

Data File : VW008531.D
Acq On : 06 Feb 2019 16:48
Operator : SY/VA
Sample : K1385-01
Misc : 11.6G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4

Quant Time: Feb 07 01:49:38 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	571593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	915506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	857323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	436021	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	320716	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.88	113	296162	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	10.32	98	1109802	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	425053	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

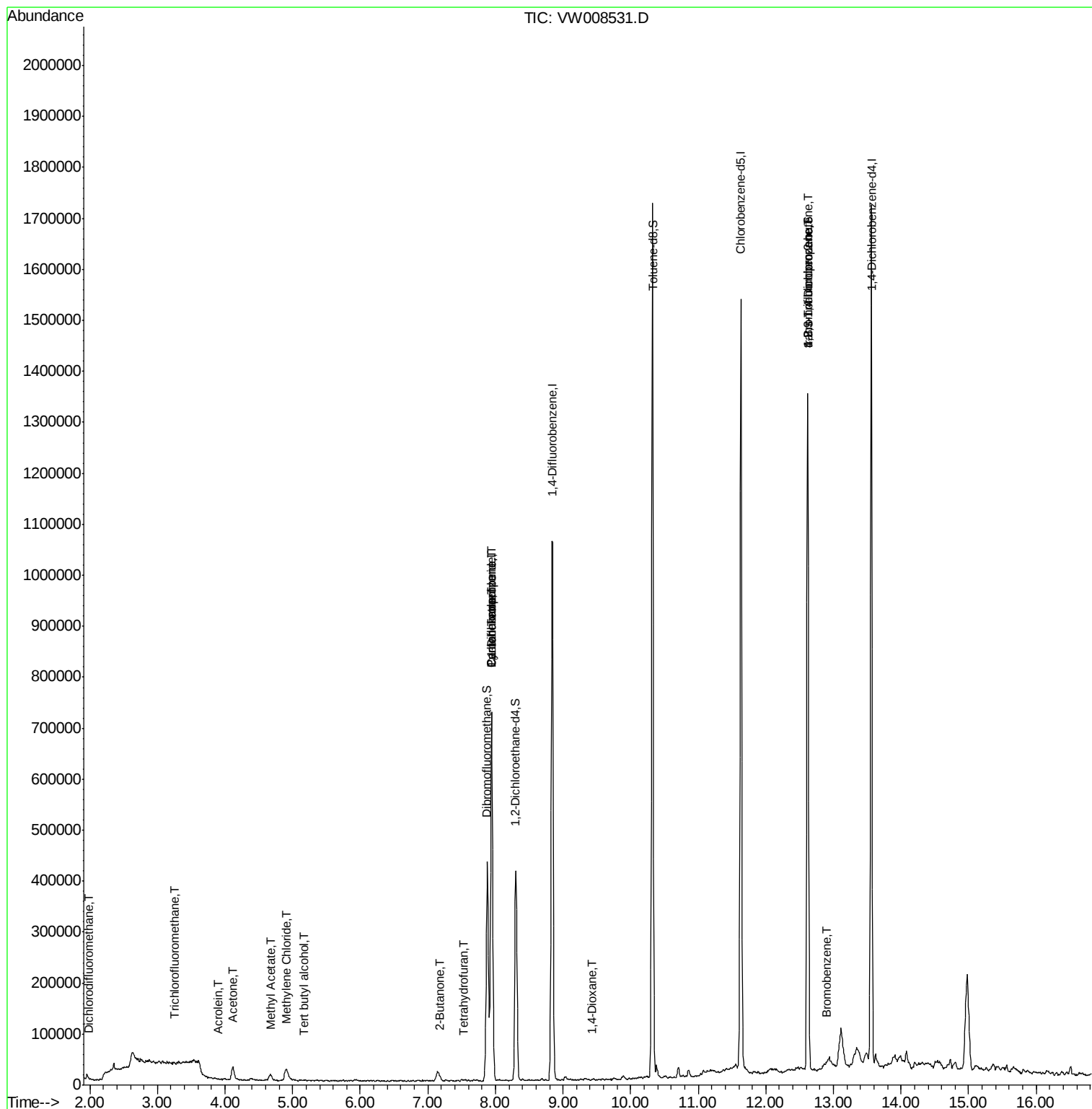
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.99	85	169	3.300	ug/l #	41
7) Trichlorofluoromethane	3.26	101	135	4.748	ug/l #	53
11) Tert butyl alcohol	5.17	59	2517	5.567	ug/l #	74
13) Acrolein	3.89	56	203	4.686	ug/l #	14
16) Acetone	4.12	43	44989	35.677	ug/l	95
18) Methyl Acetate	4.67	43	21582	6.417	ug/l #	89
20) Methylene Chloride	4.90	84	20553	3.536	ug/l #	88
25) 2-Butanone	7.18	43	7859	4.487	ug/l	91
29) Tetrahydrofuran	7.53	42	1299	1.170	ug/l #	67
31) Cyclohexane	7.95	56	12605	1.144	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	41846	4.839	ug/l #	51
38) Carbon Tetrachloride	7.95	117	52366	6.017	ug/l #	17
49) 1,4-Dioxane	9.43	88	74	1.423	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	214937	56.698	ug/l #	1
77) Bromobenzene	12.90	156	10218	1.439	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	214937	111.983	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: VW008531.D

Acq: 06 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampled :

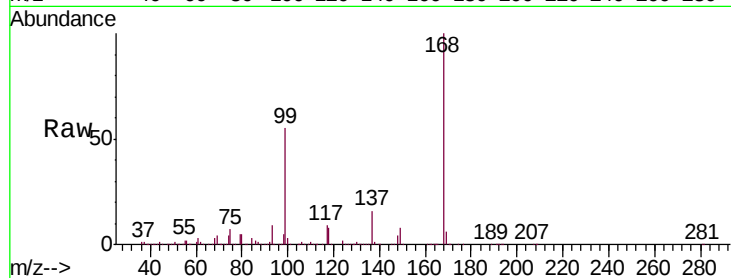
98-SB-01-2-4

Tgt Ion:168 Resp: 571593

Ion Ratio Lower Upper

168 100

99 55.1 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

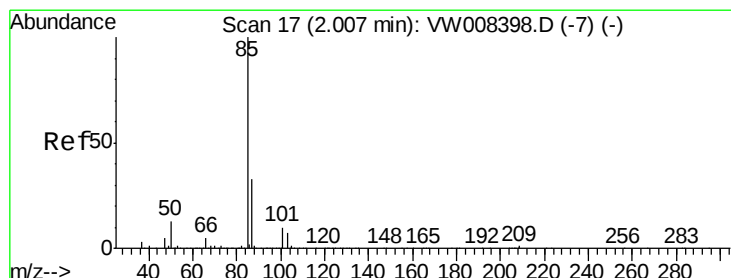
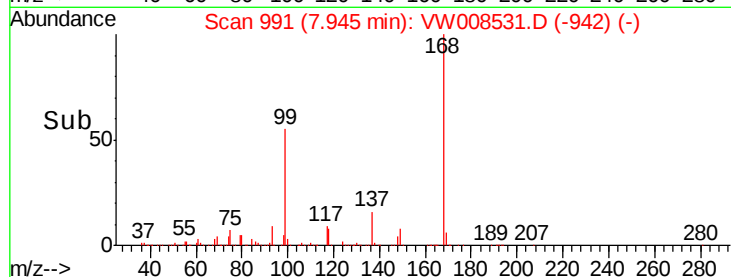
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.300 ug/l

RT: 1.99 min Scan# 14

Delta R.T. -0.02 min

Lab File: VW008531.D

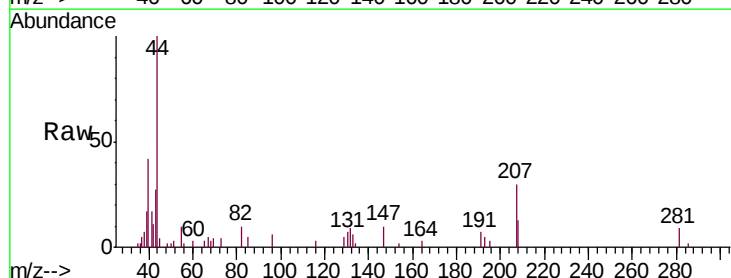
Acq: 06 Feb 2019 16:48

Tgt Ion: 85 Resp: 169

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

1.99

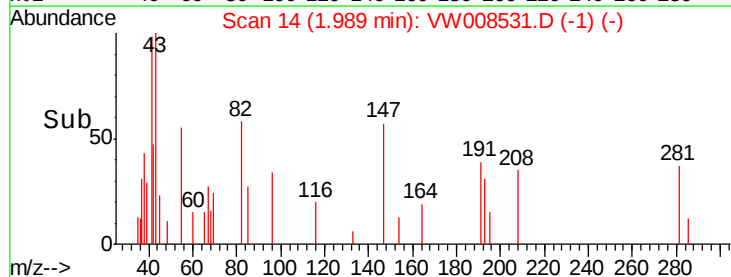
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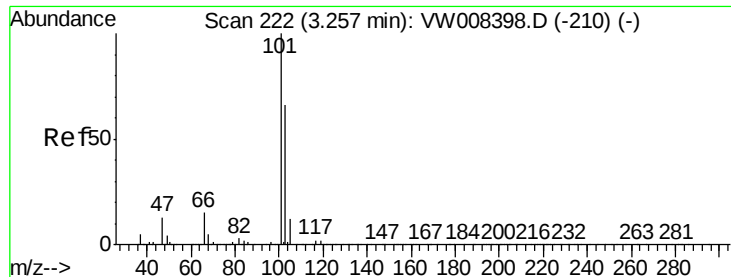
100

50

0

Time--> 1.96 1.98 2.00



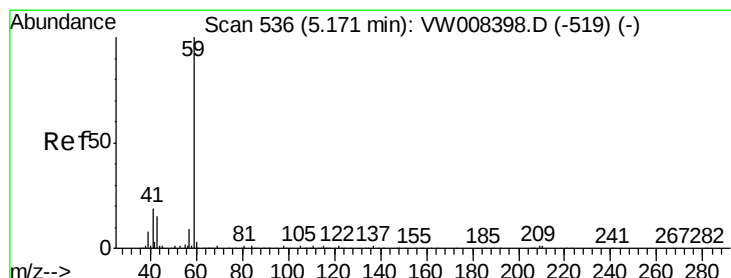
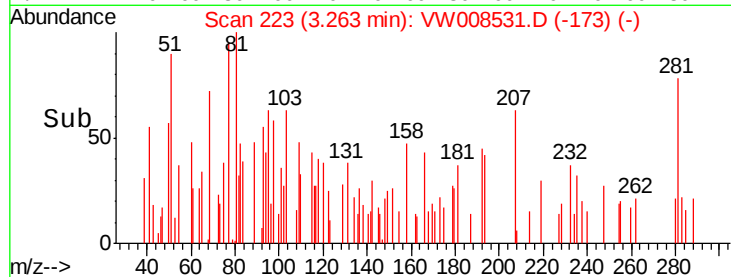
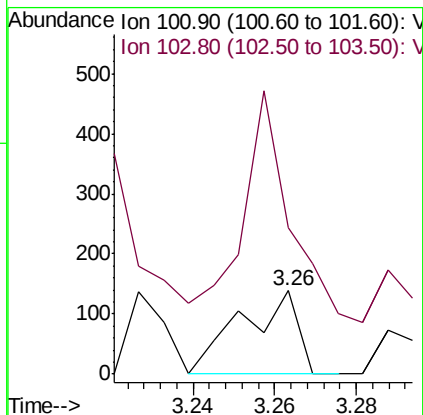
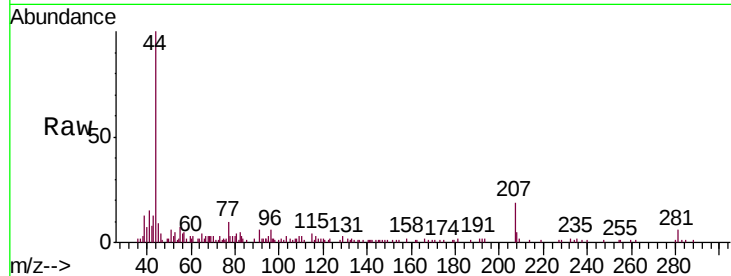


#7

Trichlorofluoromethane
Concen: 4.748 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Instrument :
MSVOA_W
ClientSampled :
98-SB-01-2-4

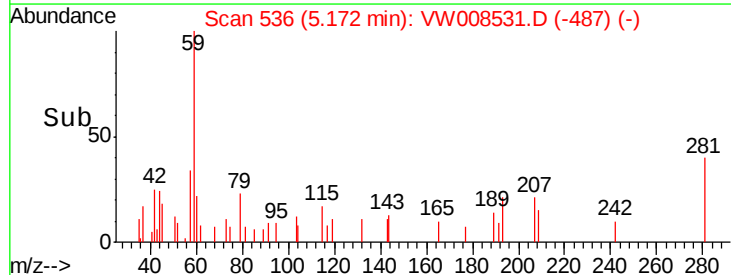
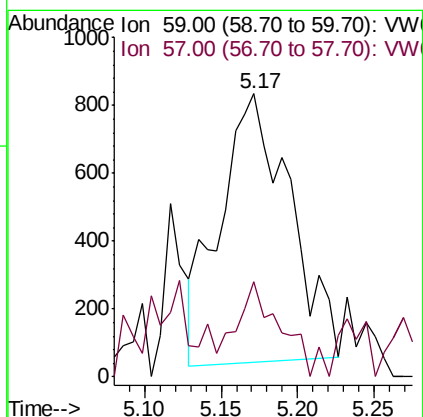
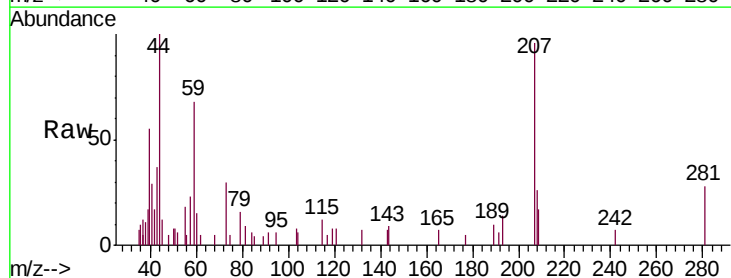
Tgt Ion: 101 Resp: 135
Ion Ratio Lower Upper
101 100
103 102.9 52.5 78.7#

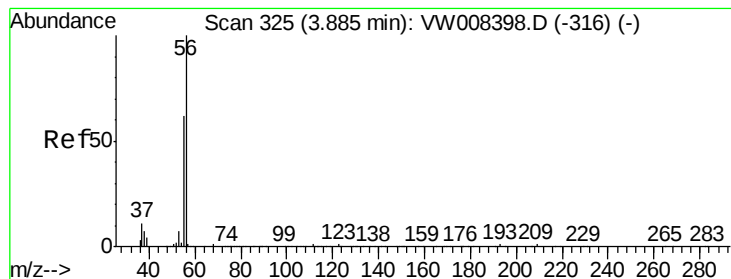


#11

Tert butyl alcohol
Concen: 5.567 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion: 59 Resp: 2517
Ion Ratio Lower Upper
59 100
57 21.5 9.3 13.9#





#13

Acrolein

Concen: 4.686 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008531.D

Acq: 06 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampled :

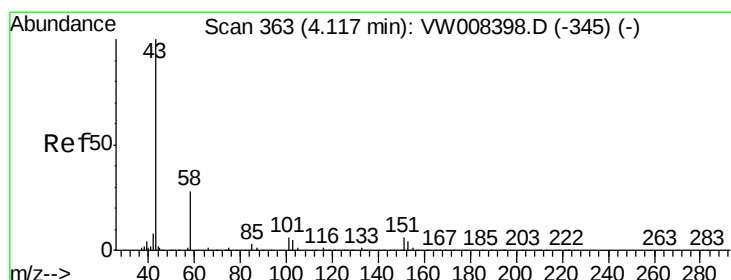
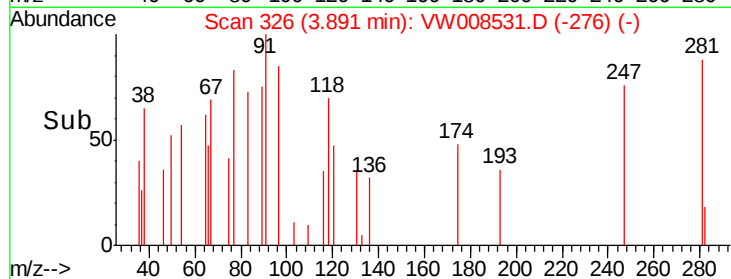
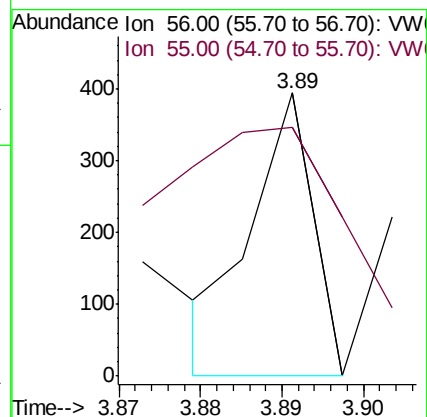
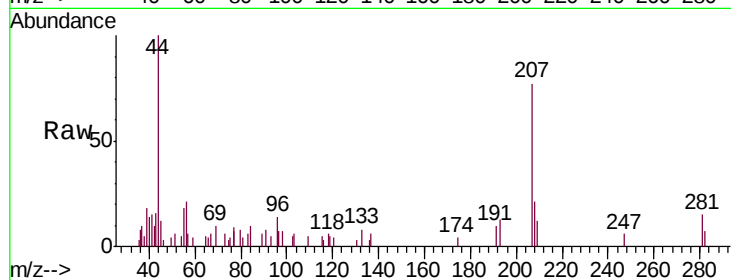
98-SB-01-2-4

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 35.677 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008531.D

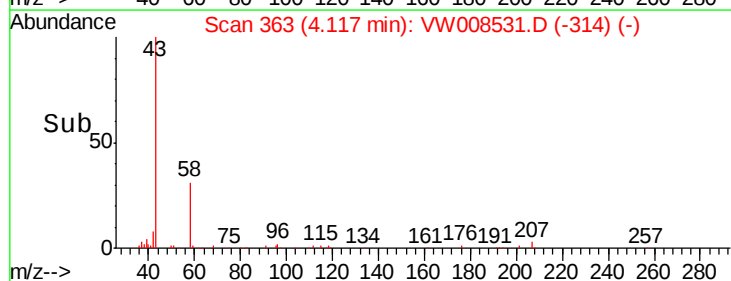
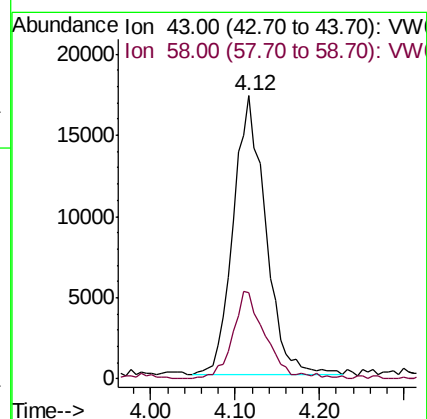
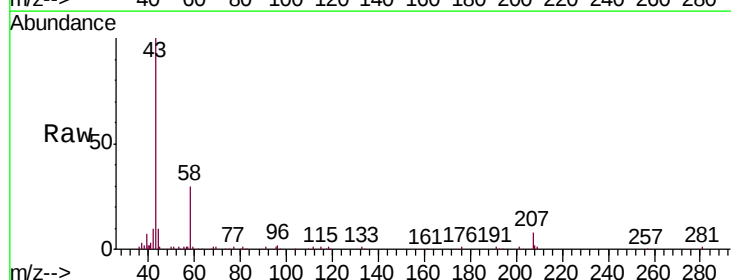
Acq: 06 Feb 2019 16:48

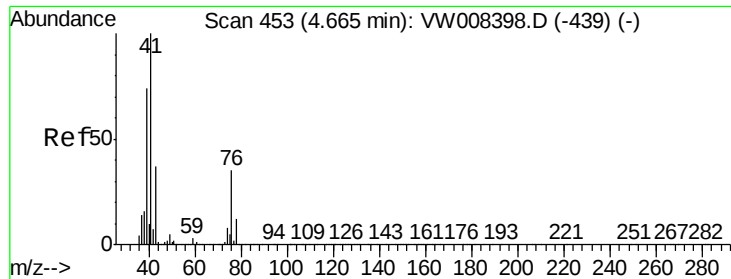
Tgt Ion: 43 Resp: 44989

Ion Ratio Lower Upper

43 100

58 30.7 22.6 34.0

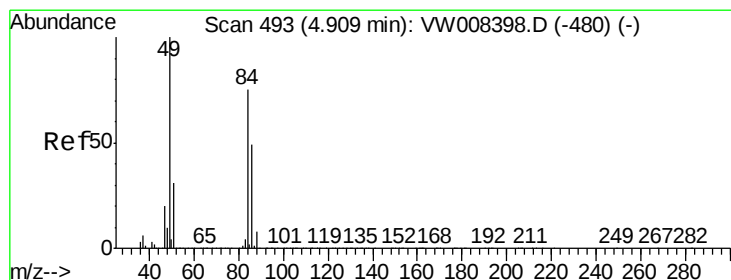
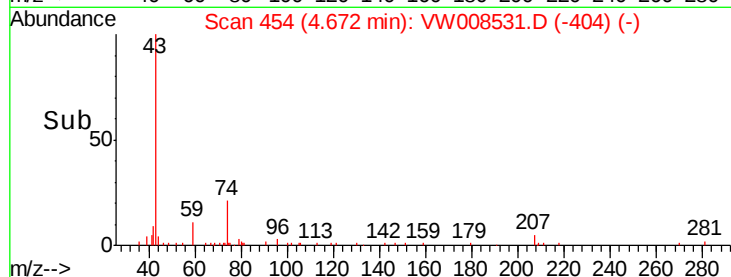
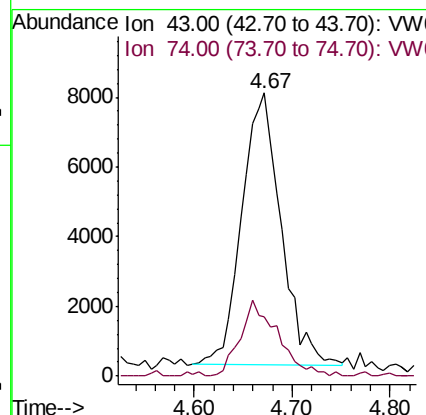
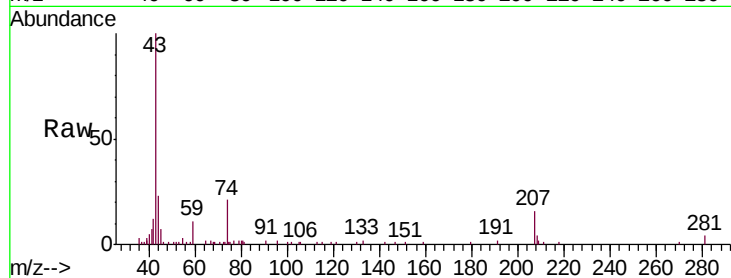




#18
Methyl Acetate
Concen: 6.417 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

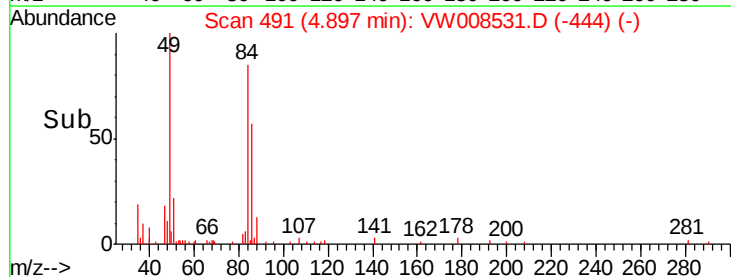
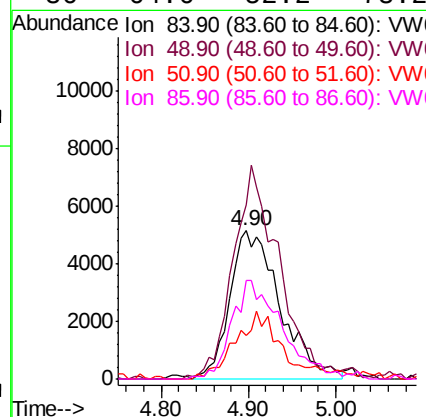
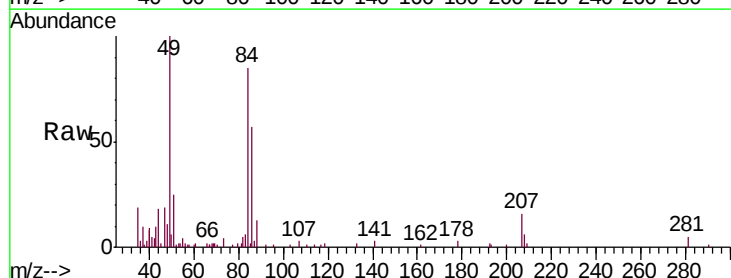
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4

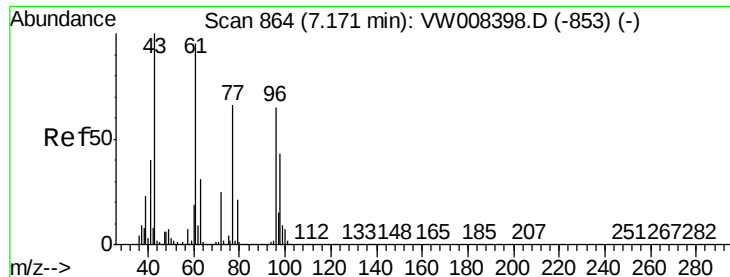
Tgt Ion: 43 Resp: 21582
Ion Ratio Lower Upper
43 100
74 27.2 17.5 26.3#



#20
Methylene Chloride
Concen: 3.536 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion: 84 Resp: 20553
Ion Ratio Lower Upper
84 100
49 115.6 106.8 160.2
51 29.5 32.9 49.3#
86 64.6 52.2 78.2





#25

2-Butanone

Concen: 4.487 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008531.D

Acq: 06 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

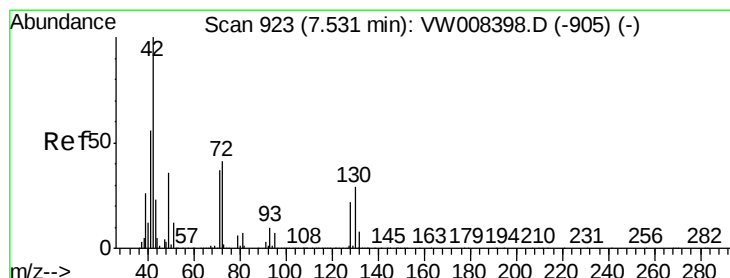
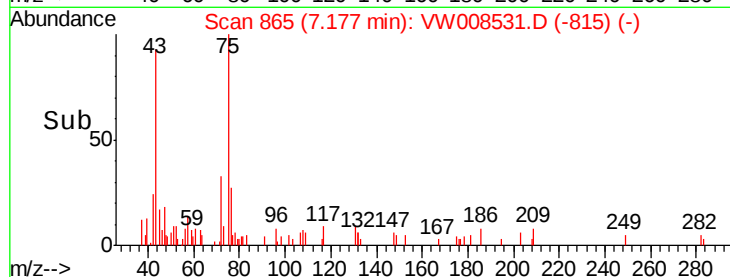
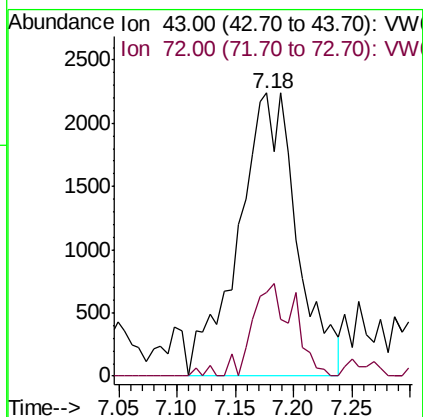
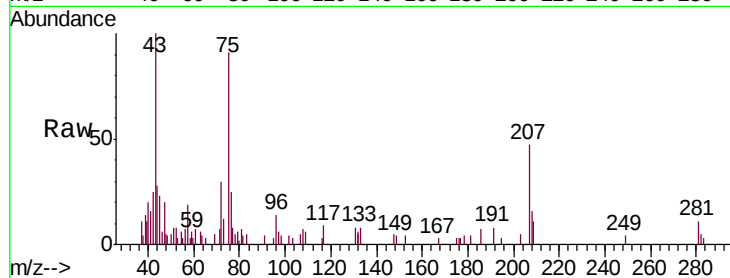
98-SB-01-2-4

Tgt Ion: 43 Resp: 7859

Ion Ratio Lower Upper

43 100

72 29.6 20.1 30.1



#29

Tetrahydrofuran

Concen: 1.170 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008531.D

Acq: 06 Feb 2019 16:48

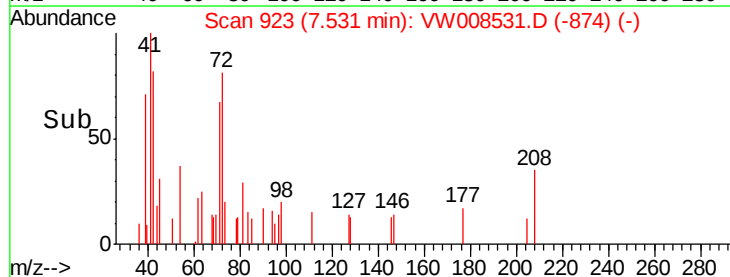
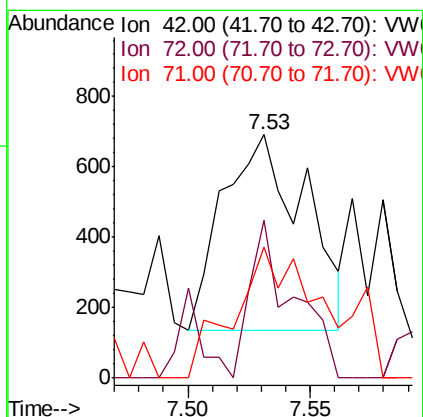
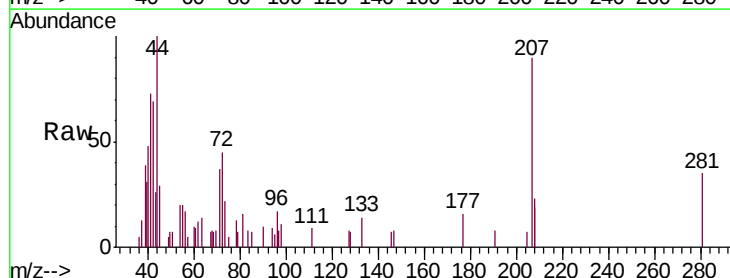
Tgt Ion: 42 Resp: 1299

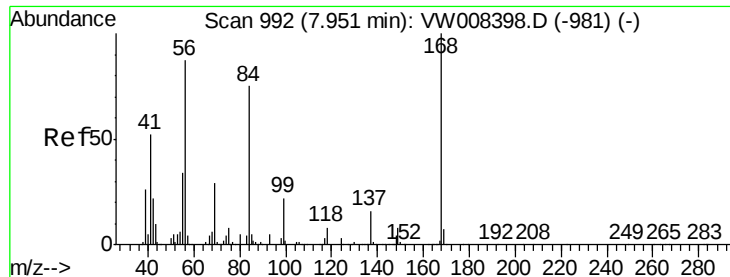
Ion Ratio Lower Upper

42 100

72 42.5 31.9 47.9

71 76.0 29.9 44.9#

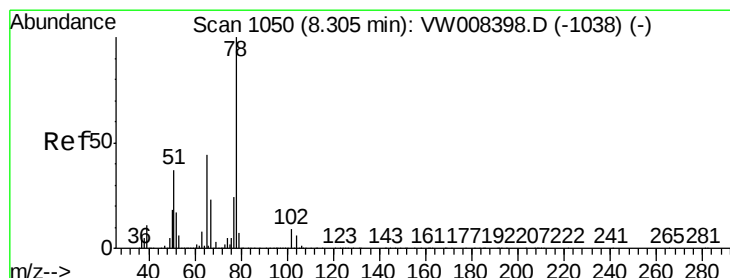
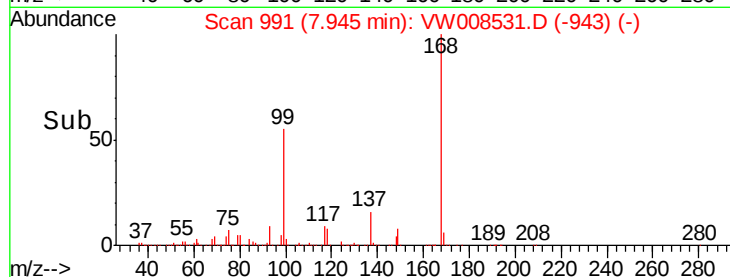
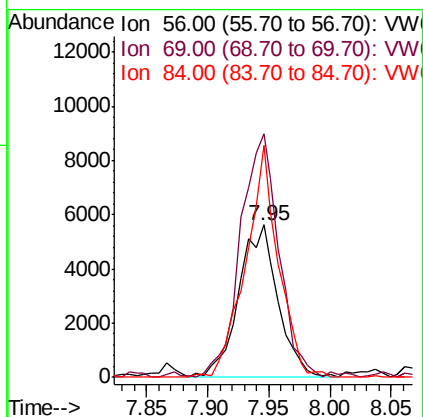
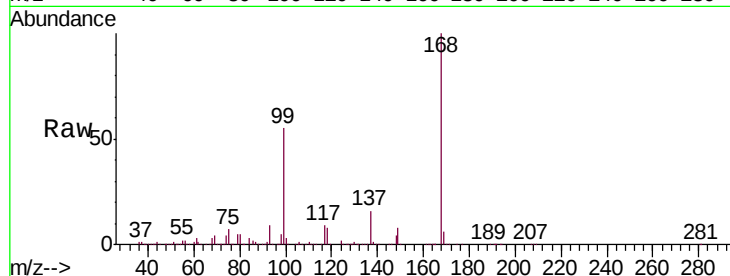




#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

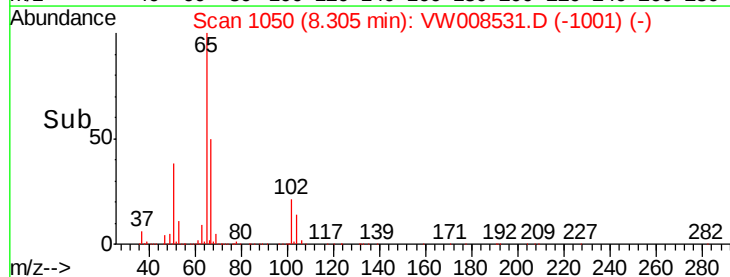
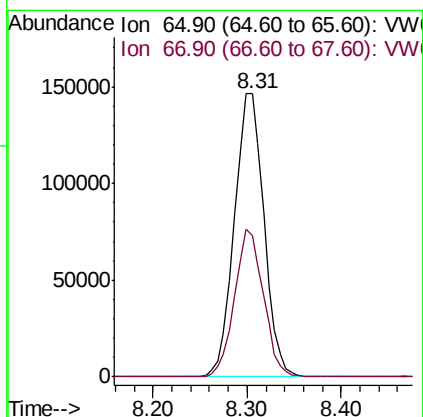
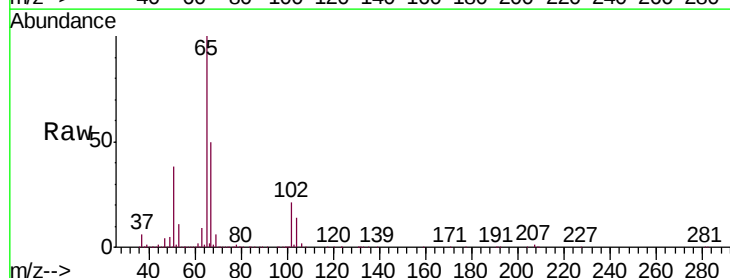
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4

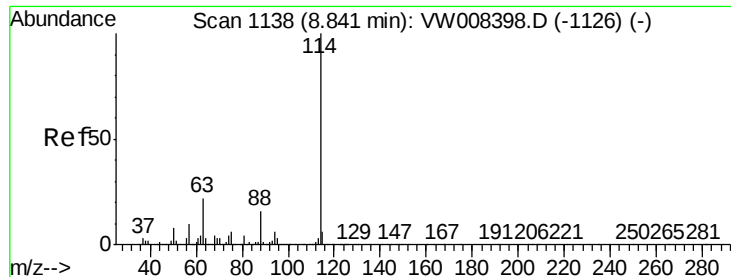
Tgt Ion: 56 Resp: 12605
Ion Ratio Lower Upper
56 100
69 158.7 26.4 39.6#
84 152.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 57.114 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion: 65 Resp: 320716
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0

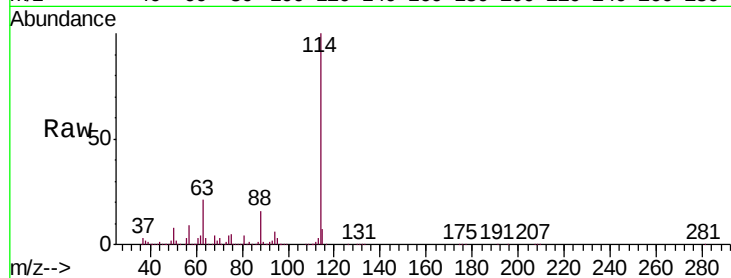




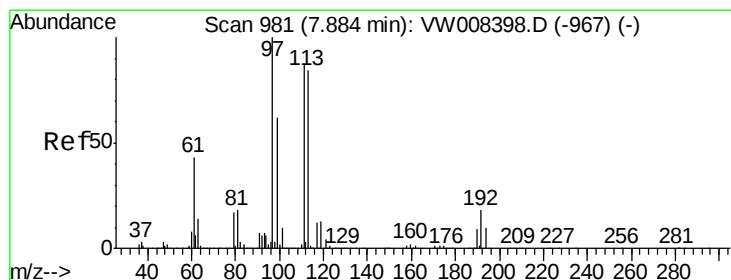
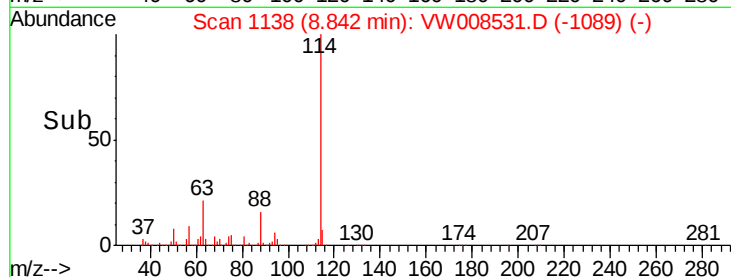
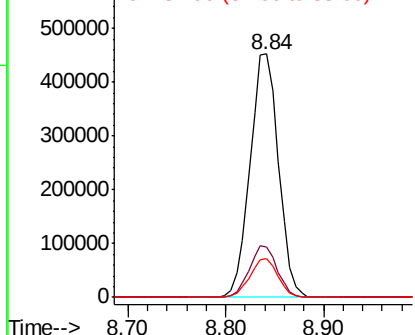
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.6
88	15.8	0.0	31.8

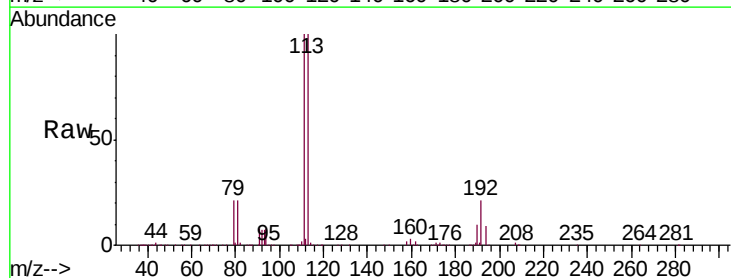


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

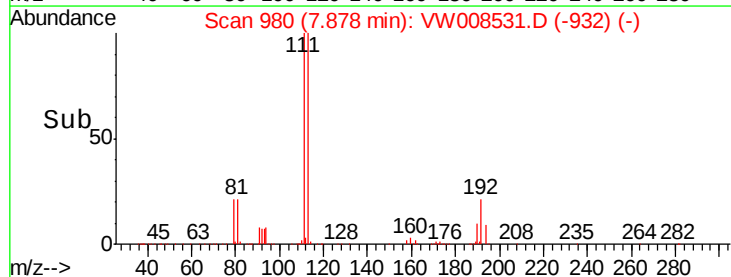
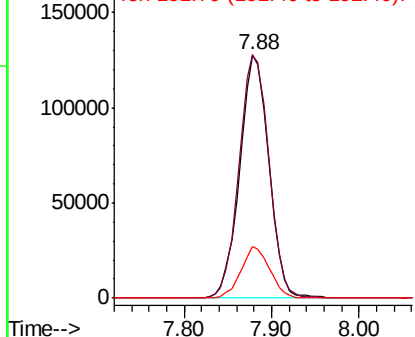


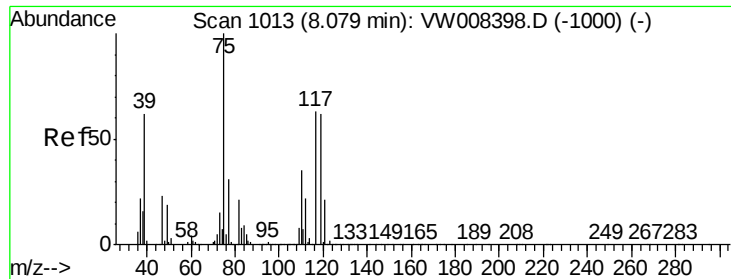
#35
Dibromofluoromethane
Concen: 55.324 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	20.8	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

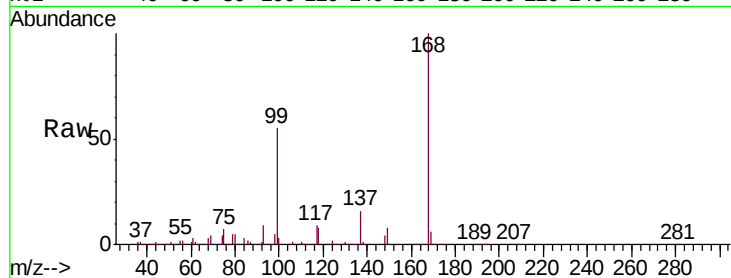




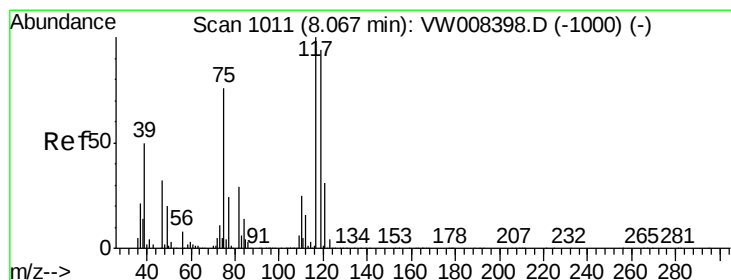
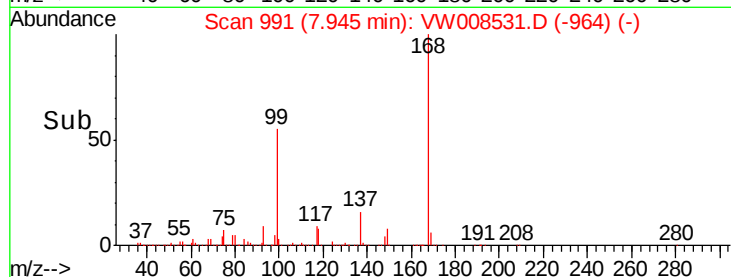
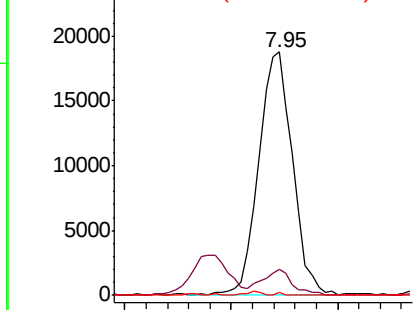
#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008531.D
 Acq: 06 Feb 2019 16:48

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.3	24.7	37.1#

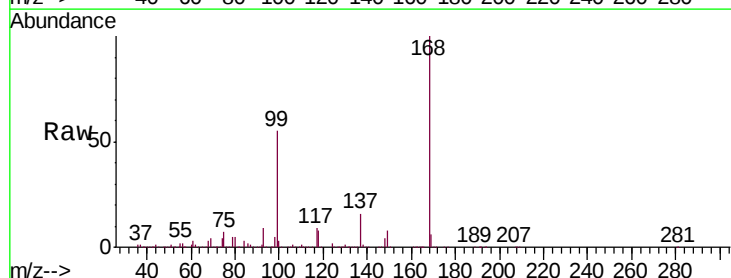


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

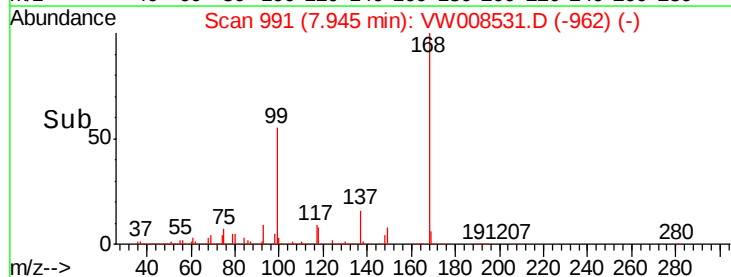
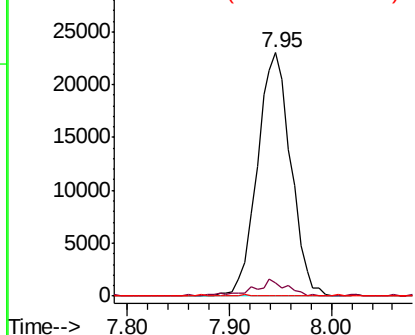


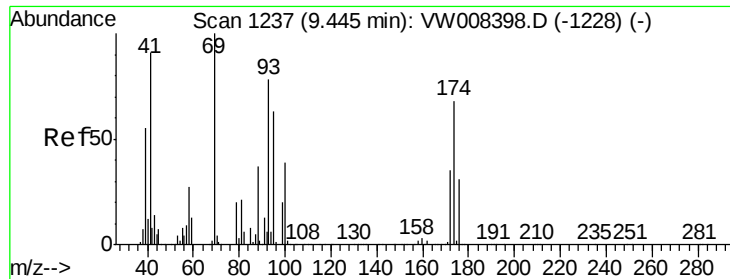
#38
 Carbon Tetrachloride
 Concen: 6.017 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008531.D
 Acq: 06 Feb 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	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

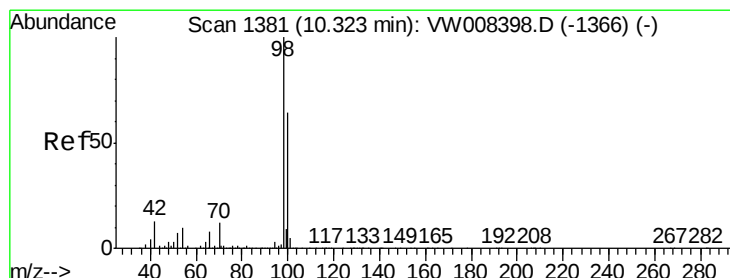
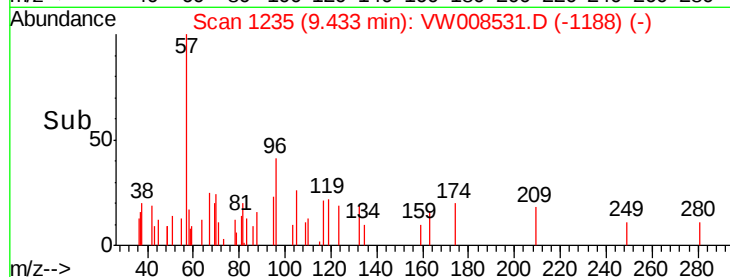
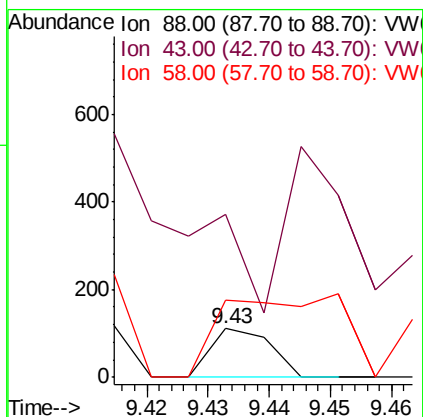
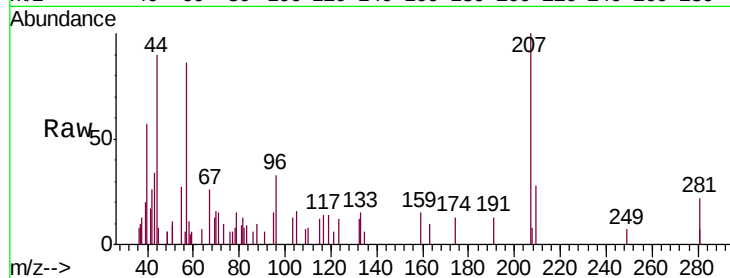




#49
1,4-Dioxane
Concen: 1.423 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

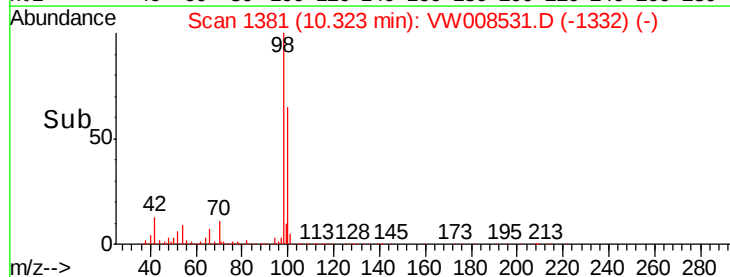
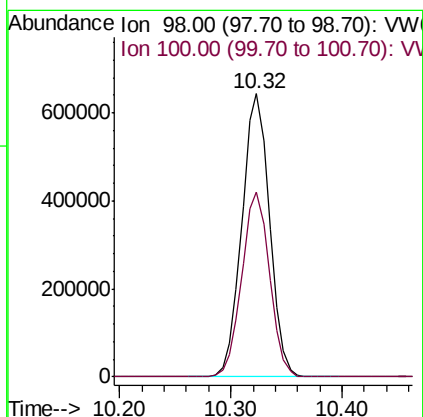
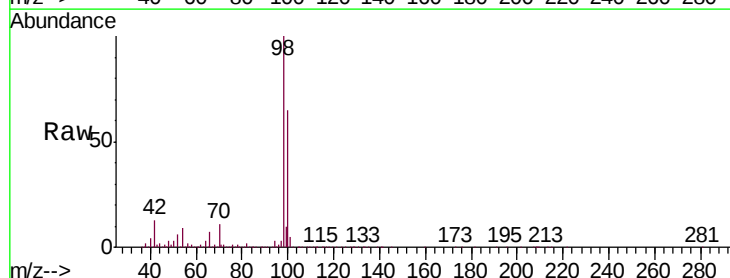
Instrument :
MSVOA_W
ClientSampled :
98-SB-01-2-4

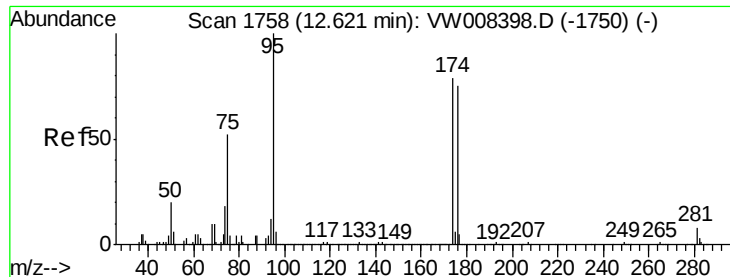
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 345.9 29.0 43.4#
58 344.6 56.4 84.6#



#50
Toluene-d8
Concen: 51.698 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion: 98 Resp: 1109802
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

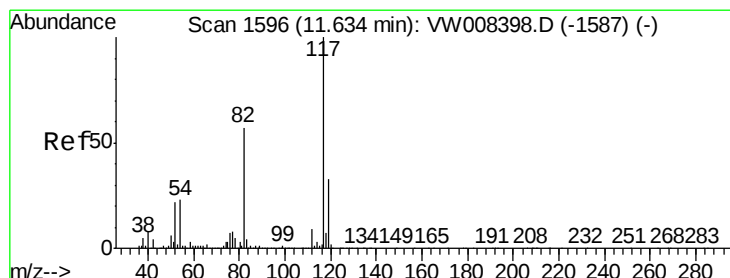
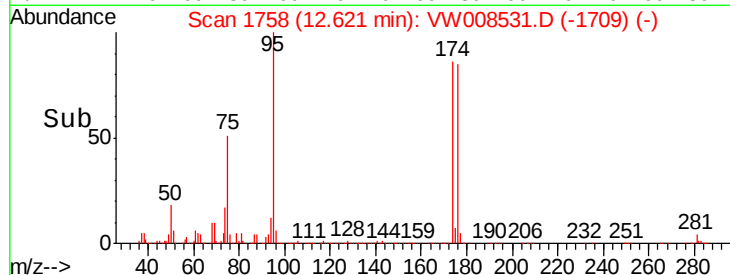
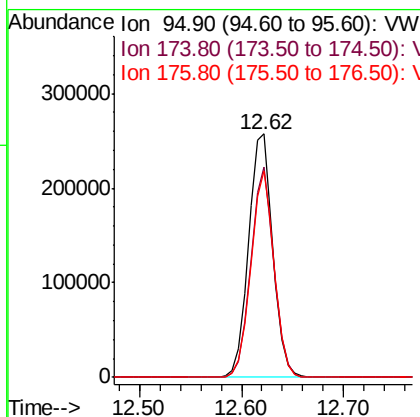
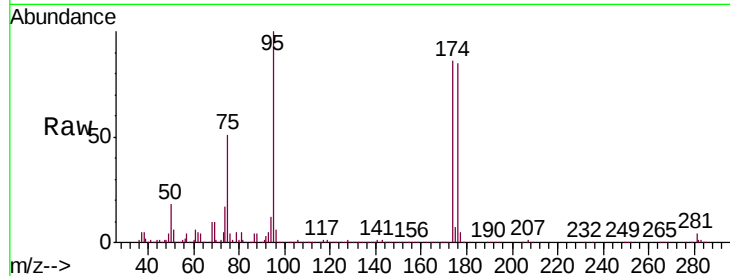




#62
4-Bromofluorobenzene
Concen: 51.512 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

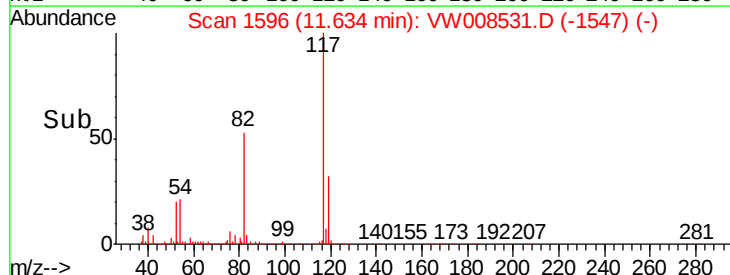
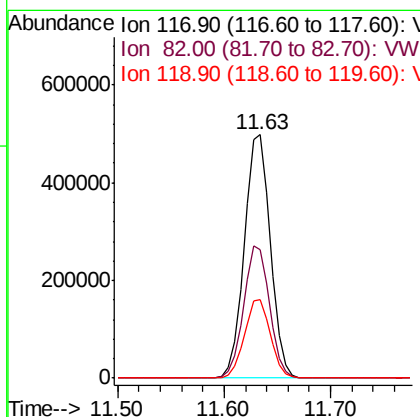
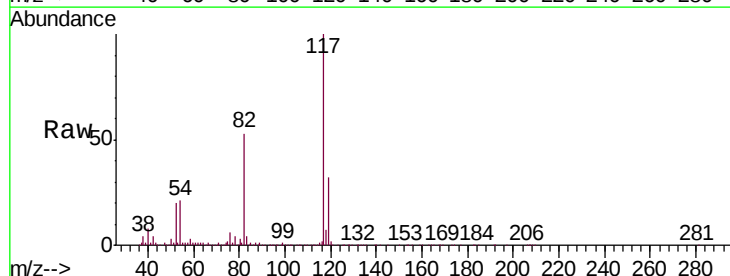
Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4

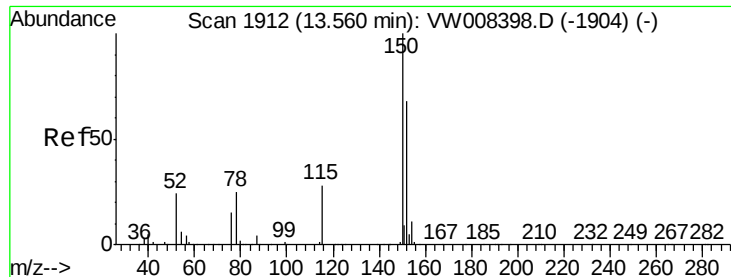
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	157.6
176	81.8	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008531.D
Acq: 06 Feb 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.4	68.0
119	32.0	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: VW008531.D

Acq: 06 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4

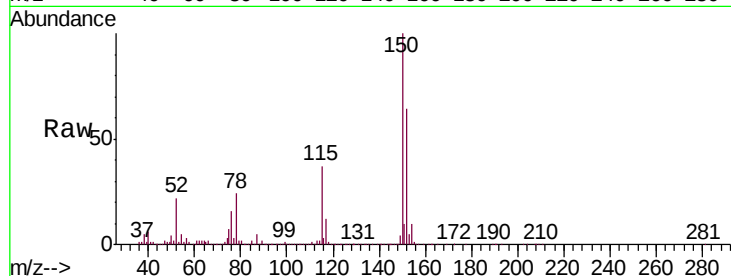
Tgt Ion:152 Resp: 436021

Ion Ratio Lower Upper

152 100

115 58.1 29.9 89.7

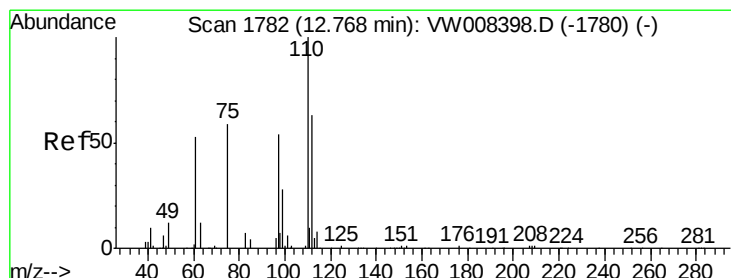
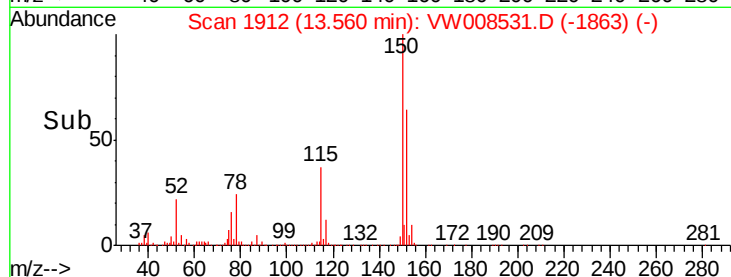
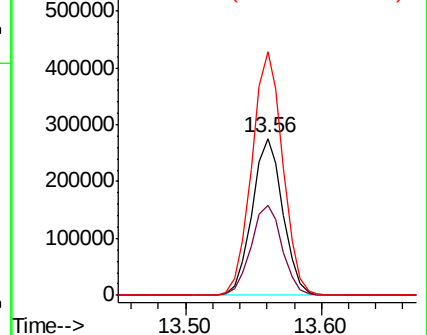
150 157.1 0.0 351.4



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: 56.698 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008531.D

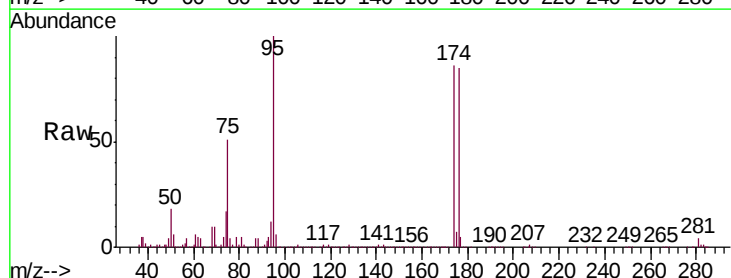
Acq: 06 Feb 2019 16:48

Tgt Ion: 75 Resp: 214937

Ion Ratio Lower Upper

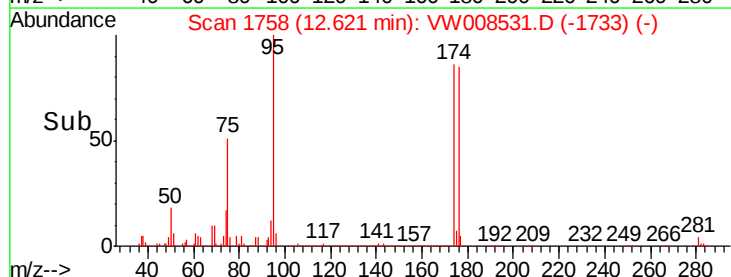
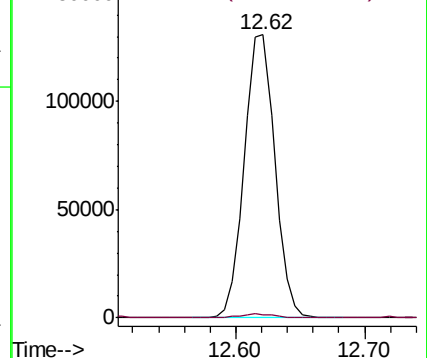
75 100

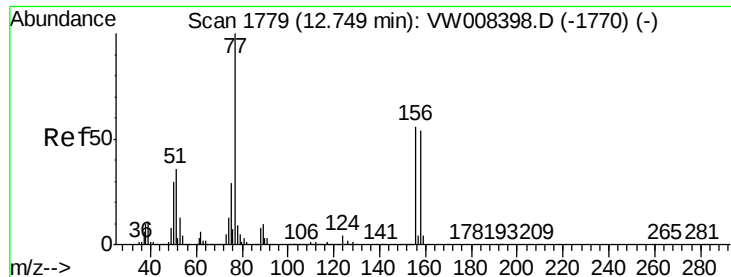
77 1.3 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.439 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.15 min

Lab File: VW008531.D

Acq: 06 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4

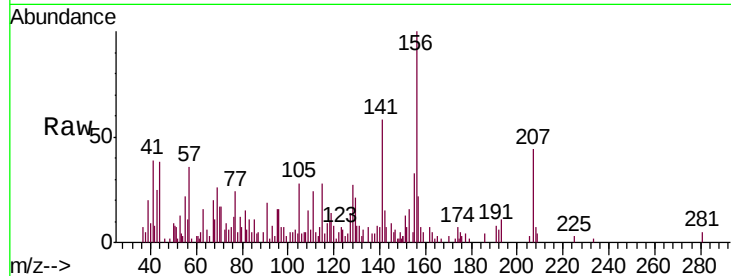
Tgt Ion:156 Resp: 10218

Ion Ratio Lower Upper

156 100

77 4.5 96.9 290.7#

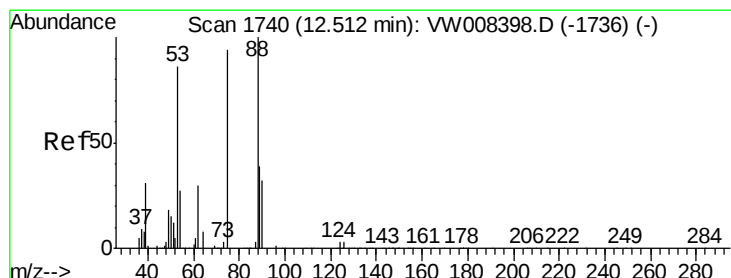
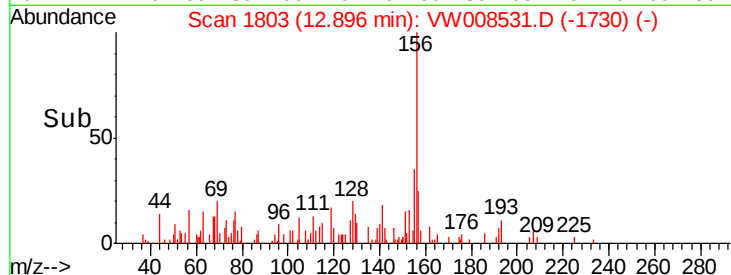
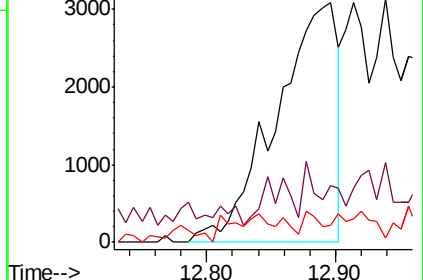
158 3.3 48.8 146.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.983 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008531.D

Acq: 06 Feb 2019 16:48

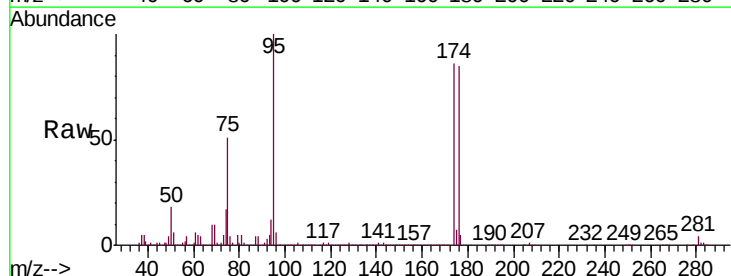
Tgt Ion: 75 Resp: 214937

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

89 0.2 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

