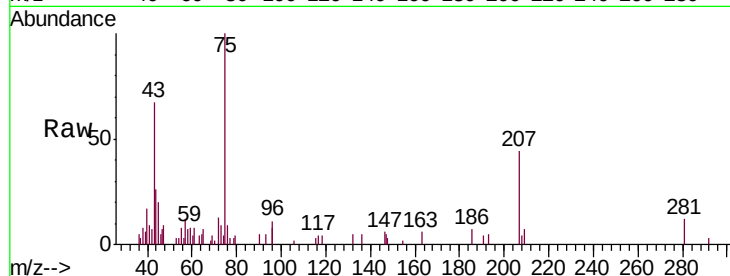
98-SB-01-5-7

Tgt Ion: 43 Resp: 4719

Ion Ratio Lower Upper

43 100

72 21.4 20.1 30.1



#29

Tetrahydrofuran

Concen: 1.928 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

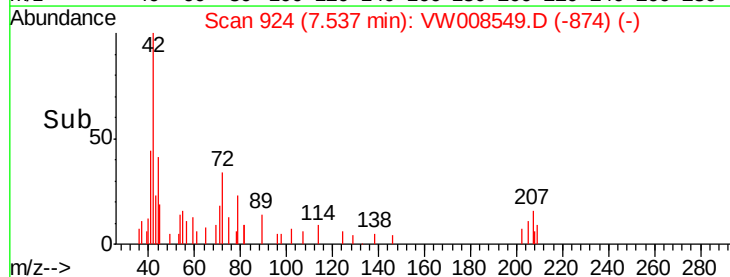
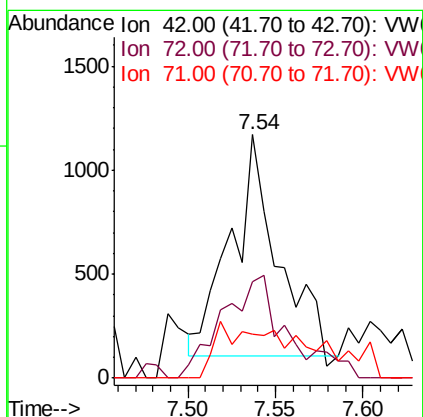
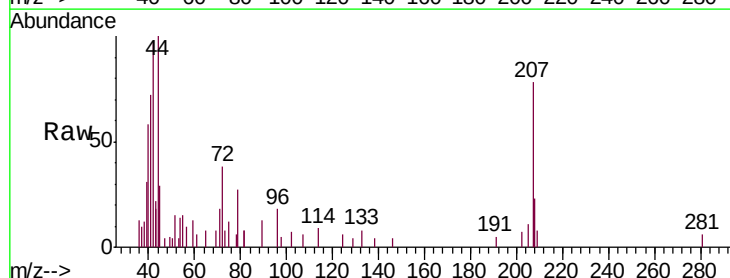
Tgt Ion: 42 Resp: 1963

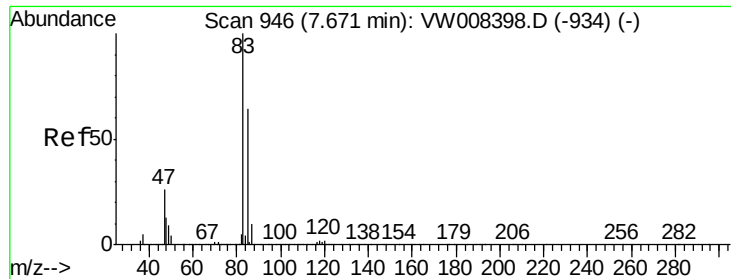
Ion Ratio Lower Upper

42 100

72 64.8 31.9 47.9#

71 0.0 29.9 44.9#

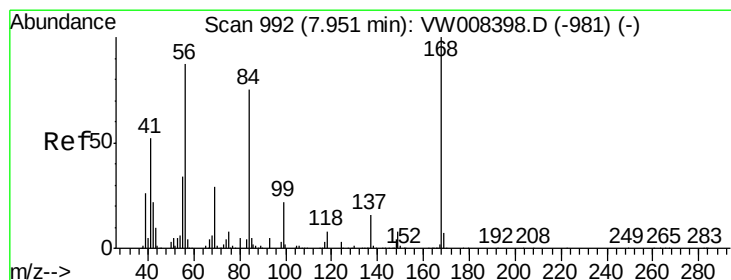
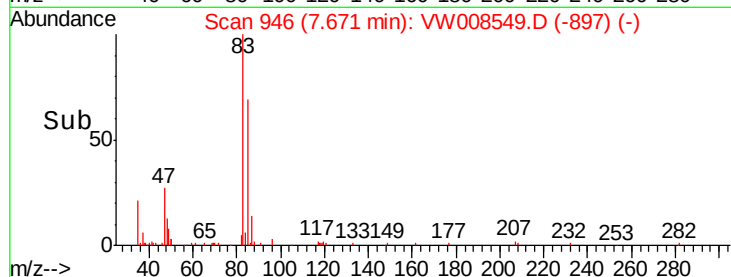
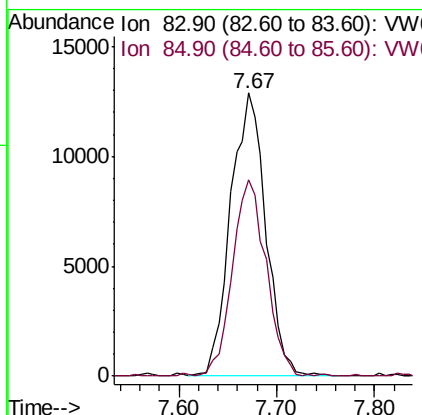
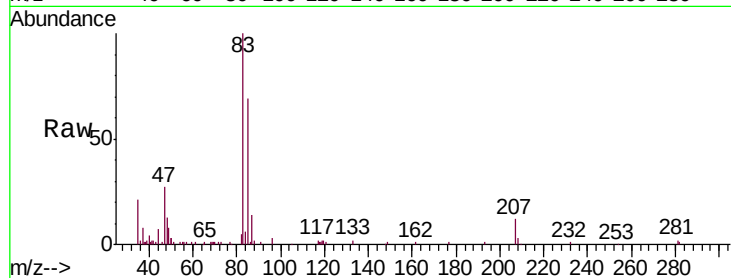




#30
Chloroform
Concen: 3.329 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

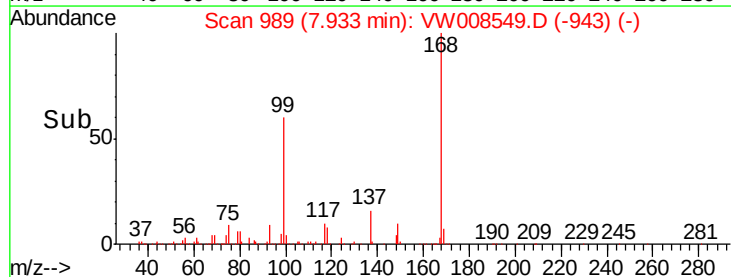
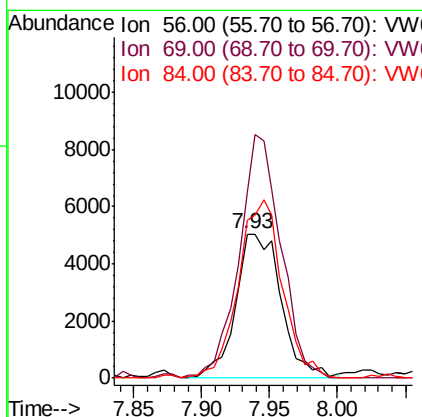
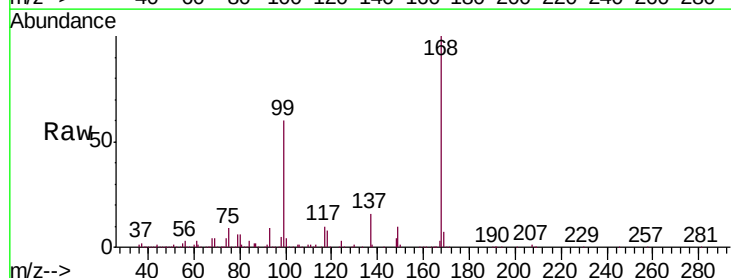
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-5-7

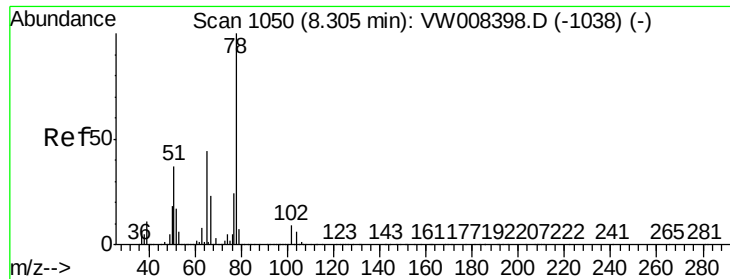
Tgt Ion: 83 Resp: 32008
Ion Ratio Lower Upper
83 100
85 69.3 50.9 76.3



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

Tgt Ion: 56 Resp: 11888
Ion Ratio Lower Upper
56 100
69 128.6 26.4 39.6#
84 109.1 69.1 103.7#

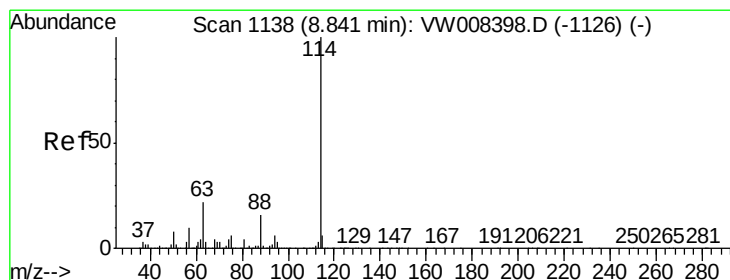
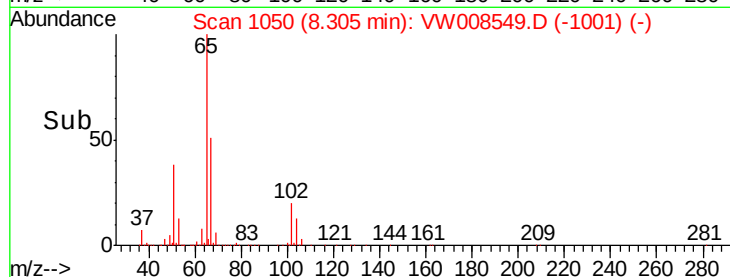
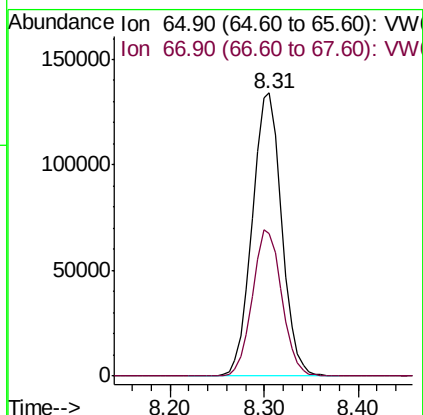
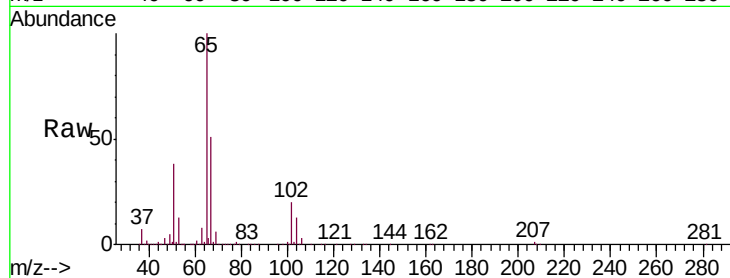




#33
 1,2-Dichloroethane-d4
 Concen: 56.928 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008549.D
 Acq: 07 Feb 2019 13:41

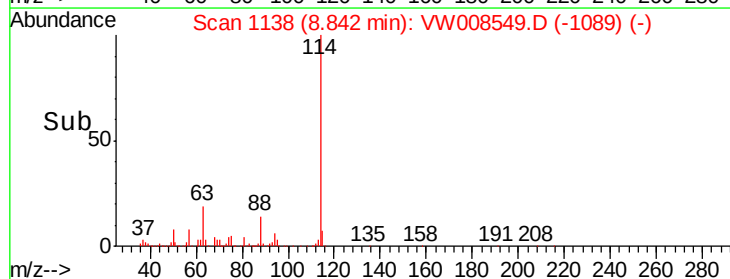
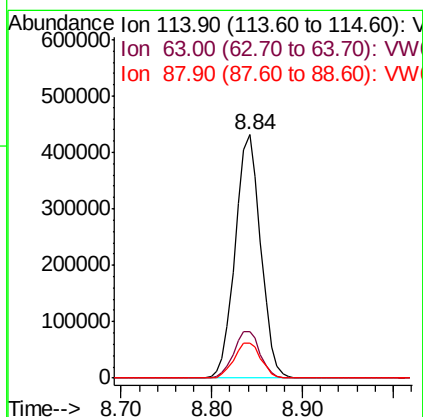
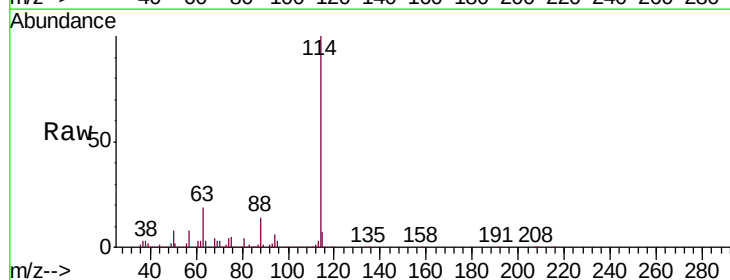
Instrument :
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 98-SB-01-5-7

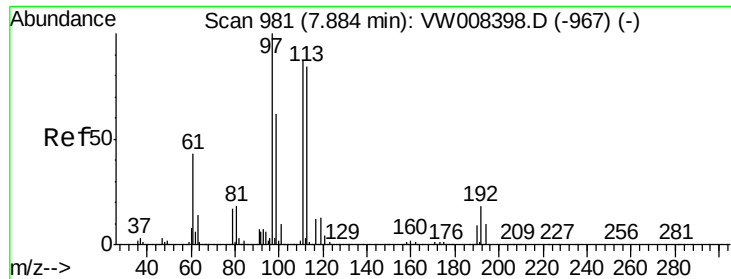
Tgt Ion: 65 Resp: 293216
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008549.D
 Acq: 07 Feb 2019 13:41

Tgt Ion: 114 Resp: 840562
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.6
 88 14.5 0.0 31.8

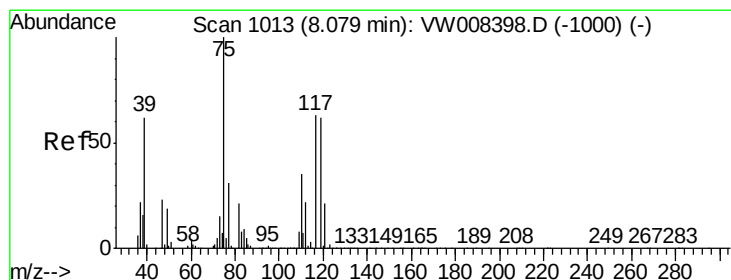
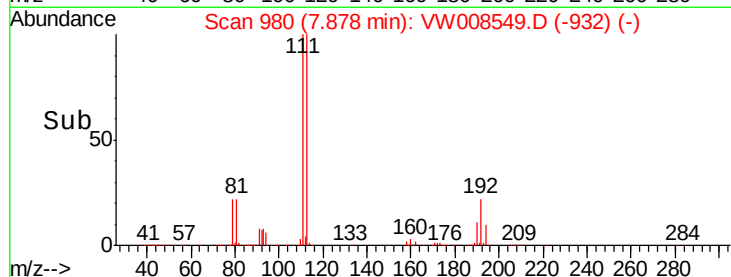
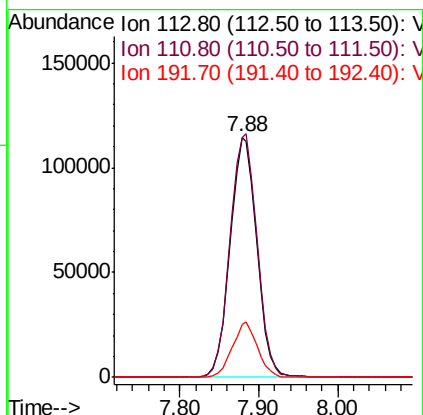
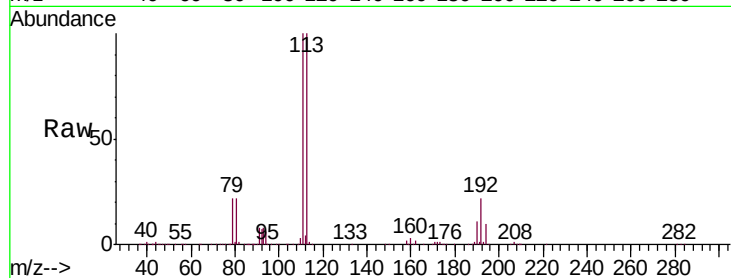




#35
 Dibromofluoromethane
 Concen: 54.645 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008549.D
 Acq: 07 Feb 2019 13:41

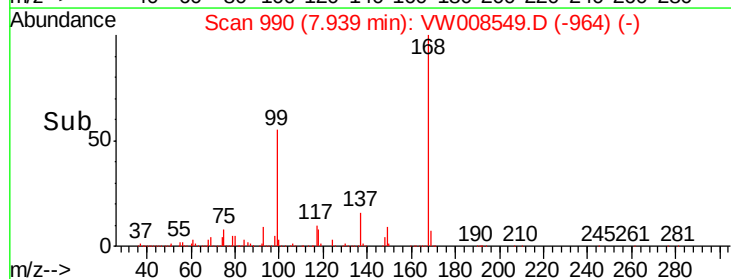
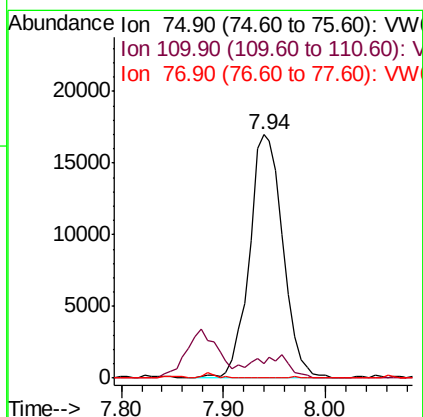
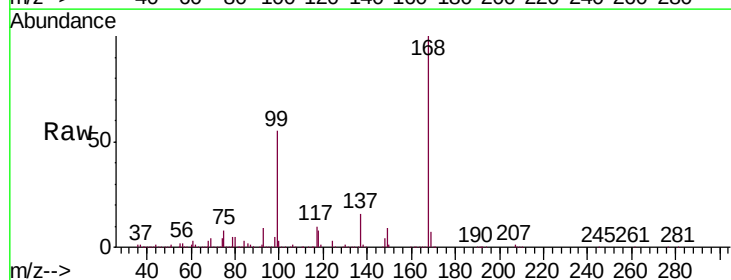
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-5-7

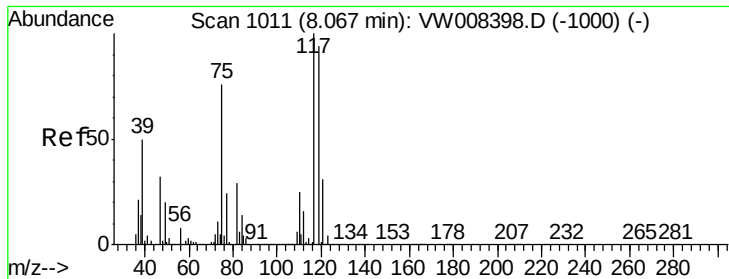
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.4
192	21.8	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008549.D
 Acq: 07 Feb 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.3	52.0#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.169 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-5-7

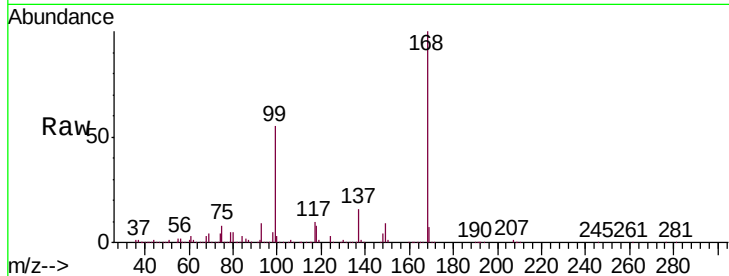
Tgt Ion:117 Resp: 49292

Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.4#

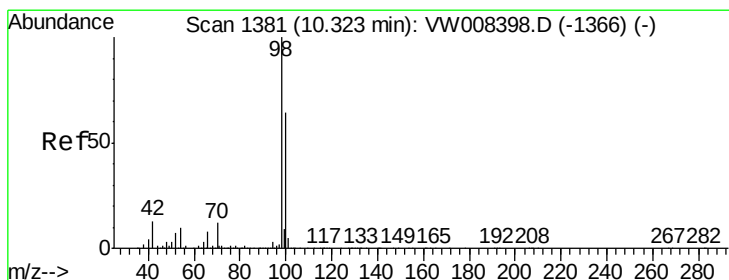
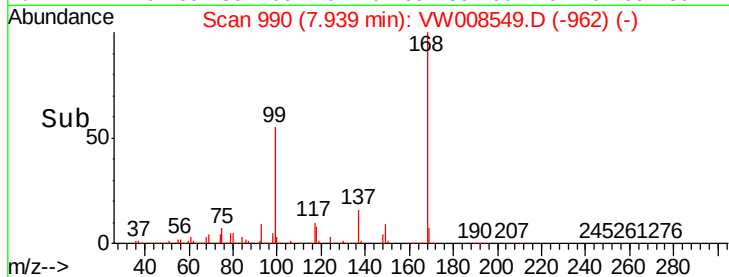
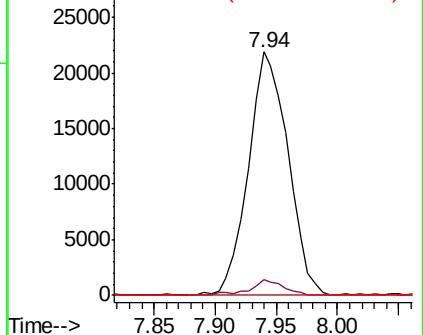
121 0.0 24.9 37.3#



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: 51.220 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008549.D

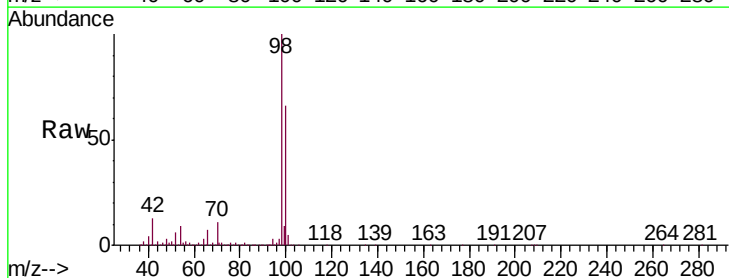
Acq: 07 Feb 2019 13:41

Tgt Ion: 98 Resp: 1009514

Ion Ratio Lower Upper

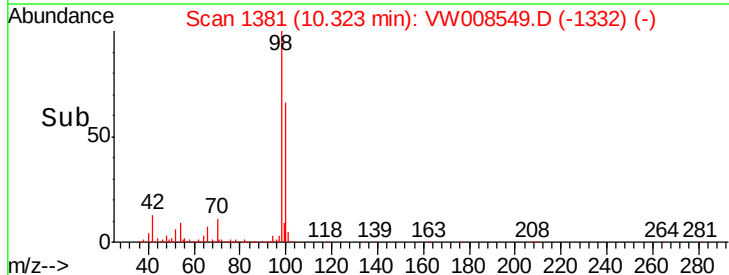
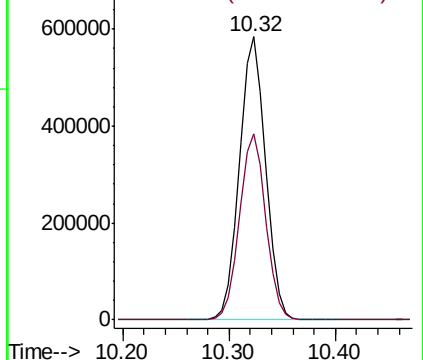
98 100

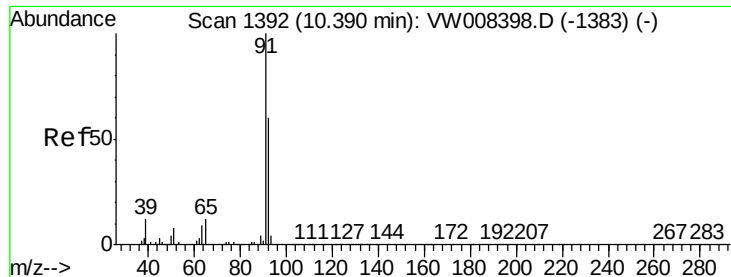
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.225 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

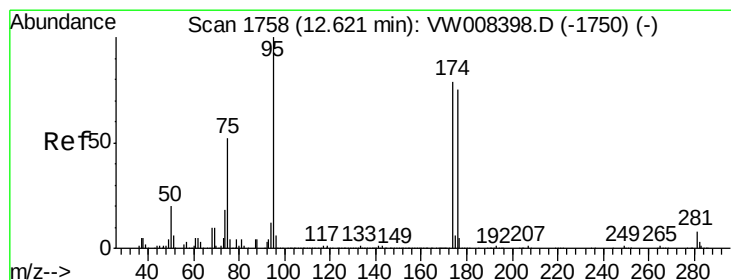
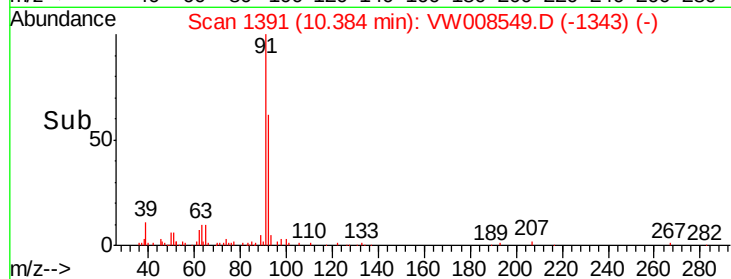
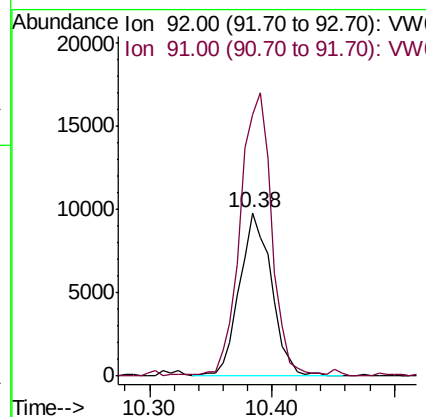
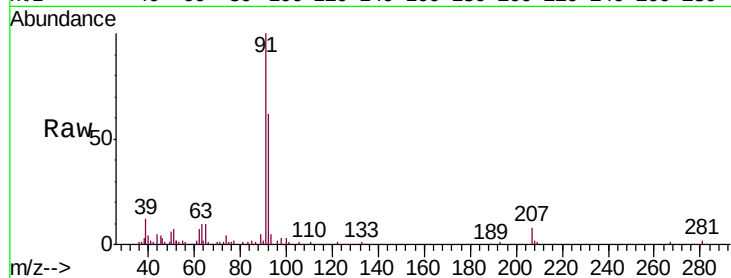
98-SB-01-5-7

Tgt Ion: 92 Resp: 17820

Ion Ratio Lower Upper

92 100

91 166.7 135.5 203.3



#62

4-Bromofluorobenzene

Concen: 50.442 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

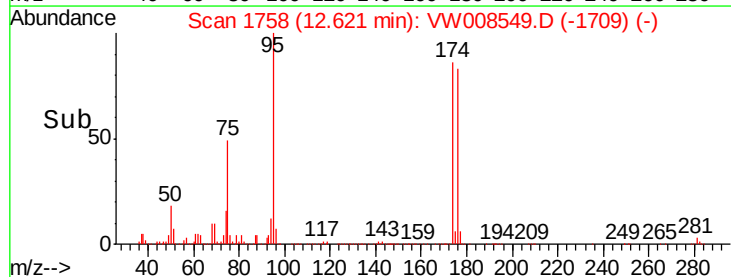
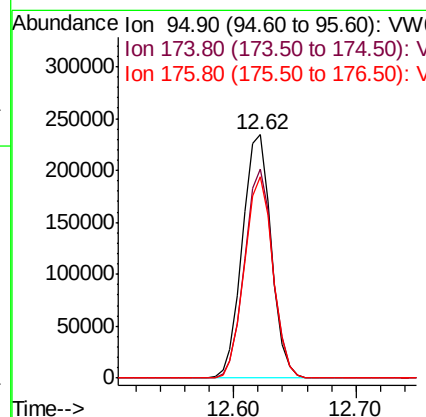
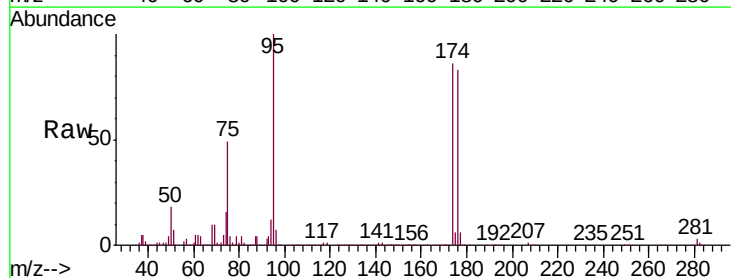
Tgt Ion: 95 Resp: 382149

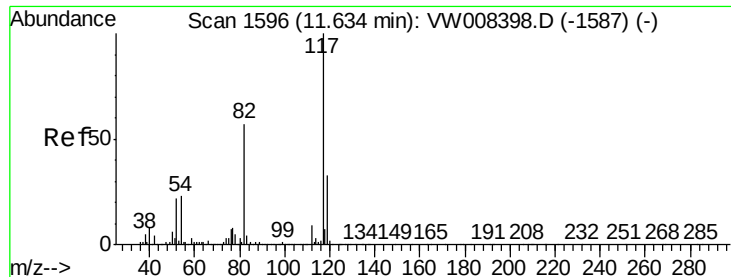
Ion Ratio Lower Upper

95 100

174 84.3 0.0 157.6

176 81.9 0.0 151.8

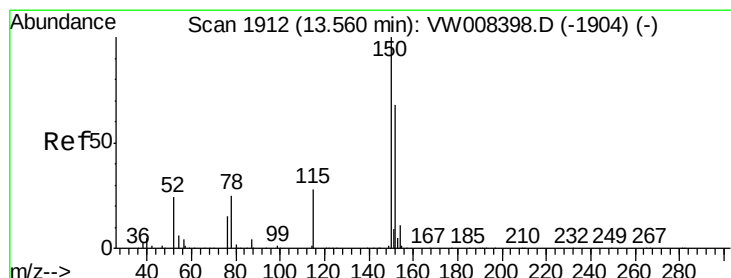
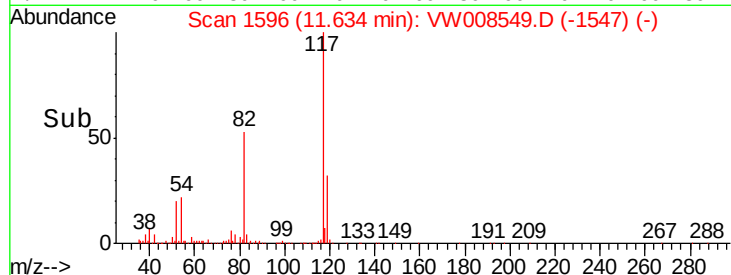
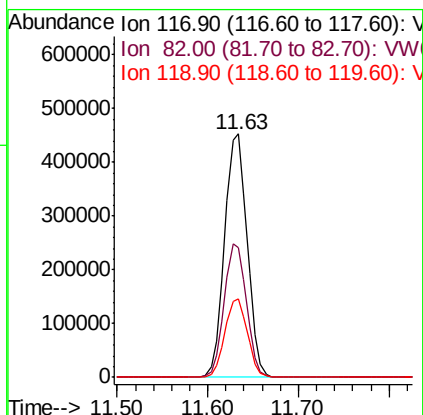
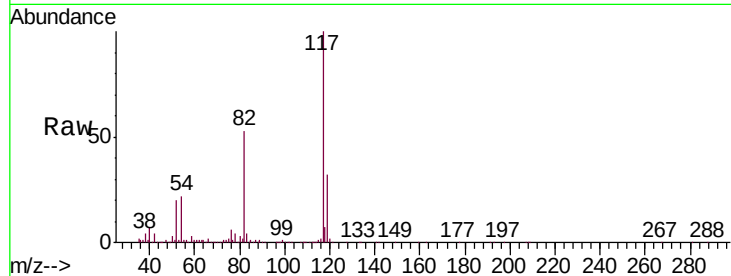




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

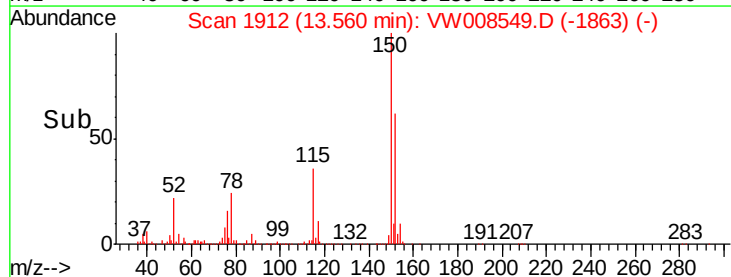
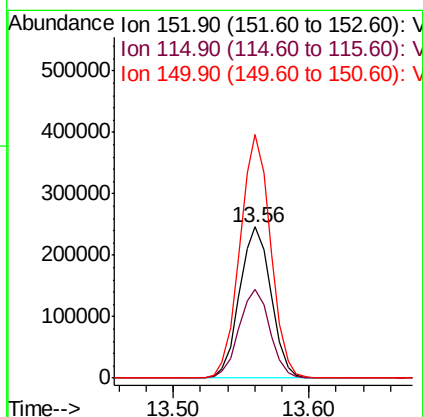
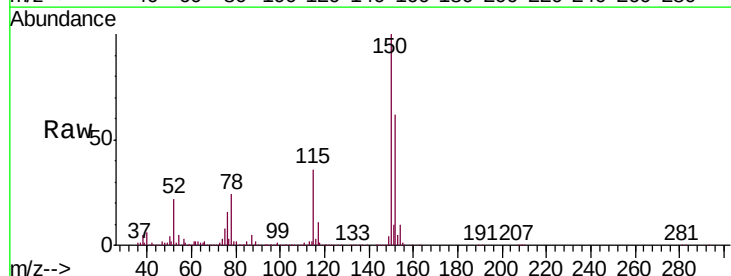
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-5-7

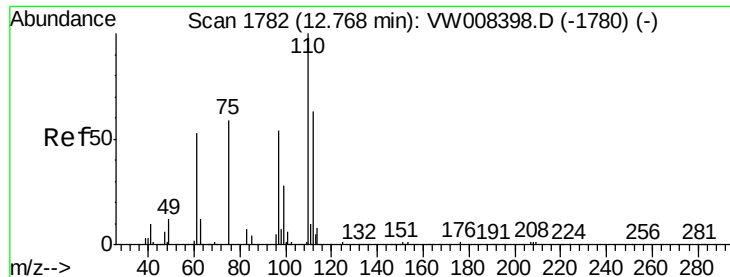
Tgt Ion:117 Resp: 784885
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008549.D
Acq: 07 Feb 2019 13:41

Tgt Ion:152 Resp: 397058
Ion Ratio Lower Upper
152 100
115 57.3 29.9 89.7
150 156.5 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 56.284 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Instrument :

MSVOA_W

ClientSampleId :

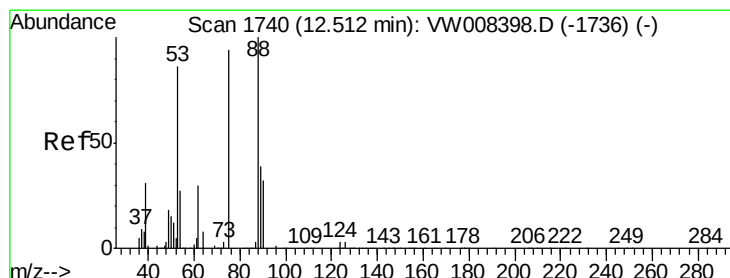
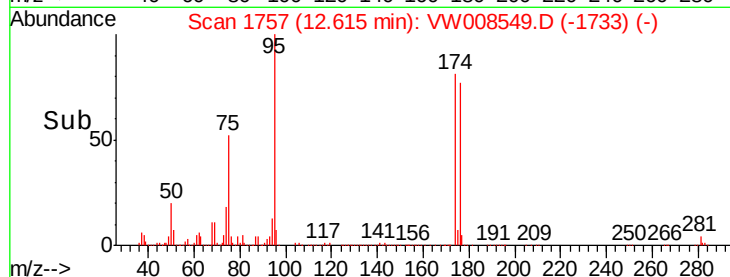
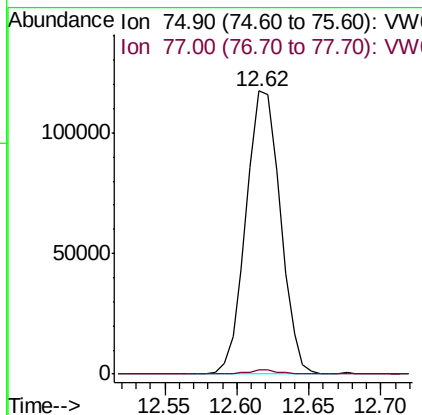
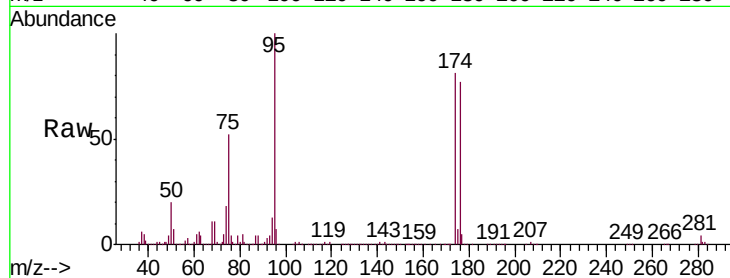
98-SB-01-5-7

Tgt Ion: 75 Resp: 194299

Ion Ratio Lower Upper

75 100

77 1.4 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.165 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008549.D

Acq: 07 Feb 2019 13:41

Tgt Ion: 75 Resp: 194299

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.1 35.4 53.0#

