

Data File : VW008593.D
Acq On : 11 Feb 2019 13:21
Operator : SY/VA
Sample : K1404-08RE
Misc : 5.91G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A0C12-SS4-10.0-10.5RE

Quant Time: Feb 12 04:27:33 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	441125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	719908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	671879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	341933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	261977	60.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.90%	
35) Dibromofluoromethane	7.88	113	232705	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
50) Toluene-d8	10.32	98	860586	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	332717	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

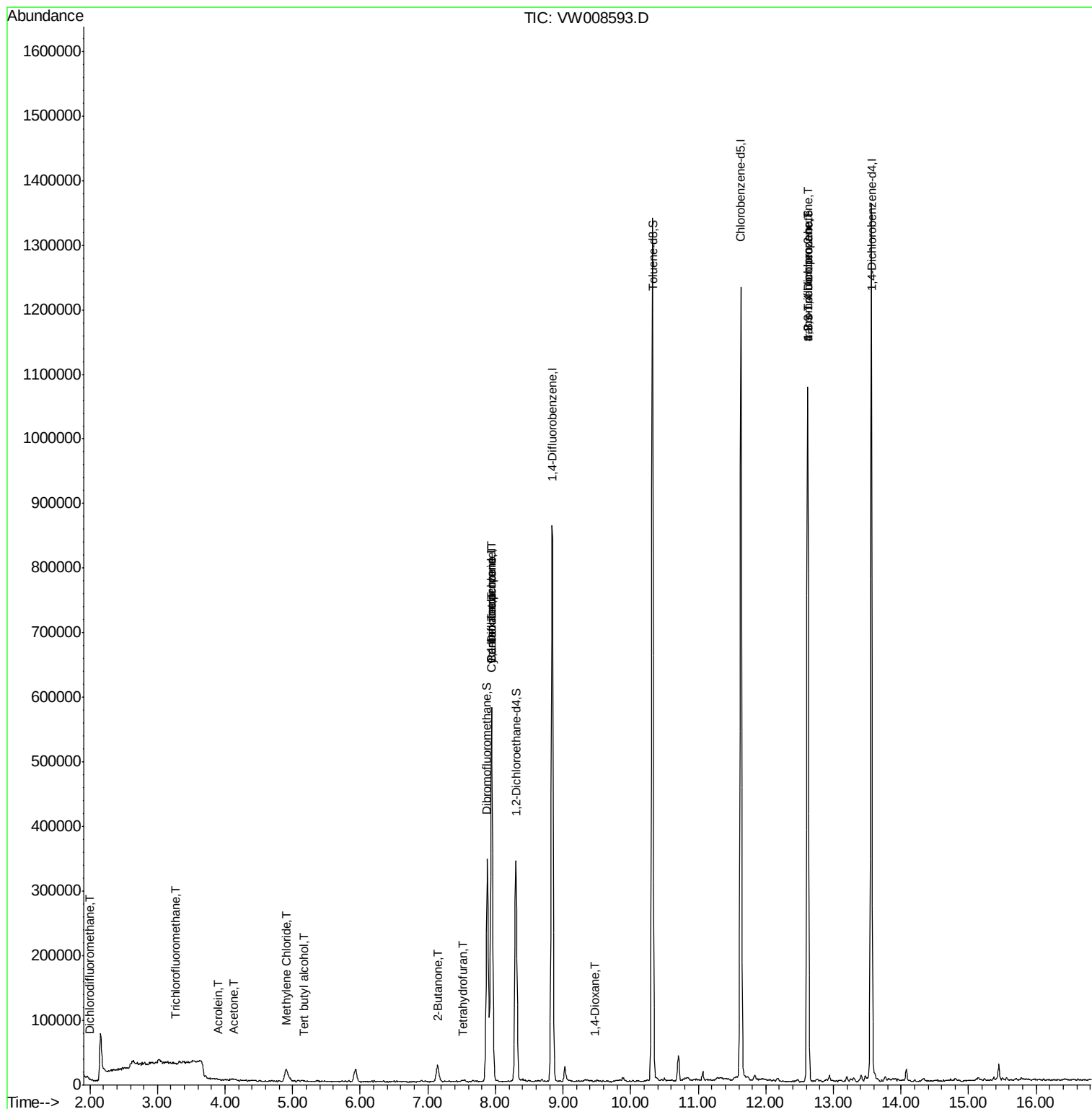
						Qvalue
2) Dichlorodifluoromethane	2.01	85	511	3.440	ug/l	83
7) Trichlorofluoromethane	3.26	101	89	4.745	ug/l #	17
11) Tert butyl alcohol	5.17	59	1176	3.371	ug/l #	48
13) Acrolein	3.90	56	107	4.527	ug/l #	1
16) Acetone	4.12	43	6361	6.536	ug/l #	78
20) Methylene Chloride	4.91	84	15873	3.539	ug/l	95
25) 2-Butanone	7.15	43	1367	1.011	ug/l #	66
29) Tetrahydrofuran	7.52	42	1180	1.378	ug/l #	65
31) Cyclohexane	7.93	56	10069	1.184	ug/l #	44
36) 1,1-Dichloropropene	7.94	75	33257	4.890	ug/l #	51
38) Carbon Tetrachloride	7.95	117	43138	6.304	ug/l #	17
49) 1,4-Dioxane	9.47	88	102	2.494	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	173007	58.195	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	173007	114.940	ug/l #	12

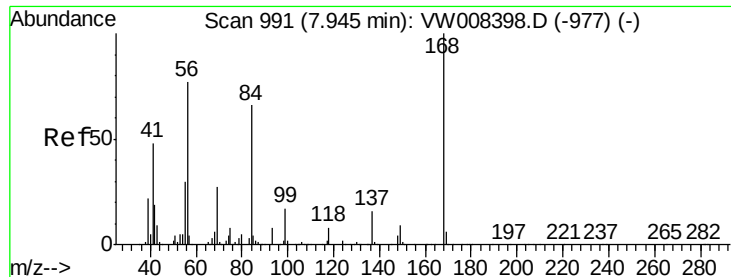
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008593.D

Acq: 11 Feb 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

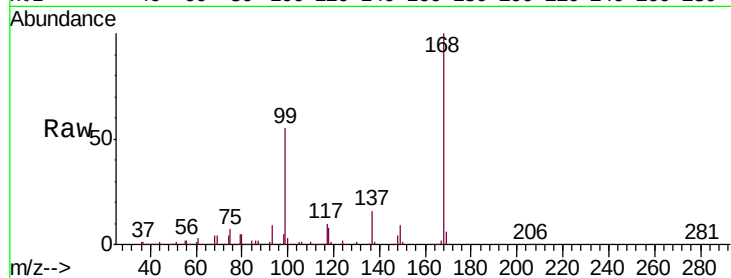
A0C12-SS4-10.0-10.5RE

Tgt Ion:168 Resp: 441125

Ion Ratio Lower Upper

168 100

99 55.0 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

200000

150000

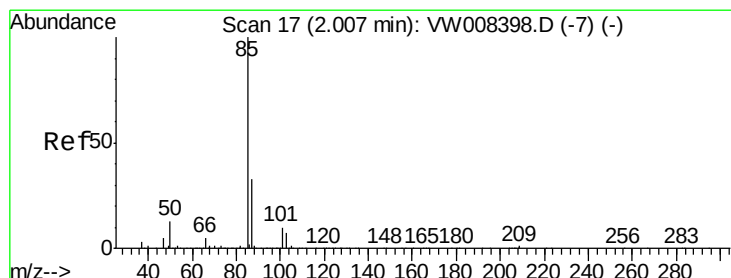
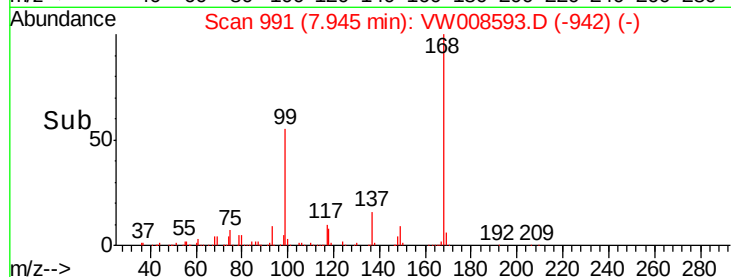
100000

50000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 3.440 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008593.D

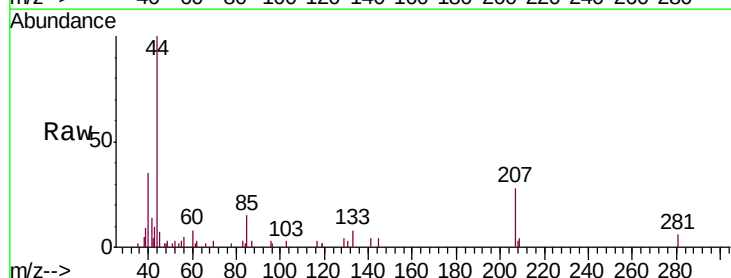
Acq: 11 Feb 2019 13:21

Tgt Ion: 85 Resp: 511

Ion Ratio Lower Upper

85 100

87 23.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

400

300

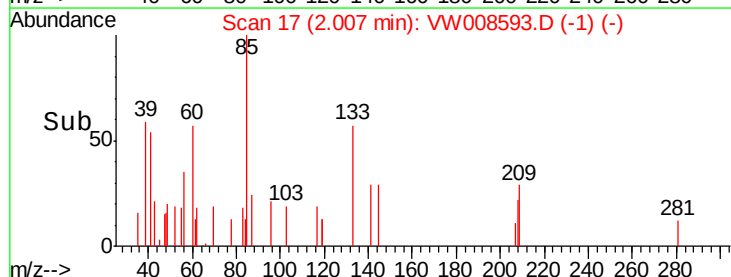
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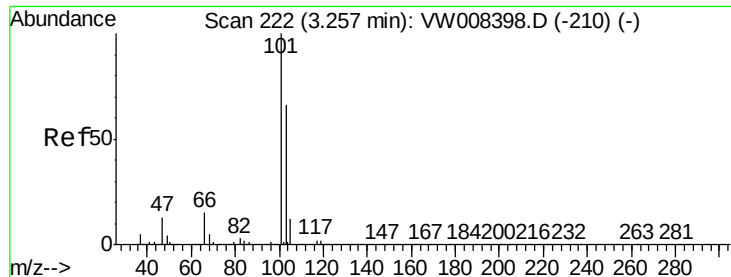
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0

Time-->

1.96 1.98 2.00 2.02



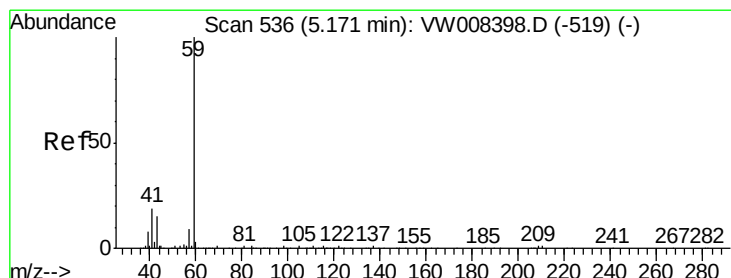
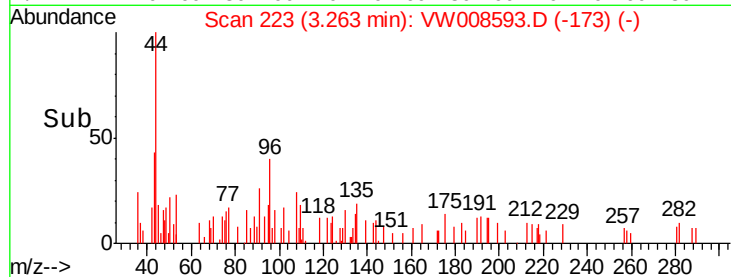
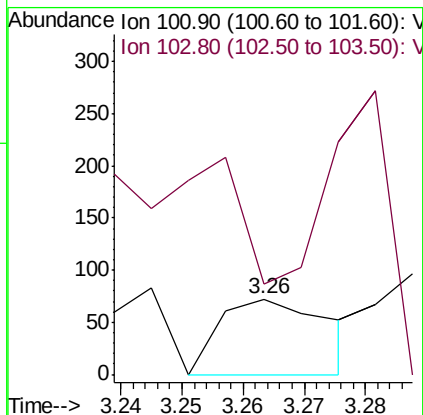
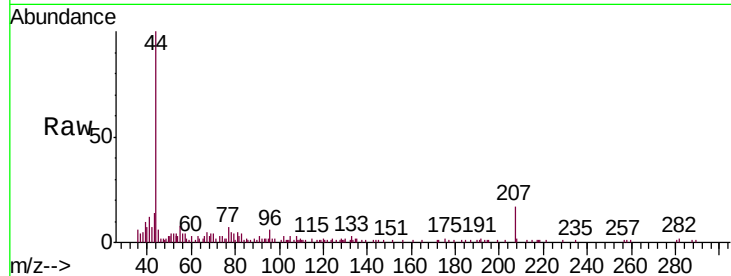


#7

Trichlorofluoromethane
 Concen: 4.745 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-SS4-10.0-10.5RE

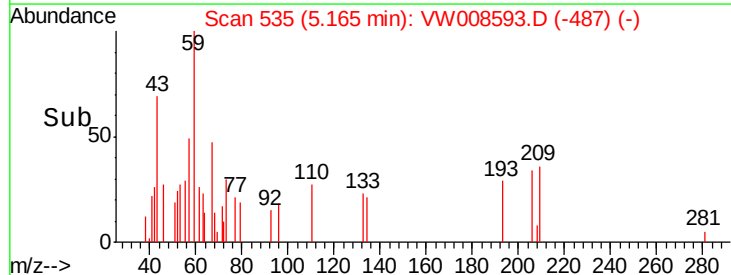
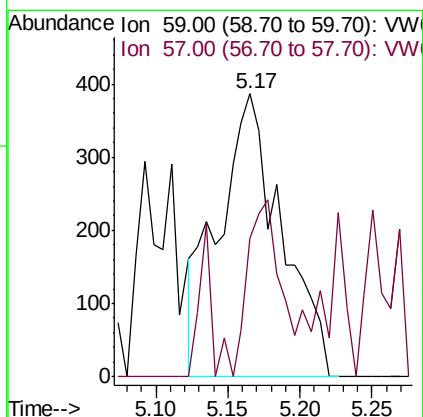
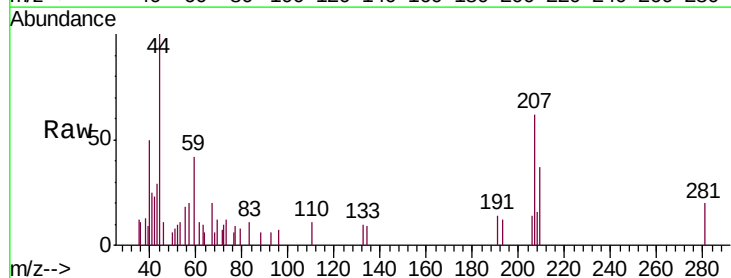
Tgt Ion: 101 Resp: 89
 Ion Ratio Lower Upper
 101 100
 103 0.0 52.5 78.7#

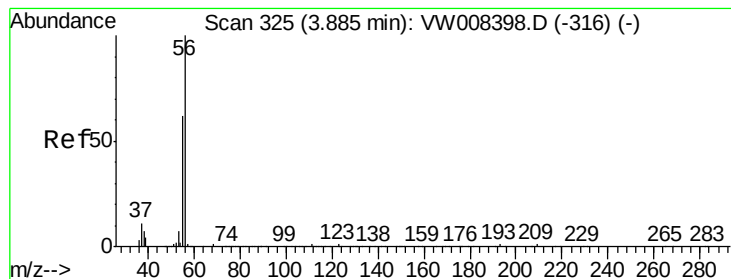


#11

Tert butyl alcohol
 Concen: 3.371 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

Tgt Ion: 59 Resp: 1176
 Ion Ratio Lower Upper
 59 100
 57 31.6 9.3 13.9#





#13

Acrolein

Concen: 4.527 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008593.D

Acq: 11 Feb 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

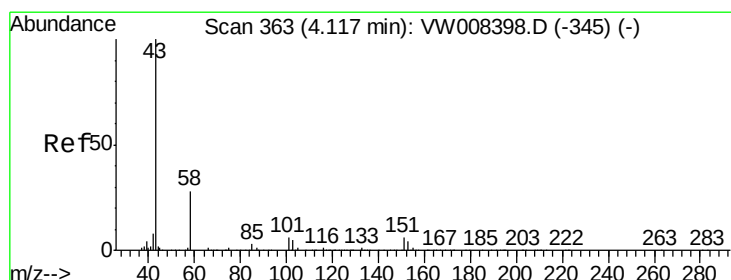
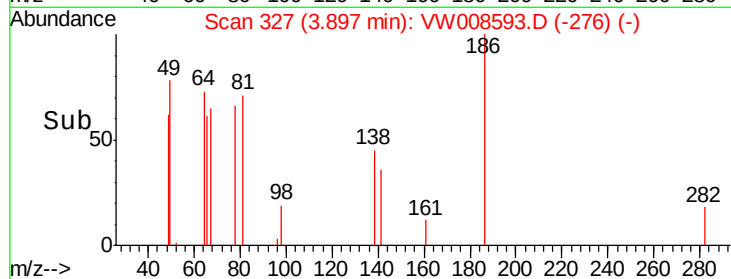
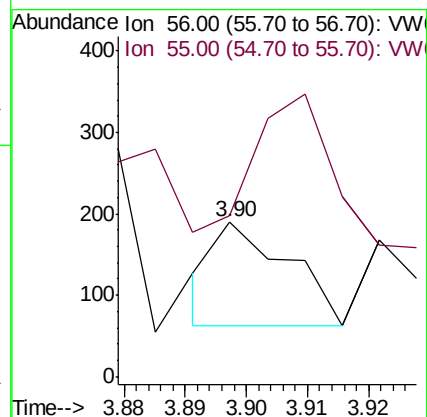
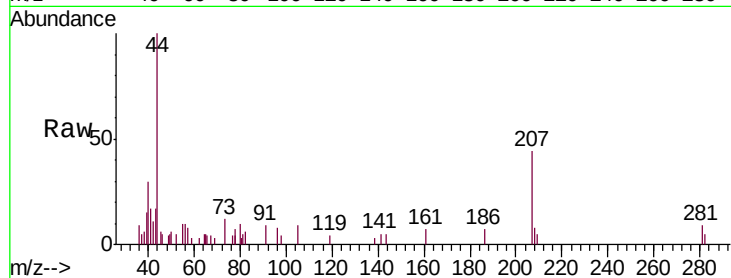
A0C12-SS4-10.0-10.5RE

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 155.1 56.7 85.1#



#16

Acetone

Concen: 6.536 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008593.D

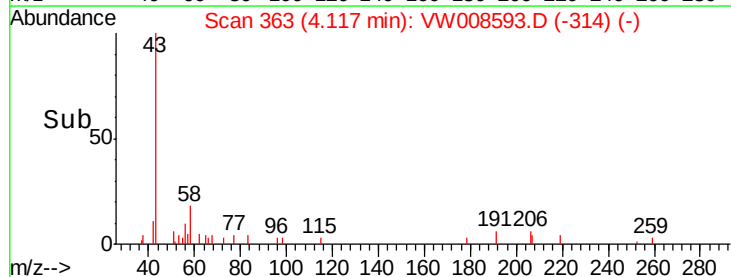
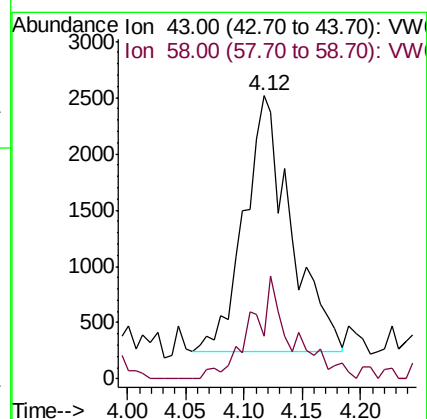
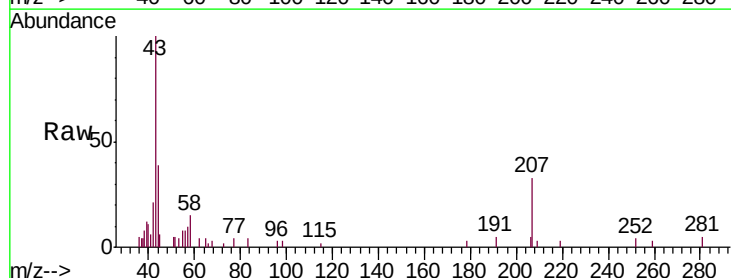
Acq: 11 Feb 2019 13:21

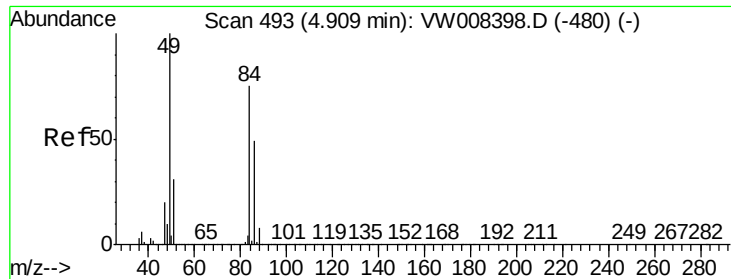
Tgt Ion: 43 Resp: 6361

Ion Ratio Lower Upper

43 100

58 16.6 22.6 34.0#

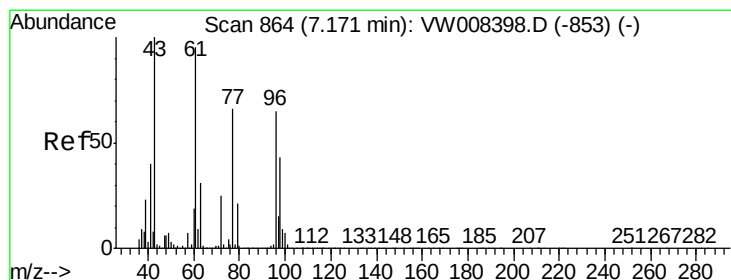
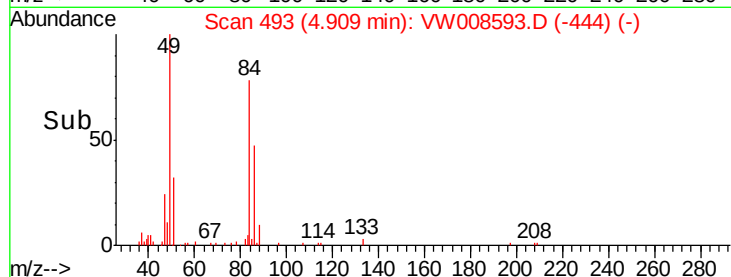
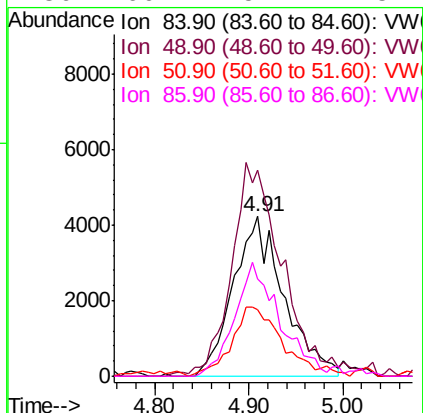
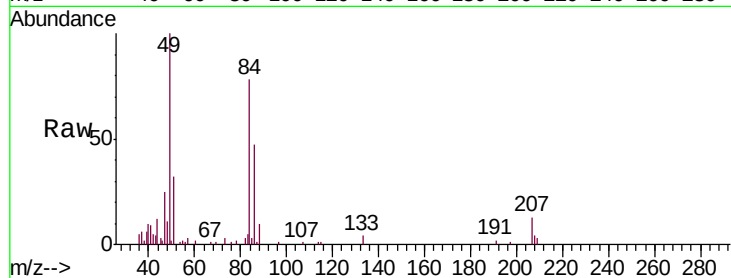




#20
Methylene Chloride
Concen: 3.539 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

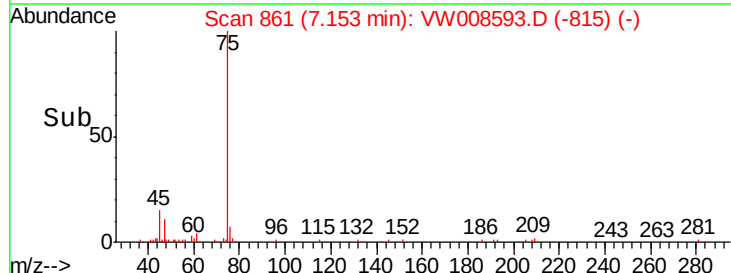
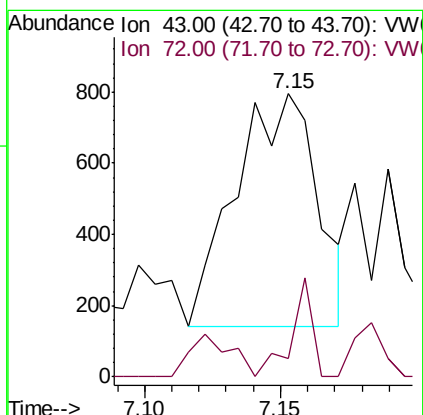
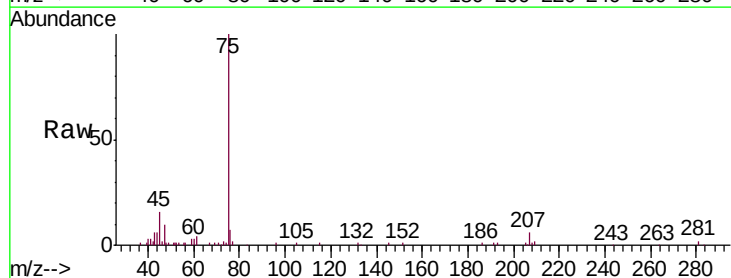
Instrument :
MSVOA_W
ClientSampleId :
A0C12-SS4-10.0-10.5RE

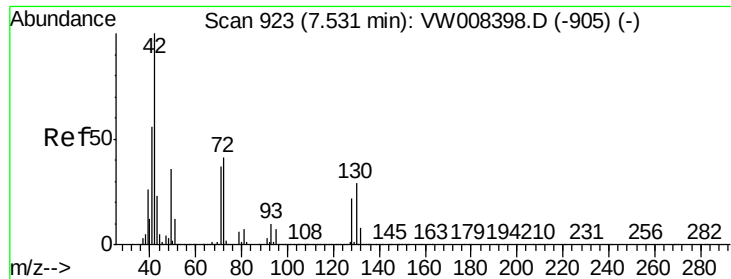
Tgt Ion:	84	Resp:	15873
Ion	Ratio	Lower	Upper
84	100		
49	126.7	106.8	160.2
51	41.7	32.9	49.3
86	60.7	52.2	78.2



#25
2-Butanone
Concen: 1.011 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

Tgt Ion:	43	Resp:	1367
Ion	Ratio	Lower	Upper
43	100		
72	8.0	20.1	30.1#

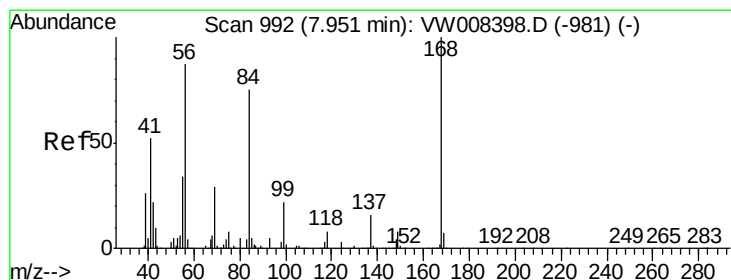
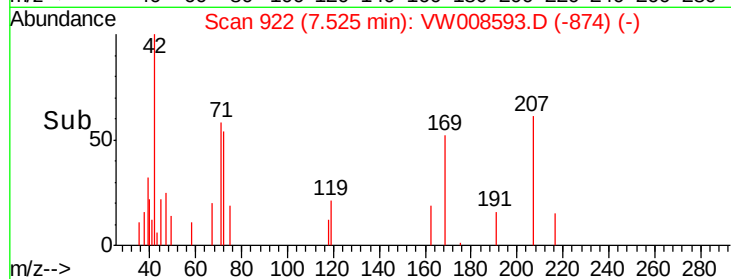
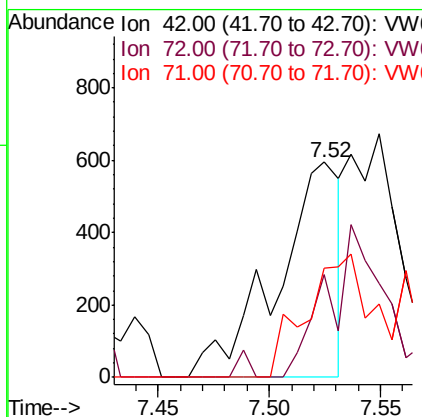
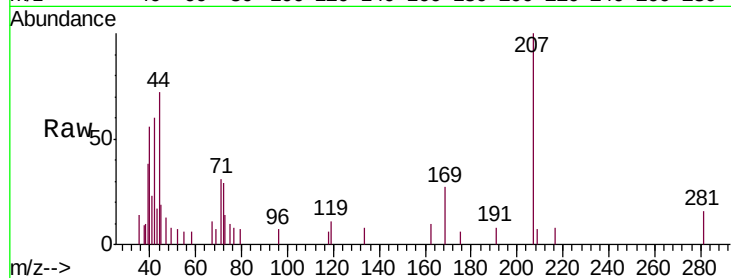




#29
Tetrahydrofuran
Concen: 1.378 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

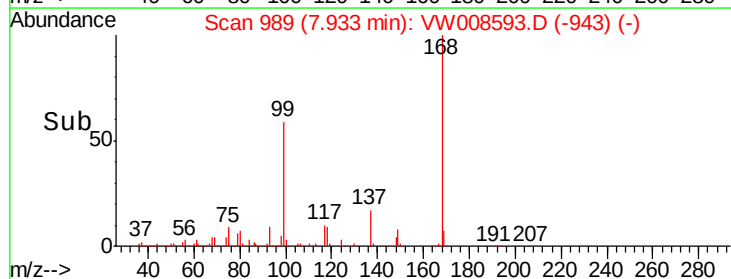
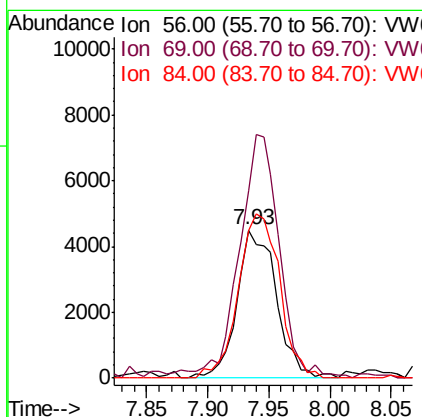
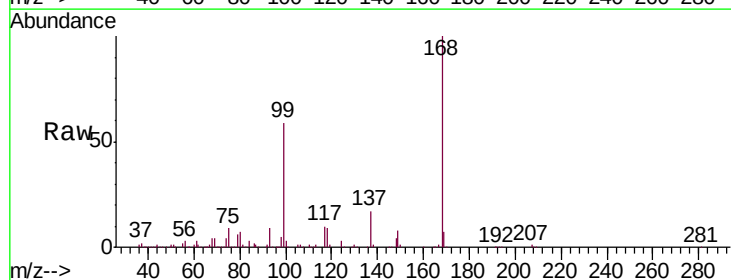
Instrument :
MSVOA_W
ClientSampleId :
A0C12-SS4-10.0-10.5RE

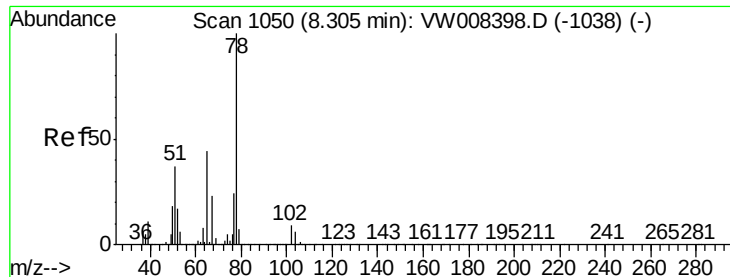
Tgt Ion: 42 Resp: 1180
Ion Ratio Lower Upper
42 100
72 61.6 31.9 47.9#
71 58.8 29.9 44.9#



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

Tgt Ion: 56 Resp: 10069
Ion Ratio Lower Upper
56 100
69 125.0 26.4 39.6#
84 99.8 69.1 103.7

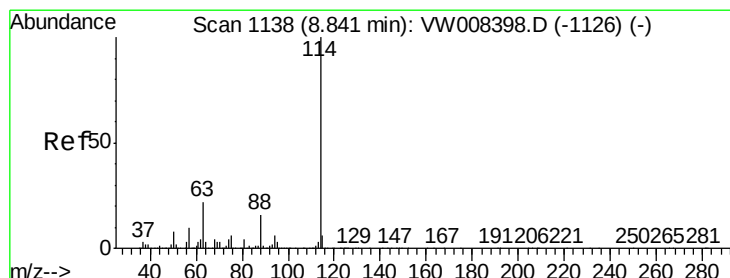
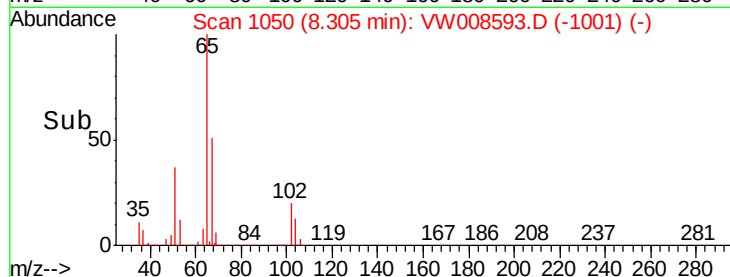
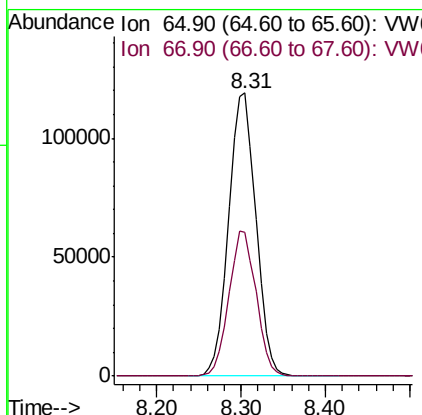
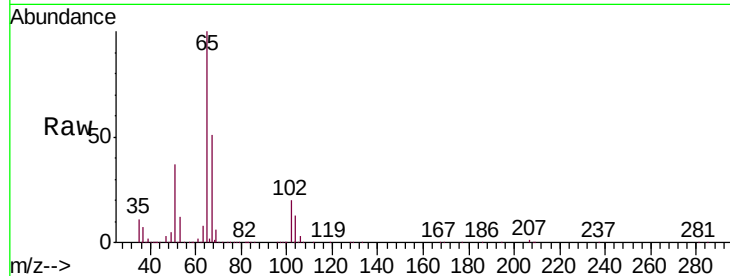




#33
 1,2-Dichloroethane-d4
 Concen: 60.452 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

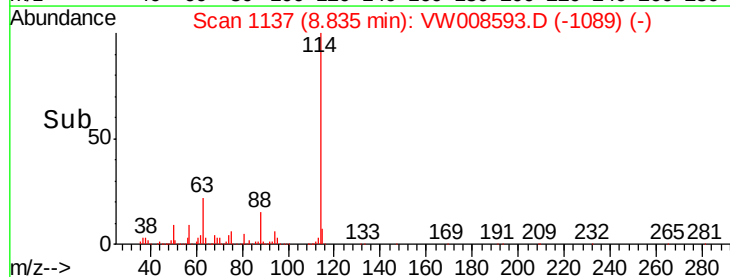
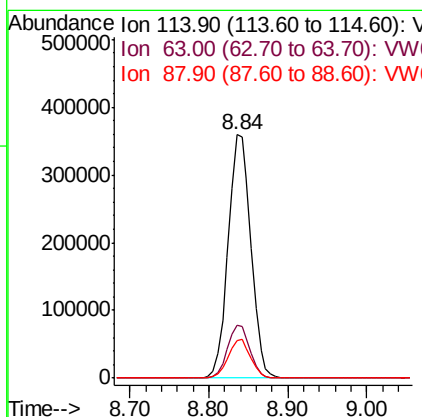
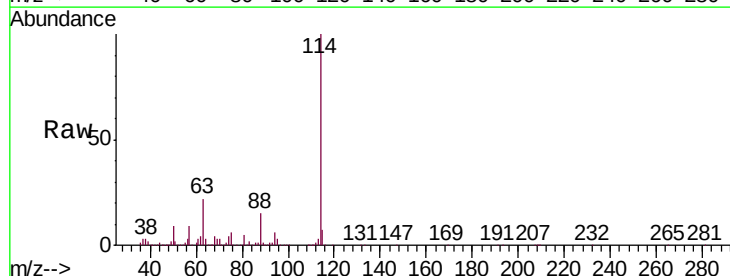
Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-SS4-10.0-10.5RE

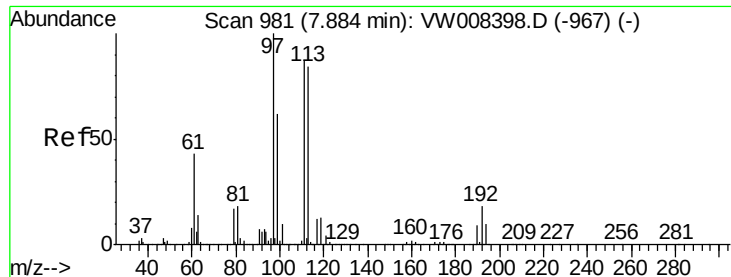
Tgt Ion: 65 Resp: 261977
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

Tgt Ion: 114 Resp: 719908
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.6
 88 15.4 0.0 31.8

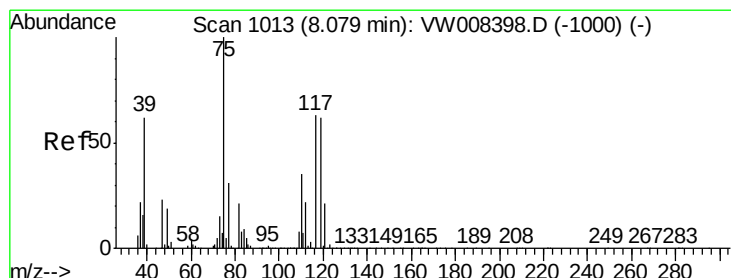
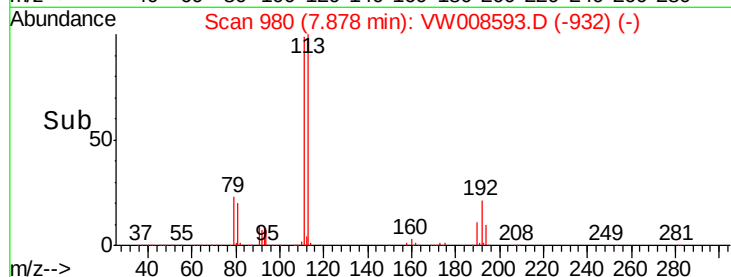
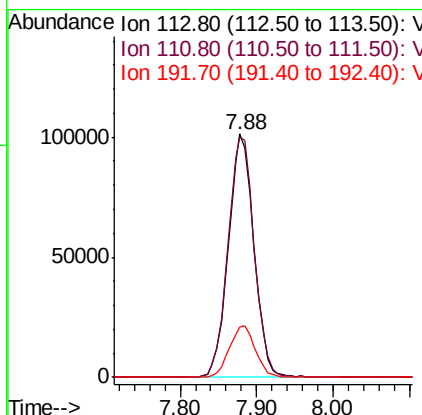
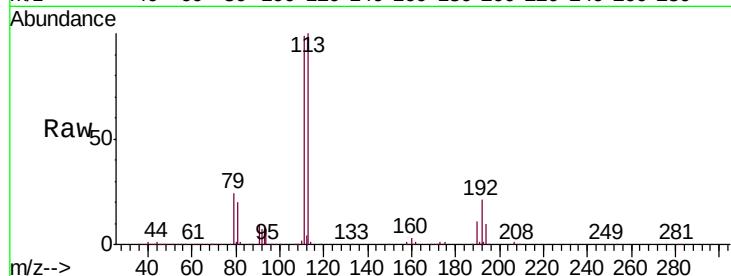




#35
 Dibromofluoromethane
 Concen: 55.280 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

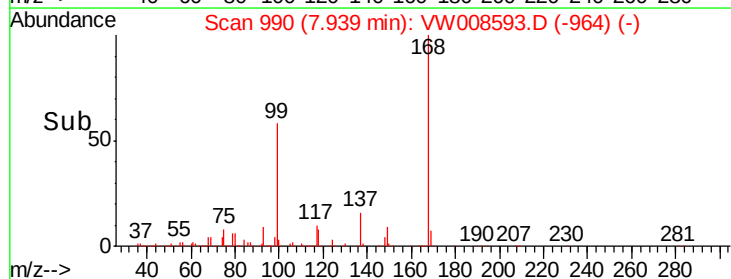
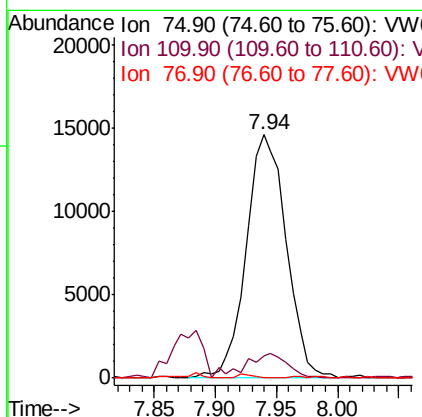
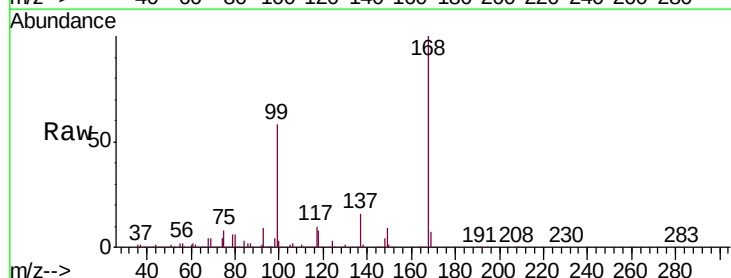
Instrument :
 MSVOA_W
 ClientSampleId :
 A0C12-SS4-10.0-10.5RE

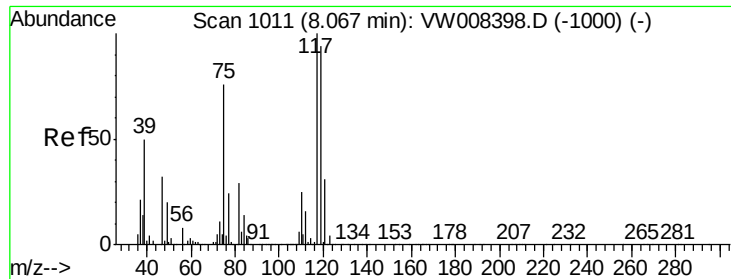
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.0	121.4
192	21.5	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008593.D
 Acq: 11 Feb 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.3	52.0#
77	0.0	24.7	37.1#

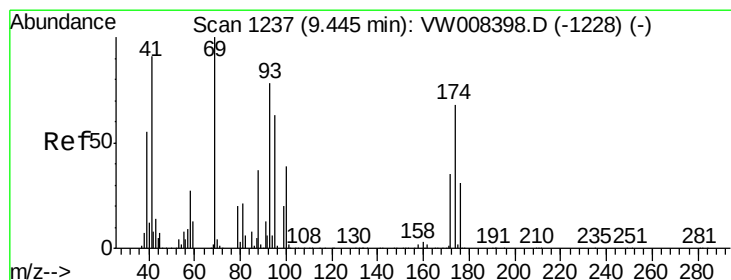
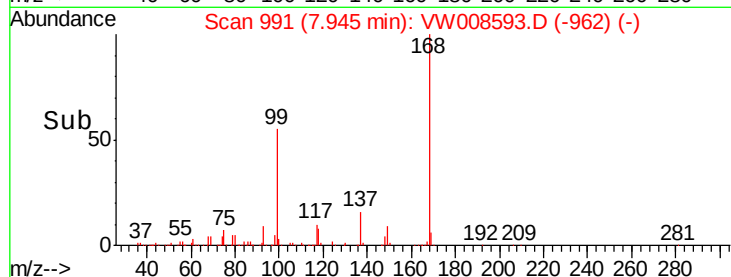
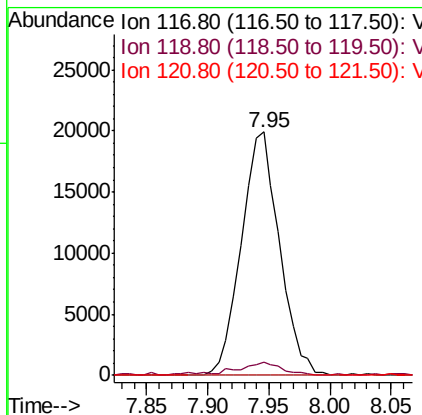
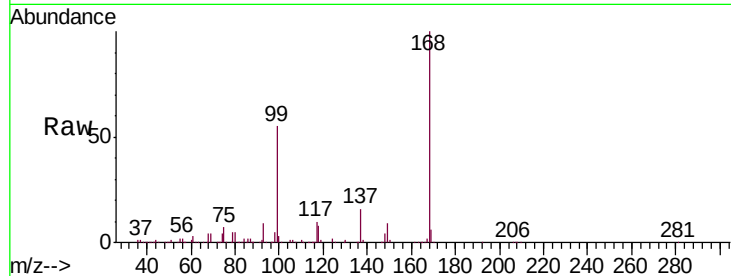




#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

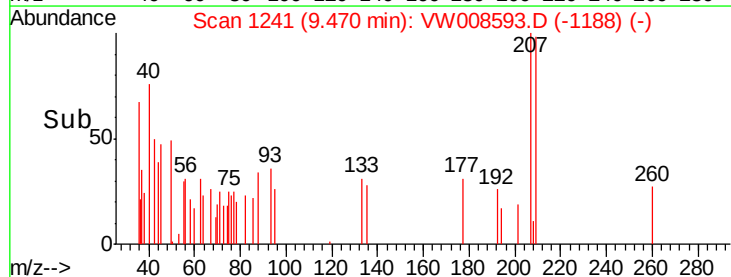
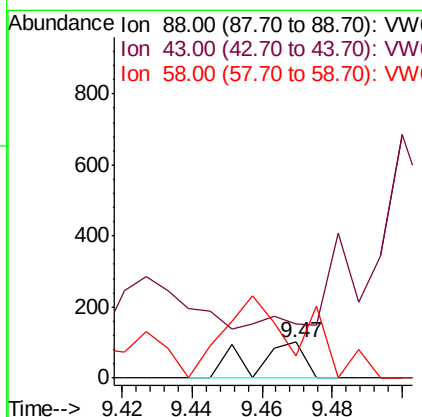
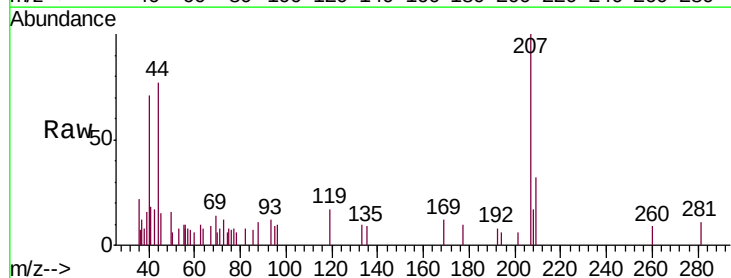
Instrument :
MSVOA_W
ClientSampleId :
A0C12-SS4-10.0-10.5RE

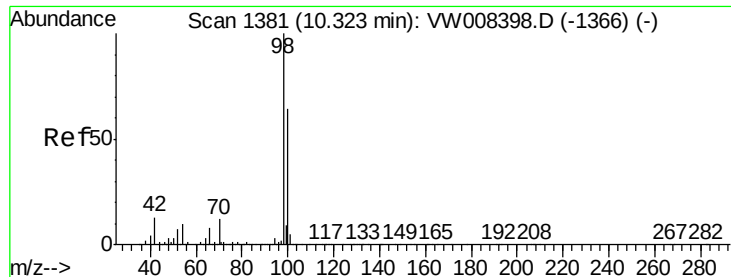
Tgt Ion: 117 Resp: 43138
Ion Ratio Lower Upper
117 100
119 5.0 75.0 112.4#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 2.494 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 352.9 56.4 84.6#





#50

Toluene-d8

Concen: 50.981 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008593.D

Acq: 11 Feb 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

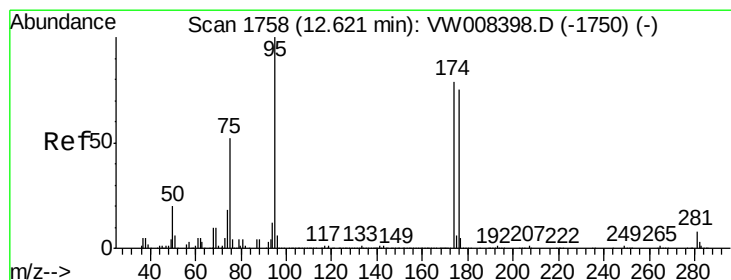
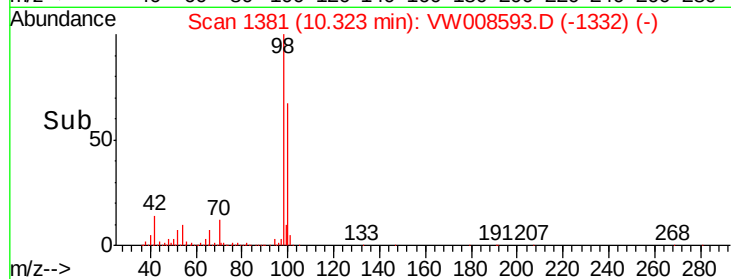
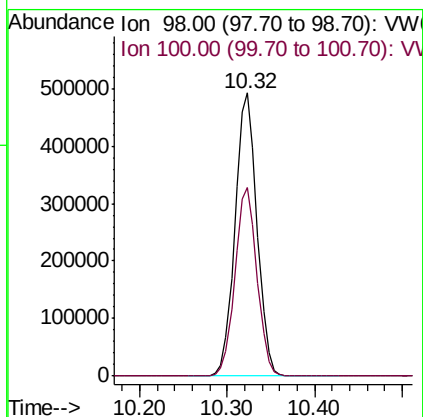
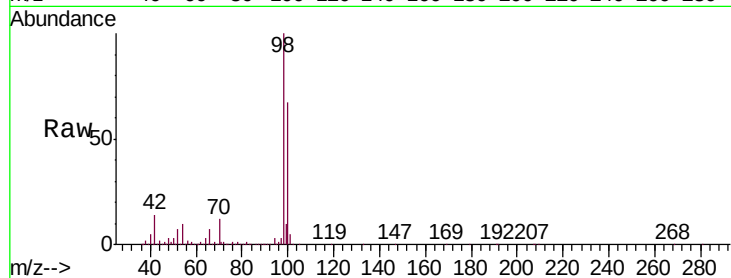
A0C12-SS4-10.0-10.5RE

Tgt Ion: 98 Resp: 860586

Ion Ratio Lower Upper

98 100

100 66.6 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 51.277 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008593.D

Acq: 11 Feb 2019 13:21

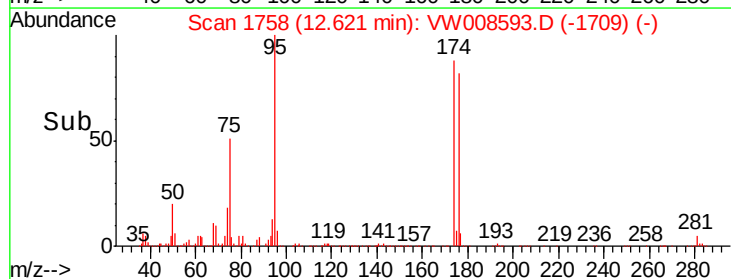
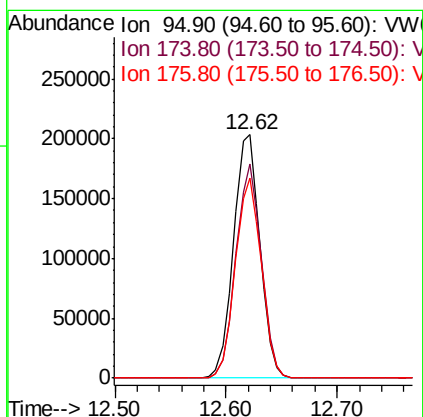
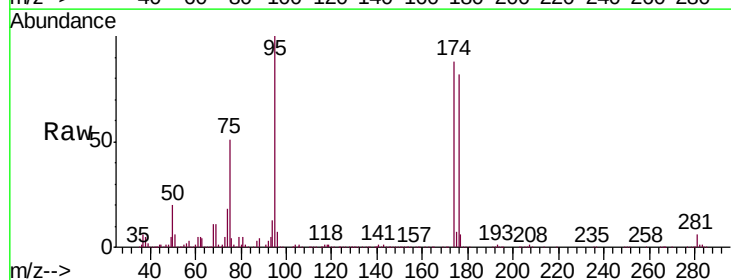
Tgt Ion: 95 Resp: 332717

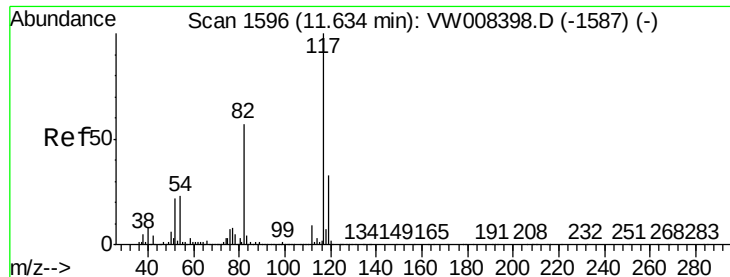
Ion Ratio Lower Upper

95 100

174 85.0 0.0 157.6

176 81.5 0.0 151.8

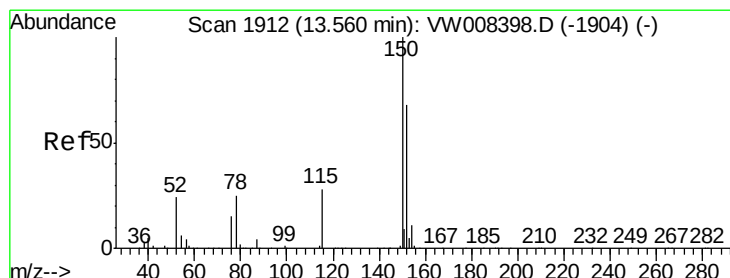
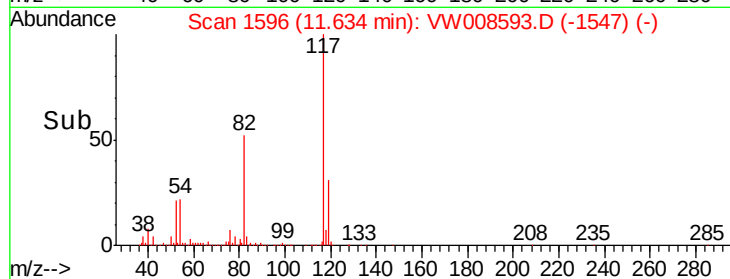
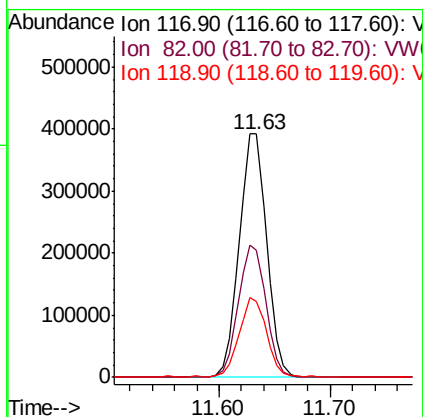
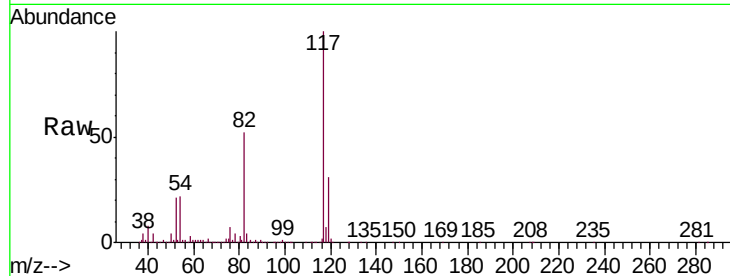




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

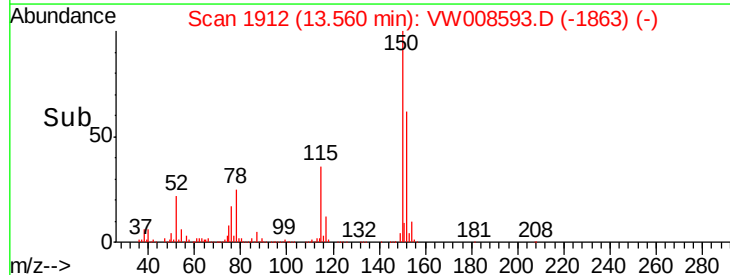
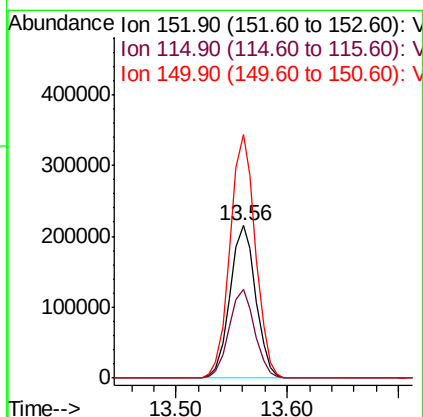
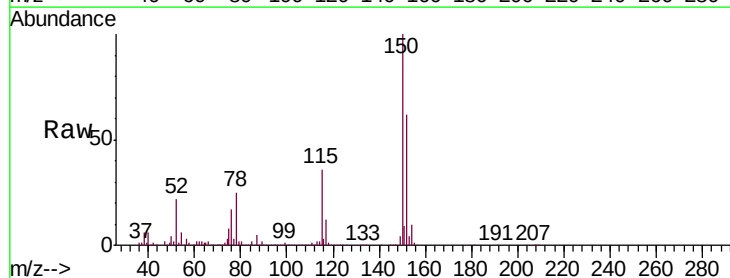
Instrument :
MSVOA_W
ClientSampleId :
A0C12-SS4-10.0-10.5RE

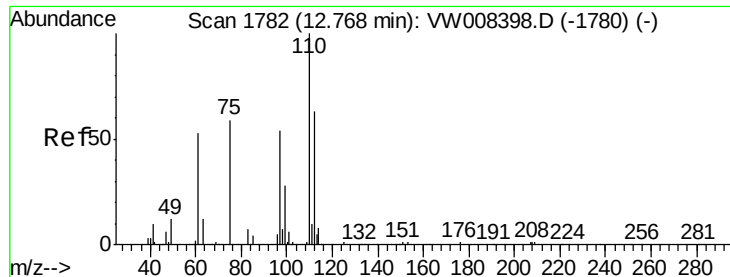
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.4	68.0
119	30.8	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008593.D
Acq: 11 Feb 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.9	89.7
150	158.3	0.0	351.4





#76

1,2,3-Trichloropropane

Concen: 58.195 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008593.D

Acq: 11 Feb 2019 13:21

Instrument :

MSVOA_W

ClientSampleId :

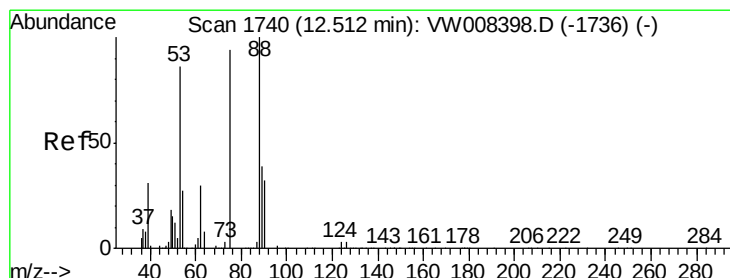
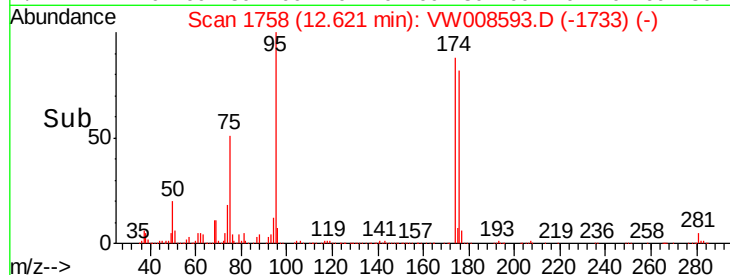
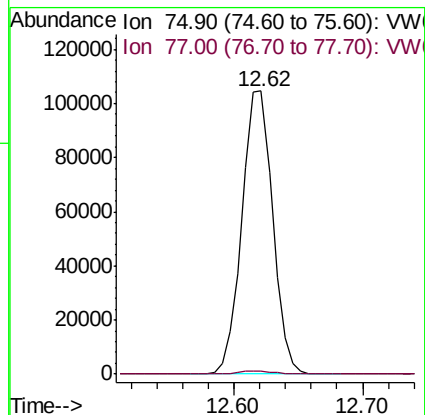
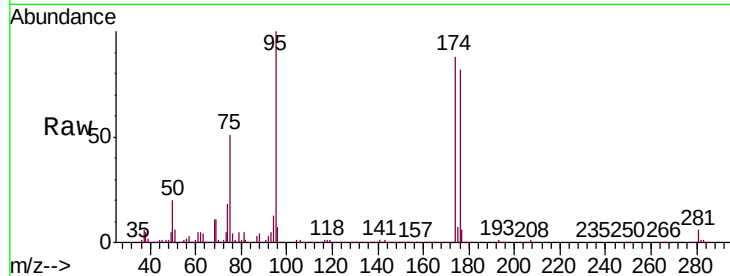
A0C12-SS4-10.0-10.5RE

Tgt Ion: 75 Resp: 173007

Ion Ratio Lower Upper

75 100

77 1.4 180.7 542.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.940 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008593.D

Acq: 11 Feb 2019 13:21

Tgt Ion: 75 Resp: 173007

Ion Ratio Lower Upper

75 100

53 0.2 76.0 114.0#

89 0.0 35.4 53.0#

