

Data File : VW008540.D
Acq On : 06 Feb 2019 20:48
Operator : SY/VA
Sample : K1389-15
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
M-5-D

Quant Time: Feb 07 01:52:28 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	512952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	819836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	765551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	392963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	276011	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.88	113	261774	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	10.32	98	980266	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	374122	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

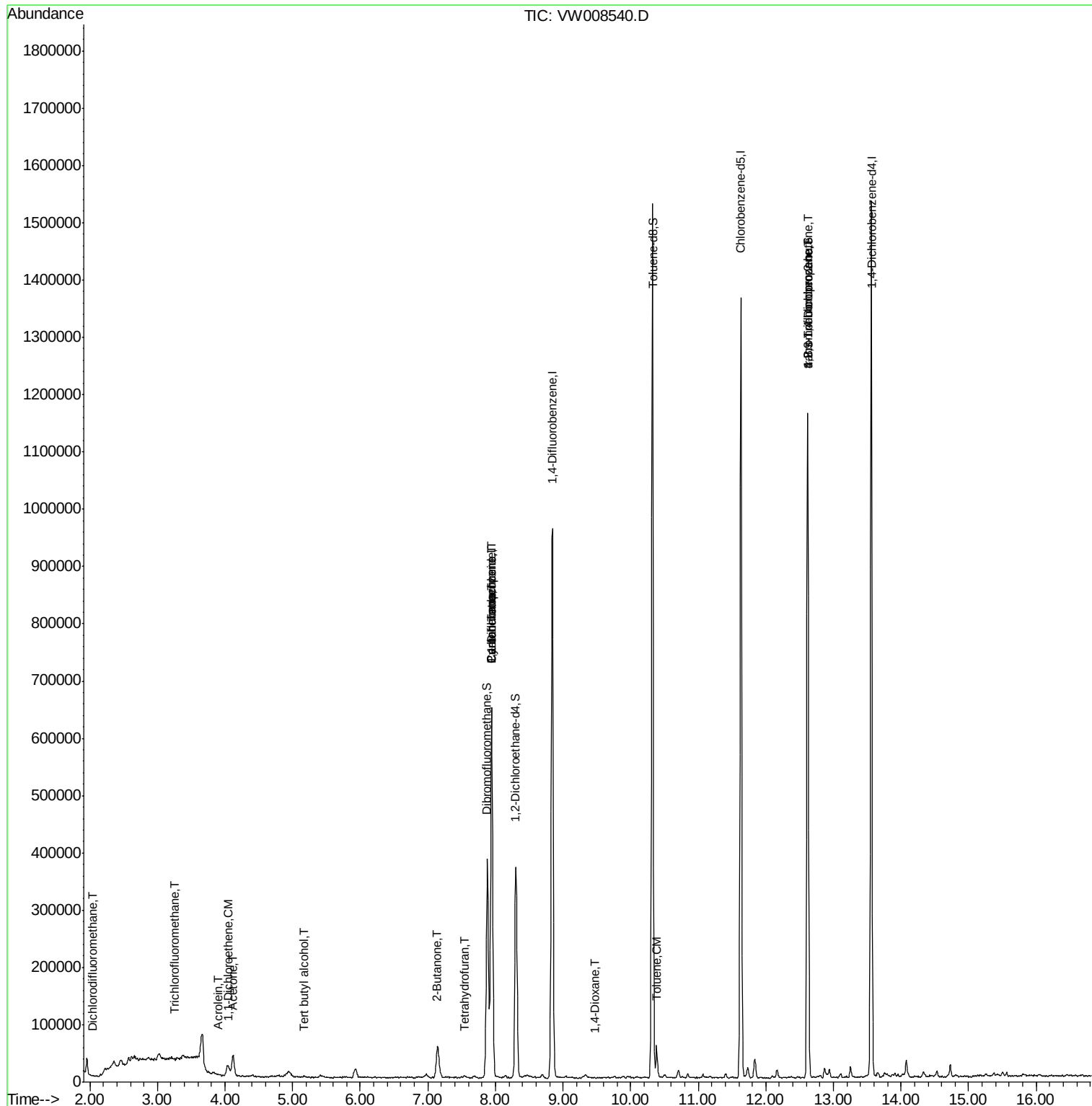
						Qvalue
2) Dichlorodifluoromethane	2.03	85	205	3.317	ug/l #	41
7) Trichlorofluoromethane	3.25	101	85	4.741	ug/l #	57
11) Tert butyl alcohol	5.16	59	2284	5.630	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	14900	3.173	ug/l #	77
13) Acrolein	3.89	56	114	4.498	ug/l #	14
16) Acetone	4.12	43	64987	57.427	ug/l	99
25) 2-Butanone	7.15	43	2750	1.750	ug/l	95
29) Tetrahydrofuran	7.55	42	3382	3.395	ug/l #	87
31) Cyclohexane	7.94	56	12357	1.249	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	37235	4.808	ug/l #	51
38) Carbon Tetrachloride	7.95	117	48797	6.262	ug/l #	17
49) 1,4-Dioxane	9.48	88	155	3.327	ug/l #	14
52) Toluene	10.38	92	22951	1.618	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	190774	55.838	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	190774	110.285	ug/l #	12

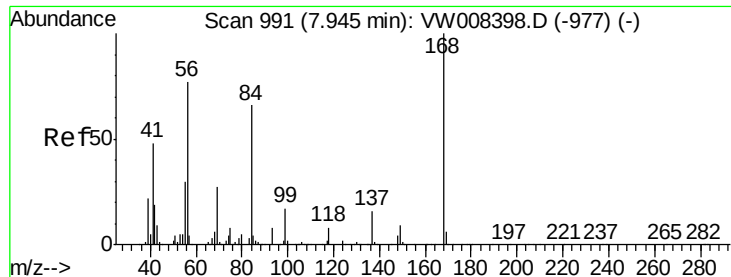
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008540.D

Acq: 06 Feb 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

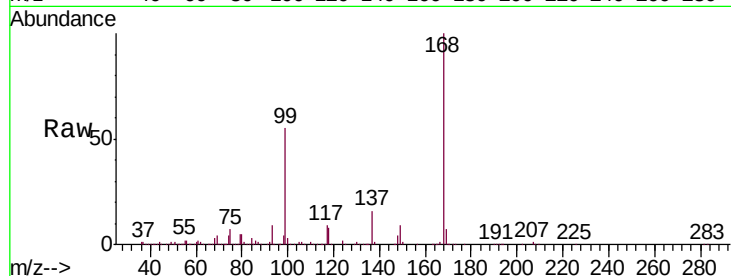
M-5-D

Tgt Ion:168 Resp: 512952

Ion Ratio Lower Upper

168 100

99 54.9 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

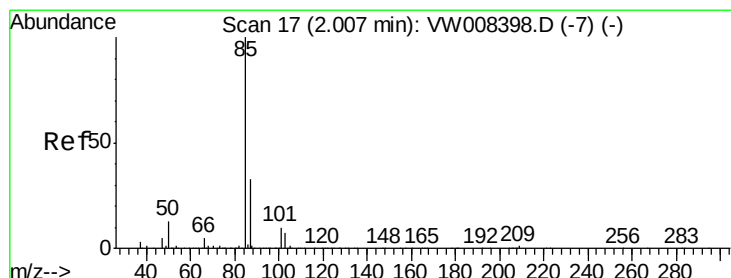
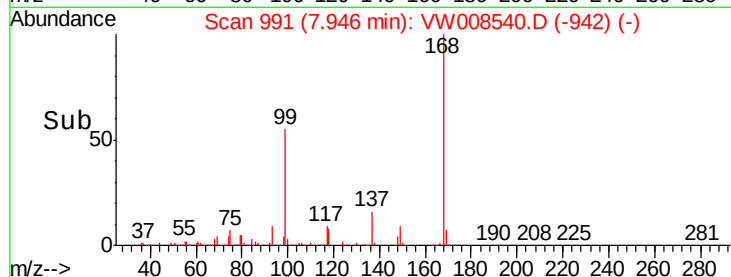
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.317 ug/l

RT: 2.03 min Scan# 21

Delta R.T. 0.02 min

Lab File: VW008540.D

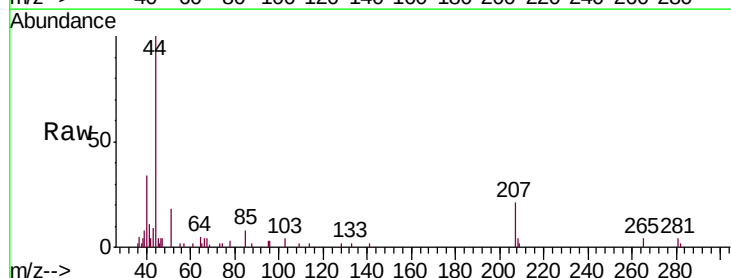
Acq: 06 Feb 2019 20:48

Tgt Ion: 85 Resp: 205

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

2.03

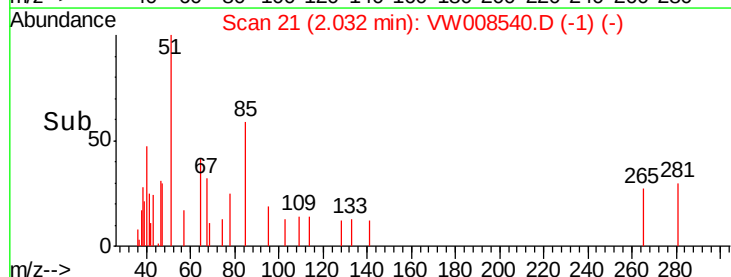
300

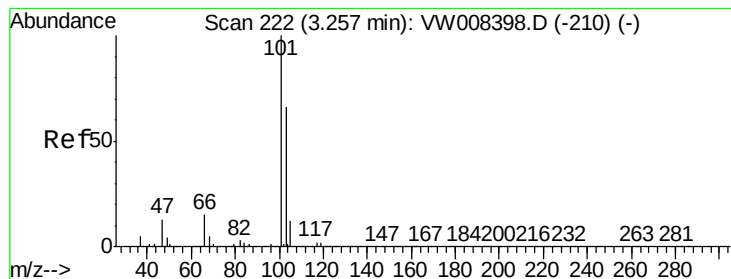
200

100

0

Time-->



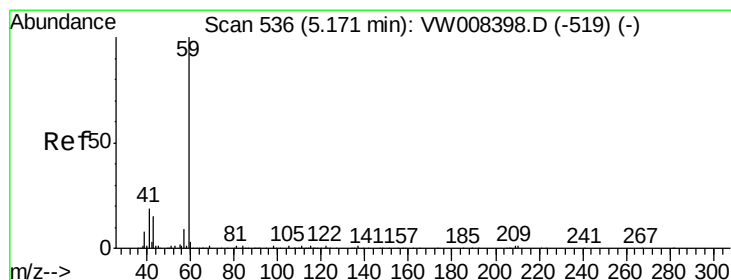
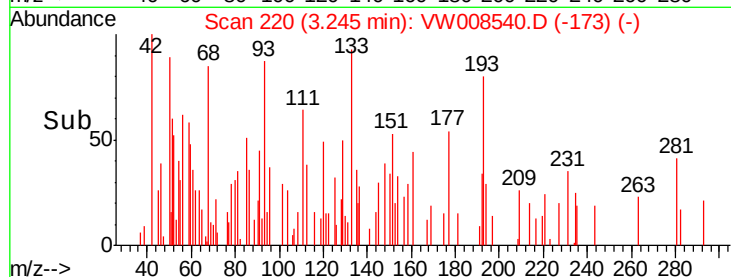
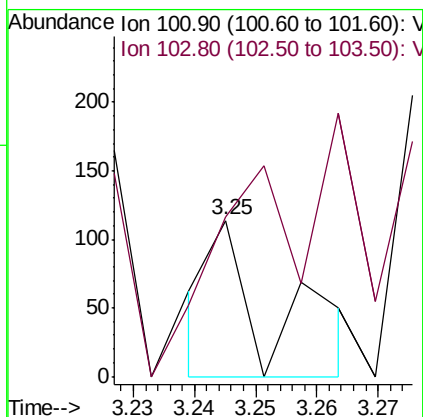
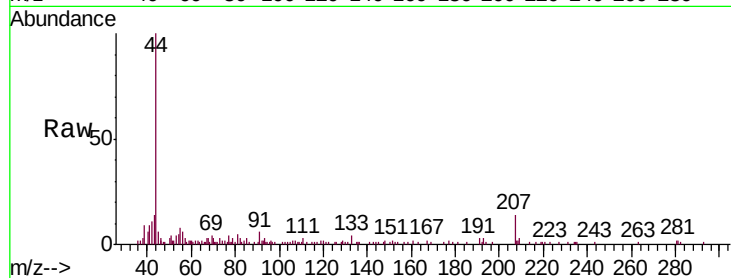


#7

Trichlorofluoromethane
Concen: 4.741 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Instrument :
MSVOA_W
ClientSampled :
M-5-D

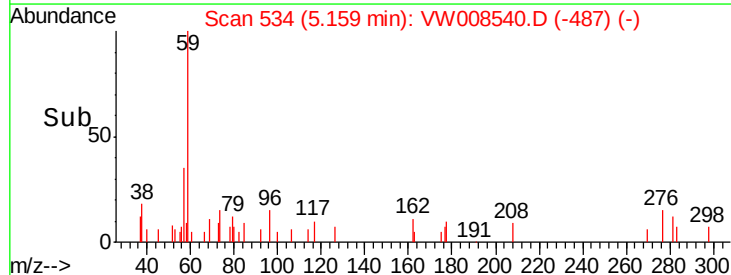
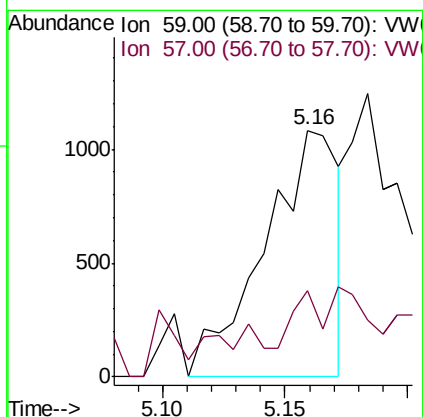
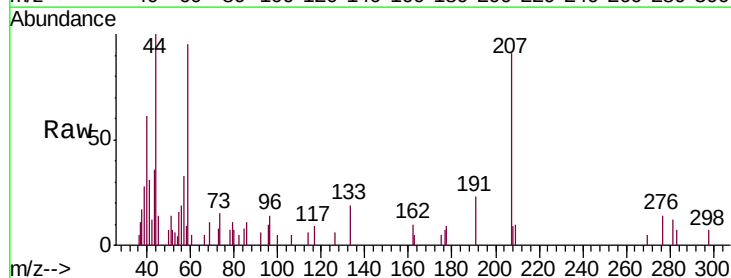
Tgt Ion:101 Resp: 85
Ion Ratio Lower Upper
101 100
103 100.0 52.5 78.7#

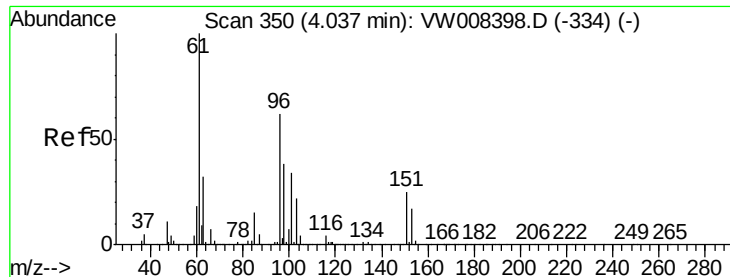


#11

Tert butyl alcohol
Concen: 5.630 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion: 59 Resp: 2284
Ion Ratio Lower Upper
59 100
57 8.1 9.3 13.9#





#12

1,1-Dichloroethene

Concen: 3.173 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW008540.D

Acq: 06 Feb 2019 20:48

Instrument :

MSVOA_W

ClientSampled :

M-5-D

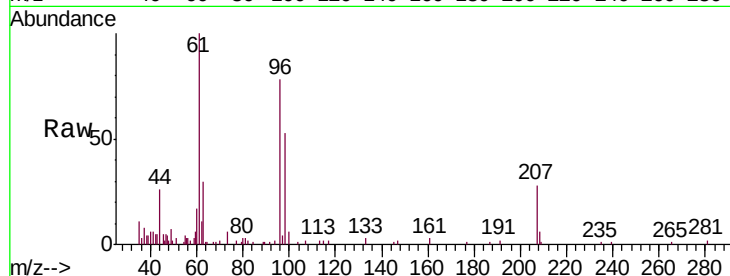
Tgt Ion: 96 Resp: 14900

Ion Ratio Lower Upper

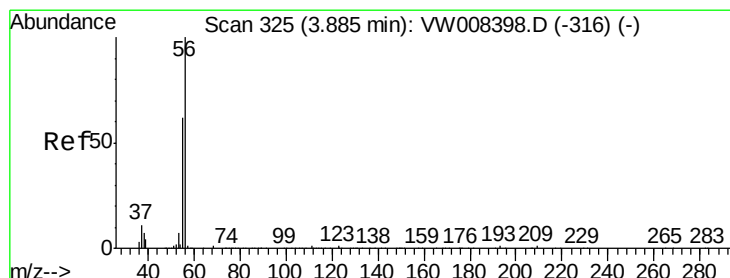
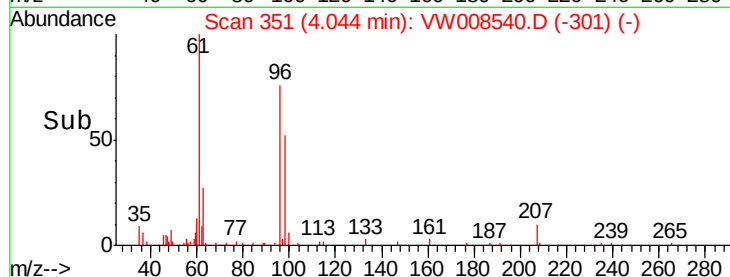
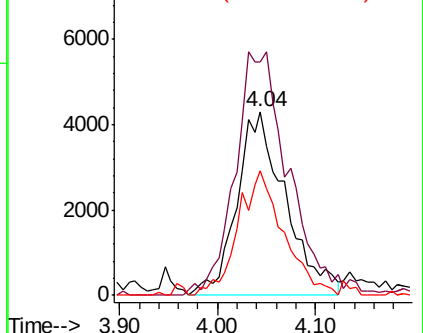
96 100

61 124.5 129.5 194.3#

98 67.9 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#13

Acrolein

Concen: 4.498 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008540.D

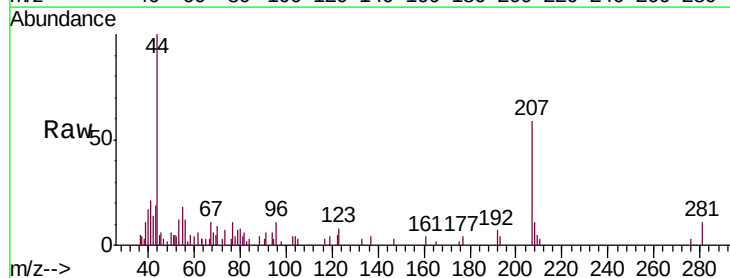
Acq: 06 Feb 2019 20:48

Tgt Ion: 56 Resp: 114

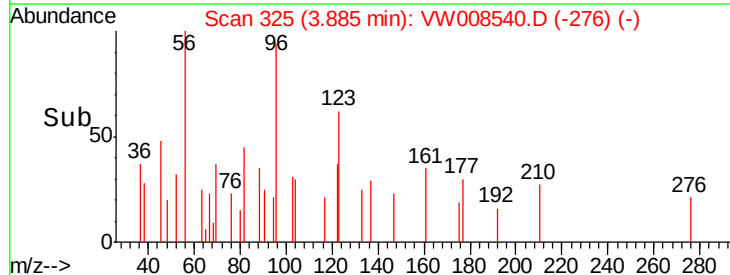
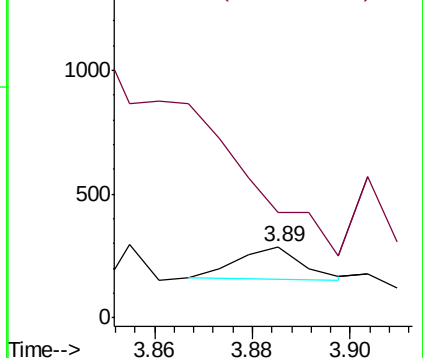
Ion Ratio Lower Upper

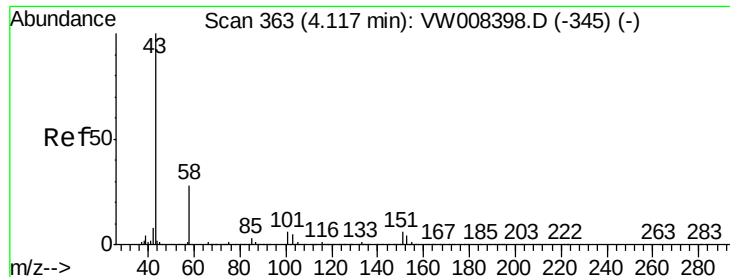
56 100

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

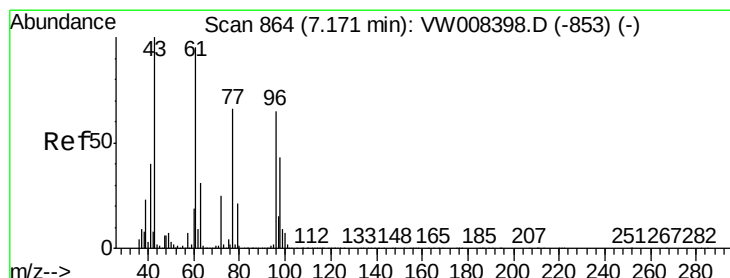
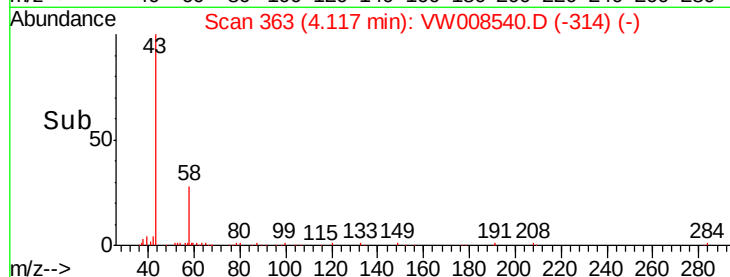
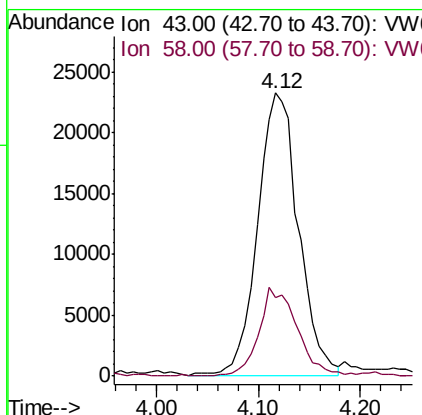
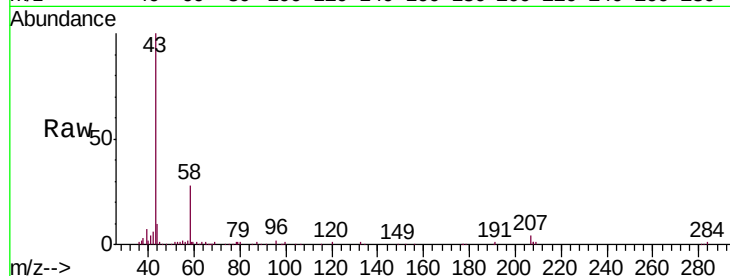




#16
Acetone
Concen: 57.427 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

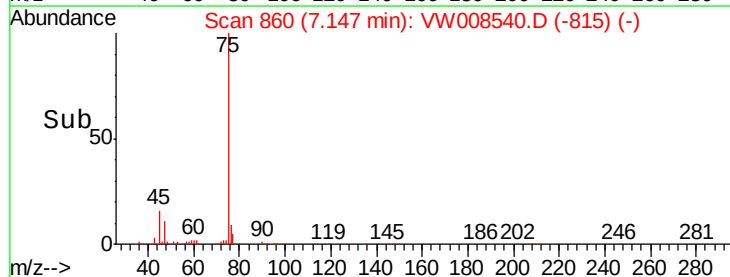
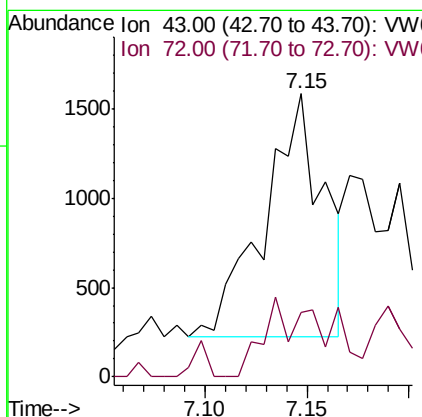
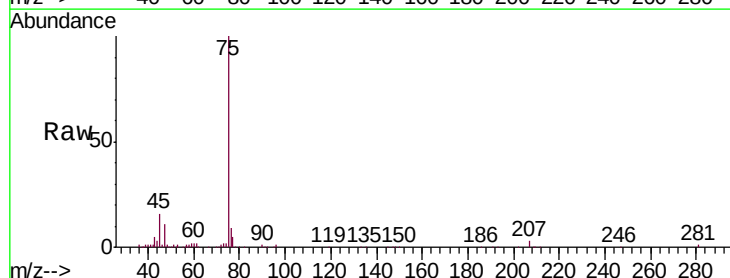
Instrument :
MSVOA_W
ClientSampled :
M-5-D

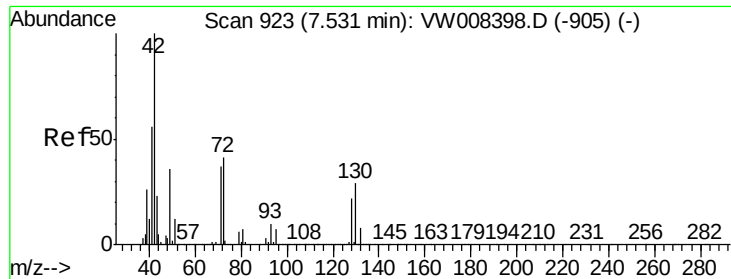
Tgt Ion: 43 Resp: 64987
Ion Ratio Lower Upper
43 100
58 27.9 22.6 34.0



#25
2-Butanone
Concen: 1.750 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
72 22.7 20.1 30.1

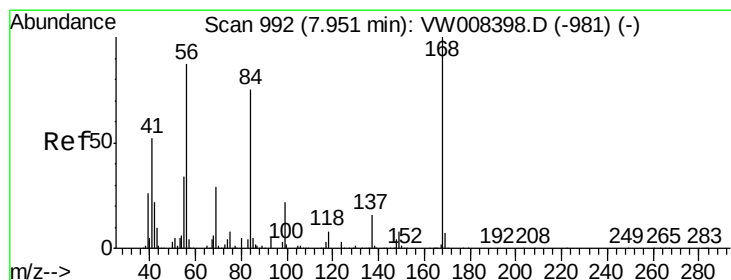
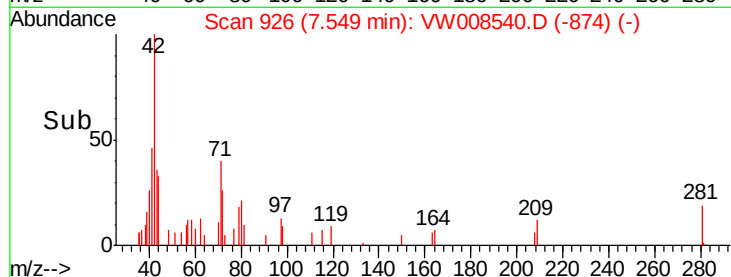
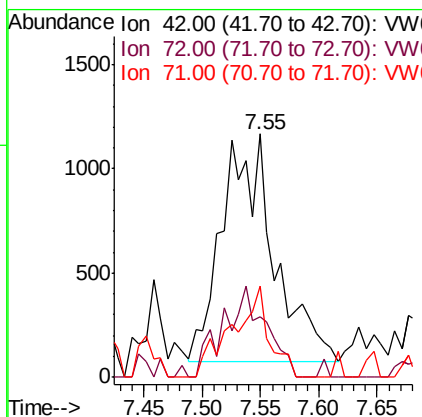
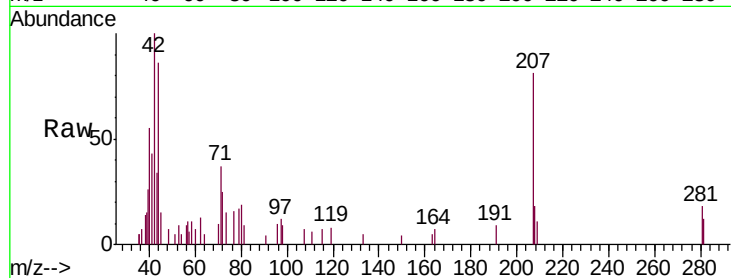




#29
Tetrahydrofuran
Concen: 3.395 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

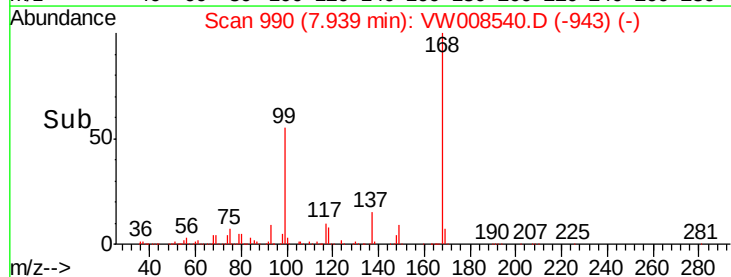
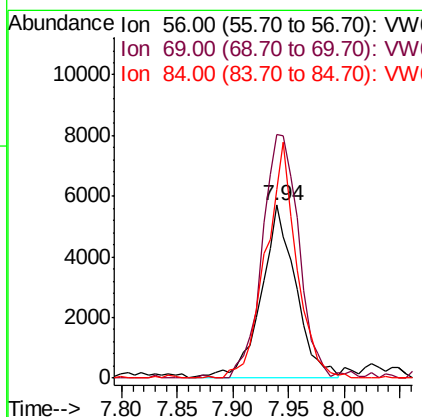
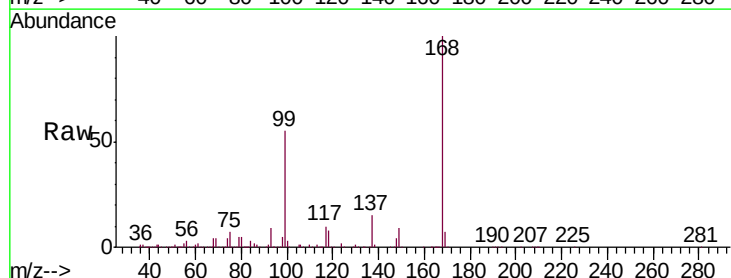
Instrument :
MSVOA_W
ClientSampleId :
M-5-D

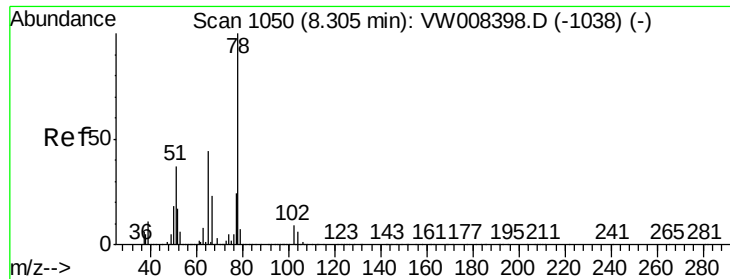
Tgt Ion	Ratio	Lower	Upper
42	100		
72	33.4	31.9	47.9
71	28.6	29.9	44.9#



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	142.0	26.4	39.6#
84	110.2	69.1	103.7#

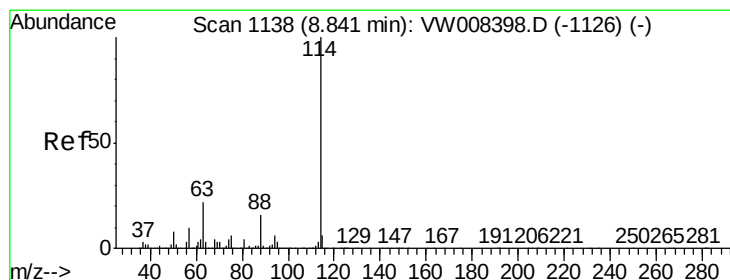
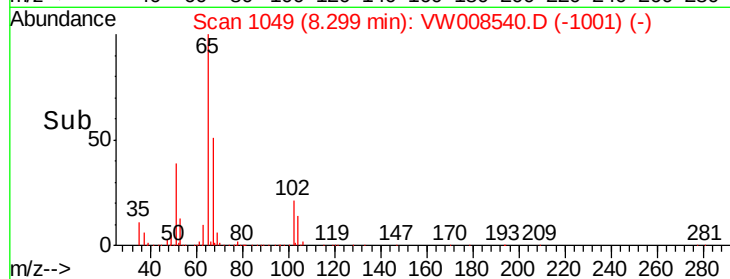
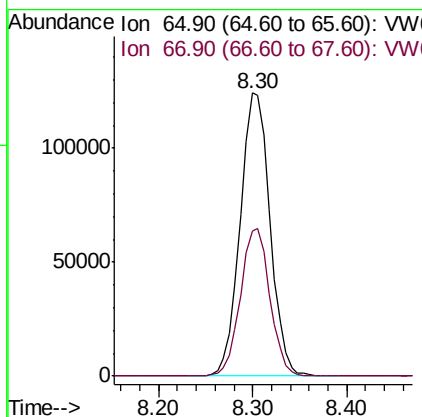
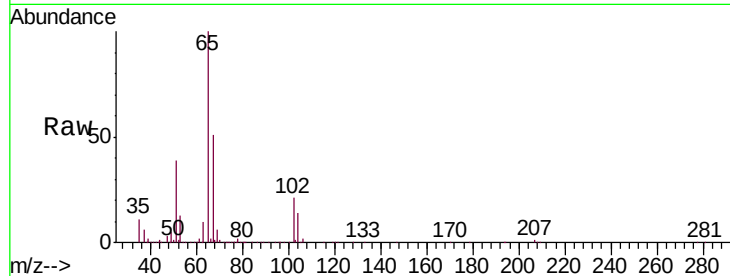




#33
 1,2-Dichloroethane-d4
 Concen: 54.772 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

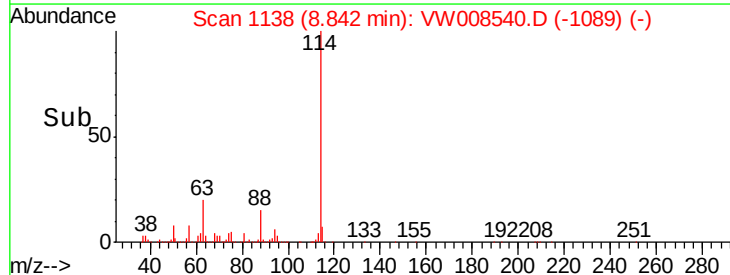
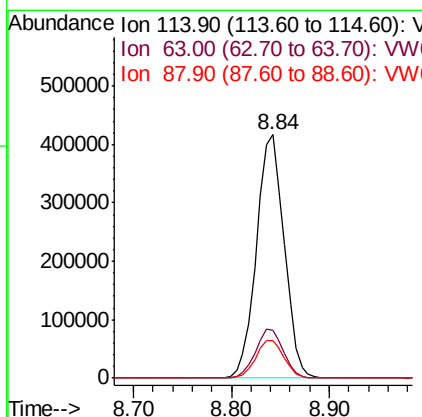
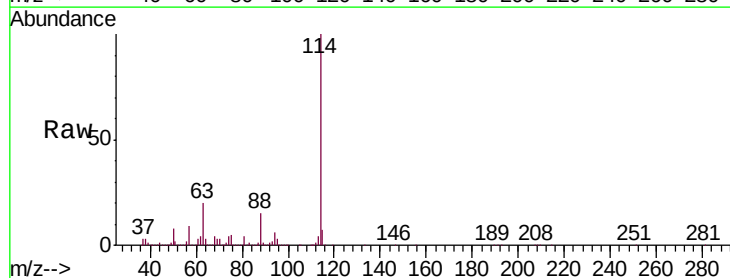
Instrument :
 MSVOA_W
 ClientSampled :
 M-5-D

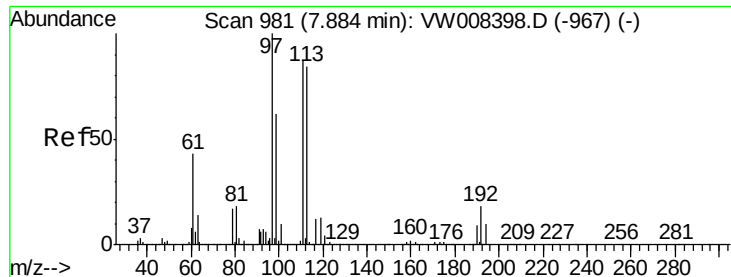
Tgt Ion: 65 Resp: 276011
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

Tgt Ion: 114 Resp: 819836
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 15.4 0.0 31.8

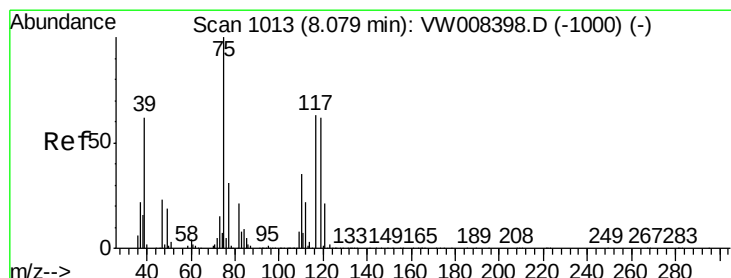
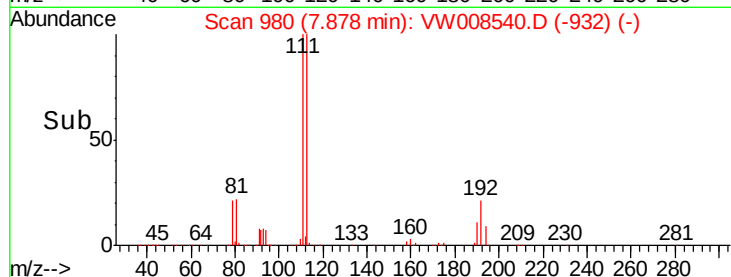
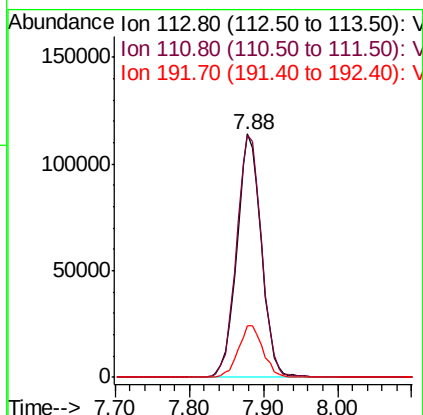
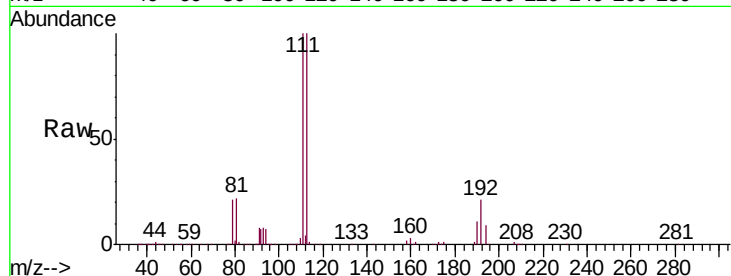




#35
 Dibromofluoromethane
 Concen: 54.606 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

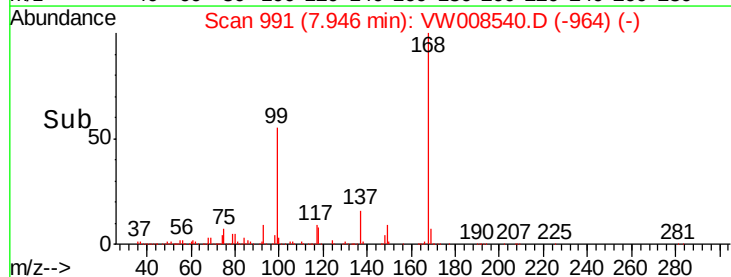
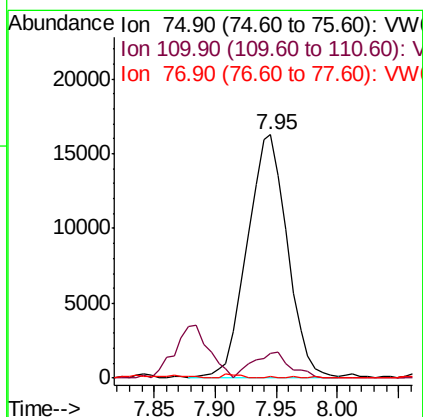
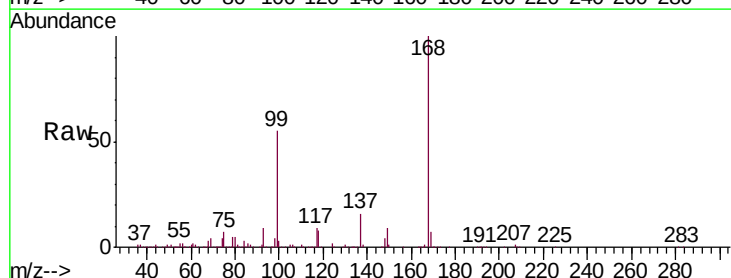
Instrument :
 MSVOA_W
 ClientSampled :
 M-5-D

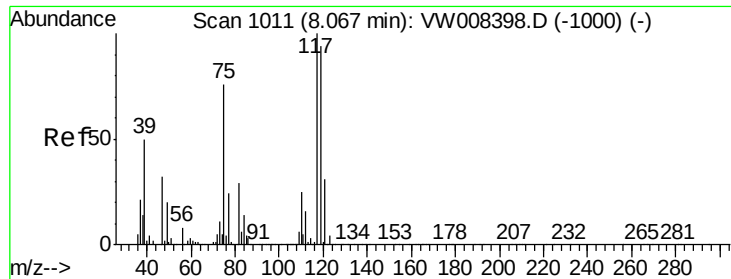
Tgt Ion:113 Resp: 261774
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.4
 192 21.6 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

Tgt Ion: 75 Resp: 37235
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.3 52.0#
 77 0.0 24.7 37.1#

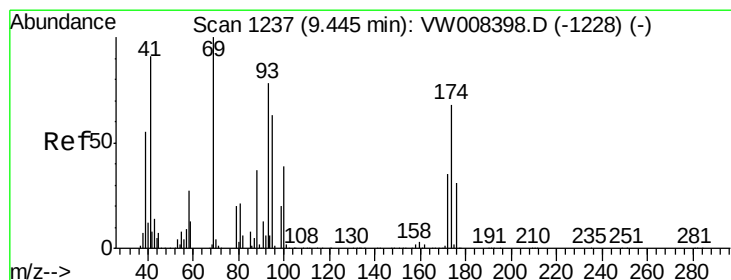
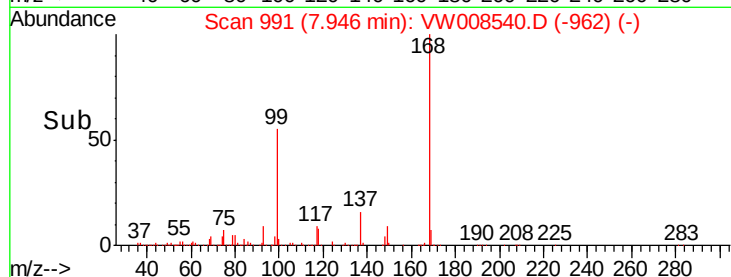
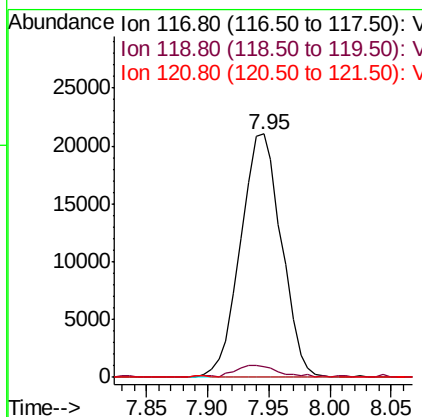
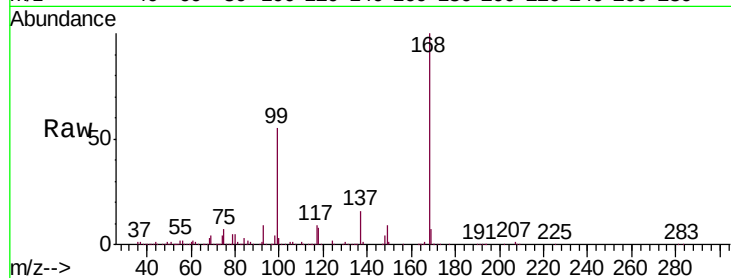




#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

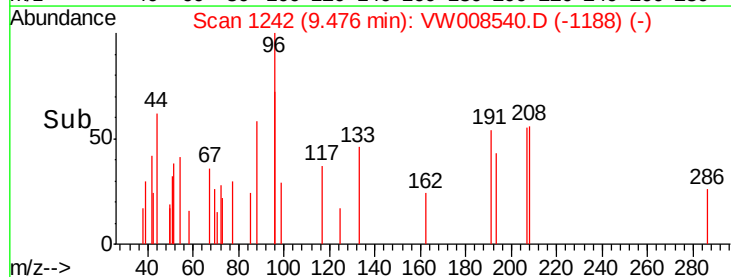
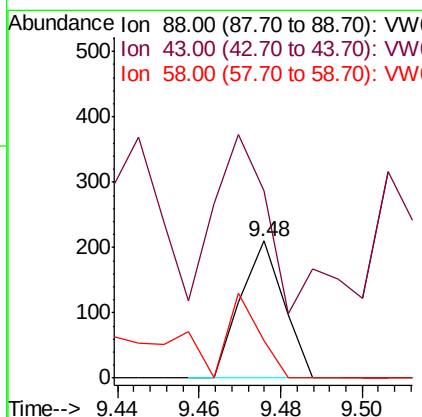
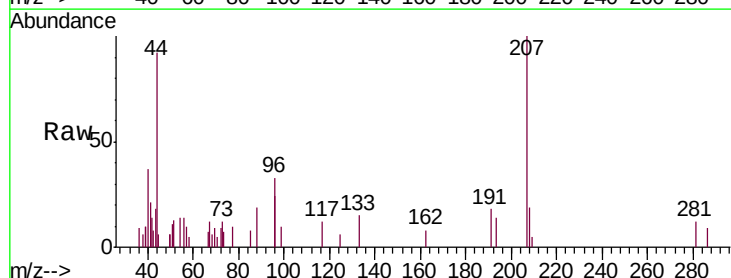
Instrument :
MSVOA_W
ClientSampled :
M-5-D

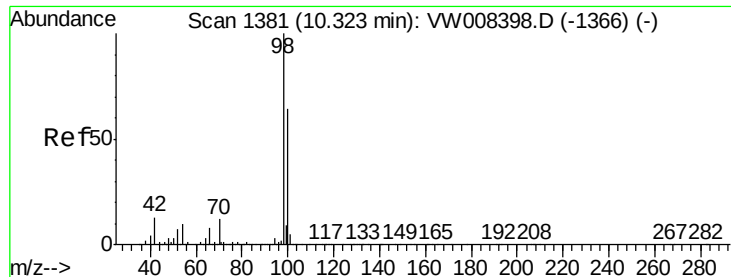
Tgt Ion: 117 Resp: 48797
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 3.327 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 148.4 29.0 43.4#
58 43.9 56.4 84.6#

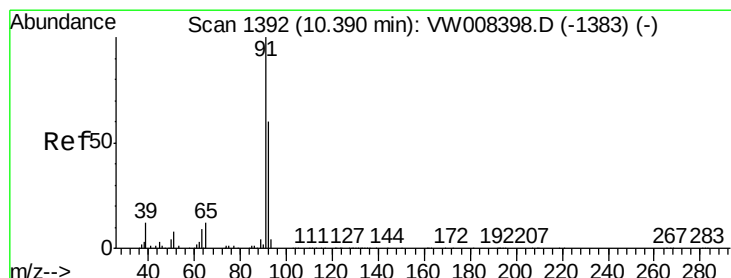
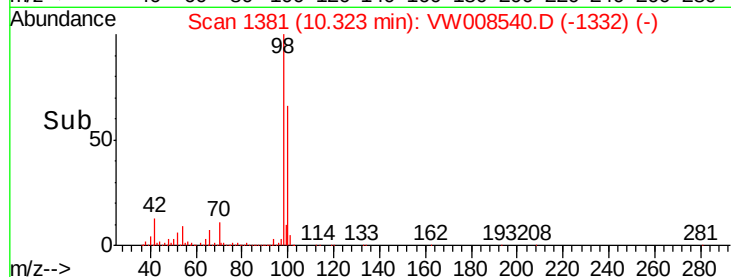
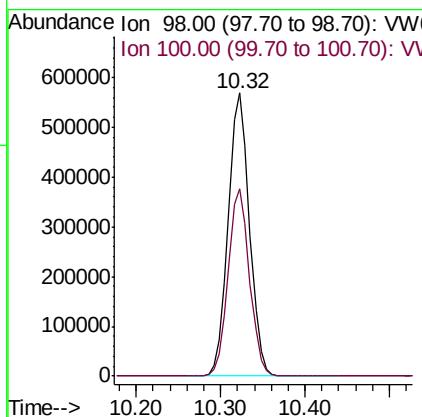
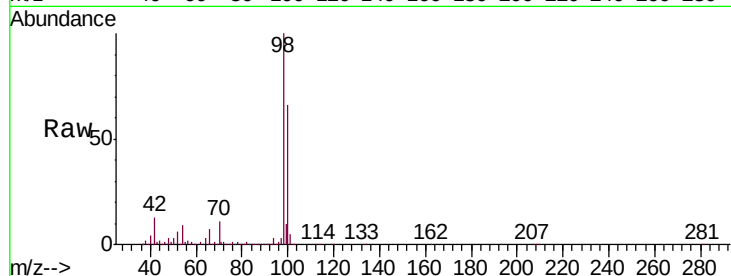




#50
Toluene-d8
Concen: 50.993 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

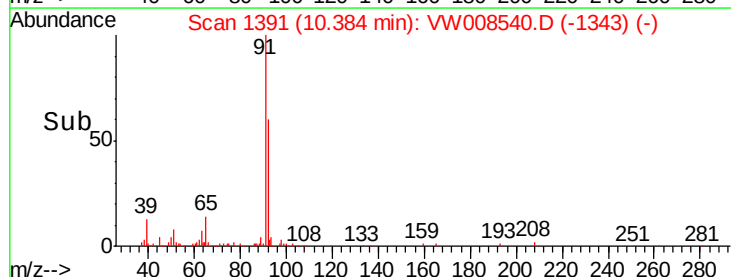
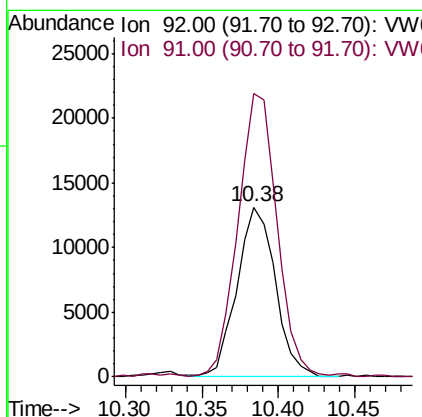
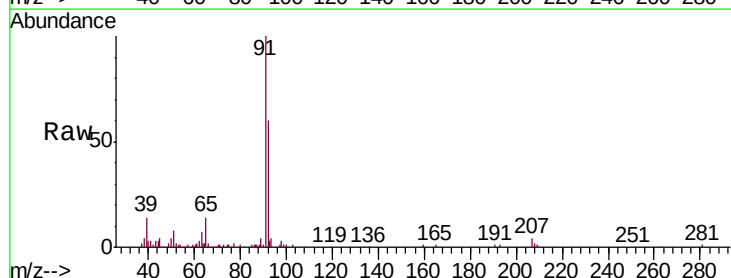
Instrument :
MSVOA_W
ClientSampleId :
M-5-D

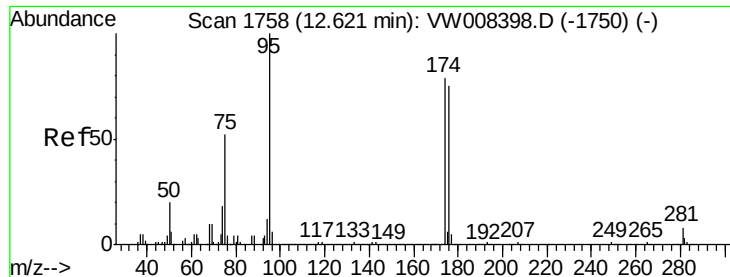
Tgt Ion: 98 Resp: 980266
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#52
Toluene
Concen: 1.618 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion: 92 Resp: 22951
Ion Ratio Lower Upper
92 100
91 170.2 135.5 203.3

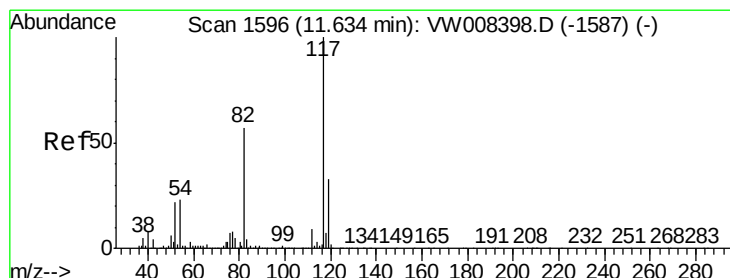
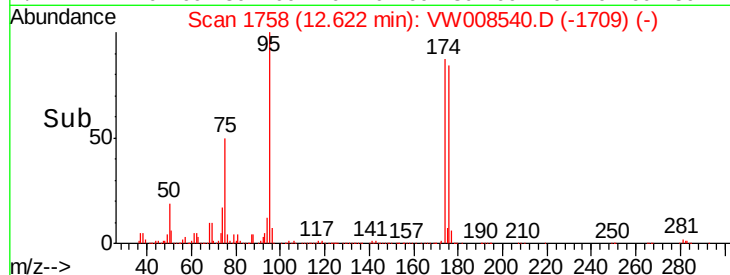
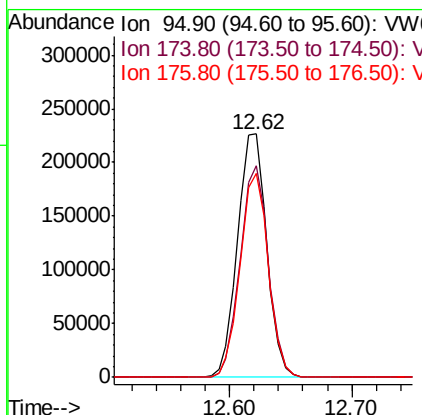
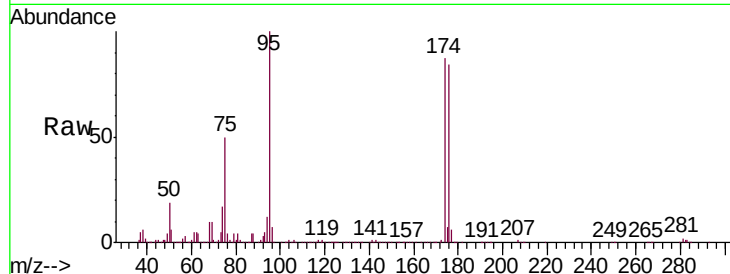




#62
4-Bromofluorobenzene
Concen: 50.631 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

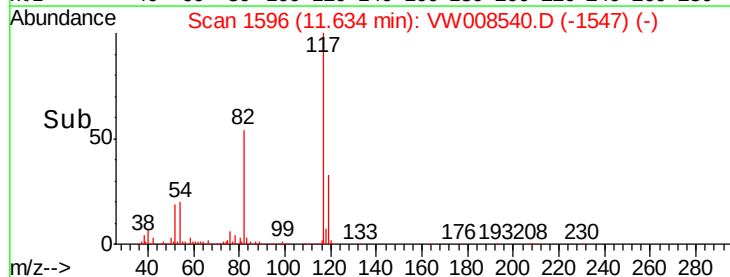
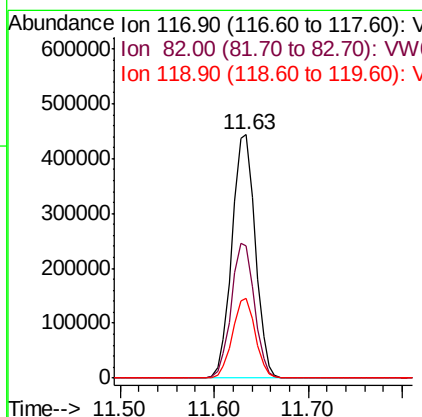
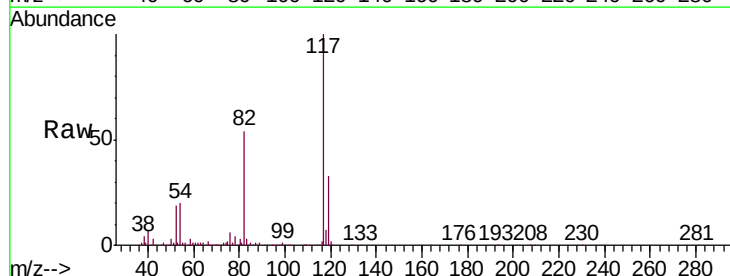
Instrument :
MSVOA_W
ClientSampleId :
M-5-D

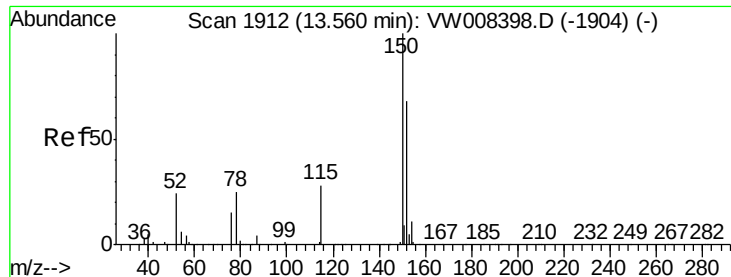
Tgt Ion: 95 Resp: 374122
Ion Ratio Lower Upper
95 100
174 84.1 0.0 157.6
176 81.3 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008540.D
Acq: 06 Feb 2019 20:48

Tgt Ion: 117 Resp: 765551
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 32.7 26.2 39.4

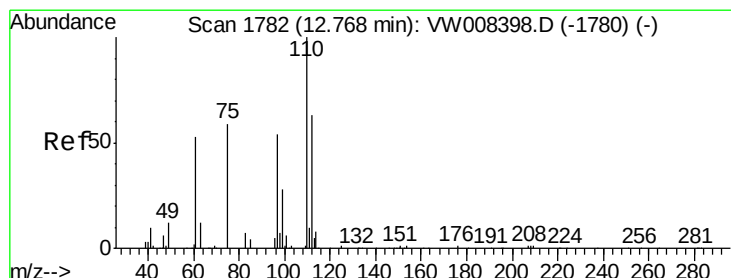
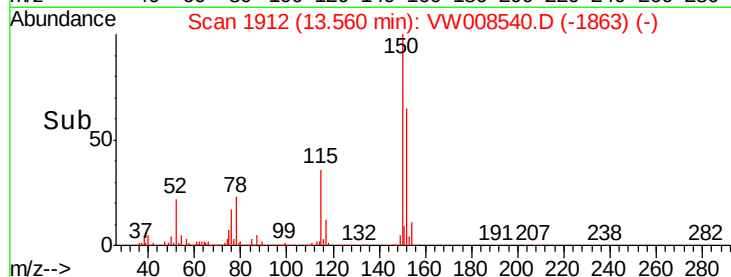
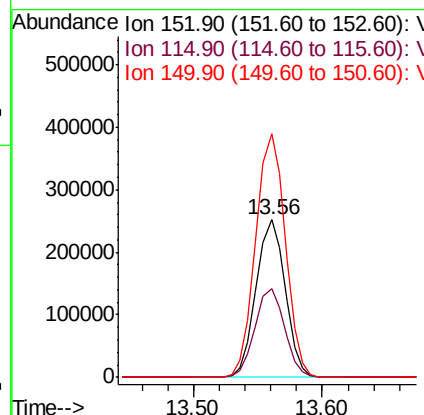
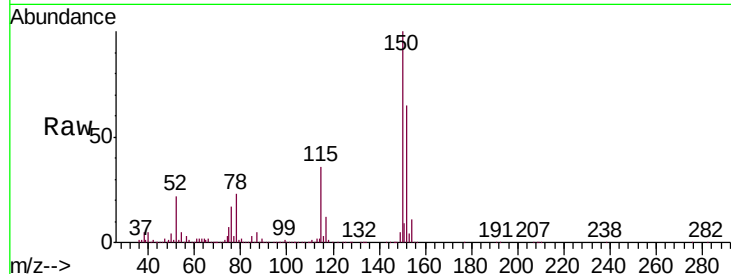




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

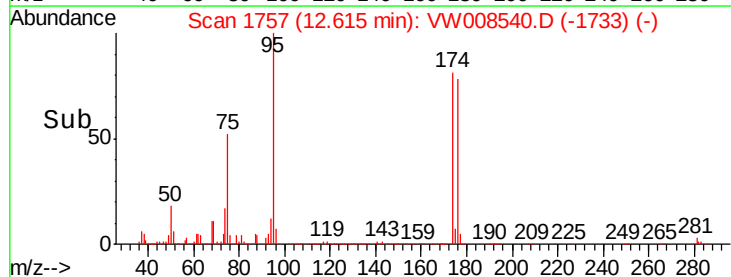
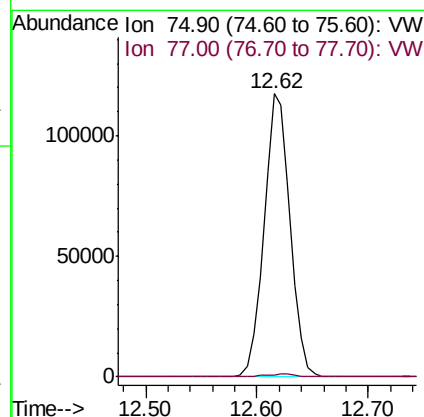
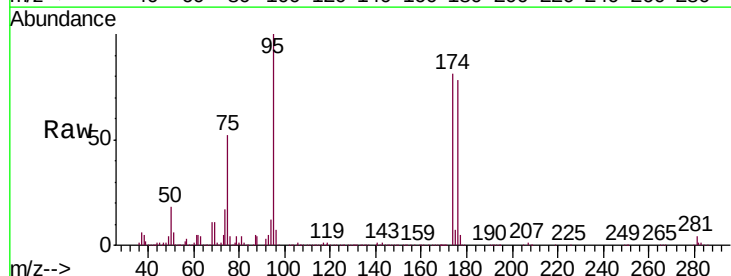
Instrument :
 MSVOA_W
 ClientSampled :
 M-5-D

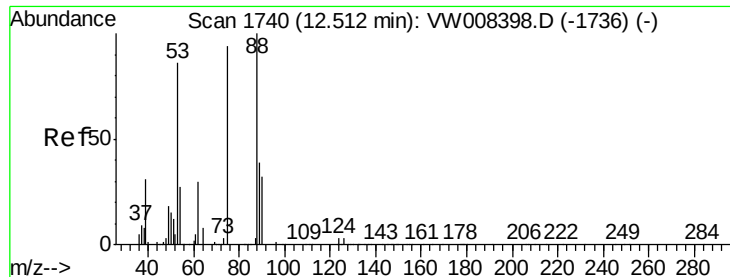
Tgt Ion: 152 Resp: 392963
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.9 89.7
 150 157.4 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 55.838 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW008540.D
 Acq: 06 Feb 2019 20:48

Tgt Ion: 75 Resp: 190774
 Ion Ratio Lower Upper
 75 100
 77 1.4 180.7 542.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.285 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008540.D

Acq: 06 Feb 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

M-5-D

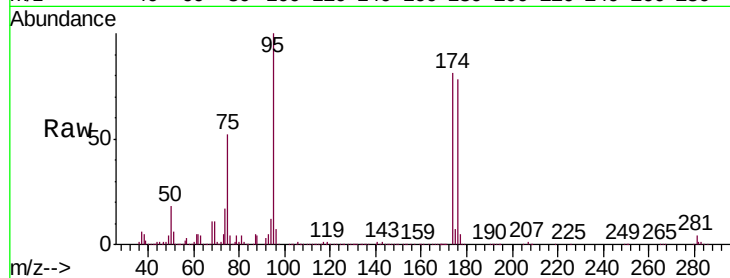
Tgt Ion: 75 Resp: 190774

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.0 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

