

Data File : VW008464.D
Acq On : 30 Jan 2019 14:31
Operator : SY/VA
Sample : K1282-09
Misc : 6.26G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-3

Quant Time: Jan 31 00:26:31 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	329940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	170236	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.88	113	173581	58.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.86%	
50) Toluene-d8	10.32	98	550081	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	12.62	95	105947	23.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.68%	

Target Compounds

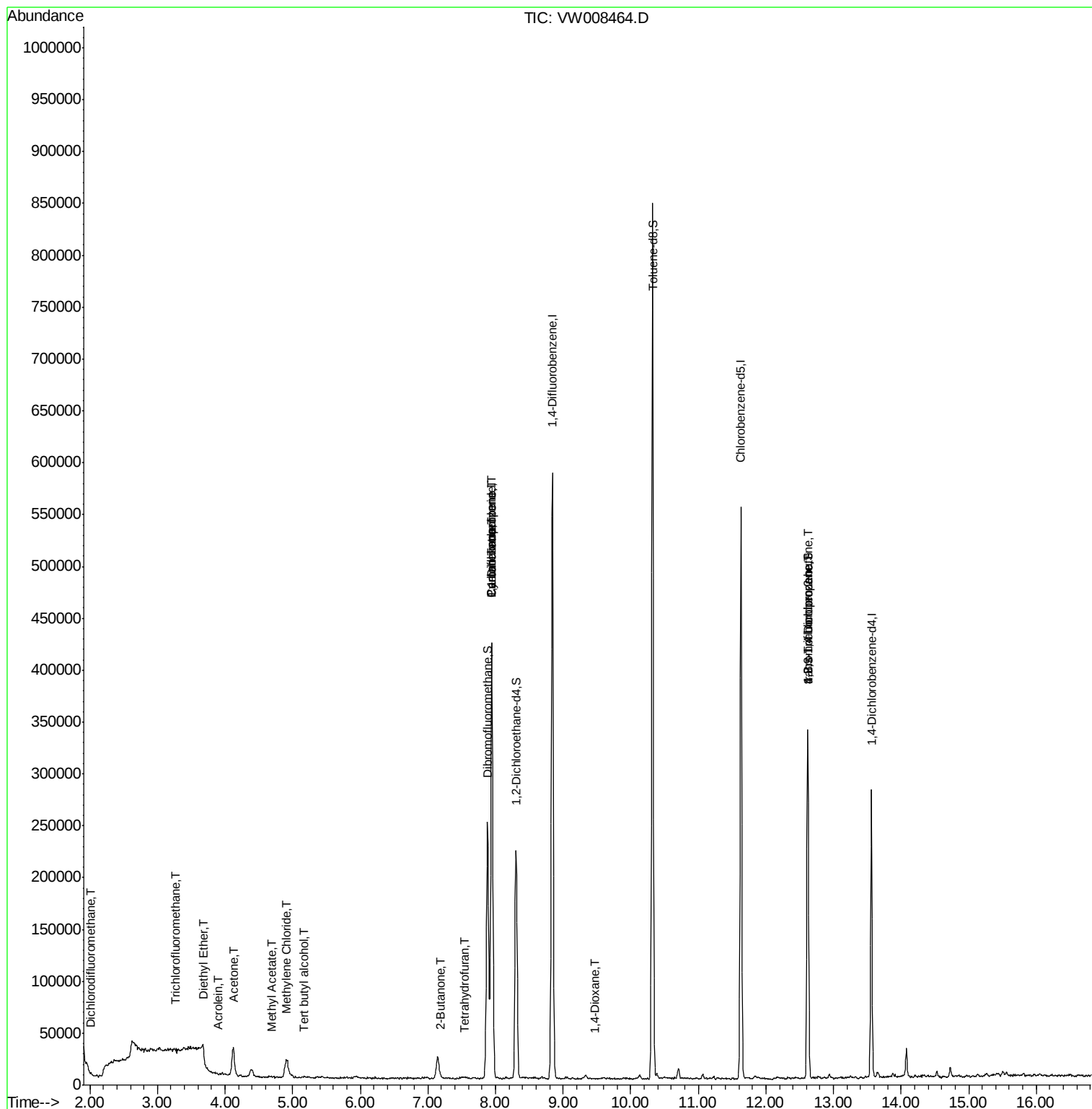
						Qvalue
2) Dichlorodifluoromethane	2.02	85	52	3.278	ug/l #	41
7) Trichlorofluoromethane	3.26	101	187	4.782	ug/l #	31
8) Diethyl Ether	3.68	74	2910	1.769	ug/l	95
11) Tert butyl alcohol	5.17	59	2824	10.821	ug/l #	93
13) Acrolein	3.90	56	90	4.570	ug/l #	1
16) Acetone	4.12	43	46111	63.349	ug/l	99
18) Methyl Acetate	4.68	43	2125	1.095	ug/l #	82
20) Methylene Chloride	4.91	84	14438	4.304	ug/l	91
25) 2-Butanone	7.19	43	1490	1.474	ug/l #	82
29) Tetrahydrofuran	7.56	42	1593	2.486	ug/l #	53
31) Cyclohexane	7.94	56	7264	1.142	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	22219	4.670	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29850	6.234	ug/l #	17
49) 1,4-Dioxane	9.48	88	67	2.341	ug/l #	60
76) 1,2,3-Trichloropropane	12.62	75	52013	84.169	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52013	166.241	ug/l #	12

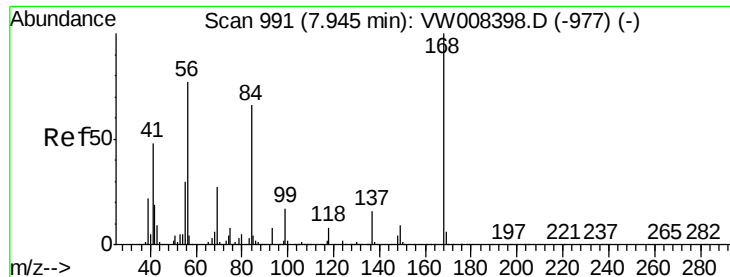
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008464.D

Acq: 30 Jan 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

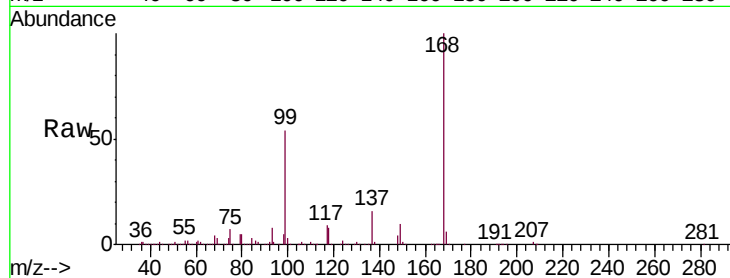
TP-3

Tgt Ion: 168 Resp: 329940

Ion Ratio Lower Upper

168 100

99 54.1 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

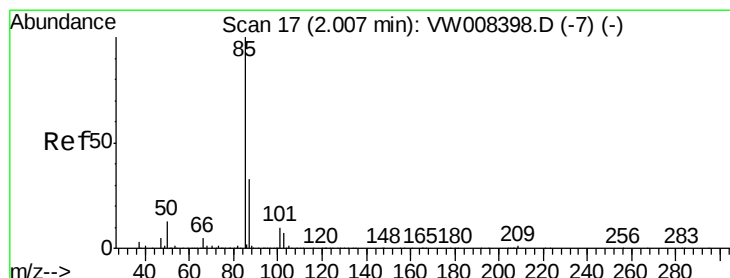
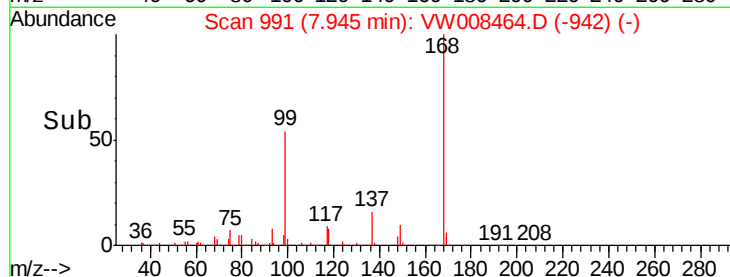
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.278 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008464.D

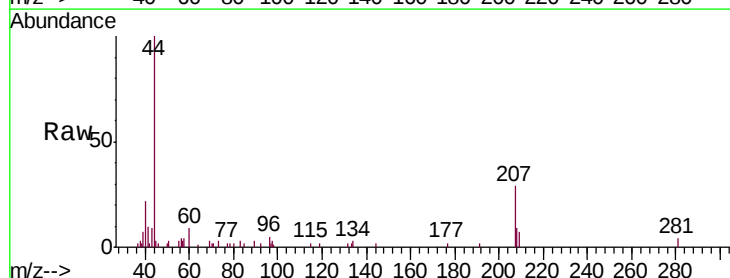
Acq: 30 Jan 2019 14:31

Tgt Ion: 85 Resp: 52

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

2.02

100

80

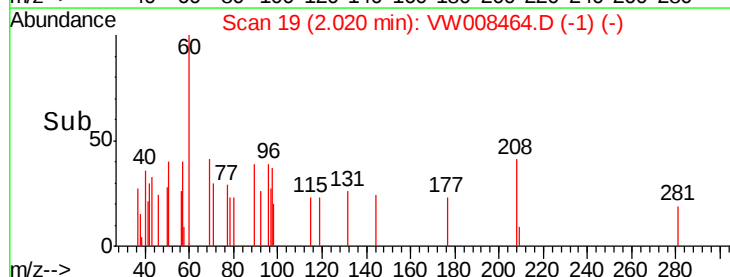
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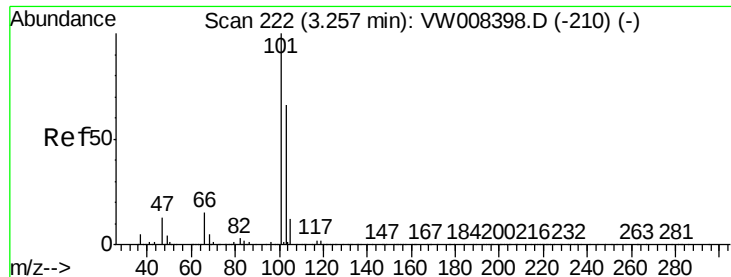
40

20

0

Time--> 2.01 2.02 2.03 2.04



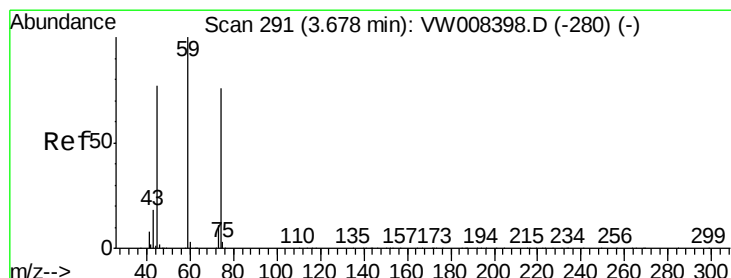
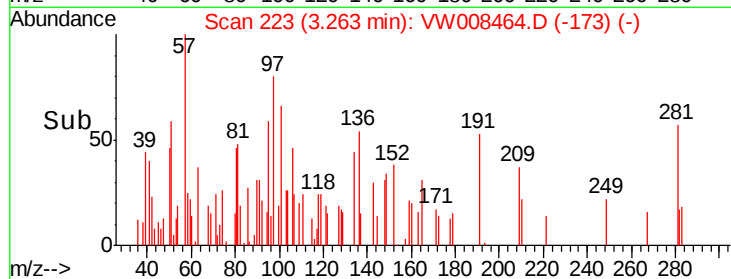
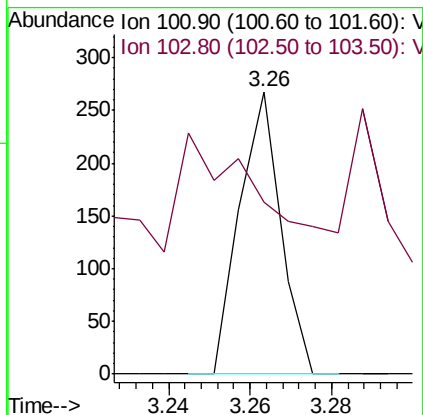
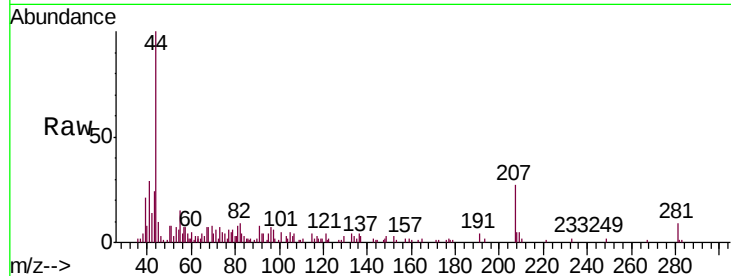


#7

Trichlorofluoromethane
 Concen: 4.782 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

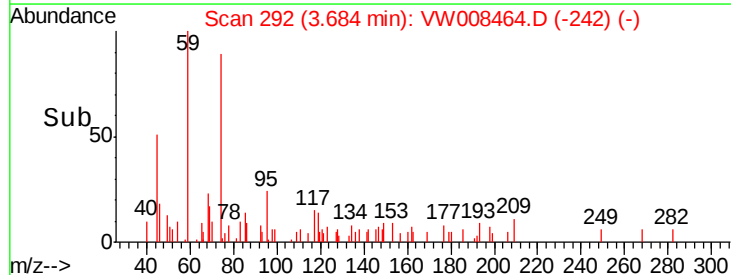
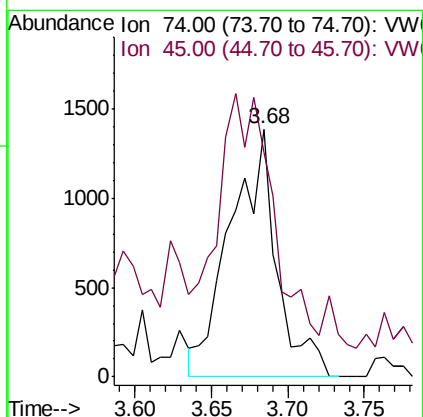
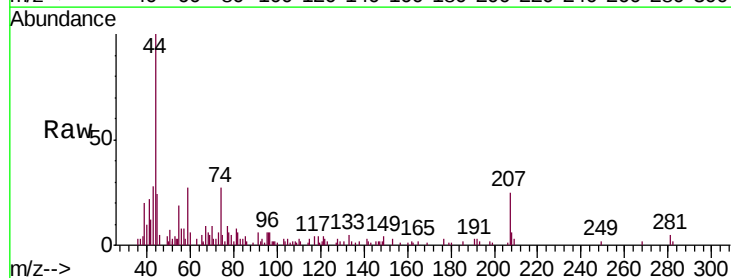
Tgt Ion: 101 Resp: 187
 Ion Ratio Lower Upper
 101 100
 103 10.8 52.5 78.7#

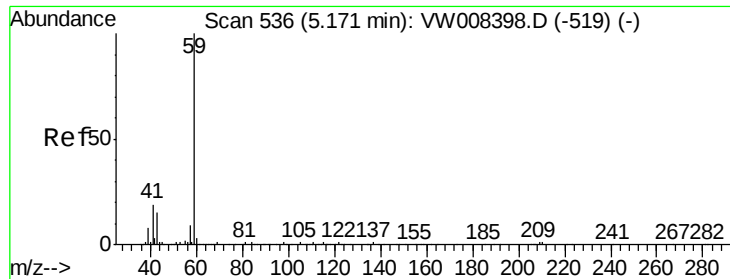


#8

Diethyl Ether
 Concen: 1.769 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

Tgt Ion: 74 Resp: 2910
 Ion Ratio Lower Upper
 74 100
 45 108.7 51.7 155.2

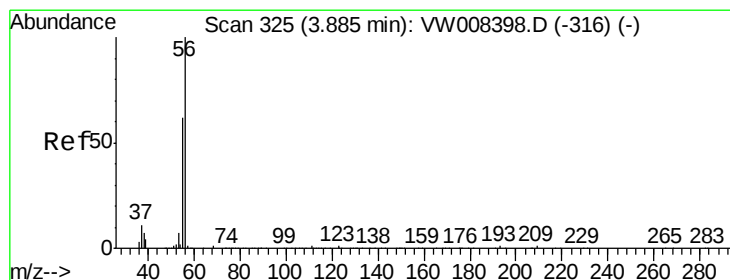
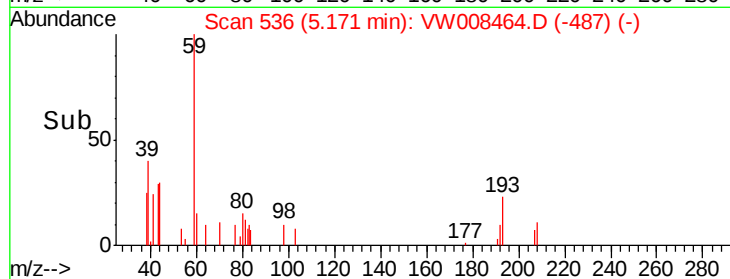
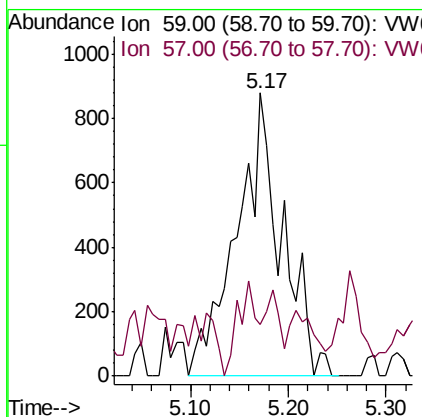
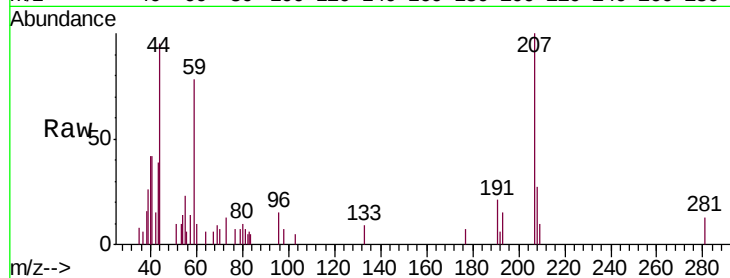




#11
Tert butyl alcohol
Concen: 10.821 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

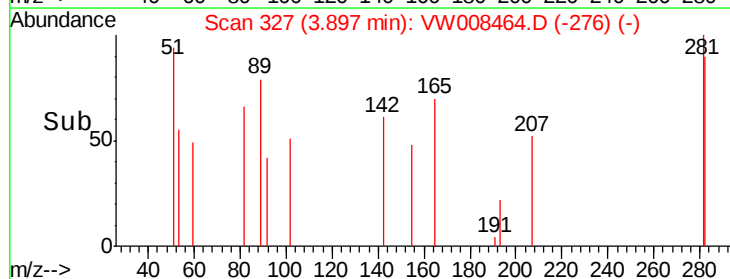
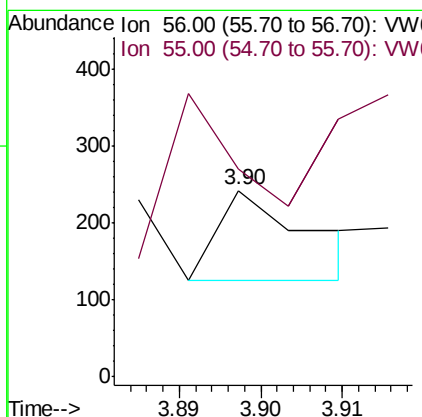
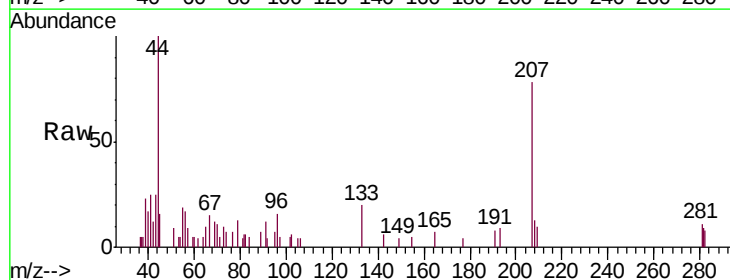
Instrument :
MSVOA_W
ClientSampled :
TP-3

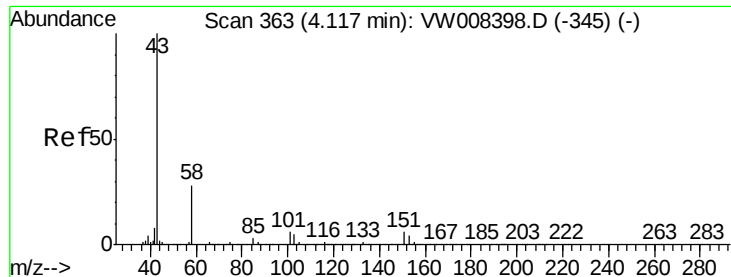
Tgt Ion: 59 Resp: 2824
Ion Ratio Lower Upper
59 100
57 14.3 9.3 13.9#



#13
Acrolein
Concen: 4.570 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 162.2 56.7 85.1#





#16

Acetone

Concen: 63.349 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

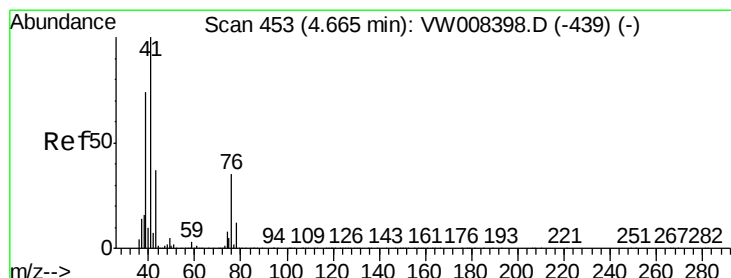
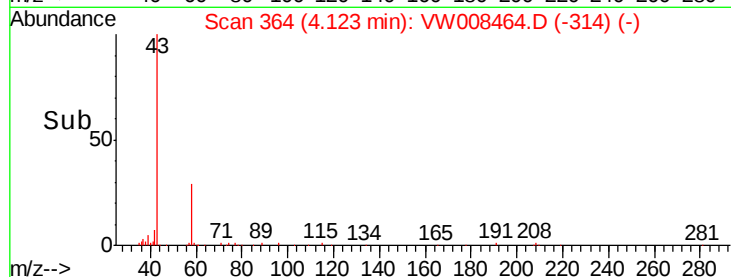
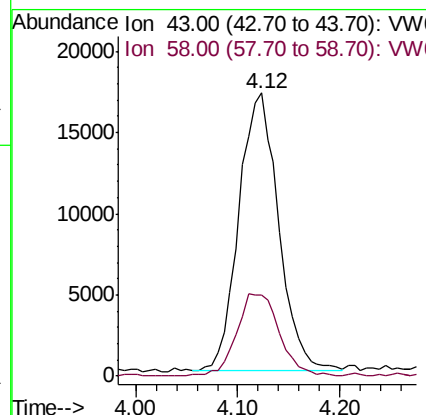
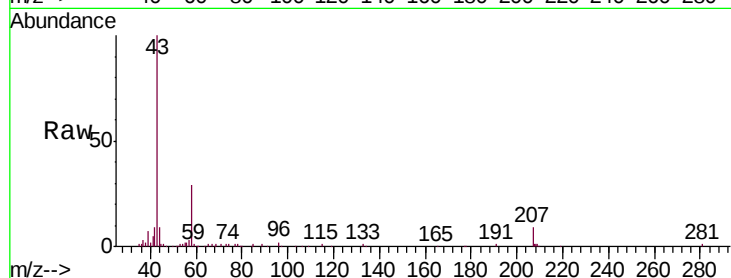
TP-3

Tgt Ion: 43 Resp: 46111

Ion Ratio Lower Upper

43 100

58 28.9 22.6 34.0



#18

Methyl Acetate

Concen: 1.095 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008464.D

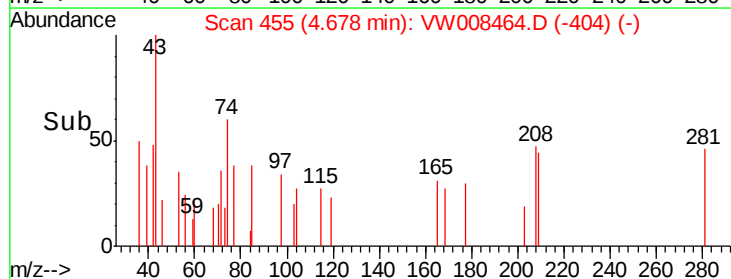
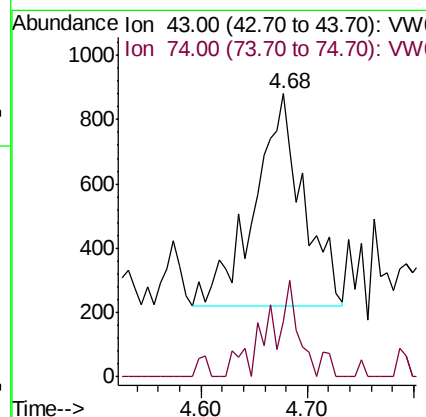
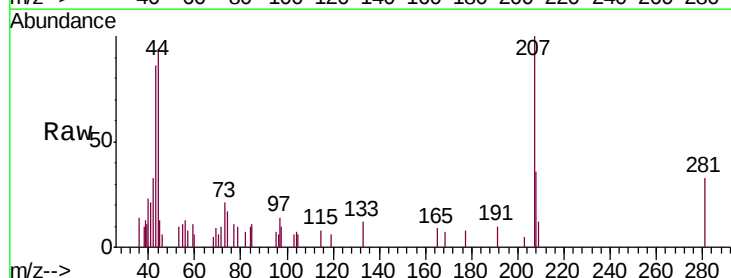
Acq: 30 Jan 2019 14:31

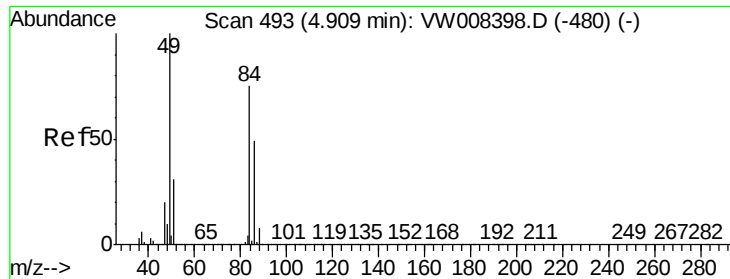
Tgt Ion: 43 Resp: 2125

Ion Ratio Lower Upper

43 100

74 13.6 17.5 26.3#

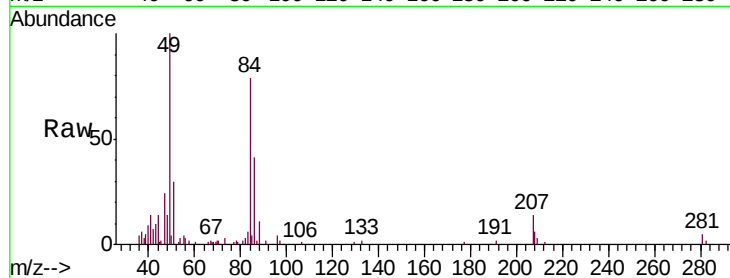




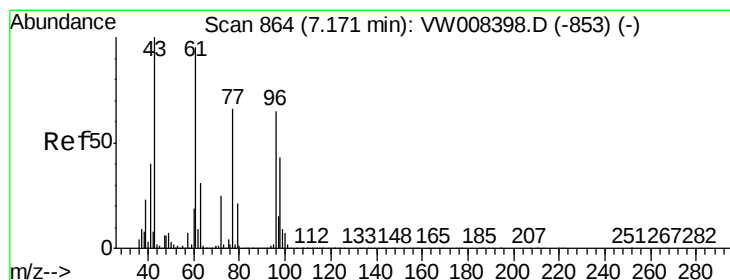
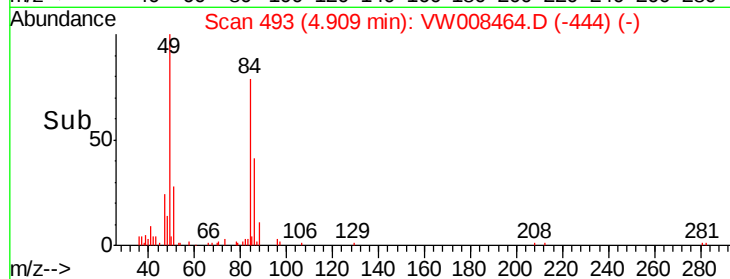
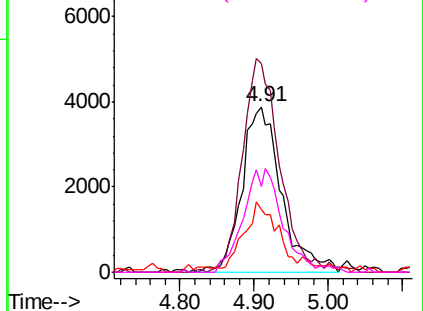
#20
Methylene Chloride
Concen: 4.304 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

Instrument :
MSVOA_W
ClientSampleId :
TP-3

Tgt Ion:	84	Resp:	14438
Ion	Ratio	Lower	Upper
84	100		
49	126.6	106.8	160.2
51	36.9	32.9	49.3
86	52.3	52.2	78.2

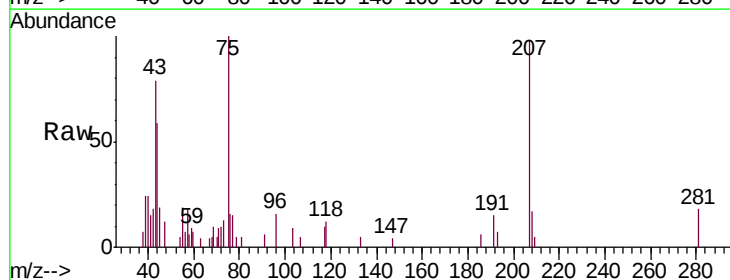


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

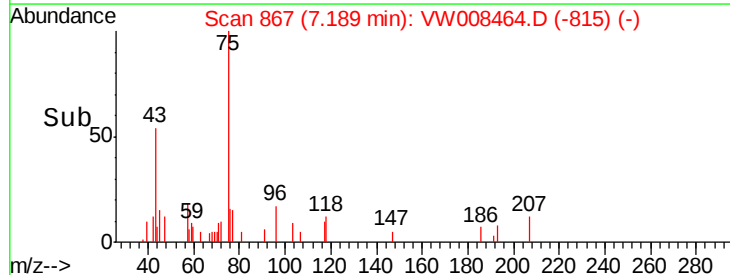
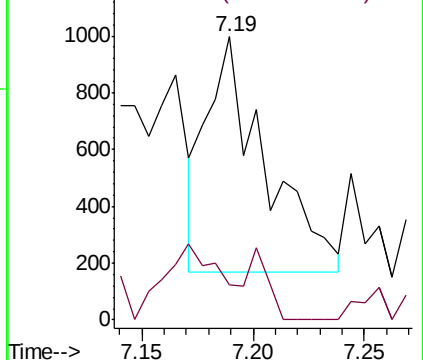


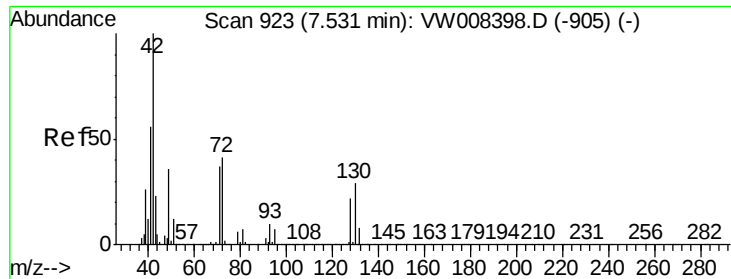
#25
2-Butanone
Concen: 1.474 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

Tgt Ion:	43	Resp:	1490
Ion	Ratio	Lower	Upper
43	100		
72	16.0	20.1	30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

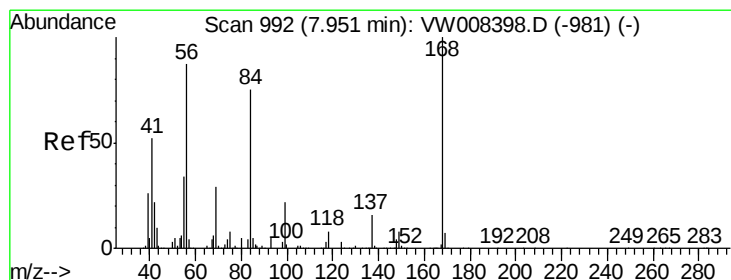
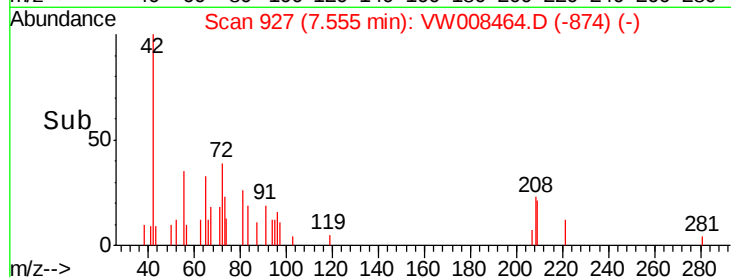
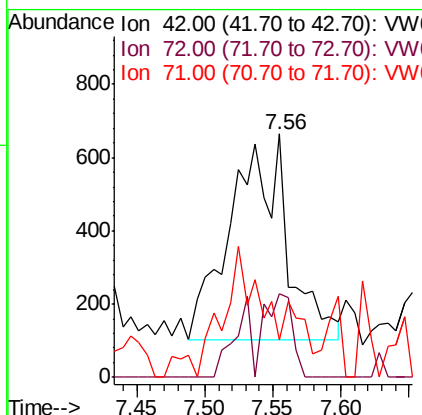
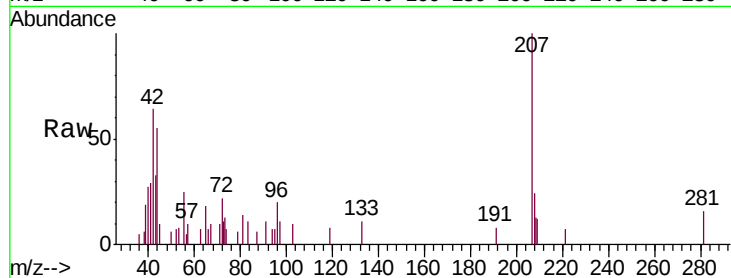




#29
Tetrahydrofuran
Concen: 2.486 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

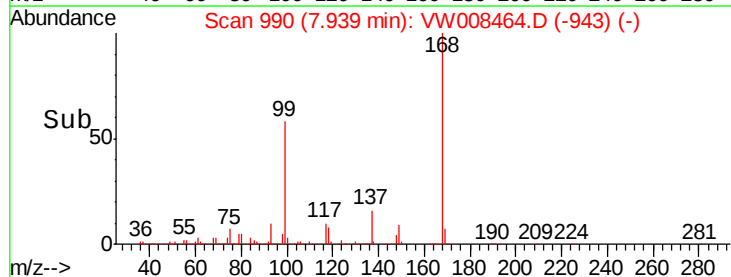
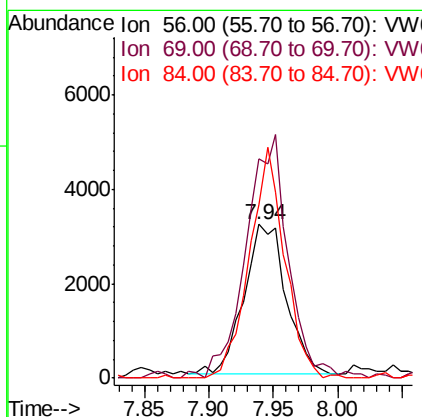
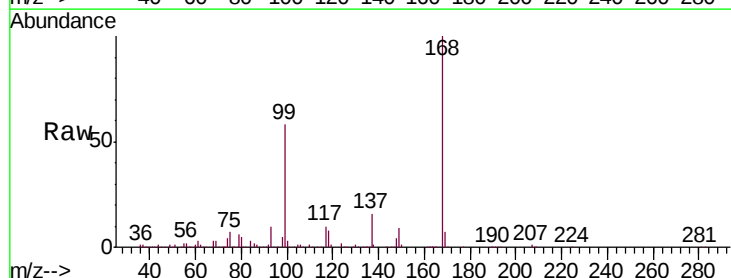
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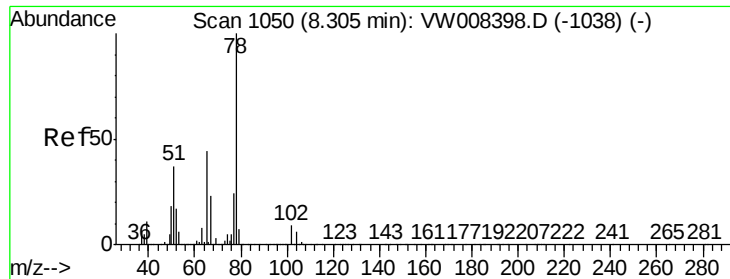
Tgt Ion: 42 Resp: 1593
Ion Ratio Lower Upper
42 100
72 20.3 31.9 47.9#
71 0.0 29.9 44.9#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

Tgt Ion: 56 Resp: 7264
Ion Ratio Lower Upper
56 100
69 143.9 26.4 39.6#
84 115.4 69.1 103.7#

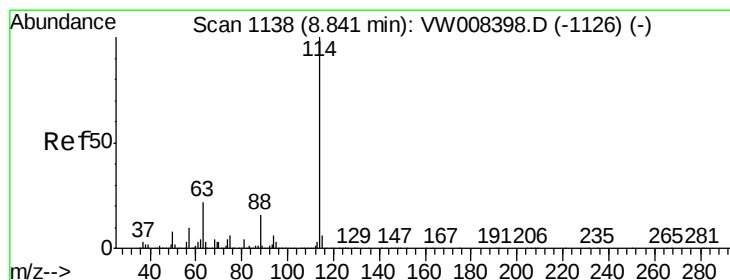
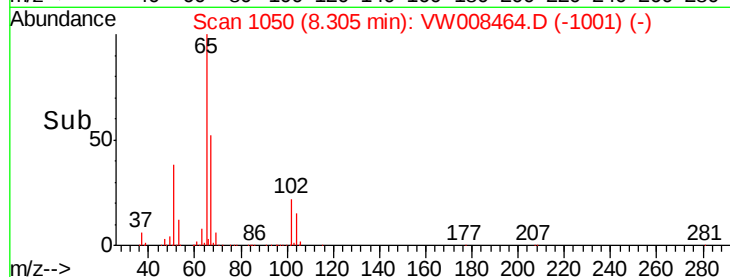
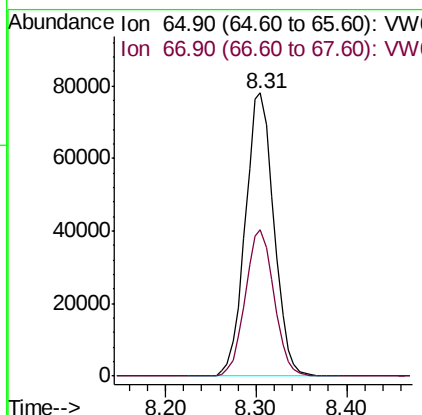
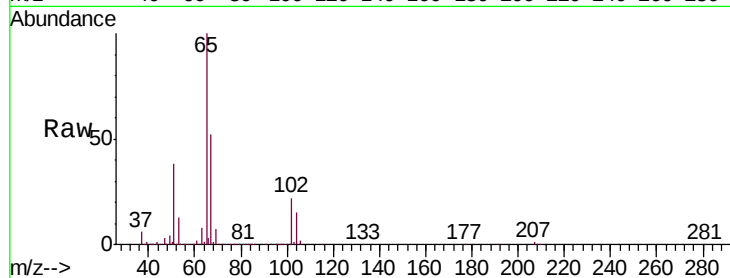




#33
 1,2-Dichloroethane-d4
 Concen: 52.520 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

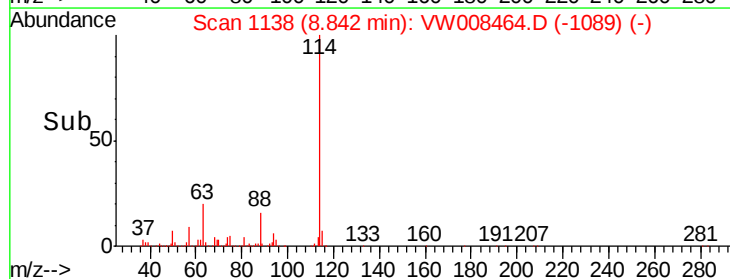
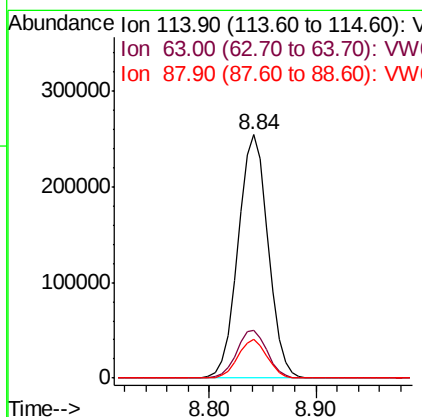
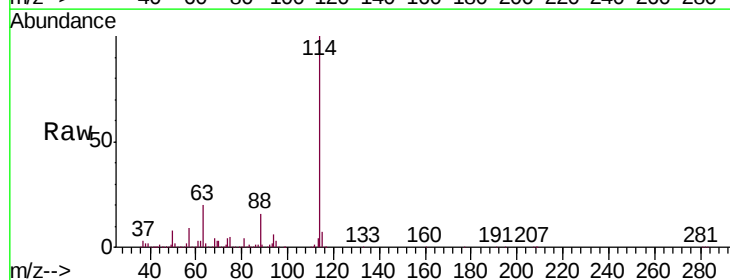
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

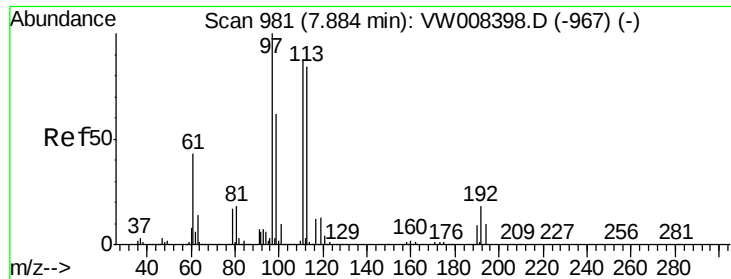
Tgt Ion: 65 Resp: 170236
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

Tgt Ion: 114 Resp: 503707
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.6
 88 15.8 0.0 31.8

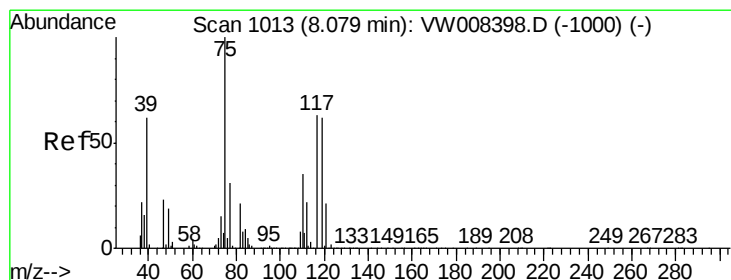
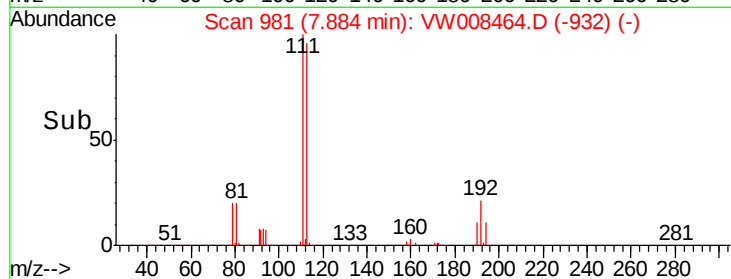
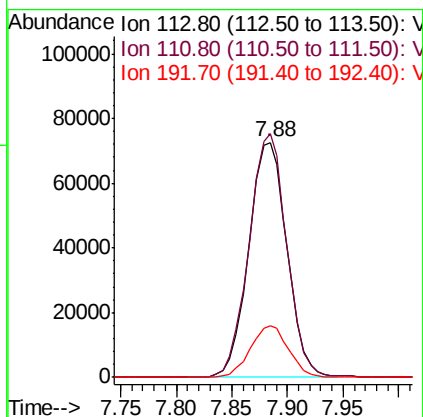
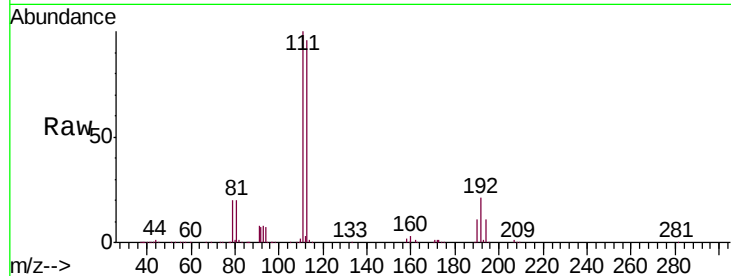




#35
 Dibromofluoromethane
 Concen: 58.934 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

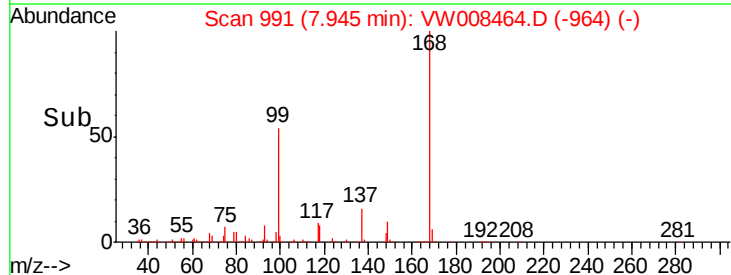
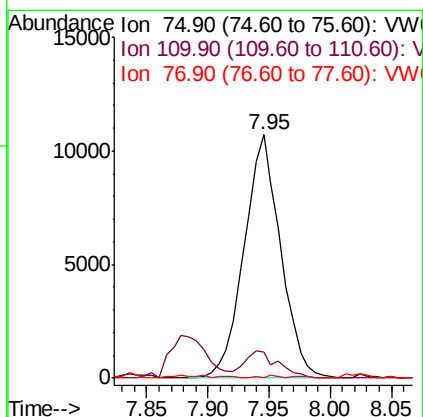
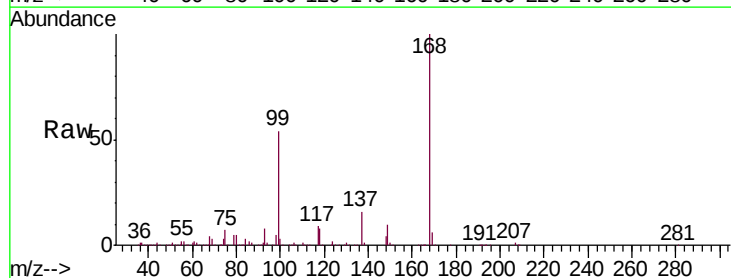
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3

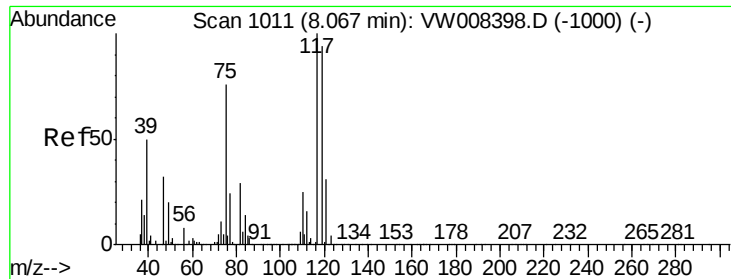
Tgt Ion:113 Resp: 173581
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.0 121.4
 192 21.8 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.670 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008464.D
 Acq: 30 Jan 2019 14:31

Tgt Ion: 75 Resp: 22219
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.3 52.0#
 77 0.5 24.7 37.1#

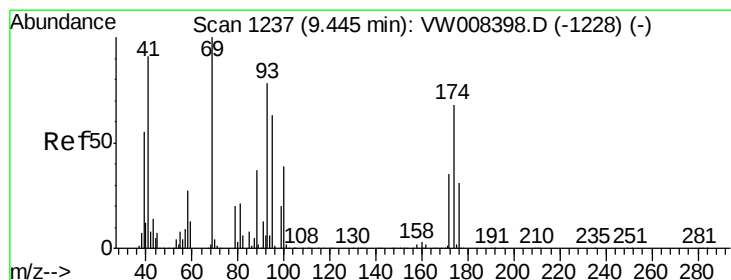
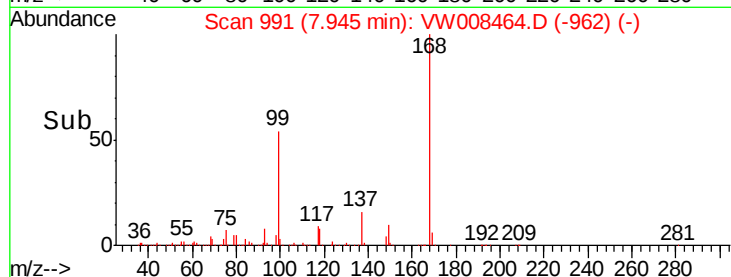
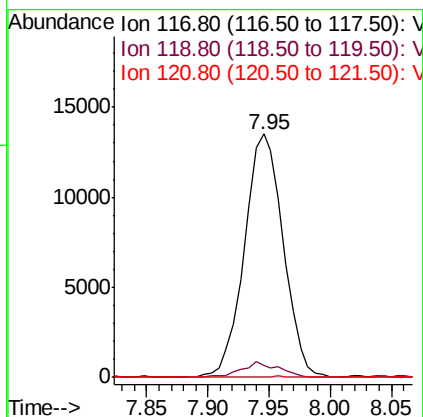
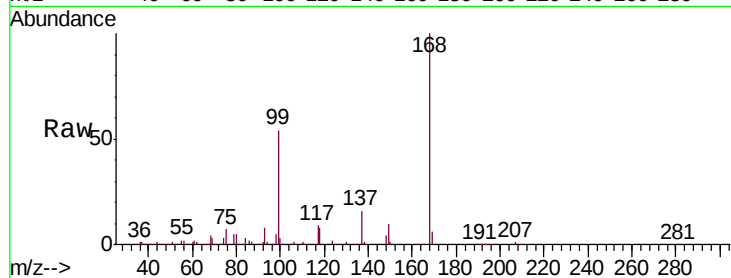




#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

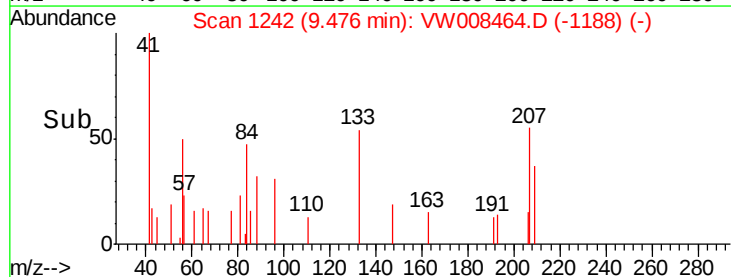
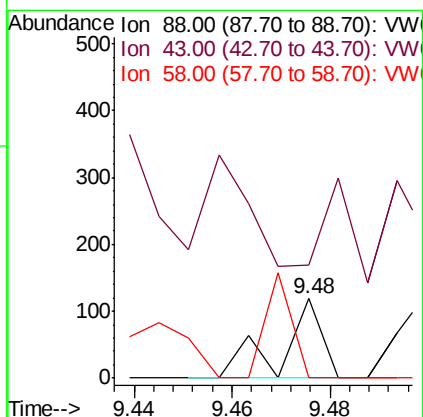
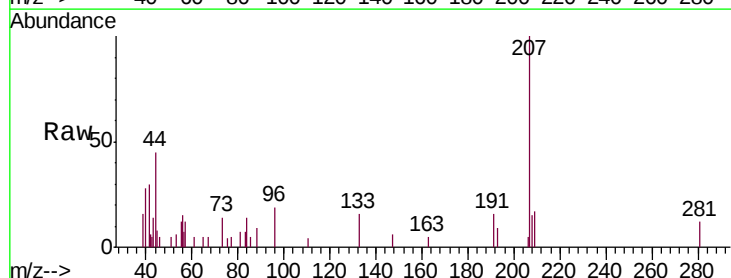
Instrument :
MSVOA_W
ClientSampled :
TP-3

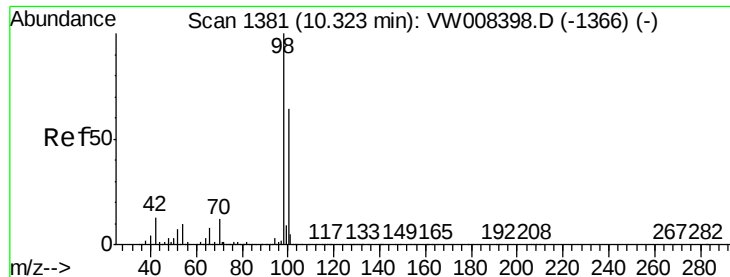
Tgt Ion:117 Resp: 29850
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 2.341 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW008464.D
Acq: 30 Jan 2019 14:31

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 85.1 29.0 43.4#
58 85.1 56.4 84.6#





#50

Toluene-d8

Concen: 46.574 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

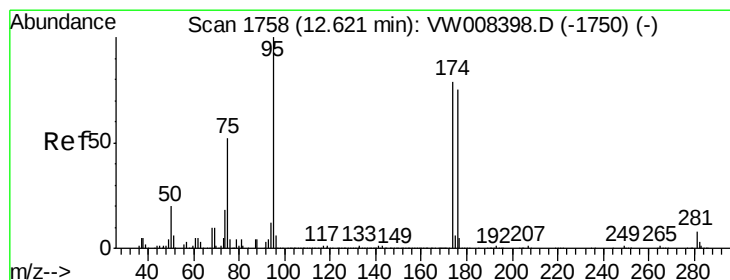
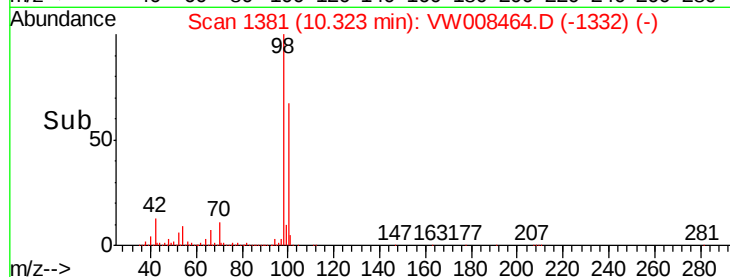
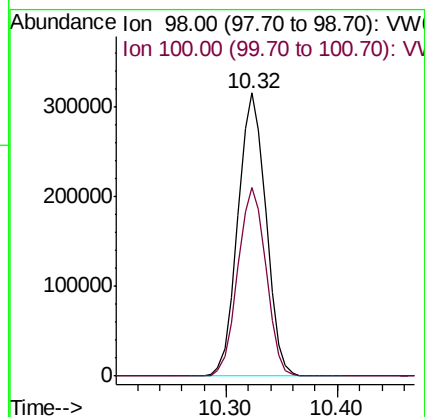
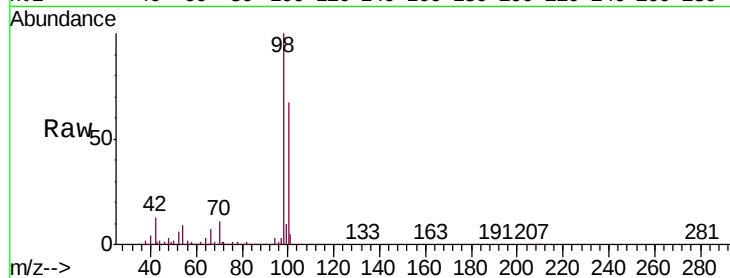
TP-3

Tgt Ion: 98 Resp: 550081

Ion Ratio Lower Upper

98 100

100 67.0 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 23.337 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

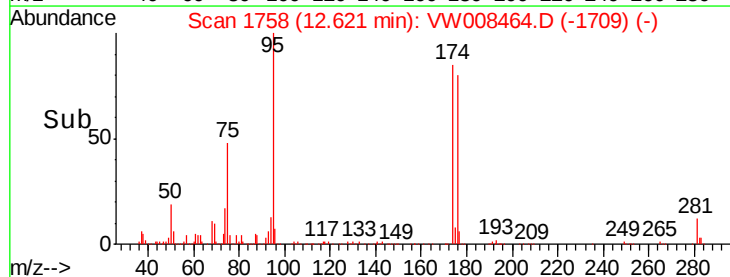
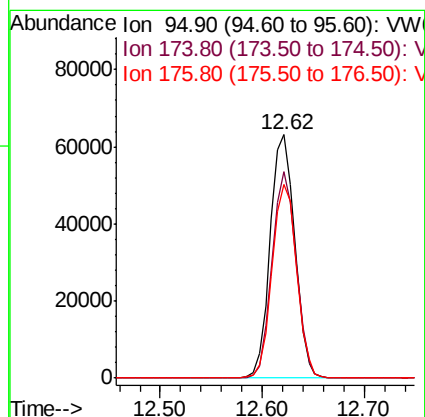
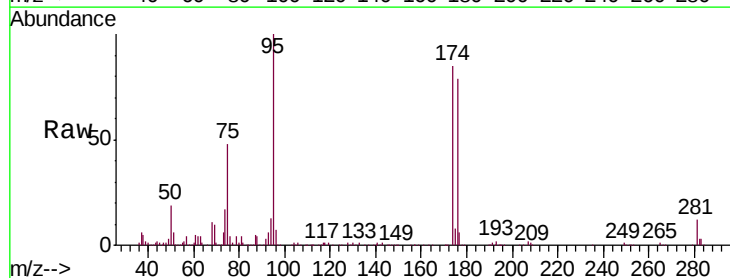
Tgt Ion: 95 Resp: 105947

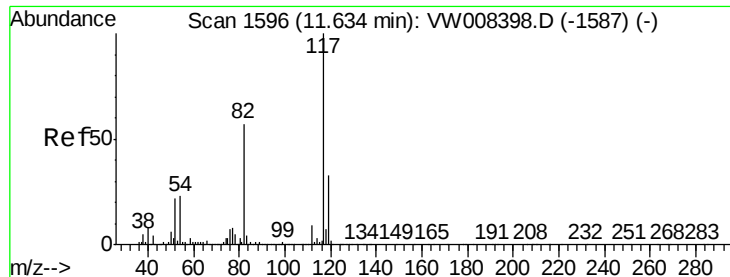
Ion Ratio Lower Upper

95 100

174 82.3 0.0 157.6

176 79.0 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: VW008464.D

Acq: 30 Jan 2019 14:31

Instrument :

MSVOA_W

ClientSampled :

TP-3

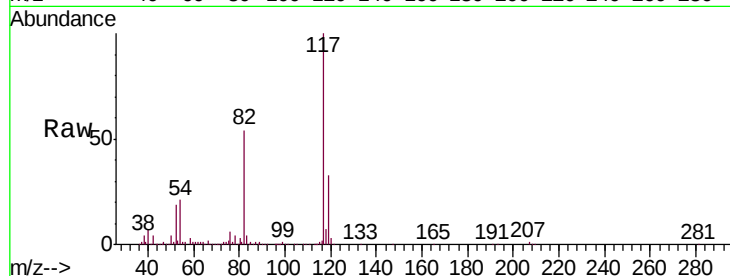
Tgt Ion:117 Resp: 310746

Ion Ratio Lower Upper

117 100

82 53.7 45.4 68.0

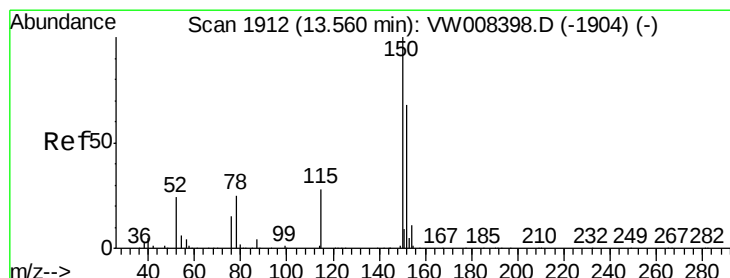
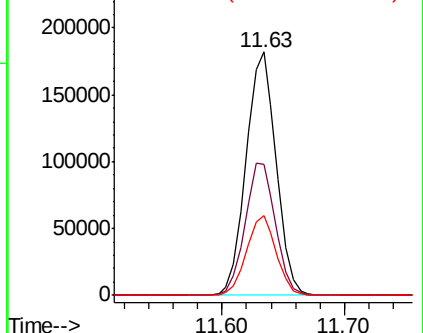
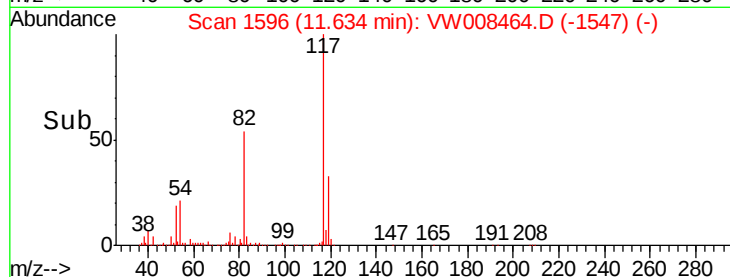
119 32.6 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

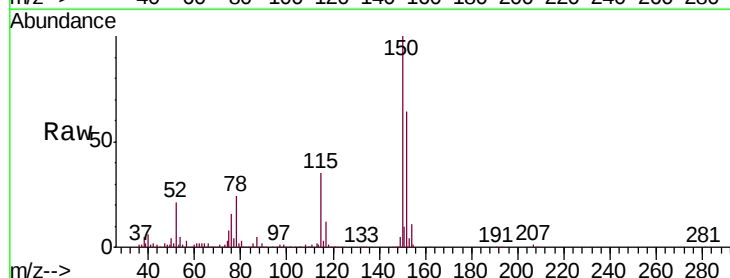
Tgt Ion:152 Resp: 71076

Ion Ratio Lower Upper

152 100

115 56.5 29.9 89.7

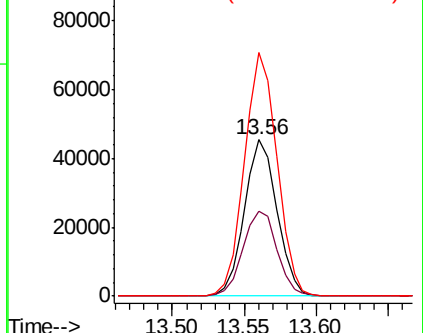
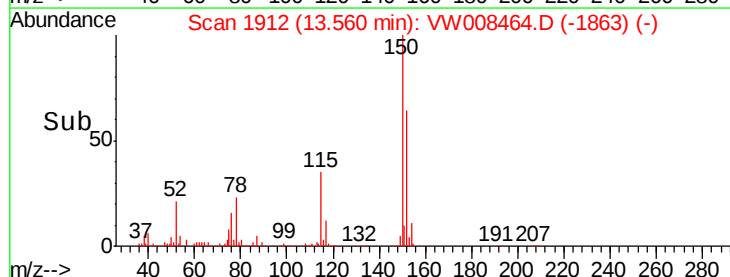
150 155.3 0.0 351.4

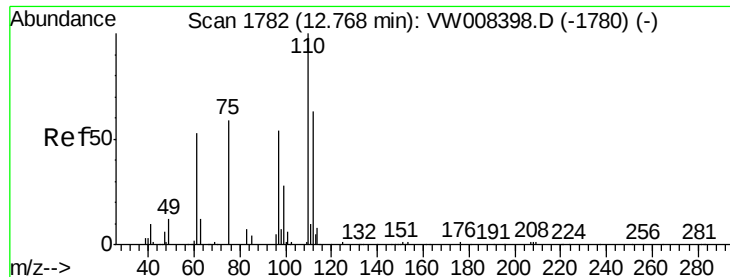


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 84.169 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

Instrument :

MSVOA_W

ClientSampleId :

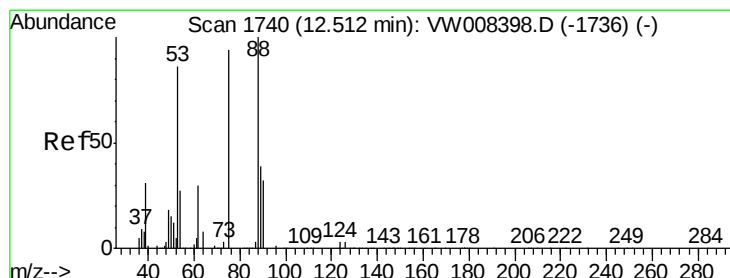
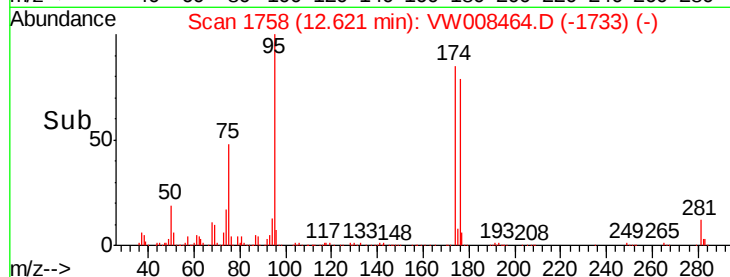
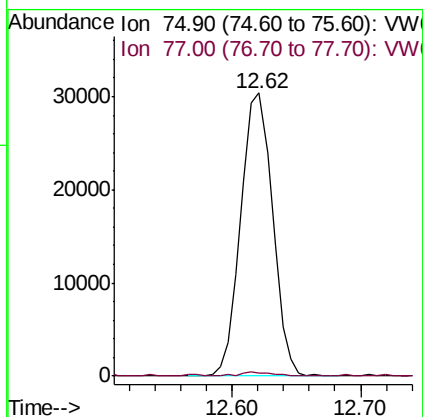
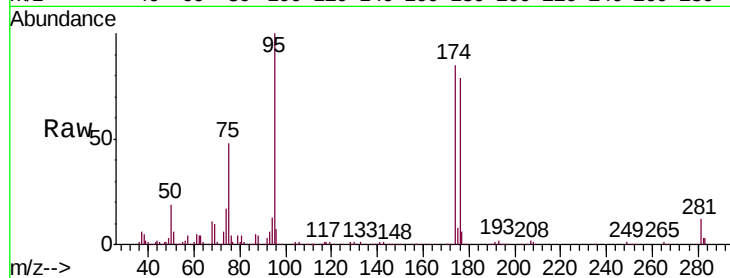
TP-3

Tgt Ion: 75 Resp: 52013

Ion Ratio Lower Upper

75 100

77 1.5 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 166.241 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008464.D

Acq: 30 Jan 2019 14:31

Tgt Ion: 75 Resp: 52013

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.1 35.4 53.0#

